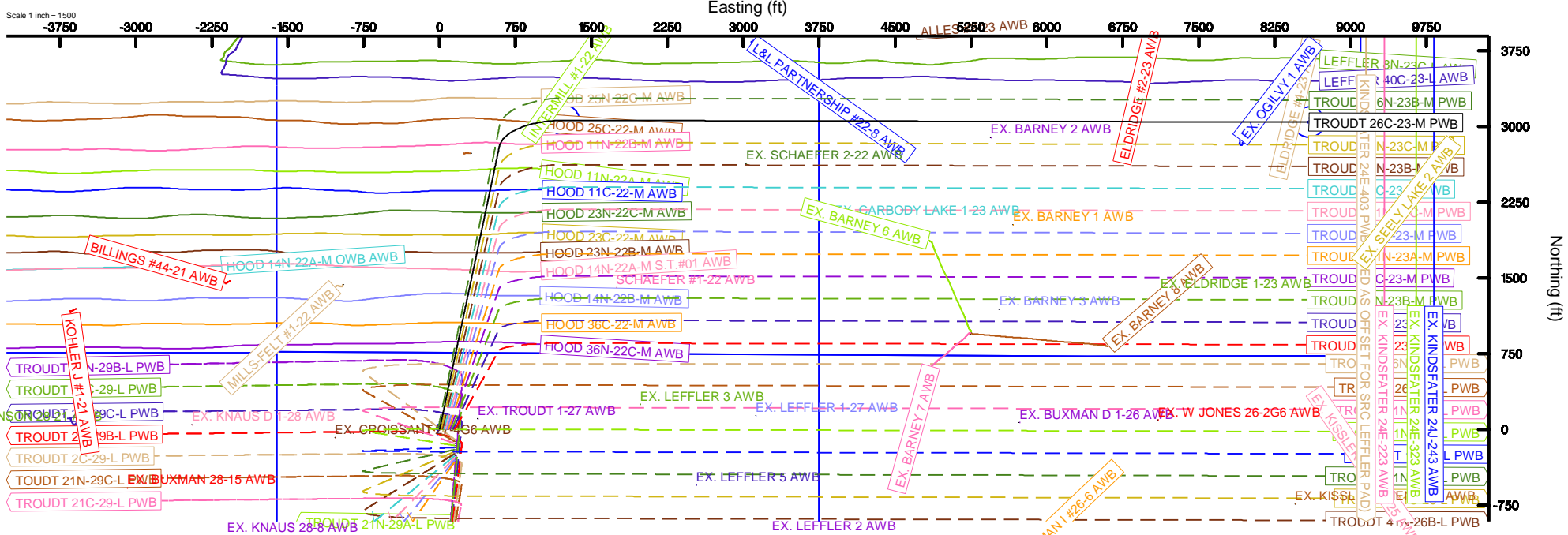
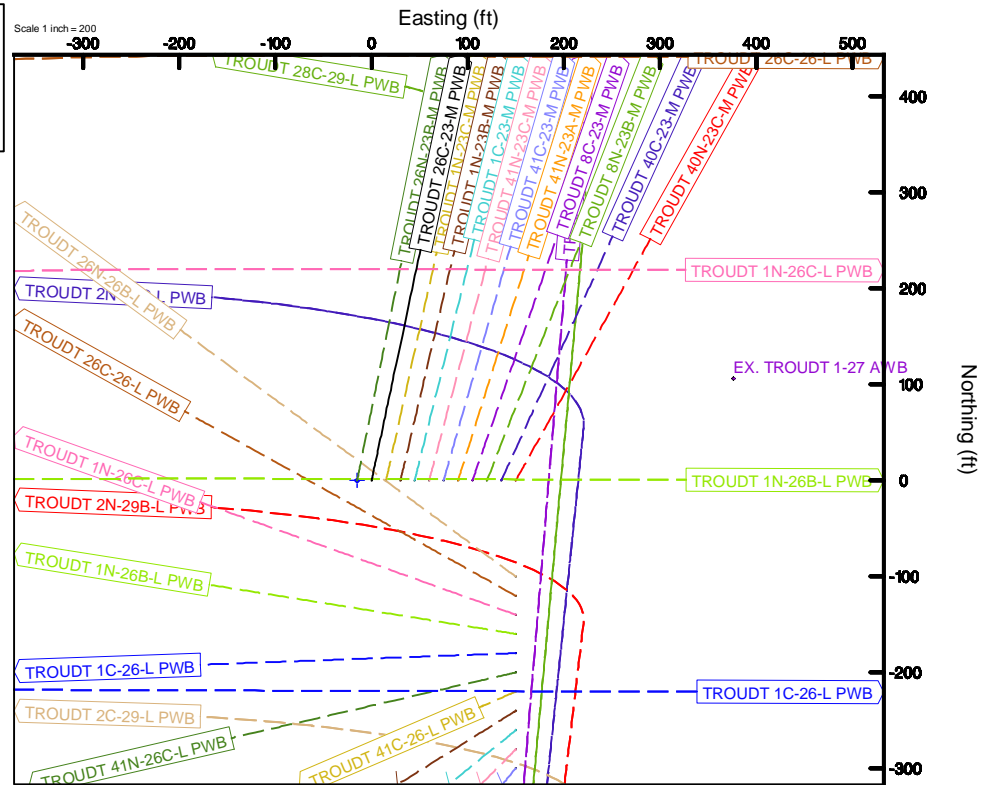


# SRC ENERGY

Location: COLORADO Slot: SLOT#02 TROUDT 26C-23-M (761'FNL & 1609'FWL, SEC.27)  
Field: WELD COUNTY (NAD83, TRUE NORTH) Well: TROUDT 26C-23-M  
Facility: SEC.27-T06N-R66W Wellbore: TROUDT 26C-23-M PWB





# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 1 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Doddanna
Scale	0.999964	Report Generated	9/18/2017 at 1:12:41 PM
Convergence at slot	0.47° East	Database/Source file	WellArchitectDB/TROUDT_41C-23-M_PWP_REV-A.0_CR.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	89.88	3203863.61	1412933.45	40°27'52.531"N	104°46'02.334"W
Facility Reference Pt			3203773.74	1412932.71	40°27'52.531"N	104°46'03.497"W
Field Reference Pt			3171284.48	1426358.81	40°30'07.643"N	104°53'02.634"W

WELLPATH DATUM			
Calculation method	Minimum Curvature	PD 562 (25') (RKB) to Facility Vertical Datum	4744.00ft
Horizontal Reference Pt	Slot	PD 562 (25') (RKB) to Mean Sea Level	4744.00ft
Vertical Reference Pt	PD 562 (25') (RKB)	PD 562 (25') (RKB) to Mud Line at Slot (SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27))	4744.00ft
MD Reference Pt	PD 562 (25') (RKB)		
Field Vertical Reference	Mean Sea Level		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS					
Ellipse Confidence Limit	3.00 Std Dev	Ellipse Start MD	25.00ft	Surface Position Uncertainty	included
Declination	8.37° East of TN	Dip Angle	66.90°	Mag Field Strength	52426 nT
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical	3.000ft
Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes					



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 2 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### ANTI-COLLISION RULE

Rule Name	Baker Hughes Stop Drilling (offset is HSE risk)	Rule Based On	Ratio
Plane of Rule	Closest Approach	Threshold Value	1.00
Include Casing & Hole Size	yes	Apply Cone of Safety	no

### HOLE & CASING SECTIONS - Ref Wellbore: TROUDT 41C-23-M PWB Ref Wellpath: TROUDT 41C-23-M PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1705.77	0.00	0.00	320.98	91.65
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1705.77	0.00	0.00	320.98	91.65
8.5in Open Hole	1750.00	15192.09	13442.09	1705.77	7135.00	320.98	91.65	1941.45	8501.99

### SURVEY PROGRAM - Ref Wellbore: TROUDT 41C-23-M PWB Ref Wellpath: TROUDT 41C-23-M PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41C-23-M PWB
1750.00	15192.09	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41C-23-M PWB



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 3 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF		
From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.23-T06N-R66W	SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL)	EX. BARNEY 1	EX. BARNEY 1 AWB	EX. BARNEY 1 AWP	12280.59	77.53	12280.59	12282.08	0.14	12282.08	FAIL
SEC.20-T06N-R66W	SLOT#07 HOOD 23C-22-M (585'FSL & 1122'FEL SEC.20)	HOOD 23C-22-M	HOOD 23C-22-M AWB	HOOD 23C-22-M AWP	7636.25	32.82	7636.25	7639.26	0.19	7639.26	FAIL
SEC.23-T06N-R66W	SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL)	EX. CARBODY LAKE 1-23	EX. CARBODY LAKE 1-23 AWB	EX. CARBODY LAKE 1-23 AWP	10516.77	136.54	10516.77	10520.55	0.28	10520.55	FAIL
SEC.23-T06N-R66W	SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD)	EX. BARNEY 6	EX. BARNEY 6 AWB	EX. BARNEY 6 AWP	11446.66	82.15	11446.66	11444.48	0.35	11444.48	FAIL
SEC.20-T06N-R66W	SLOT#08 HOOD 23N-22B-M (565'FSL & 1122'FEL SEC.20)	HOOD 23N-22B-M	HOOD 23N-22B-M AWB	HOOD 23N-22B-M AWP	7274.85	150.95	7274.85	7302.65	0.36	7302.65	FAIL
SEC.27-T06N-R66W	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)	TROUDT 41N-23C-M	TROUDT 41N-23C-M PWB	TROUDT 41N-23C-M PWP (REV-A.0)	25.00	15.03	15192.09	15192.09	0.37	15192.09	FAIL
SEC.20-T06N-R66W	SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20)	HOOD 23N-22C-M	HOOD 23N-22C-M AWB	HOOD 23N-22C-M AWP	7577.32	208.33	7577.32	7540.20	0.49	7540.20	FAIL
SEC.27-T06N-R66W	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)	TROUDT 8C-23-M	TROUDT 8C-23-M PWB	TROUDT 8C-23-M PWP (REV-A.0)	25.00	30.05	15192.09	15192.09	0.59	15192.09	FAIL
SEC.27-T06N-R66W	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)	TROUDT 1C-23-M	TROUDT 1C-23-M PWB	TROUDT 1C-23-M PWP (REV-A.0)	25.00	30.05	200.00	15192.09	0.60	15192.09	FAIL
SEC.27-T06N-R66W	SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27)	TROUDT 41N-23A-M	TROUDT 41N-23A-M PWB	TROUDT 41N-23A-M PWP (REV-A.0)	362.53	14.47	362.53	15192.09	0.87	15192.09	FAIL
SEC.23-T06N-R66W	SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL)	EX. ELDRIDGE 1-23	EX. ELDRIDGE 1-23 AWB	EX. ELDRIDGE 1-23 AWP	13740.72	581.13	13740.72	13750.21	0.93	13750.21	FAIL
SEC.20-T06N-R66W	SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20)	HOOD 11C-22-M	HOOD 11C-22-M AWB	HOOD 11C-22-M AWP	7663.55	420.61	7663.55	7679.03	0.95	7679.03	FAIL
SEC.27-T06N-R66W	SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27)	TROUDT 1N-23B-M	TROUDT 1N-23B-M PWB	TROUDT 1N-23B-M PWP (REV-A.0)	25.00	44.80	10425.00	15192.09	0.96	15192.09	FAIL
SEC.27-T06N-R66W	SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27)	TROUDT 8N-23B-M	TROUDT 8N-23B-M PWB	TROUDT 8N-23B-M PWP (REV-A.0)	439.70	44.04	15192.09	15192.09	0.97	15192.09	FAIL
SEC.20-T06N-R66W	SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20)	HOOD 14N-22A-M	HOOD 14N-22A-M S.T.#01 AWB	HOOD 14N-22A-M S.T.#01 AWP	7121.76	308.49	7121.76	7172.22	0.98	7172.22	FAIL
SEC.27-T06N-R66W	SLOT#11 TROUDT 40C-23-M (760'FNL & 1745'FWL, SEC.27)	TROUDT 40C-23-M	TROUDT 40C-23-M PWB	TROUDT 40C-23-M PWP (REV-A.0)	25.00	60.10	200.00	15192.09	1.20	15192.09	PASS
SEC.27-T06N-R66W	SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27)	TROUDT 1N-23C-M	TROUDT 1N-23C-M PWB	TROUDT 1N-23C-M PWP (REV-A.0)	25.00	59.82	14025.00	15192.09	1.21	15192.09	PASS
SEC.20-T06N-R66W	SLOT#10 HOOD 14N-22B-M (525'FSL & 1122'FEL SEC.20)	HOOD 14N-22B-M	HOOD 14N-22B-M AWB	HOOD 14N-22B-M AWP	7125.00	555.65	7125.00	7225.00	1.35	7225.00	PASS
SEC.23-T06N-R66W	SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL)	EX. BARNEY 3	EX. BARNEY 3 AWB	EX. BARNEY 3 AWP	12146.25	760.80	12146.25	12169.45	1.38	12169.45	PASS
SEC.27-T06N-R66W	SLOT#02 TROUDT 26C-23-M (761'FNL & 1609'FWL, SEC.27)	TROUDT 26C-23-M	TROUDT 26C-23-M PWB	TROUDT 26C-23-M PWP (REV-A.0)	25.00	74.85	1525.00	15192.09	1.49	15192.09	PASS
SEC.27-T06N-R66W	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)	TROUDT 40N-23C-M	TROUDT 40N-23C-M PWB	TROUDT 40N-23C-M PWP (REV-A.0)	399.28	74.23	15192.09	15192.09	1.52	15192.09	PASS
SEC.22-T06N-R66W	SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD)	EX. SCHAEFER 2-22	EX. SCHAEFER 2-22 AWB	EX. SCHAEFER 2-22 AWP	9641.09	680.51	9641.09	9692.03	1.54	9692.03	PASS
SEC.20-T06N-R66W	SLOT#04 HOOD 11N-22A-M (705'FSL & 1122'FEL SEC.20)	HOOD 11N-22A-M	HOOD 11N-22A-M AWB	HOOD 11N-22A-M AWP	7607.77	657.40	7607.77	7597.81	1.55	7597.81	PASS
SEC.27-T06N-R66W	SLOT#13 TROUDT 26N-26B-L (860'FNL & 1760'FWL, SEC.27)	TROUDT 26N-26B-L	TROUDT 26N-26B-L PWB	TROUDT 26N-26B-L PWP (REV-A.0)	651.02	118.08	15192.09	15192.09	1.65	15192.09	PASS
SEC.23-T06N-R66W	SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL)	EX. BARNEY 2	EX. BARNEY 2 AWB	EX. BARNEY 2 AWP	12056.41	942.53	12056.41	12125.00	1.72	12125.00	PASS



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 4 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF		
From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.21-T06N-R66W	SLOT#12 LEFFLER 40C-23-L (2021'FNL & 275'FEL SEC.21)	LEFFLER 40C-23-L	LEFFLER 40C-23-L AWB	LEFFLER 40C-23-L AWP	13603.75	1481.58	15025.00	15192.09	1.75	15192.09	PASS
SEC.27-T06N-R66W	SLOT#01 TROUDT 26N-23B-M (761'FNL & 1594'FWL, SEC.27)	TROUDT 26N-23B-M	TROUDT 26N-23B-M PWB	TROUDT 26N-23B-M PWP (REV-A.0)	25.00	89.88	200.00	15192.09	1.82	15192.09	PASS
SEC.27-T06N-R66W	SLOT#14 TROUDT 26C-26-L (880'FNL & 1760'FWL, SEC.27)	TROUDT 26C-26-L	TROUDT 26C-26-L PWB	TROUDT 26C-26-L PWP (REV-A.0)	25.00	141.77	7025.00	15192.09	1.90	15192.09	PASS
SEC.21-T06N-R66W	SLOT#11 LEFFLER 8N-23C-L (2001'FNL & 275'FEL SEC.21)	LEFFLER 8N-23C-L	LEFFLER 8N-23C-L AWB	LEFFLER 8N-23C-L AWP	11457.50	1661.63	15192.09	15192.09	2.01	15192.09	PASS
SEC.20-T06N-R66W	SLOT#03 HOOD 11N-22B-M (725'FSL & 1122'FEL SEC.20)	HOOD 11N-22B-M	HOOD 11N-22B-M AWB	HOOD 11N-22B-M AWP	7647.36	884.61	7647.36	7679.40	2.02	7679.40	PASS
SEC.20-T06N-R66W	SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20)	HOOD 36C-22-M	HOOD 36C-22-M AWB	HOOD 36C-22-M AWP	7285.00	876.52	7285.00	7678.05	2.04	7678.05	PASS
SEC.22-T06N-R66W	SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD)	SCHAEFER #1-22	SCHAEFER #1-22 AWB	SCHAEFER #1-22 AWP	8364.47	554.85	8364.47	8380.94	2.16	8380.94	PASS
SEC.27-T06N-R66W	SLOT#15 TROUDT 1N-26C-L (900'FNL & 1760'FWL, SEC.27)	TROUDT 1N-26C-L	TROUDT 1N-26C-L PWB	TROUDT 1N-26C-L PWP (REV-A.0)	359.50	158.67	15192.09	15192.09	2.19	15192.09	PASS
SEC.20-T06N-R66W	SLOT#02 HOOD 25C-22-M (745'FSL & 1122'FEL SEC.20)	HOOD 25C-22-M	HOOD 25C-22-M AWB	HOOD 25C-22-M AWP	7696.41	1081.21	7696.41	7679.19	2.44	7679.19	PASS
SEC.27-T06N-R66W	SLOT#16 TROUDT 1N-26B-L (920'FNL & 1760'FWL, SEC.27)	TROUDT 1N-26B-L	TROUDT 1N-26B-L PWB	TROUDT 1N-26B-L PWP (REV-A.0)	25.00	176.70	15192.09	15192.09	2.47	15192.09	PASS
SEC.23-T06N-R66W	SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD)	EX. OGILVY 1	EX. OGILVY 1 AWB	EX. OGILVY 1 AWP	14522.75	926.99	14522.75	14593.18	2.49	14593.18	PASS
SEC.20-T06N-R66W	SLOT#12 HOOD 36N-22C-M (485'FSL & 1122'FEL SEC.20)	HOOD 36N-22C-M	HOOD 36N-22C-M AWB	HOOD 36N-22C-M AWP	7050.00	1024.58	7050.00	7275.74	2.50	7275.74	PASS
SEC.27-T06N-R66W	SLOT#17 TROUDT 1C-26-L (920'FNL & 1760'FWL, SEC.27)	TROUDT 1C-26-L	TROUDT 1C-26-L PWB	TROUDT 1C-26-L PWP (REV-A.0)	25.00	195.02	15192.09	15192.09	2.73	15192.09	PASS
SEC.27-T06N-R66W	SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/CODL)	EX. TROUDT 1-27	EX. TROUDT 1-27 AWB	EX. TROUDT 1-27 AWP	1251.22	260.59	1251.22	1643.77	2.84	1643.77	PASS
SEC.26-T06N-R66W	SLOT#07 EX. W JONES 26-2G6 (659'FNL & 1991'FEL, SI/CODL)	EX. W JONES 26-2G6	EX. W JONES 26-2G6 AWB	EX. W JONES 26-2G6 AWP	13712.50	1851.23	13712.50	13862.93	2.97	13862.93	PASS
SEC.20-T06N-R66W	SLOT#01 HOOD 25N-22C-M (765'FSL & 1122'FEL SEC.20)	HOOD 25N-22C-M	HOOD 25N-22C-M AWB	HOOD 25N-22C-M AWP	7690.00	1327.04	7690.00	7679.25	2.99	7679.25	PASS
SEC.27-T06N-R66W	SLOT#18 TROUDT 41N-26C-L (960'FNL & 1760'FWL, SEC.27)	TROUDT 41N-26C-L	TROUDT 41N-26C-L PWB	TROUDT 41N-26C-L PWP (REV-A.0)	25.00	213.65	15192.09	15192.09	3.01	15192.09	PASS
SEC.27-T06N-R66W	SLOT#19 TROUDT 41C-26-L (980'FNL & 1760'FWL, SEC.27)	TROUDT 41C-26-L	TROUDT 41C-26-L PWB	TROUDT 41C-26-L PWP (REV-A.0)	25.00	232.52	12325.00	15192.09	3.28	15192.09	PASS
SEC.23-T06N-R66W	SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD)	EX. BARNEY 8	EX. BARNEY 8 AWB	EX. BARNEY 8 AWP	13225.00	1117.00	13225.00	13300.28	3.29	13300.28	PASS
SEC.26-T06N-R66W	SLOT#04 EX. BUXMAN D 1-26 (660'FNL & 1980'FWL, PR/CODL)	EX. BUXMAN D 1-26	EX. BUXMAN D 1-26 AWB	EX. BUXMAN D 1-26 AWP	12348.75	1880.07	12348.75	12525.00	3.35	12525.00	PASS
SEC.24-T06N-R66W	SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24)	KINDSFATER 24E-403	KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD)	KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)	15192.09	578.45	15192.09	15192.09	3.52	15192.09	PASS
SEC.27-T06N-R66W	SLOT#20 TROUDT 41N-26B-L (1000'FNL & 1760'FWL, SEC.27)	TROUDT 41N-26B-L	TROUDT 41N-26B-L PWB	TROUDT 41N-26B-L PWP (REV-A.0)	25.00	251.56	15192.09	15192.09	3.57	15192.09	PASS
SEC.27-T06N-R66W	SLOT#21 TROUDT 8N-26A-L (1020'FNL & 1760'FWL, SEC.27)	TROUDT 8N-26A-L	TROUDT 8N-26A-L PWB	TROUDT 8N-26A-L PWP (REV-A.0)	25.00	270.75	15192.09	15192.09	3.87	15192.09	PASS
			EX. KISSLER AMEN 1-26 AWB	EX. KISSLER AMEN 1-26 AWP	15075.00	2680.65	15075.00	15192.09	3.91	15192.09	PASS

**OFFSET WELL CLEARANCE SUMMARY** (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio				
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status	
SEC.26-T06N-R66W	SLOT#09 EX. KISSLER AMEN 1-26 (1425'FNL & 660'FEL, PR/NB-CD)	EX. KISSLER AMEN 1-26										
SEC.27-T06N-R66W	SLOT#01 EX. LEFFLER 1-27 (600'FNL & 600'FEL, PR/CODL)	EX. LEFFLER 1-27	EX. LEFFLER 1-27 AWB	EX. LEFFLER 1-27 AWP	9743.59	1820.24	9743.59	9963.96	4.08	9963.96	PASS	



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 5 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft
------------------	-------------------	------------------------

### OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.27-T06N-R66W	SLOT#22 TROUDT 8N-26B-L (1040'FNL & 1760'FWL, SEC.27)	TROUDT 8N-26B-L	TROUDT 8N-26B-L PWB	TROUDT 8N-26B-L PWP (REV-A.0)	25.00	290.06	15192.09	15192.09	4.12	15192.09	PASS
SEC.27-T06N-R66W	SLOT#04 EX. LEFFLER 3 (460'FNL & 1780'FEL, PR/CODL)	EX. LEFFLER 3	EX. LEFFLER 3 AWB	EX. LEFFLER 3 AWP	8600.00	1711.24	8600.00	8808.19	4.28	8808.19	PASS
SEC.27-T06N-R66W	SLOT#23 TROUDT 40C-26-L (1060'FNL & 1760'FWL, SEC.27)	TROUDT 40C-26-L	TROUDT 40C-26-L PWB	TROUDT 40C-26-L PWP (REV-A.0)	25.00	309.10	14525.00	15192.09	4.39	15192.09	PASS
SEC.24-T06N-R66W	SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX)	EX. KINDSFATER 24E-223	EX. KINDSFATER 24E-223 AWB	EX. KINDSFATER 24E-223 AWP	15192.09	774.37	15192.09	15192.09	4.66	15192.09	PASS
SEC.27-T06N-R66W	SLOT#24 TROUDT 40N-26C-L (1080'FNL & 1760'FWL, SEC.27)	TROUDT 40N-26C-L	TROUDT 40N-26C-L PWB	TROUDT 40N-26C-L PWP (REV-A.0)	25.00	328.57	200.00	15192.09	4.70	15192.09	PASS
SEC.23-T06N-R66W	SLOT#04 EX.ELDRIDGE #4-23 (1977'FNL & 477'FEL SEC.23,PR,7250'MD)	ELDRIDGE #4-23	ELDRIDGE #4-23 AWB	ELDRIDGE #4-23 AWP	15192.09	1928.78	15192.09	15192.09	4.82	15192.09	PASS
SEC.26-T06N-R66W	SLOT#08 EX. JONES WALTER 1-26 (1980'FNL & 1980'FEL, PR/CODL)	EX. JONES WALTER 1-26	EX. JONES WALTER 1-26 AWB	EX. JONES WALTER 1-26 AWP	13760.00	3206.00	13760.00	14225.00	5.08	14225.00	PASS
SEC.23-T06N-R66W	SLOT#03EX: LOWELL ADAMS #1-23 (1980'FNL & 660'FWL SEC.23, PA, 7280'MD)	LOWELL ADAMS #1-23	LOWELL ADAMS #1-23 AWB	LOWELL ADAMS #1-23 AWP	11025.00	1997.14	11027.86	11389.71	5.29	11389.71	PASS
SEC.23-T06N-R66W	SLOT#06 EX. BARNEY 7 (231'FSL & 1500'FWL, PR/NB-CD)	EX. BARNEY 7	EX. BARNEY 7 AWB	EX. BARNEY 7 AWP	11475.00	1328.66	11475.00	11642.44	5.62	11642.44	PASS
SEC.27-T06N-R66W	SLOT#05 EX. LEFFLER 5 (1300'FNL & 1170'FEL, PR/NB-CD)	EX. LEFFLER 5	EX. LEFFLER 5 AWB	EX. LEFFLER 5 AWP	9157.50	2508.64	9157.50	9625.00	5.88	9625.00	PASS
SEC.23-T06N-R66W	SLOT#03 EX:ELDRIDGE #2-23 (1993'FNL & 2048'FEL SEC.23,PR,7260'MD)	ELDRIDGE #2-23	ELDRIDGE #2-23 AWB	ELDRIDGE #2-23 AWP	13675.00	2068.77	13675.00	14025.00	6.16	14025.00	PASS
SEC.26-T06N-R66W	SLOT#06 EX. WEBER 1-26 (2250'FSL & 930'FEL, PR/CODL)	EX. WEBER 1-26	WX. WEBER 1-26 AWB	WX. WEBER 1-26 AWP	14812.50	4233.44	14812.50	15192.09	6.21	15192.09	PASS
SEC.26-T06N-R66W	SLOT#05 EX. HD FEIT 1-26 (1980'FNL & 660'FFWL, PR / CODL)	EX. HD FEIT 1-26	EX. HD FEIT 1-26 AWB	EX. HD FEIT 1-26 AWP	11021.80	3199.53	11021.80	11625.00	6.21	11625.00	PASS
SEC.34-T06N-R66W	SLOT# 01 BEEBE 25N-26B-M (242'FNL & 2276'FWL SEC.34)	BEEBE 25N-26B-M	BEEBE 25N-26B-M AWB	BEEBE 25N-26B-M AWP	6201.25	3683.13	13025.00	13601.83	6.24	13601.83	PASS
SEC.27-T06N-R66W	SLOT#03 EX. LEFFLER 2 (1780'FNL & 460'FEL, PR/CODL)	EX. LEFFLER 2	EX. LEFFLER 2 AWB	EX. LEFFLER 2 AWP	9904.38	2995.82	9904.38	10525.00	6.49	10525.00	PASS
SEC.24-T06N-R66W	SLOT#04 EX. KINDSFATER 24E-323 (370'FNL & 1479'FWL, XX)	EX. KINDSFATER 24E-323	EX. KINDSFATER 24E-323 AWB	EX. KINDSFATER 24E-323 AWP	15192.09	1074.54	15192.09	15192.09	6.54	15192.09	PASS
SEC.24-T06N-R66W	SLOT#02 EX. SEELY LAKE 1 (530'FSL & 2160'FWL, PR/CODL)	EX. SEELY LAKE 1	EX. SEELY LAKE 1 AWB	EX. SEELY LAKE 1 AWP	15192.09	2836.97	15192.09	15192.09	6.54	15192.09	PASS
SEC.34-T06N-R66W	SLOT# 02 BEEBE 25C-26-M (262'FNL & 2276'FWL SEC.34)	BEEBE 25C-26-M	BEEBE 25C-26-M AWB	BEEBE 25C-26-M AWP	6287.50	3983.00	11225.00	13673.70	6.59	13673.70	PASS
SEC.23-T06N-R66W	SLOT#05EX: ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300'MD)	ALLES #2-23	ALLES #2-23 AWB	ALLES #2-23 AWP	12487.50	2082.93	12487.50	12925.00	7.28	12925.00	PASS
SEC.27-T06N-R66W	SLOT#10 EX. CROISSANT 27-4G6 (661'FNL & 670'FWL, SI/CODL)	EX. CROISSANT 27-4G6	EX. CROISSANT 27-4G6 AWB	EX. CROISSANT 27-4G6 AWP	25.00	1109.85	200.00	6966.63	7.33	6966.63	PASS
SEC.24-T06N-R66W	SLOT#07 EX. SEELY LAKE 2 (2180'FSL & 860'FWL, PR/NB-CD)	EX. SEELY LAKE 2	EX. SEELY LAKE 2 AWB	EX. SEELY LAKE 2 AWP	15192.09	1706.80	15192.09	15192.09	7.60	15192.09	PASS
SEC.24-T06N-R66W	SLOT#05 EX. KINDSFATER 24J-243 (370'FNL & 1509'FWL, XX)	EX. KINDSFATER 24J-243	EX. KINDSFATER 24J-243 AWB	EX. KINDSFATER 24J-243 AWP	15192.09	1259.68	15192.09	15192.09	7.64	15192.09	PASS
SEC.24-T06N-R66W	SLOT#06 EX. KENT 1 (1650'FNL & 990'FWL, PR/CODL)	EX. KENT 1	EX. KENT 1 AWB	EX. KENT 1 AWP	15192.09	2781.36	15192.09	15192.09	7.93	15192.09	PASS
SEC.25-T06N-R66W	SLOT#01 EX. KISSLER AMEN 1-25 (1980'FNL & 660'FWL, PR/CODL)	EX. KISSLER AMEN 1-25	EX. KISSLER AMEN 1-25 AWB	EX. KISSLER AMEN 1-25 AWP	15192.09	3301.46	15192.09	15192.09	8.58	15192.09	PASS
SEC.27-T06N-R66W	SLOT#02 EX. TROUDT 2-27 (1981'FNL & 1987'FWL, AB/NB-CD)	EX. TROUDT 2-27	EX. TROUDT 2-27 AWB	EX. TROUDT 2-27 AWP	25.00	1254.95	200.00	7677.40	8.75	7677.40	PASS



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 6 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft
------------------	-------------------	------------------------

### OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.26-T06N-R66W	SLOT#02 FEIT #26-10G6 (1977'FSL & 1989'FEL SEC.26,PR)	FEIT #26-10G6	FEIT #26-10G6 AWB	FEIT #26-10G6 AWP	13950.00	4655.02	13950.00	15048.88	8.89	15048.88	PASS
SEC.27-T06N-R66W	SLOT#09 EX. CROISSANT 1-27 (1980'FNL & 660'FWL, PA/CODL)	EX. CROISSANT 1-27	EX. CROISSANT 1-27 AWB	EX. CROISSANT 1-27 AWP	25.00	1637.49	200.00	7141.57	10.16	7141.57	PASS
SEC.28-T06N-R66W	SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL)	EX. KNAUS D 1-28	EX. KNAUS D 1-28 AWB	EX. KNAUS D 1-28 AWP	25.00	2521.41	200.00	7072.26	10.30	7072.26	PASS
SEC.22-T06N-R66W	SLOT#07EX:L&L PARTNERSHIP #22-8 (1987'FNL & 664'FEL SEC.22,PR,7350')	L&L PARTNERSHIP #22-8	L&L PARTNERSHIP #22-8 AWB	L&L PARTNERSHIP #22-8 AWP	9696.25	1871.29	9696.25	10288.86	11.21	10288.86	PASS
SEC.26-T06N-R66W	SLOT#03 BUXMAN I #26-6 (2100'FNL & 1970'FWL SEC.26, PR)	BUXMAN I #26-6	BUXMAN I #26-6 AWB	BUXMAN I #26-6 AWP	12320.00	3266.58	12320.00	13125.00	11.48	13125.00	PASS
SEC.28-T06N-R66W	SLOT#05 EX. KNAUS 28-8 (1981'FNL & 662'FEL, PR/NB-CD)	EX. KNAUS 28-8	EX. KNAUS 28-8 AWB	EX. KNAUS 28-8 AWP	25.00	2413.24	200.00	7143.81	11.53	7143.81	PASS
SEC.25-T06N-R66W	SLOT#01 EX. TODD 13-25 (1980'FSL & 660'FWL, PR/NB-CD)	EX. TODD 13-25	EX. TODD 13-25 AWB	EX. TODD 13-25 AWP	15192.09	4813.37	15192.09	15192.09	12.39	15192.09	PASS
SEC.28-T06N-R66W	SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD)	EX. BUXMAN 28-15	EX. BUXMAN 28-15 AWB	EX. BUXMAN 28-15 AWP	25.00	3215.16	200.00	7176.26	12.81	7176.26	PASS
SEC.22-T06N-R66W	SLOT#02 EX:RUTT-ADAMS HEIRS #1-22 (1980'FSL&1980'FWL,SEC.22,PR,7279'MD)	RUTT-ADAMS HEIRS #1-22	RUTT-ADAMS HEIRS #1-22 AWB	RUTT-ADAMS HEIRS #1-22 AWP	7163.75	966.69	7163.75	7358.84	12.91	7358.84	PASS
SEC.27-T06N-R66W	SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280'MD,PA)	ARNBRECHT #1-27	ARNBRECHT #1-27 AWB	ARNBRECHT #1-27 AWP	25.00	3919.18	9625.00	11392.50	13.13	11392.50	PASS
SEC.28-T06N-R66W	SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL)	EX. RONALD 1-28	EX. RONALD 1-28 AWB	EX. RONALD 1-28 AWP	25.00	3866.79	200.00	7234.23	15.06	7234.23	PASS
SEC.26-T06N-R66W	SLOT#02 PAYNE #2-26 (1577'FSL & 1969'FWL SEC.26,7706'MD,PR)	PAYNE #2-26	PAYNE #2-26 AWB	PAYNE #2-26 AWP	12025.00	4889.09	12025.00	13903.41	16.52	13903.41	PASS
SEC.28-T06N-R66W	SLOT#06 EX. SWANSON 28-21 (658'FNL & 1985'FWL, PR/CODL)	EX. SWANSON 28-21	EX. SWANSON 28-21 AWB	EX. SWANSON 28-21 AWP	25.00	4995.19	200.00	7275.14	16.74	7275.14	PASS
SEC.26-T06N-R66W	SLOT#01 IRVING #1-26 (2175'FSL & 800'FWL SEC.26,7311'MD,PR)	IRVING #1-26	IRVING #1-26 AWB	IRVING #1-26 AWP	11112.50	4234.99	11112.50	12725.00	16.90	12725.00	PASS
SEC.28-T06N-R66W	SLOT#04 EX. DOERING 28-10 (1980'FSL & 1983'FEL, SI/CODL)	EX. DOERING 28-10	EX. DOERING 28-10 AWB	EX. DOERING 28-10 AWP	25.00	4541.34	200.00	7674.99	17.58	7674.99	PASS
SEC.28-T06N-R66W	SLOT#03 EX. SWANSON 28-24 (1835'FNL & 2126'FWL, PR/CODL)	EX. SWANSON 28-24	EX. SWANSON 28-24 AWB	EX. SWANSON 28-24 AWP	25.00	4986.80	200.00	7291.63	17.76	7291.63	PASS
SEC.28-T06N-R66W	SLOT#01 EX SWANSON #28-22 (798'FNL & 521'FWL, SEC.28, PR, 7240)	SWANSON #28-22	SWANSON #28-22 AWB	SWANSON #28-22 AWP	25.00	6455.99	200.00	7342.49	18.10	7342.49	PASS
SEC.22-T06N-R66W	SLOT#05 EX:INTERMILL #1-22 (1982'FNL & 1974'FEL SEC.22,PA,7295'MD)	INTERMILL #1-22	INTERMILL #1-22 AWB	INTERMILL #1-22 AWP	8300.00	2082.62	8300.00	9345.11	18.58	9345.11	PASS
SEC.28-T06N-R66W	SLOT#01 EX SWANSON #1 (1980'FNL & 660'FWL, SEC.28, PA, 8971')	SWANSON #1	SWANSON #1 AWB	SWANSON #1 AWP	25.00	6454.65	200.00	7673.89	18.81	7673.89	PASS
SEC.28-T06N-R66W	SLOT#02 EX SWANSON #28-23 (1784'FNL & 472'FWL, SEC.28, PR, 7240)	SWANSON #28-23	SWANSON #28-23 AWB	SWANSON #28-23 AWP	25.00	6599.21	200.00	7673.77	19.01	7673.77	PASS
SEC.27-T06N-R66W	SLOT#25 TROUDT 28N-29B-L (2062'FNL & 1688'FWL, SEC.27)	TROUDT 28N-29B-L	TROUDT 28N-29B-L PWB	TROUDT 28N-29B-L PWP (REV-A.0)	6076.25	1202.20	6076.25	6695.16	19.14	6695.16	PASS
SEC.28-T06N-R66W	SLOT#01 EX. MCKAY LAND & CATTLE CO #1 (1980'FSL & 1980'FWL, PR/CODL)	EX. MCKAY LAND & CATTLE CO #1	EX. MCKAY LAND & CATTLE CO #1 AWB	EX. MCKAY LAND & CATTLE CO #1 AWP	25.00	5633.92	200.00	7674.71	20.27	7674.71	PASS
SEC.29-T06N-R66W	SLOT#08 EX SWANSON #29-11 (560'FNL & 660'FEL, SEC.29, PR, 7239')	SWANSON #29-11	SWANSON #29-11 AWB	SWANSON #29-11 AWP	25.00	7541.60	200.00	7673.06	20.51	7673.06	PASS
	SLOT#09 EX SWANSON #29-14 (2165'FNL & 859'FEL, SEC.29, PR, 7220')	SWANSON #29-14	SWANSON #29-14 AWB	SWANSON #29-14 AWP	25.00	7985.10	200.00	7673.73	22.28	7673.73	PASS

**OFFSET WELL CLEARANCE SUMMARY** (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio				
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status	
SEC.29-T06N-R66W												
SEC.22-T06N-R66W	SLOT#01 EX:MILLS-FELT #1-22 (660'FSL & 660'FWL SEC.22, PR, 7706'MD)	MILLS-FELT #1-22	MILLS-FELT #1-22 AWB	MILLS-FELT #1-22 AWP	4187.50	1384.69	4187.50	6005.21	22.96	6005.21	PASS	



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 7 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF		
From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.27-T06N-R66W	SLOT#26 TROUDT 28C-29-L ( 2082'FNL & 1689'FWL, SEC.27)	TROUDT 28C-29-L	TROUDT 28C-29-L PWB	TROUDT 28C-29-L PWP (REV-A.0)	1000.00	1298.08	1000.00	6894.19	23.00	6894.19	PASS
SEC.20-T06N-R66W	SLOT#02 EX SWANSON #34-20 (660'FSL & 1980'FEL, SEC.20, PR, 7591')	SWANSON #34-20	SWANSON #34-20 AWB	SWANSON #34-20 AWP	25.00	9045.79	200.00	7672.34	23.38	7672.34	PASS
SEC.27-T06N-R66W	SLOT#02 EX. FEIT BROTHERS 2-27 (1980'FNL & 1980'FEL, AB/NB-CD)	EX. FEIT BROTHERS 2-27	EX. FEIT BROTHERS 2-27 AWB	EX. FEIT BROTHERS 2-27 AWP	25.00	2142.04	8325.00	10278.51	24.20	10278.51	PASS
SEC.29-T06N-R66W	SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220')	GOETZEL #29-10G6	GOETZEL #29-10G6 AWB	GOETZEL #29-10G6 AWP	25.00	9250.79	200.00	7674.05	25.64	7674.05	PASS
SEC.28-T06N-R66W	SLOT#10 EX. FEUERSTEIN I28-64-1HC (1727'FSL & 290'FWL, PR/CODL)	EX. FEUERSTEIN I28-64-1HC	EX. FEUERSTEIN I28-64-1HC AWB	EX. FEUERSTEIN I28-64-1HC AWP	5817.50	5306.43	5817.50	6895.50	27.13	6895.50	PASS
SEC.27-T06N-R66W	SLOT#27 TROUDT 2N-29C-L (2102'FNL & 1689'FWL, SEC.27)	TROUDT 2N-29C-L	TROUDT 2N-29C-L PWB	TROUDT 2N-29C-L PWP (REV-A.0)	900.00	1303.42	900.00	6825.00	27.14	7925.00	PASS
SEC.28-T06N-R66W	SLOT#09 EX. FEUERSTEIN I28-63-1HN (1721'FSL & 311'FWL, PR/NBRR)	EX. FEUERSTEIN I28-63-1HN	EX. FEUERSTEIN I28-63-1HN AWB	EX. FEUERSTEIN I28-63-1HN AWP	5525.00	5840.18	5525.00	6781.31	28.67	6781.31	PASS
SEC.20-T06N-R66W	SLOT#09 EX. GOETZEL 20-34 (845'FSL & 2196'FWL, SI/CODL)	EX. GOETZEL 20-34	EX. GOETZEL 20-34 AWB	EX. GOETZEL 20-34 AWP	25.00	10208.99	200.00	7672.24	29.82	7672.24	PASS
SEC.27-T06N-R66W	SLOT#05 ARNBRECHT #2-27 (1981'FSL & 1987'FEL SEC.27,7258'MD,PR)	ARNBRECHT #2-27	ARNBRECHT #2-27 AWB	ARNBRECHT #2-27 AWP	25.00	2936.44	8125.00	11351.56	30.10	11351.56	PASS
SEC.20-T06N-R66W	SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20)	HOOD 14N-22A-M	HOOD 14N-22A-M OWB AWB	HOOD 14N-22A-M OWB AWP	6829.79	2755.61	6829.79	6725.00	30.41	6725.00	PASS
SEC.27-T06N-R66W	SLOT#28 TROUDT 2N-29B-L (2122'FNL & 1689'FWL, SEC.27)	TROUDT 2N-29B-L	TROUDT 2N-29B-L PWB	TROUDT 2N-29B-L PWP (REV-A.0)	812.50	1341.35	812.50	7676.34	30.63	8725.00	PASS
SEC.21-T06N-R66W	SLOT#02 EX:BILLINGS #44-21 (700'FSL & 460'FEL SEC.21, PR, 7253'MD)	BILLINGS #44-21	BILLINGS #44-21 AWB	BILLINGS #44-21 AWP	3025.00	2480.72	3037.50	7071.82	32.19	7071.82	PASS
SEC.29-T06N-R66W	SLOT#12 EX. GOETZEL 2-29 (1988'FSL & 2185'FWL, SI/NB-CD)	EX. GOETZEL 2-29	EX. GOETZEL 2-29 AWB	EX. GOETZEL 2-29 AWP	25.00	10465.02	200.00	7673.83	32.39	7673.83	PASS
SEC.27-T06N-R66W	SLOT#29 TROUDT 2C-29-L (2142'FNL & 1689'FWL, SEC.27)	TROUDT 2C-29-L	TROUDT 2C-29-L PWB	TROUDT 2C-29-L PWP (REV-A.0)	705.63	1360.93	705.63	7676.56	32.44	8625.00	PASS
SEC.27-T06N-R66W	SLOT#30 TROUDT 21N-29C-L (2162'FNL & 1689'FWL, SEC.27)	TROUDT 21N-29C-L	TOUDT 21N-29C-L PWB	TOUDT 21N-29C-L PWP (REV-A.0)	630.00	1400.90	630.00	7676.66	36.04	8925.00	PASS
SEC.27-T06N-R66W	SLOT#03 BROWN, H.I. #2-27 (1993'FSL & 2163'FWL SEC.27,7300'MD,PR)	BROWN, H.I. #2-27	BROWN, H.I. #2-27 AWB	BROWN, H.I. #2-27 AWP	204.61	2576.57	204.61	11325.00	37.55	11325.00	PASS
SEC.27-T06N-R66W	SLOT#31 TROUDT 21C-29-L (2182'FNL & 1689'FWL, SEC.27)	TROUDT 21C-29-L	TROUDT 21C-29-L PWB	TROUDT 21C-29-L PWP (REV-A.0)	525.00	1412.77	525.00	9164.46	37.70	9164.46	PASS
SEC.27-T06N-R66W	SLOT#33 TROUDT 7C-29-L (2222'FNL & 1689'FWL, SEC.27)	TROUDT 7C-29-L	TROUDT 7C-29-L PWB	TROUDT 7C-29-L PWP (REV-A.0)	350.00	1459.88	350.00	9684.36	39.11	9684.36	PASS
SEC.27-T06N-R66W	SLOT#32 TROUDT 21N-29A-L (2202'FNL & 1689'FWL, SEC.27)	TROUDT 21N-29A-L	TROUDT 21N-29A-L PWB	TROUDT 21N-29A-L PWP (REV-A.0)	25.00	1441.24	200.00	9538.40	39.50	9538.40	PASS
SEC.27-T06N-R66W	SLOT#34 TROUDT 7N-29B-L (2242'FNL & 1689'FWL, SEC.27)	TROUDT 7N-29B-L	TROUDT 7N-29B-L PWB	TROUDT 7N-29B-L PWP (REV-A.0)	25.00	1481.31	200.00	9825.00	39.85	10225.00	PASS
SEC.27-T06N-R66W	SLOT#35 TROUDT 25C-29-L (2262'FNL & 1689'FWL, SEC.27)	TROUDT 25C-29-L	TROUDT 25C-29-L PWB	TROUDT 25C-29-L PWP (REV-A.0)	25.00	1501.35	200.00	10225.00	40.24	10225.00	PASS
SEC.27-T06N-R66W	SLOT#36 TROUDT 25N-29C-L (2282'FNL & 1689'FWL, SEC.27)	TROUDT 25N-29C-L	TROUDT 25N-29C-L PWB	TROUDT 25N-29C-L PWP (REV-A.0)	25.00	1521.02	200.00	10436.99	40.83	10436.99	PASS
SEC.21-T06N-R66W	SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775'MD)	BOYD #1	BOYD #1 AWB	BOYD #1 AWP	25.00	6460.42	200.00	5241.73	41.41	5241.73	PASS
SEC.27-T06N-R66W	SLOT#02 BUXMAN, H #2-27 (1981'FSL & 662'FWL SEC.27,7280'MD,PA)	BUXMAN, H #2-27	BUXMAN, H #2-27 AWB	BUXMAN, H #2-27 AWP	212.50	2730.25	212.50	11310.26	49.53	11310.26	PASS
SEC.21-T06N-R66W	SLOT#03 EX:KOHLER J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318'MD)	KOHLER J #1-21	KOHLER J #1-21 AWB	KOHLER J #1-21 AWP	1137.50	3854.95	1137.50	7672.86	58.46	7672.86	PASS



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 8 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF		
From: 25.00ft MD	To: 15192.09ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.28-T06N-R66W	SLOT#07 EX. BUXMAN 28-12 (650'FNL & 1947'FEL, AB/NB-CD)	EX. BUXMAN 28-12	EX. BUXMAN 28-12 AWB	EX. BUXMAN 28-12 AWP	25.00	3633.66	25.00	7673.73	59.35	7673.73	PASS
SEC.28-T06N-R66W	SLOT#01 EX.DOERING, G W #2-28 (2240'FSL&415'FEL SEC.28,7280'MD,PR)	DOERING, G W #2-28	DOERING, G W #2-28 AWB	DOERING, G W #2-28 AWP	3710.00	4095.27	3710.00	11025.00	62.73	11025.00	PASS
SEC.20-T06N-R66W	SLOT#13 WARD #W-20-19HC	WARD #W-20-19HC	WARD #W-20-19HC PWB	WARD #W-20-19HC PWP	3825.00	7023.92	3825.00	7672.73	87.88	7672.73	PASS
SEC.20-T06N-R66W	SLOT#14 WARD #X-20-19HN	WARD #X-20-19HN	WARD #X-20-19HN PWB	WARD #X-20-19HN PWP	3485.00	6997.32	3485.00	7672.83	87.97	7672.83	PASS
SEC.28-T06N-R66W	SLOT#11 EX. FEUERSTEIN I29-63HN (1733'FSL & 268'FWL, PR/NBRR)	EX. FEUERSTEIN I29-63HN	EX. FEUERSTEIN I29-63HN AWB	EX. FEUERSTEIN I29-63HN AWP	25.00	7303.68	200.00	13525.00	101.23	13525.00	PASS
SEC.29-T06N-R66W	SLOT#02 GOETZEL 30C-30-M (1833'FNL & 2445'FEL, SEC.29)	GOETZEL 30C-30-M	GOETZEL 30C-30-M AWB	GOETZEL 30C-30-M AWP	1296.88	9462.91	4825.00	7672.96	112.35	7672.96	PASS
SEC.29-T06N-R66W	SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29)	GOETZEL 30N-30B-M	GOETZEL 30N-30B-M AWB	GOETZEL 30N-30B-M AWP	1206.25	9474.10	3825.00	7672.87	112.98	7672.87	PASS
SEC.29-T06N-R66W	SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29)	GOETZEL 31C-30-M	GOETZEL 31C-30-M AWB	GOETZEL 31C-30-M AWP	217.19	9521.31	3425.00	7673.35	114.41	7673.35	PASS
SEC.29-T06N-R66W	SLOT#03 GOETZEL 4N-30C-M (1853'FNL & 2445'FEL, SEC.29)	GOETZEL 4N-30C-M	GOETZEL 4N-30C-M AWB	GOETZEL 4N-30C-M AWP	1057.71	9493.15	4525.00	7673.04	115.28	7673.04	PASS
SEC.29-T06N-R66W	SLOT#05 GOETZEL 4C-30-M (1893'FNL & 2446'FEL, SEC.29)	GOETZEL 4C-30-M	GOETZEL 4C-30-M AWB	GOETZEL 4C-30-M AWP	287.50	9506.84	4225.00	7673.20	116.78	7673.20	PASS
SEC.29-T06N-R66W	SLOT#04 GOETZEL 4N-30A-M (1873'FNL & 2446'FEL, SEC.29)	GOETZEL 4N-30A-M	GOETZEL 4N-30A-M AWB	GOETZEL 4N-30A-M AWP	215.00	9505.67	2325.00	7673.18	116.86	7673.18	PASS
SEC.29-T06N-R66W	SLOT#25 EX. FEUERSTEIN 1 (1980'FSL & 600'FEL, PR/NB-CD)	EX. FEUERSTEIN 1	EX. FEUERSTEIN 1 AWB	EX. FEUERSTEIN 1 AWP	250.00	8025.87	250.00	7674.18	117.44	13425.00	PASS
SEC.29-T06N-R66W	SLOT#06 GOETZEL 31N-30B-M (1913'FNL & 2446'FEL, SEC.29)	GOETZEL 31N-30B-M	GOETZEL 31N-30B-M AWB	GOETZEL 31N-30B-M AWP	225.00	9509.59	2325.00	7673.28	118.40	7673.28	PASS
SEC.29-T06N-R66W	SLOT#09 GOETZEL 5C-30-M (2033'FNL & 2446'FEL, SEC.29)	GOETZEL 5C-30-M	GOETZEL 5C-30-M AWB	GOETZEL 5C-30-M AWP	225.00	9529.37	225.00	7673.52	119.76	7673.52	PASS
SEC.29-T06N-R66W	SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29)	GOETZEL 32C-30-M2	GOETZEL 32C-30-M2 PWB	GOETZEL 32C-30-M2 REV-A.0 PWP	4687.50	10066.84	4687.50	7673.81	120.10	11825.00	PASS
SEC.29-T06N-R66W	SLOT#11 GOETZEL 32C-30-M (2073'FNL & 2446'FEL, SEC.29)	GOETZEL 32C-30-M	GOETZEL 32C-30-M AWB	GOETZEL 32C-30-M AWP	290.00	9530.39	290.00	7673.64	120.17	7673.64	PASS
SEC.29-T06N-R66W	SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29)	GOETZEL 32N-30B-M	GOETZEL 32N-30B-M PWB	GOETZEL 32N-30B-M REV-A.0 PWP	4448.75	10095.06	4448.75	7673.87	120.72	12625.00	PASS
SEC.29-T06N-R66W	SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29)	GOETZEL 5N-30B-M	GOETZEL 5N-30B-M AWB	GOETZEL 5N-30B-M AWP	287.50	9528.19	287.50	7673.61	120.76	7673.61	PASS
SEC.29-T06N-R66W	SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29)	GOETZEL 31N-30C-M	GOETZEL 31N-30C-M AWB	GOETZEL 31N-30C-M AWP	225.00	9524.19	225.00	7673.40	121.16	7673.40	PASS
SEC.29-T06N-R66W	SLOT#07 EX GOETZEL I #29-2 (472'FNL & 1994'FEL, SEC.29, PR, 7295')	GOETZEL I #29-2	GOETZEL I #29-2 AWB	GOETZEL I #29-2 AWP	287.50	8970.38	287.50	7672.96	124.39	7672.96	PASS
SEC.29-T06N-R66W	SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29)	GOETZEL 32N-30C-M	GOETZEL 32N-30C-M AWB	GOETZEL 32N-30C-M AWP	300.00	9535.68	300.00	7673.71	124.66	7673.71	PASS
SEC.29-T06N-R66W	SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208)	GOETZEL #1-29	GOETZEL #1-29 AWB	GOETZEL #1-29 AWP	25.00	9080.47	25.00	7673.56	127.90	7673.56	PASS
SEC.29-T06N-R66W	SLOT#02 EX EMERSON FARMS #21-29 (660'FNL & 1980'FWL, SEC.29, PR, 7682)	EMERSON FARMS #21-29	EMERSON FARMS #21-29 AWB	EMERSON FARMS #21-29 AWP	25.00	10284.74	25.00	7672.97	138.39	7672.97	PASS
SEC.29-T06N-R66W	SLOT#03 EX COUNTRY 1 #29-6 (1980'FNL & 1980'FWL, SEC.29, PR, 7276')	COUNTRY 1 #29-6	COUNTRY 1 #29-6 AWB	COUNTRY 1 #29-6 AWP	25.00	10399.15	25.00	7673.44	146.57	7673.44	PASS



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 9 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) Well: EX. BARNEY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11.00	25.00	2026.92	5590.78	70.07	5946.87	50.19	120.79	PASS
125.00†	125.00	0.00	0.00	111.00	125.00	2026.92	5590.78	70.07	5946.87	50.48	120.08	PASS
200.00	200.00	0.00	0.00	186.00	200.00	2026.92	5590.78	70.07	5946.87	51.18	118.39	PASS
225.00†	225.00	0.10	0.03	211.00	225.00	2026.92	5590.78	54.14	5946.80	51.50	117.66	PASS
325.00†	324.96	2.62	0.75	310.96	324.96	2026.92	5590.78	54.18	5945.27	53.23	113.73	PASS
425.00†	424.77	8.49	2.42	410.77	424.77	2026.92	5590.78	54.29	5941.70	55.56	108.81	PASS
525.00†	524.30	17.71	5.06	510.30	524.30	2026.92	5590.78	54.46	5936.10	58.35	103.43	PASS
625.00†	623.44	30.26	8.64	609.44	623.44	2026.92	5590.78	54.68	5928.49	61.48	97.95	PASS
725.00†	722.07	46.13	13.17	708.07	722.07	2026.92	5590.78	54.97	5918.89	64.87	92.60	PASS
825.00†	820.05	65.30	18.64	806.05	820.05	2026.92	5590.78	55.32	5907.34	68.46	87.50	PASS
925.00†	917.29	87.74	25.05	903.29	917.29	2026.92	5590.78	55.72	5893.87	72.20	82.72	PASS
1025.00†	1013.64	113.44	32.39	999.64	1013.64	2026.92	5590.78	56.19	5878.53	76.05	78.28	PASS
1067.21	1054.03	125.25	35.76	1040.03	1054.03	2026.92	5590.78	56.41	5871.50	77.71	76.49	PASS
1125.00†	1109.19	141.82	40.49	1095.19	1109.19	2026.92	5590.78	56.54	5861.68	79.98	74.17	PASS
1225.00†	1204.64	170.48	48.68	1190.64	1204.64	2026.92	5590.78	56.78	5844.76	84.01	70.37	PASS
1325.00†	1300.09	199.15	56.86	1286.09	1300.09	2026.92	5590.78	57.02	5827.95	88.12	66.86	PASS
1425.00†	1395.55	227.82	65.05	1381.55	1395.55	2026.92	5590.78	57.26	5811.24	92.30	63.61	PASS
1525.00†	1491.00	256.48	73.23	1477.00	1491.00	2026.92	5590.78	57.50	5794.63	96.56	60.61	PASS
1625.00†	1586.45	285.15	81.42	1572.45	1586.45	2026.92	5590.78	57.74	5778.14	100.87	57.83	PASS
1725.00†	1681.91	313.81	89.60	1667.91	1681.91	2026.92	5590.78	57.98	5761.74	105.24	55.25	PASS
1825.00†	1777.36	342.48	97.79	1763.36	1777.36	2026.92	5590.78	58.22	5745.46	109.23	52.93	PASS
1925.00†	1872.81	371.14	105.97	1858.81	1872.81	2026.92	5590.78	58.47	5729.29	113.36	50.85	PASS
2025.00†	1968.27	399.81	114.15	1954.27	1968.27	2026.92	5590.78	58.71	5713.22	117.51	48.91	PASS
2125.00†	2063.72	428.48	122.34	2049.72	2063.72	2026.92	5590.78	58.96	5697.27	121.69	47.09	PASS
2225.00†	2159.17	457.14	130.52	2145.17	2159.17	2026.92	5590.78	59.21	5681.42	125.90	45.38	PASS
2325.00†	2254.63	485.81	138.71	2240.63	2254.63	2026.92	5590.78	59.46	5665.69	130.13	43.77	PASS
2425.00†	2350.08	514.47	146.89	2336.08	2350.08	2026.92	5590.78	59.71	5650.08	134.39	42.26	PASS
2525.00†	2445.53	543.14	155.08	2431.53	2445.53	2026.92	5590.78	59.97	5634.58	138.67	40.84	PASS
2625.00†	2540.98	571.80	163.26	2526.98	2540.98	2026.92	5590.78	60.22	5619.19	142.97	39.49	PASS
2725.00†	2636.44	600.47	171.45	2622.44	2636.44	2026.92	5590.78	60.48	5603.92	147.30	38.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 10 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) Well: EX. BARNEY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2717.89	2731.89	2026.92	5590.78	60.73	5588.77	151.64	37.02	PASS
2925.00†	2827.34	657.80	187.82	2813.34	2827.34	2026.92	5590.78	60.99	5573.73	156.00	35.89	PASS
3025.00†	2922.80	686.47	196.00	2908.80	2922.80	2026.92	5590.78	61.25	5558.82	160.38	34.81	PASS
3125.00†	3018.25	715.13	204.19	3004.25	3018.25	2026.92	5590.78	61.51	5544.02	164.77	33.79	PASS
3225.00†	3113.70	743.80	212.37	3099.70	3113.70	2026.92	5590.78	61.77	5529.35	169.18	32.82	PASS
3325.00†	3209.16	772.46	220.56	3195.16	3209.16	2026.92	5590.78	62.04	5514.79	173.61	31.89	PASS
3425.00†	3304.61	801.13	228.74	3290.61	3304.61	2026.92	5590.78	62.30	5500.37	178.05	31.01	PASS
3525.00†	3400.06	829.79	236.93	3386.06	3400.06	2026.92	5590.78	62.57	5486.06	182.51	30.17	PASS
3625.00†	3495.52	858.46	245.11	3481.52	3495.52	2026.92	5590.78	62.83	5471.88	186.98	29.37	PASS
3725.00†	3590.97	887.13	253.29	3576.97	3590.97	2026.92	5590.78	63.10	5457.83	191.47	28.61	PASS
3825.00†	3686.42	915.79	261.48	3672.42	3686.42	2026.92	5590.78	63.37	5443.90	195.97	27.88	PASS
3925.00†	3781.88	944.46	269.66	3767.88	3781.88	2026.92	5590.78	63.64	5430.10	200.48	27.18	PASS
4025.00†	3877.33	973.12	277.85	3863.33	3877.33	2026.92	5590.78	63.91	5416.43	205.00	26.51	PASS
4125.00†	3972.78	1001.79	286.03	3958.78	3972.78	2026.92	5590.78	64.19	5402.89	209.53	25.87	PASS
4225.00†	4068.23	1030.45	294.22	4054.23	4068.23	2026.92	5590.78	64.46	5389.48	214.08	25.26	PASS
4325.00†	4163.69	1059.12	302.40	4149.69	4163.69	2026.92	5590.78	64.74	5376.20	218.64	24.67	PASS
4425.00†	4259.14	1087.78	310.59	4245.14	4259.14	2026.92	5590.78	65.02	5363.06	223.21	24.10	PASS
4525.00†	4354.59	1116.45	318.77	4340.59	4354.59	2026.92	5590.78	65.29	5350.05	227.78	23.56	PASS
4625.00†	4450.05	1145.12	326.96	4436.05	4450.05	2026.92	5590.78	65.57	5337.17	232.37	23.04	PASS
4725.00†	4545.50	1173.78	335.14	4531.50	4545.50	2026.92	5590.78	65.86	5324.43	236.97	22.53	PASS
4825.00†	4640.95	1202.45	343.33	4626.95	4640.95	2026.92	5590.78	66.14	5311.83	241.58	22.05	PASS
4925.00†	4736.41	1231.11	351.51	4722.41	4736.41	2026.92	5590.78	66.42	5299.36	246.19	21.58	PASS
5025.00†	4831.86	1259.78	359.70	4817.86	4831.86	2026.92	5590.78	66.71	5287.03	250.82	21.14	PASS
5125.00†	4927.31	1288.44	367.88	4913.31	4927.31	2026.92	5590.78	66.99	5274.85	255.45	20.70	PASS
5225.00†	5022.77	1317.11	376.07	5008.77	5022.77	2026.92	5590.78	67.28	5262.80	260.09	20.29	PASS
5325.00†	5118.22	1345.78	384.25	5104.22	5118.22	2026.92	5590.78	67.57	5250.90	264.74	19.88	PASS
5425.00†	5213.67	1374.44	392.43	5199.67	5213.67	2026.92	5590.78	67.86	5239.13	269.40	19.50	PASS
5525.00†	5309.12	1403.11	400.62	5295.12	5309.12	2026.92	5590.78	68.15	5227.51	274.06	19.12	PASS
5625.00†	5404.58	1431.77	408.80	5390.58	5404.58	2026.92	5590.78	68.44	5216.04	278.73	18.76	PASS
5725.00†	5500.03	1460.44	416.99	5486.03	5500.03	2026.92	5590.78	68.73	5204.71	283.41	18.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 11 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) Well: EX. BARNEY 1 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
5825.00†	5595.48	1489.10	425.17	5581.48	5595.48	2026.92	5590.78	69.03	5193.53	288.09	18.07	PASS	
5925.00†	5690.94	1517.77	433.36	5676.94	5690.94	2026.92	5590.78	69.32	5182.49	292.78	17.74	PASS	
6025.00†	5786.39	1546.43	441.54	5772.39	5786.39	2026.92	5590.78	69.62	5171.60	297.47	17.42	PASS	
6125.00†	5881.84	1575.10	449.73	5867.84	5881.84	2026.92	5590.78	69.92	5160.87	302.18	17.12	PASS	
6225.00†	5977.30	1603.77	457.91	5963.30	5977.30	2026.92	5590.78	70.22	5150.28	306.88	16.82	PASS	
6325.00†	6072.75	1632.43	466.10	6058.75	6072.75	2026.92	5590.78	70.52	5139.84	311.60	16.53	PASS	
6425.00†	6168.20	1661.10	474.28	6154.20	6168.20	2026.92	5590.78	70.82	5129.56	316.31	16.25	PASS	
6525.00†	6263.66	1689.76	482.47	6249.66	6263.66	2026.92	5590.78	71.12	5119.43	321.04	15.98	PASS	
6625.00†	6359.11	1718.43	490.65	6345.11	6359.11	2026.92	5590.78	71.42	5109.45	325.76	15.72	PASS	
6725.00†	6454.56	1747.09	498.84	6440.56	6454.56	2026.92	5590.78	71.73	5099.63	330.50	15.46	PASS	
6825.00†	6550.01	1775.76	507.02	6536.01	6550.01	2026.92	5590.78	72.03	5089.96	335.23	15.21	PASS	
6888.88	6610.99	1794.07	512.25	6596.99	6610.99	2026.92	5590.78	72.23	5083.86	338.26	15.06	PASS	
6925.00†	6645.37	1804.39	516.22	6631.37	6645.37	2026.92	5590.78	72.85	5079.43	339.98	14.97	PASS	
7025.00†	6738.80	1832.44	537.75	6724.80	6738.80	2026.92	5590.78	43.61	5056.77	344.89	14.69	PASS	
7125.00†	6827.86	1859.15	574.28	6813.86	6827.86	2026.92	5590.78	32.37	5019.31	350.10	14.36	PASS	
7225.00†	6910.36	1883.87	624.90	6896.36	6910.36	2026.92	5590.78	25.67	4967.94	354.89	14.02	PASS	
7325.00†	6984.27	1905.99	688.37	6970.27	6984.27	2026.92	5590.78	21.43	4903.90	359.14	13.68	PASS	
7425.00†	7047.75	1924.97	763.12	7033.75	7047.75	2026.92	5590.78	18.58	4828.73	362.76	13.34	PASS	
7525.00†	7099.27	1940.34	847.32	7085.27	7099.27	2026.92	5590.78	16.51	4744.24	365.65	13.00	PASS	
7625.00†	7137.53	1951.72	938.90	7123.53	7137.53	2026.92	5590.78	14.67	4652.49	367.77	12.67	PASS	
7725.00†	7161.61	1958.83	1035.59	7147.61	7161.61	2026.92	5590.78	11.76	4555.70	369.07	12.37	PASS	
7825.00†	7170.90	1961.50	1135.02	7156.90	7170.90	2026.92	5590.78	-30.39	4456.24	369.57	12.08	PASS	
7840.20	7171.00	1961.51	1150.22	7157.00	7171.00	2026.92	5590.78	-105.67	4441.04	369.57	12.04	PASS	
7925.00†	7170.58	1961.28	1235.02	7156.58	7170.58	2026.92	5590.78	-105.38	4356.26	369.55	11.81	PASS	
8025.00†	7170.10	1961.00	1335.01	7156.10	7170.10	2026.92	5590.78	-105.04	4256.28	369.52	11.54	PASS	
8125.00†	7169.61	1960.73	1435.01	7155.61	7169.61	2026.92	5590.78	-104.71	4156.29	369.49	11.27	PASS	
8225.00†	7169.12	1960.46	1535.01	7155.12	7169.12	2026.92	5590.78	-104.37	4056.31	369.46	11.00	PASS	
8325.00†	7168.63	1960.18	1635.01	7154.63	7168.63	2026.92	5590.78	-104.03	3956.33	369.44	10.73	PASS	
8425.00†	7168.14	1959.91	1735.01	7154.14	7168.14	2026.92	5590.78	-103.69	3856.35	369.41	10.46	PASS	
8525.00†	7167.65	1959.64	1835.01	7153.65	7167.65	2026.92	5590.78	-103.34	3756.38	369.38	10.19	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 12 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) Well: EX. BARNEY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7153.16	7167.16	2026.92	5590.78	-103.00	3656.40	369.35	9.92	PASS
8725.00†	7166.67	1959.09	2035.00	7152.67	7166.67	2026.92	5590.78	-102.66	3556.42	369.33	9.65	PASS
8825.00†	7166.18	1958.82	2135.00	7152.18	7166.18	2026.92	5590.78	-102.31	3456.45	369.30	9.38	PASS
8925.00†	7165.69	1958.55	2235.00	7151.69	7165.69	2026.92	5590.78	-101.97	3356.48	369.27	9.11	PASS
9025.00†	7165.20	1958.27	2335.00	7151.20	7165.20	2026.92	5590.78	-101.62	3256.50	369.24	8.83	PASS
9125.00†	7164.71	1958.00	2435.00	7150.71	7164.71	2026.92	5590.78	-101.27	3156.53	369.21	8.56	PASS
9225.00†	7164.22	1957.73	2534.99	7150.22	7164.22	2026.92	5590.78	-100.92	3056.57	369.18	8.29	PASS
9325.00†	7163.73	1957.46	2634.99	7149.73	7163.73	2026.92	5590.78	-100.57	2956.60	369.15	8.02	PASS
9425.00†	7163.24	1957.18	2734.99	7149.24	7163.24	2026.92	5590.78	-100.22	2856.64	369.12	7.75	PASS
9525.00†	7162.75	1956.91	2834.99	7148.75	7162.75	2026.92	5590.78	-99.87	2756.68	369.09	7.48	PASS
9625.00†	7162.26	1956.64	2934.99	7148.26	7162.26	2026.92	5590.78	-99.52	2656.72	369.06	7.21	PASS
9725.00†	7161.77	1956.36	3034.99	7147.77	7161.77	2026.92	5590.78	-99.17	2556.77	369.03	6.94	PASS
9825.00†	7161.28	1956.09	3134.99	7147.28	7161.28	2026.92	5590.78	-98.82	2456.81	368.99	6.67	PASS
9925.00†	7160.79	1955.82	3234.98	7146.79	7160.79	2026.92	5590.78	-98.46	2356.87	368.96	6.40	PASS
10025.00†	7160.30	1955.55	3334.98	7146.30	7160.30	2026.92	5590.78	-98.11	2256.93	368.92	6.13	PASS
10125.00†	7159.81	1955.27	3434.98	7145.81	7159.81	2026.92	5590.78	-97.75	2156.99	368.89	5.86	PASS
10225.00†	7159.32	1955.00	3534.98	7145.32	7159.32	2026.92	5590.78	-97.40	2057.06	368.85	5.59	PASS
10325.00†	7158.83	1954.73	3634.98	7144.83	7158.83	2026.92	5590.78	-97.04	1957.13	368.81	5.31	PASS
10425.00†	7158.34	1954.45	3734.98	7144.34	7158.34	2026.92	5590.78	-96.69	1857.22	368.77	5.04	PASS
10525.00†	7157.85	1954.18	3834.97	7143.85	7157.85	2026.92	5590.78	-96.33	1757.31	368.73	4.77	PASS
10625.00†	7157.36	1953.91	3934.97	7143.36	7157.36	2026.92	5590.78	-95.97	1657.41	368.70	4.50	PASS
10725.00†	7156.87	1953.64	4034.97	7142.87	7156.87	2026.92	5590.78	-95.61	1557.53	368.66	4.23	PASS
10825.00†	7156.38	1953.36	4134.97	7142.38	7156.38	2026.92	5590.78	-95.25	1457.67	368.64	3.96	PASS
10925.00†	7155.89	1953.09	4234.97	7141.89	7155.89	2026.92	5590.78	-94.89	1357.82	368.62	3.69	PASS
11025.00†	7155.40	1952.82	4334.97	7141.40	7155.40	2026.92	5590.78	-94.53	1258.00	368.61	3.42	PASS
11125.00†	7154.92	1952.55	4434.96	7140.92	7154.92	2026.92	5590.78	-94.17	1158.20	368.63	3.15	PASS
11225.00†	7154.43	1952.27	4534.96	7140.43	7154.43	2026.92	5590.78	-93.81	1058.45	368.70	2.87	PASS
11325.00†	7153.94	1952.00	4634.96	7139.94	7153.94	2026.92	5590.78	-93.45	958.75	368.83	2.60	PASS
11425.00†	7153.45	1951.73	4734.96	7139.45	7153.45	2026.92	5590.78	-93.09	859.12	369.07	2.33	PASS
11525.00†	7152.96	1951.45	4834.96	7138.96	7152.96	2026.92	5590.78	-92.73	759.58	369.51	2.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 13 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) Well: EX. BARNEY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	7138.47	7152.47	2026.92	5590.78	-92.37	660.18	370.29	1.78	PASS
11725.00†	7151.98	1950.91	5034.96	7137.98	7151.98	2026.92	5590.78	-92.01	561.00	371.72	1.51	PASS
11825.00†	7151.49	1950.64	5134.95	7137.49	7151.49	2026.92	5590.78	-91.65	462.16	374.45	1.23	PASS
11925.00†	7151.00	1950.36	5234.95	7137.00	7151.00	2026.92	5590.78	-91.29	363.97	379.95	0.96	FAIL
12025.00†	7150.51	1950.09	5334.95	7136.51	7150.51	2026.92	5590.78	-90.93	267.12	392.08	0.68	FAIL
12125.00†	7150.02	1949.82	5434.95	7136.02	7150.02	2026.92	5590.78	-90.56	173.86	422.40	0.41	FAIL
12225.00†	7149.53	1949.54	5534.95	7135.53	7149.53	2026.92	5590.78	-90.20	95.42	506.03	0.19	FAIL
12280.59†	7149.26	1949.39	5590.54	7135.60	7149.60	2026.92	5590.78	-90.25	77.53	556.73	0.14	FAIL
12282.08†	7149.25	1949.39	5592.03	7135.25	7149.25	2026.92	5590.78	-90.00	77.54	556.99	0.14	FAIL
12325.00†	7149.04	1949.27	5634.95	7135.04	7149.04	2026.92	5590.78	-89.84	89.33	534.32	0.17	FAIL
12425.00†	7148.55	1949.00	5734.94	7134.55	7148.55	2026.92	5590.78	-89.48	163.88	452.61	0.36	FAIL
12525.00†	7148.06	1948.73	5834.94	7134.06	7148.06	2026.92	5590.78	-89.12	256.38	417.99	0.61	FAIL
12625.00†	7147.57	1948.45	5934.94	7133.57	7147.57	2026.92	5590.78	-88.75	352.99	402.26	0.88	FAIL
12725.00†	7147.08	1948.18	6034.94	7133.08	7147.08	2026.92	5590.78	-88.39	451.09	393.82	1.15	PASS
12825.00†	7146.59	1947.91	6134.94	7132.59	7146.59	2026.92	5590.78	-88.03	549.87	388.73	1.42	PASS
12925.00†	7146.10	1947.63	6234.94	7132.10	7146.10	2026.92	5590.78	-87.67	649.02	385.41	1.69	PASS
13025.00†	7145.61	1947.36	6334.94	7131.61	7145.61	2026.92	5590.78	-87.31	748.40	383.10	1.96	PASS
13125.00†	7145.12	1947.09	6434.93	7131.12	7145.12	2026.92	5590.78	-86.95	847.92	381.43	2.23	PASS
13225.00†	7144.63	1946.82	6534.93	7130.63	7144.63	2026.92	5590.78	-86.59	947.55	380.18	2.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 14 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
0.00	7482.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7482>
			Wellbore EX. BARNEY 1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 1 AWB Offset Wellpath: EX. BARNEY 1 AWP	
MD Reference: Rig on SLOT#02 EX. BARNEY 1 (1300'FSL & 1920'FWL, AB/CODL) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 15 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#07 HOOD 23C-22-M (585'FSL & 1122'FEL SEC.20) Well: HOOD 23C-22-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASS [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14491.53	7153.62	1925.42	8.09	0.24	7384.08	137.66	53.99	PASS
125.00†	125.00	0.00	0.00	14492.38	7153.63	1925.39	8.94	0.27	7287.58	138.99	52.78	PASS
200.00	200.00	0.00	0.00	14493.03	7153.63	1925.37	9.59	0.28	7215.27	139.64	52.01	PASS
225.00†	225.00	0.10	0.03	14493.27	7153.64	1925.37	9.83	-16.15	7191.16	139.86	51.75	PASS
325.00†	324.96	2.62	0.75	14494.84	7153.65	1925.31	11.40	-18.44	7094.21	140.70	50.75	PASS
425.00†	424.77	8.49	2.42	14497.36	7153.67	1925.23	13.92	-21.43	6996.58	141.48	49.77	PASS
525.00†	524.30	17.71	5.06	14499.88	7153.69	1925.15	16.44	-25.50	6898.35	142.17	48.83	PASS
625.00†	623.44	30.26	8.64	14502.02	7153.70	1925.08	18.57	-31.31	6799.61	142.77	47.93	PASS
725.00†	722.07	46.13	13.17	14504.63	7153.72	1925.00	21.18	-39.96	6700.48	143.27	47.06	PASS
825.00†	820.05	65.30	18.64	14507.73	7153.75	1924.91	24.28	-53.31	6601.05	143.68	46.23	PASS
925.00†	917.29	87.74	25.05	14511.32	7153.77	1924.81	27.87	-73.41	6501.43	143.98	45.44	PASS
1025.00†	1013.64	113.44	32.39	14515.42	7153.81	1924.70	31.97	-98.47	6401.74	144.17	44.68	PASS
1067.21	1054.03	125.25	35.76	14517.30	7153.82	1924.65	33.85	-108.65	6359.66	144.22	44.37	PASS
1125.00†	1109.19	141.82	40.49	14519.96	7153.84	1924.58	36.51	-108.67	6302.07	144.27	43.95	PASS
1225.00†	1204.64	170.48	48.68	14524.60	7153.88	1924.47	41.15	-108.72	6202.41	144.36	43.23	PASS
1325.00†	1300.09	199.15	56.86	14529.32	7153.92	1924.37	45.86	-108.76	6102.76	144.46	42.51	PASS
1425.00†	1395.55	227.82	65.05	14534.10	7153.95	1924.28	50.64	-108.81	6003.12	144.56	41.79	PASS
1525.00†	1491.00	256.48	73.23	14538.95	7153.99	1924.19	55.49	-108.85	5903.48	144.66	41.06	PASS
1625.00†	1586.45	285.15	81.42	14543.87	7154.03	1924.11	60.41	-108.90	5803.84	144.77	40.34	PASS
1725.00†	1681.91	313.81	89.60	14548.86	7154.08	1924.04	65.40	-108.94	5704.21	144.88	39.62	PASS
1825.00†	1777.36	342.48	97.79	14553.93	7154.12	1923.97	70.47	-108.99	5604.59	144.79	38.89	PASS
1925.00†	1872.81	371.14	105.97	14559.07	7154.16	1923.92	75.61	-109.04	5504.97	144.91	38.17	PASS
2025.00†	1968.27	399.81	114.15	14564.29	7154.21	1923.87	80.83	-109.09	5405.36	145.03	37.45	PASS
2125.00†	2063.72	428.48	122.34	14569.60	7154.25	1923.84	86.14	-109.13	5305.75	145.15	36.73	PASS
2225.00†	2159.17	457.14	130.52	14574.98	7154.30	1923.81	91.52	-109.18	5206.15	145.27	36.01	PASS
2325.00†	2254.63	485.81	138.71	14580.45	7154.35	1923.80	96.99	-109.23	5106.55	145.40	35.29	PASS
2425.00†	2350.08	514.47	146.89	14586.00	7154.40	1923.80	102.54	-109.28	5006.96	145.54	34.57	PASS
2525.00†	2445.53	543.14	155.08	14591.83	7154.45	1923.81	108.37	-109.34	4907.38	145.68	33.85	PASS
2625.00†	2540.98	571.80	163.26	14597.85	7154.51	1923.82	114.39	-109.39	4807.80	145.83	33.13	PASS
2725.00†	2636.44	600.47	171.45	14603.96	7154.57	1923.84	120.49	-109.45	4708.23	145.98	32.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 16 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#07 HOOD 23C-22-M (585'FSL & 1122'FEL SEC.20) Well: HOOD 23C-22-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASSD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14610.15	7154.64	1923.87	126.69	-109.51	4608.67	146.13	31.69	PASS
2925.00†	2827.34	657.80	187.82	14616.44	7154.70	1923.90	132.98	-109.57	4509.11	146.29	30.97	PASS
3025.00†	2922.80	686.47	196.00	14622.82	7154.77	1923.94	139.35	-109.63	4409.56	146.45	30.25	PASS
3125.00†	3018.25	715.13	204.19	14629.29	7154.85	1923.99	145.82	-109.70	4310.01	146.62	29.53	PASS
3225.00†	3113.70	743.80	212.37	14635.86	7154.93	1924.05	152.39	-109.77	4210.47	146.79	28.82	PASS
3325.00†	3209.16	772.46	220.56	14642.52	7155.01	1924.11	159.06	-109.84	4110.94	146.96	28.10	PASS
3425.00†	3304.61	801.13	228.74	14649.29	7155.10	1924.18	165.82	-109.91	4011.42	147.14	27.39	PASS
3525.00†	3400.06	829.79	236.93	14656.16	7155.19	1924.26	172.69	-109.98	3911.90	147.32	26.68	PASS
3625.00†	3495.52	858.46	245.11	14663.13	7155.29	1924.35	179.66	-110.06	3812.39	147.51	25.96	PASS
3725.00†	3590.97	887.13	253.29	14670.22	7155.39	1924.45	186.75	-110.14	3712.89	147.70	25.25	PASS
3825.00†	3686.42	915.79	261.48	14677.41	7155.49	1924.55	193.94	-110.23	3613.39	147.90	24.54	PASS
3925.00†	3781.88	944.46	269.66	14685.69	7155.62	1924.68	202.21	-110.33	3513.91	148.11	23.83	PASS
4025.00†	3877.33	973.12	277.85	14694.14	7155.75	1924.82	210.66	-110.44	3414.42	148.33	23.13	PASS
4125.00†	3972.78	1001.79	286.03	14702.66	7155.89	1924.96	219.19	-110.55	3314.95	148.54	22.42	PASS
4225.00†	4068.23	1030.45	294.22	14711.28	7156.03	1925.10	227.80	-110.67	3215.47	148.77	21.71	PASS
4325.00†	4163.69	1059.12	302.40	14719.97	7156.17	1925.25	236.49	-110.80	3116.01	148.99	21.01	PASS
4425.00†	4259.14	1087.78	310.59	14728.75	7156.33	1925.40	245.27	-110.93	3016.55	149.21	20.31	PASS
4525.00†	4354.59	1116.45	318.77	14737.62	7156.48	1925.56	254.13	-111.08	2917.09	149.44	19.61	PASS
4625.00†	4450.05	1145.12	326.96	14746.57	7156.65	1925.72	263.08	-111.23	2817.64	149.67	18.91	PASS
4725.00†	4545.50	1173.78	335.14	14755.62	7156.81	1925.88	272.12	-111.40	2718.20	149.89	18.22	PASS
4825.00†	4640.95	1202.45	343.33	14764.75	7156.99	1926.05	281.25	-111.58	2618.76	150.12	17.52	PASS
4925.00†	4736.41	1231.11	351.51	14774.43	7157.17	1926.25	290.93	-111.78	2519.32	150.35	16.83	PASS
5025.00†	4831.86	1259.78	359.70	14784.32	7157.36	1926.48	300.82	-111.99	2419.89	150.59	16.14	PASS
5125.00†	4927.31	1288.44	367.88	14794.28	7157.53	1926.75	310.77	-112.21	2320.47	150.83	15.45	PASS
5225.00†	5022.77	1317.11	376.07	14804.30	7157.70	1927.06	320.78	-112.44	2221.05	151.06	14.77	PASS
5325.00†	5118.22	1345.78	384.25	14814.37	7157.86	1927.41	330.85	-112.68	2121.63	151.30	14.08	PASS
5425.00†	5213.67	1374.44	392.43	14824.52	7158.02	1927.80	340.98	-112.93	2022.21	151.54	13.40	PASS
5525.00†	5309.12	1403.11	400.62	14834.72	7158.17	1928.23	351.17	-113.21	1922.80	151.77	12.72	PASS
5625.00†	5404.58	1431.77	408.80	14844.99	7158.31	1928.71	361.43	-113.49	1823.39	152.00	12.05	PASS
5725.00†	5500.03	1460.44	416.99	14855.32	7158.44	1929.23	371.75	-113.80	1723.99	152.22	11.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 17 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#07 HOOD 23C-22-M (585'FSL & 1122'FEL SEC.20) Well: HOOD 23C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14865.49	7158.57	1929.76	381.90	-114.14	1624.59	152.44	10.70	PASS
5925.00†	5690.94	1517.77	433.36	14875.70	7158.70	1930.31	392.10	-114.51	1525.19	152.64	10.03	PASS
6025.00†	5786.39	1546.43	441.54	14885.99	7158.84	1930.86	402.38	-114.93	1425.81	152.81	9.37	PASS
6125.00†	5881.84	1575.10	449.73	14896.37	7158.98	1931.42	412.74	-115.41	1326.42	152.97	8.71	PASS
6225.00†	5977.30	1603.77	457.91	14906.84	7159.12	1931.99	423.19	-115.97	1227.05	153.09	8.05	PASS
6325.00†	6072.75	1632.43	466.10	14917.40	7159.27	1932.57	433.74	-116.62	1127.68	153.17	7.39	PASS
6425.00†	6168.20	1661.10	474.28	14928.05	7159.43	1933.16	444.37	-117.40	1028.32	153.19	6.74	PASS
6525.00†	6263.66	1689.76	482.47	14938.79	7159.59	1933.76	455.09	-118.33	928.97	153.14	6.09	PASS
6625.00†	6359.11	1718.43	490.65	14949.40	7159.76	1934.35	465.69	-119.46	829.63	152.98	5.44	PASS
6725.00†	6454.56	1747.09	498.84	14959.76	7159.93	1934.94	476.03	-120.81	730.31	152.67	4.80	PASS
6825.00†	6550.01	1775.76	507.02	14970.36	7160.11	1935.56	486.61	-122.56	631.01	152.14	4.16	PASS
6888.88	6610.99	1794.07	512.25	14977.27	7160.24	1935.97	493.50	-123.98	567.59	151.65	3.76	PASS
6925.00†	6645.37	1804.39	516.22	14982.17	7160.33	1936.26	498.39	-128.17	531.88	151.33	3.53	PASS
7025.00†	6738.80	1832.44	537.75	15005.85	7160.82	1937.71	522.02	-142.38	435.23	150.61	2.90	PASS
7125.00†	6827.86	1859.15	574.28	15044.65	7161.73	1940.20	560.73	-151.99	343.83	150.31	2.29	PASS
7225.00†	6910.36	1883.87	624.90	15098.80	7163.11	1943.52	614.76	-157.99	259.89	150.36	1.73	PASS
7325.00†	6984.27	1905.99	688.37	15166.02	7164.90	1947.00	681.86	-162.04	185.35	150.28	1.23	PASS
7425.00†	7047.75	1924.97	763.12	15243.94	7166.96	1949.10	759.73	-165.84	121.67	147.31	0.83	FAIL
7525.00†	7099.27	1940.34	847.32	15329.95	7169.16	1948.72	845.71	-172.24	70.41	135.63	0.52	FAIL
7625.00†	7137.53	1951.72	938.90	15421.96	7171.60	1945.57	937.63	169.69	34.65	155.44	0.22	FAIL
7636.25†	7140.96	1952.73	949.56	15425.00	7171.69	1945.43	940.66	168.66	32.82	168.49	0.19	FAIL
7639.26†	7141.85	1953.00	952.42	15425.00	7171.69	1945.43	940.66	168.63	32.96	170.44	0.19	FAIL
7725.00†	7161.61	1958.83	1035.59	15425.00	7171.69	1945.43	940.66	161.55	96.40	120.69	0.80	FAIL
7825.00†	7170.90	1961.50	1135.02	15425.00	7171.69	1945.43	940.66	105.68	195.02	105.86	1.85	PASS
7840.20	7171.00	1961.51	1150.22	15425.00	7171.69	1945.43	940.66	88.85	210.17	104.97	2.01	PASS
7925.00†	7170.58	1961.28	1235.02	15425.00	7171.69	1945.43	940.66	88.85	294.78	102.41	2.89	PASS
8025.00†	7170.10	1961.00	1335.01	15425.00	7171.69	1945.43	940.66	88.85	394.66	101.49	3.91	PASS
8125.00†	7169.61	1960.73	1435.01	15425.00	7171.69	1945.43	940.66	88.85	494.59	101.22	4.91	PASS
8225.00†	7169.12	1960.46	1535.01	15425.00	7171.69	1945.43	940.66	88.85	594.55	101.16	5.91	PASS
8325.00†	7168.63	1960.18	1635.01	15425.00	7171.69	1945.43	940.66	88.85	694.51	101.18	6.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 18 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#07 HOOD 23C-22-M (585'FSL & 1122'FEL SEC.20) Well: HOOD 23C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8425.00†	7168.14	1959.91	1735.01	15425.00	7171.69	1945.43	940.66	88.85	794.49	101.23	7.90	PASS
8525.00†	7167.65	1959.64	1835.01	15425.00	7171.69	1945.43	940.66	88.85	894.47	101.30	8.89	PASS
8625.00†	7167.16	1959.37	1935.00	15425.00	7171.69	1945.43	940.66	88.85	994.45	101.37	9.87	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1761.00	1736.00	10.00	1744.45	752.26	-4936.89	759.97	-4930.13
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1744.45	752.26	-4936.89	759.97	-4930.13
8.5in Open Hole	1761.00	15425.00	13664.00	1744.45	7171.69	759.97	-4930.13	968.60	-2181.60

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 23C-22-M AWB
1712.00	15401.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5 (IFR, SHORT, ROCKIES GT)<1793-15401>	HOOD 23C-22-M AWB
15401.00	15425.00	Blind Drilling (std)	Projection to bit	HOOD 23C-22-M AWB



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 19 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-22-M AWP**

MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 20 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL) Well: EX. CARBODY LAKE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASSD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-3.00	25.00	2090.74	3827.08	61.35	4360.94	25.57	177.22	PASS
125.00†	125.00	0.00	0.00	97.00	125.00	2090.74	3827.08	61.35	4360.94	50.37	88.25	PASS
200.00	200.00	0.00	0.00	172.00	200.00	2090.74	3827.08	61.35	4360.94	51.05	87.04	PASS
225.00†	225.00	0.10	0.03	197.00	225.00	2090.74	3827.08	45.42	4360.86	51.29	86.63	PASS
325.00†	324.96	2.62	0.75	296.96	324.96	2090.74	3827.08	45.47	4359.02	52.94	83.85	PASS
425.00†	424.77	8.49	2.42	396.77	424.77	2090.74	3827.08	45.59	4354.74	55.21	80.27	PASS
525.00†	524.30	17.71	5.06	496.30	524.30	2090.74	3827.08	45.77	4348.03	57.95	76.29	PASS
625.00†	623.44	30.26	8.64	595.44	623.44	2090.74	3827.08	46.03	4338.91	61.05	72.20	PASS
725.00†	722.07	46.13	13.17	694.07	722.07	2090.74	3827.08	46.35	4327.40	64.42	68.18	PASS
825.00†	820.05	65.30	18.64	792.05	820.05	2090.74	3827.08	46.75	4313.54	67.99	64.34	PASS
925.00†	917.29	87.74	25.05	889.29	917.29	2090.74	3827.08	47.21	4297.38	71.71	60.73	PASS
1025.00†	1013.64	113.44	32.39	985.64	1013.64	2090.74	3827.08	47.74	4278.95	75.54	57.36	PASS
1067.21	1054.03	125.25	35.76	1026.03	1054.03	2090.74	3827.08	47.99	4270.51	77.18	56.02	PASS
1125.00†	1109.19	141.82	40.49	1081.19	1109.19	2090.74	3827.08	48.16	4258.70	79.44	54.25	PASS
1225.00†	1204.64	170.48	48.68	1176.64	1204.64	2090.74	3827.08	48.45	4238.37	83.43	51.38	PASS
1325.00†	1300.09	199.15	56.86	1272.09	1300.09	2090.74	3827.08	48.75	4218.14	87.51	48.73	PASS
1425.00†	1395.55	227.82	65.05	1367.55	1395.55	2090.74	3827.08	49.04	4198.02	91.65	46.28	PASS
1525.00†	1491.00	256.48	73.23	1463.00	1491.00	2090.74	3827.08	49.35	4178.03	95.87	44.01	PASS
1625.00†	1586.45	285.15	81.42	1558.45	1586.45	2090.74	3827.08	49.65	4158.15	100.14	41.92	PASS
1725.00†	1681.91	313.81	89.60	1653.91	1681.91	2090.74	3827.08	49.96	4138.39	104.46	39.98	PASS
1825.00†	1777.36	342.48	97.79	1749.36	1777.36	2090.74	3827.08	50.26	4118.75	108.44	38.22	PASS
1925.00†	1872.81	371.14	105.97	1844.81	1872.81	2090.74	3827.08	50.58	4099.23	112.56	36.64	PASS
2025.00†	1968.27	399.81	114.15	1940.27	1968.27	2090.74	3827.08	50.89	4079.84	116.71	35.16	PASS
2125.00†	2063.72	428.48	122.34	2035.72	2063.72	2090.74	3827.08	51.21	4060.57	120.90	33.78	PASS
2225.00†	2159.17	457.14	130.52	2131.17	2159.17	2090.74	3827.08	51.53	4041.44	125.11	32.48	PASS
2325.00†	2254.63	485.81	138.71	2226.63	2254.63	2090.74	3827.08	51.85	4022.43	129.34	31.27	PASS
2425.00†	2350.08	514.47	146.89	2322.08	2350.08	2090.74	3827.08	52.18	4003.55	133.60	30.12	PASS
2525.00†	2445.53	543.14	155.08	2417.53	2445.53	2090.74	3827.08	52.51	3984.81	137.88	29.04	PASS
2625.00†	2540.98	571.80	163.26	2512.98	2540.98	2090.74	3827.08	52.84	3966.20	142.18	28.03	PASS
2725.00†	2636.44	600.47	171.45	2608.44	2636.44	2090.74	3827.08	53.17	3947.73	146.51	27.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 21 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL) Well: EX. CARBODY LAKE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2703.89	2731.89	2090.74	3827.08	53.51	3929.40	150.85	26.17	PASS
2925.00†	2827.34	657.80	187.82	2799.34	2827.34	2090.74	3827.08	53.85	3911.21	155.21	25.31	PASS
3025.00†	2922.80	686.47	196.00	2894.80	2922.80	2090.74	3827.08	54.20	3893.17	159.59	24.50	PASS
3125.00†	3018.25	715.13	204.19	2990.25	3018.25	2090.74	3827.08	54.54	3875.27	163.99	23.73	PASS
3225.00†	3113.70	743.80	212.37	3085.70	3113.70	2090.74	3827.08	54.89	3857.51	168.40	23.00	PASS
3325.00†	3209.16	772.46	220.56	3181.16	3209.16	2090.74	3827.08	55.25	3839.91	172.83	22.30	PASS
3425.00†	3304.61	801.13	228.74	3276.61	3304.61	2090.74	3827.08	55.60	3822.46	177.28	21.64	PASS
3525.00†	3400.06	829.79	236.93	3372.06	3400.06	2090.74	3827.08	55.96	3805.16	181.74	21.02	PASS
3625.00†	3495.52	858.46	245.11	3467.52	3495.52	2090.74	3827.08	56.32	3788.01	186.21	20.42	PASS
3725.00†	3590.97	887.13	253.29	3562.97	3590.97	2090.74	3827.08	56.69	3771.03	190.70	19.84	PASS
3825.00†	3686.42	915.79	261.48	3658.42	3686.42	2090.74	3827.08	57.06	3754.20	195.20	19.30	PASS
3925.00†	3781.88	944.46	269.66	3753.88	3781.88	2090.74	3827.08	57.43	3737.54	199.71	18.78	PASS
4025.00†	3877.33	973.12	277.85	3849.33	3877.33	2090.74	3827.08	57.80	3721.04	204.24	18.28	PASS
4125.00†	3972.78	1001.79	286.03	3944.78	3972.78	2090.74	3827.08	58.18	3704.71	208.77	17.80	PASS
4225.00†	4068.23	1030.45	294.22	4040.23	4068.23	2090.74	3827.08	58.56	3688.54	213.32	17.35	PASS
4325.00†	4163.69	1059.12	302.40	4135.69	4163.69	2090.74	3827.08	58.94	3672.55	217.88	16.91	PASS
4425.00†	4259.14	1087.78	310.59	4231.14	4259.14	2090.74	3827.08	59.33	3656.73	222.45	16.49	PASS
4525.00†	4354.59	1116.45	318.77	4326.59	4354.59	2090.74	3827.08	59.72	3641.08	227.04	16.08	PASS
4625.00†	4450.05	1145.12	326.96	4422.05	4450.05	2090.74	3827.08	60.11	3625.62	231.63	15.70	PASS
4725.00†	4545.50	1173.78	335.14	4517.50	4545.50	2090.74	3827.08	60.51	3610.33	236.23	15.33	PASS
4825.00†	4640.95	1202.45	343.33	4612.95	4640.95	2090.74	3827.08	60.91	3595.22	240.84	14.97	PASS
4925.00†	4736.41	1231.11	351.51	4708.41	4736.41	2090.74	3827.08	61.31	3580.30	245.46	14.63	PASS
5025.00†	4831.86	1259.78	359.70	4803.86	4831.86	2090.74	3827.08	61.72	3565.57	250.08	14.30	PASS
5125.00†	4927.31	1288.44	367.88	4899.31	4927.31	2090.74	3827.08	62.12	3551.02	254.72	13.98	PASS
5225.00†	5022.77	1317.11	376.07	4994.77	5022.77	2090.74	3827.08	62.54	3536.67	259.36	13.67	PASS
5325.00†	5118.22	1345.78	384.25	5090.22	5118.22	2090.74	3827.08	62.95	3522.51	264.01	13.38	PASS
5425.00†	5213.67	1374.44	392.43	5185.67	5213.67	2090.74	3827.08	63.37	3508.55	268.67	13.09	PASS
5525.00†	5309.12	1403.11	400.62	5281.12	5309.12	2090.74	3827.08	63.79	3494.78	273.34	12.82	PASS
5625.00†	5404.58	1431.77	408.80	5376.58	5404.58	2090.74	3827.08	64.21	3481.22	278.01	12.55	PASS
5725.00†	5500.03	1460.44	416.99	5472.03	5500.03	2090.74	3827.08	64.64	3467.86	282.69	12.30	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 22 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP												
Facility: SEC.23-T06N-R66W			Slot: SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL)			Well: EX. CARBODY LAKE 1-23		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5567.48	5595.48	2090.74	3827.08	65.07	3454.70	287.38	12.05	PASS
5925.00†	5690.94	1517.77	433.36	5662.94	5690.94	2090.74	3827.08	65.50	3441.75	292.07	11.81	PASS
6025.00†	5786.39	1546.43	441.54	5758.39	5786.39	2090.74	3827.08	65.94	3429.02	296.77	11.58	PASS
6125.00†	5881.84	1575.10	449.73	5853.84	5881.84	2090.74	3827.08	66.38	3416.49	301.48	11.36	PASS
6225.00†	5977.30	1603.77	457.91	5949.30	5977.30	2090.74	3827.08	66.82	3404.18	306.19	11.14	PASS
6325.00†	6072.75	1632.43	466.10	6044.75	6072.75	2090.74	3827.08	67.27	3392.09	310.90	10.93	PASS
6425.00†	6168.20	1661.10	474.28	6140.20	6168.20	2090.74	3827.08	67.71	3380.22	315.62	10.73	PASS
6525.00†	6263.66	1689.76	482.47	6235.66	6263.66	2090.74	3827.08	68.16	3368.57	320.35	10.54	PASS
6625.00†	6359.11	1718.43	490.65	6331.11	6359.11	2090.74	3827.08	68.62	3357.14	325.08	10.35	PASS
6725.00†	6454.56	1747.09	498.84	6426.56	6454.56	2090.74	3827.08	69.08	3345.94	329.82	10.16	PASS
6825.00†	6550.01	1775.76	507.02	6522.01	6550.01	2090.74	3827.08	69.53	3334.97	334.56	9.99	PASS
6888.88	6610.99	1794.07	512.25	6582.99	6610.99	2090.74	3827.08	69.83	3328.08	337.59	9.88	PASS
6925.00†	6645.37	1804.39	516.22	6617.37	6645.37	2090.74	3827.08	70.48	3323.22	339.30	9.81	PASS
7025.00†	6738.80	1832.44	537.75	6710.80	6738.80	2090.74	3827.08	41.30	3299.46	344.21	9.60	PASS
7125.00†	6827.86	1859.15	574.28	6799.86	6827.86	2090.74	3827.08	30.04	3261.04	349.41	9.35	PASS
7225.00†	6910.36	1883.87	624.90	6882.36	6910.36	2090.74	3827.08	23.23	3208.86	354.18	9.08	PASS
7325.00†	6984.27	1905.99	688.37	6956.27	6984.27	2090.74	3827.08	18.77	3144.15	358.41	8.79	PASS
7425.00†	7047.75	1924.97	763.12	7019.75	7047.75	2090.74	3827.08	15.50	3068.44	362.00	8.49	PASS
7525.00†	7099.27	1940.34	847.32	7071.27	7099.27	2090.74	3827.08	12.62	2983.55	364.86	8.19	PASS
7625.00†	7137.53	1951.72	938.90	7109.53	7137.53	2090.74	3827.08	9.05	2891.53	366.94	7.89	PASS
7725.00†	7161.61	1958.83	1035.59	7133.61	7161.61	2090.74	3827.08	0.89	2794.61	368.20	7.60	PASS
7825.00†	7170.90	1961.50	1135.02	7142.90	7170.90	2090.74	3827.08	-67.72	2695.17	368.66	7.32	PASS
7840.20	7171.00	1961.51	1150.22	7143.00	7171.00	2090.74	3827.08	-95.48	2679.98	368.65	7.28	PASS
7925.00†	7170.58	1961.28	1235.02	7142.58	7170.58	2090.74	3827.08	-95.31	2595.30	368.59	7.05	PASS
8025.00†	7170.10	1961.00	1335.01	7142.10	7170.10	2090.74	3827.08	-95.11	2495.44	368.52	6.78	PASS
8125.00†	7169.61	1960.73	1435.01	7141.61	7169.61	2090.74	3827.08	-94.90	2395.60	368.44	6.51	PASS
8225.00†	7169.12	1960.46	1535.01	7141.12	7169.12	2090.74	3827.08	-94.70	2295.77	368.36	6.24	PASS
8325.00†	7168.63	1960.18	1635.01	7140.63	7168.63	2090.74	3827.08	-94.49	2195.96	368.28	5.97	PASS
8425.00†	7168.14	1959.91	1735.01	7140.14	7168.14	2090.74	3827.08	-94.29	2096.16	368.20	5.70	PASS
8525.00†	7167.65	1959.64	1835.01	7139.65	7167.65	2090.74	3827.08	-94.09	1996.39	368.11	5.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 23 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL) Well: EX. CARBODY LAKE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7139.16	7167.16	2090.74	3827.08	-93.88	1896.63	368.02	5.16	PASS
8725.00†	7166.67	1959.09	2035.00	7138.67	7166.67	2090.74	3827.08	-93.68	1796.91	367.93	4.89	PASS
8825.00†	7166.18	1958.82	2135.00	7138.18	7166.18	2090.74	3827.08	-93.47	1697.22	367.84	4.62	PASS
8925.00†	7165.69	1958.55	2235.00	7137.69	7165.69	2090.74	3827.08	-93.27	1597.56	367.75	4.35	PASS
9025.00†	7165.20	1958.27	2335.00	7137.20	7165.20	2090.74	3827.08	-93.06	1497.95	367.67	4.08	PASS
9125.00†	7164.71	1958.00	2435.00	7136.71	7164.71	2090.74	3827.08	-92.86	1398.40	367.59	3.81	PASS
9225.00†	7164.22	1957.73	2534.99	7136.22	7164.22	2090.74	3827.08	-92.65	1298.92	367.52	3.54	PASS
9325.00†	7163.73	1957.46	2634.99	7135.73	7163.73	2090.74	3827.08	-92.45	1199.52	367.48	3.27	PASS
9425.00†	7163.24	1957.18	2734.99	7135.24	7163.24	2090.74	3827.08	-92.24	1100.23	367.48	3.00	PASS
9525.00†	7162.75	1956.91	2834.99	7134.75	7162.75	2090.74	3827.08	-92.04	1001.08	367.55	2.73	PASS
9625.00†	7162.26	1956.64	2934.99	7134.26	7162.26	2090.74	3827.08	-91.83	902.12	367.72	2.46	PASS
9725.00†	7161.77	1956.36	3034.99	7133.77	7161.77	2090.74	3827.08	-91.63	803.41	368.10	2.18	PASS
9825.00†	7161.28	1956.09	3134.99	7133.28	7161.28	2090.74	3827.08	-91.42	705.07	368.81	1.91	PASS
9925.00†	7160.79	1955.82	3234.98	7132.79	7160.79	2090.74	3827.08	-91.22	607.28	370.14	1.64	PASS
10025.00†	7160.30	1955.55	3334.98	7132.30	7160.30	2090.74	3827.08	-91.01	510.33	372.63	1.37	PASS
10125.00†	7159.81	1955.27	3434.98	7131.81	7159.81	2090.74	3827.08	-90.81	414.84	377.41	1.10	PASS
10225.00†	7159.32	1955.00	3534.98	7131.32	7159.32	2090.74	3827.08	-90.60	322.10	386.93	0.83	FAIL
10325.00†	7158.83	1954.73	3634.98	7130.83	7158.83	2090.74	3827.08	-90.39	235.38	406.42	0.58	FAIL
10425.00†	7158.34	1954.45	3734.98	7130.34	7158.34	2090.74	3827.08	-90.19	164.49	443.74	0.37	FAIL
10516.77†	7157.89	1954.20	3826.74	7130.02	7158.02	2090.74	3827.08	-90.05	136.54	477.20	0.29	FAIL
10520.55†	7157.88	1954.19	3830.53	7129.88	7157.88	2090.74	3827.08	-89.99	136.59	477.63	0.28	FAIL
10525.00†	7157.85	1954.18	3834.97	7129.85	7157.85	2090.74	3827.08	-89.98	136.79	477.99	0.29	FAIL
10625.00†	7157.36	1953.91	3934.97	7129.36	7157.36	2090.74	3827.08	-89.78	174.25	457.33	0.38	FAIL
10725.00†	7156.87	1953.64	4034.97	7128.87	7156.87	2090.74	3827.08	-89.57	249.03	428.57	0.58	FAIL
10825.00†	7156.38	1953.36	4134.97	7128.38	7156.38	2090.74	3827.08	-89.37	337.15	411.02	0.82	FAIL
10925.00†	7155.89	1953.09	4234.97	7127.89	7155.89	2090.74	3827.08	-89.16	430.49	400.64	1.07	PASS
11025.00†	7155.40	1952.82	4334.97	7127.40	7155.40	2090.74	3827.08	-88.96	526.28	394.10	1.34	PASS
11125.00†	7154.92	1952.55	4434.96	7126.92	7154.92	2090.74	3827.08	-88.75	623.39	389.73	1.60	PASS
11225.00†	7154.43	1952.27	4534.96	7126.43	7154.43	2090.74	3827.08	-88.55	721.30	386.66	1.87	PASS
11325.00†	7153.94	1952.00	4634.96	7125.94	7153.94	2090.74	3827.08	-88.34	819.71	384.40	2.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 24 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL) Well: EX. CARBODY LAKE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11425.00†	7153.45	1951.73	4734.96	7125.45	7153.45	2090.74	3827.08	-88.13	918.46	382.70	2.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7258.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7258>	EX. CARBODY LAKE 1-23 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. CARBODY LAKE 1-23 AWB Offset Wellpath: EX. CARBODY LAKE 1-23 AWP**

MD Reference: Rig on SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 25 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASH [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	0.00	25.00	972.54	5173.96	79.35	5264.57	50.17	106.98	PASS
125.00†	125.00	0.00	0.00	106.91	131.91	972.26	5173.94	79.36	5264.50	50.17	106.97	PASS
200.00	200.00	0.00	0.00	188.75	213.75	971.82	5173.86	79.36	5264.36	50.18	106.94	PASS
225.00†	225.00	0.10	0.03	218.27	243.27	971.65	5173.80	63.43	5264.23	50.18	106.93	PASS
325.00†	324.96	2.62	0.75	324.71	349.70	971.28	5173.32	63.49	5262.54	50.21	106.84	PASS
425.00†	424.77	8.49	2.42	396.76	421.75	971.39	5173.15	63.58	5259.61	50.25	106.70	PASS
525.00†	524.30	17.71	5.06	450.07	475.07	971.64	5173.36	63.70	5255.83	50.29	106.54	PASS
625.00†	623.44	30.26	8.64	504.88	529.86	972.02	5174.07	63.85	5251.42	50.34	106.34	PASS
725.00†	722.07	46.13	13.17	618.91	643.88	973.31	5175.79	64.12	5245.80	50.43	106.03	PASS
825.00†	820.05	65.30	18.64	791.22	816.14	976.82	5176.58	64.57	5237.87	50.55	105.60	PASS
925.00†	917.29	87.74	25.05	926.39	951.29	979.32	5175.52	65.05	5227.18	50.70	105.08	PASS
1025.00†	1013.64	113.44	32.39	996.80	1021.70	979.67	5175.18	65.45	5215.23	50.86	104.51	PASS
1067.21	1054.03	125.25	35.76	1045.18	1070.08	979.75	5175.06	65.69	5209.87	50.94	104.22	PASS
1125.00†	1109.19	141.82	40.49	1113.72	1138.62	980.02	5174.71	65.89	5202.27	51.07	103.81	PASS
1225.00†	1204.64	170.48	48.68	1227.81	1252.70	980.45	5173.78	66.23	5188.93	51.31	103.04	PASS
1325.00†	1300.09	199.15	56.86	1369.72	1394.59	981.18	5171.84	66.66	5175.28	51.60	102.18	PASS
1425.00†	1395.55	227.82	65.05	1629.21	1653.56	992.19	5161.08	67.32	5159.50	51.96	101.16	PASS
1525.00†	1491.00	256.48	73.23	1719.32	1743.14	999.95	5155.34	67.51	5142.38	52.31	100.14	PASS
1625.00†	1586.45	285.15	81.42	1777.05	1800.44	1006.06	5151.83	67.61	5125.87	52.68	99.10	PASS
1725.00†	1681.91	313.81	89.60	1833.45	1856.31	1013.07	5148.70	67.71	5110.17	53.08	98.03	PASS
1825.00†	1777.36	342.48	97.79	1889.24	1911.35	1021.69	5145.84	67.78	5095.31	53.07	97.30	PASS
1925.00†	1872.81	371.14	105.97	2203.48	2217.19	1089.31	5122.23	67.98	5079.09	53.23	96.68	PASS
2025.00†	1968.27	399.81	114.15	2272.61	2284.09	1105.38	5115.53	68.01	5060.77	53.34	96.15	PASS
2125.00†	2063.72	428.48	122.34	2410.34	2417.59	1136.61	5102.38	68.07	5042.56	53.46	95.57	PASS
2225.00†	2159.17	457.14	130.52	2524.22	2527.82	1162.70	5090.68	68.12	5023.63	53.61	94.96	PASS
2325.00†	2254.63	485.81	138.71	2637.45	2637.24	1189.19	5078.52	68.16	5004.28	53.76	94.31	PASS
2425.00†	2350.08	514.47	146.89	2766.16	2761.34	1220.19	5064.36	68.20	4984.84	53.94	93.63	PASS
2525.00†	2445.53	543.14	155.08	2873.59	2864.84	1246.09	5051.71	68.23	4964.57	54.13	92.91	PASS
2625.00†	2540.98	571.80	163.26	2944.08	2932.81	1262.93	5043.62	68.25	4944.60	54.34	92.19	PASS
2725.00†	2636.44	600.47	171.45	3011.54	2997.87	1279.17	5036.34	68.27	4925.29	54.55	91.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 26 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	3106.95	3089.87	1302.36	5026.27	68.30	4906.25	54.79	90.70	PASS
2925.00†	2827.34	657.80	187.82	3175.79	3156.43	1318.52	5019.32	68.32	4887.56	55.04	89.95	PASS
3025.00†	2922.80	686.47	196.00	3245.52	3224.11	1333.97	5012.81	68.36	4869.46	55.29	89.20	PASS
3125.00†	3018.25	715.13	204.19	3341.22	3317.11	1354.95	5004.40	68.42	4851.88	55.58	88.42	PASS
3225.00†	3113.70	743.80	212.37	3508.58	3479.54	1391.76	4987.97	68.52	4833.22	55.91	87.54	PASS
3325.00†	3209.16	772.46	220.56	3554.90	3524.50	1401.93	4983.40	68.55	4814.60	56.21	86.73	PASS
3425.00†	3304.61	801.13	228.74	3611.85	3579.81	1414.53	4978.42	68.58	4797.03	56.52	85.93	PASS
3525.00†	3400.06	829.79	236.93	3902.45	3859.90	1485.31	4947.37	68.66	4778.01	57.00	84.86	PASS
3625.00†	3495.52	858.46	245.11	4024.13	3975.92	1518.11	4931.07	68.65	4756.49	57.39	83.90	PASS
3725.00†	3590.97	887.13	253.29	4109.91	4057.81	1540.91	4919.55	68.65	4734.90	57.78	82.96	PASS
3825.00†	3686.42	915.79	261.48	4177.50	4122.60	1558.13	4910.87	68.66	4713.78	58.16	82.04	PASS
3925.00†	3781.88	944.46	269.66	4247.05	4189.50	1575.15	4902.46	68.68	4693.27	58.56	81.12	PASS
4025.00†	3877.33	973.12	277.85	4313.32	4253.38	1591.08	4894.87	68.70	4673.34	58.96	80.21	PASS
4125.00†	3972.78	1001.79	286.03	4366.77	4304.99	1603.79	4889.22	68.72	4654.26	59.37	79.33	PASS
4225.00†	4068.23	1030.45	294.22	4435.60	4371.54	1620.10	4882.61	68.75	4636.05	59.80	78.45	PASS
4325.00†	4163.69	1059.12	302.40	4565.22	4496.68	1651.46	4870.12	68.79	4617.99	60.29	77.50	PASS
4425.00†	4259.14	1087.78	310.59	4669.59	4597.51	1676.14	4859.32	68.83	4599.09	60.77	76.56	PASS
4525.00†	4354.59	1116.45	318.77	4761.48	4686.41	1697.49	4850.04	68.87	4580.40	61.25	75.64	PASS
4625.00†	4450.05	1145.12	326.96	4860.93	4782.78	1719.94	4840.10	68.93	4561.75	61.75	74.72	PASS
4725.00†	4545.50	1173.78	335.14	4953.18	4872.32	1740.12	4830.95	68.99	4543.11	62.25	73.81	PASS
4825.00†	4640.95	1202.45	343.33	5035.06	4951.68	1758.63	4822.97	69.04	4524.72	62.76	72.91	PASS
4925.00†	4736.41	1231.11	351.51	5107.54	5021.96	1775.07	4816.23	69.08	4506.79	63.26	72.04	PASS
5025.00†	4831.86	1259.78	359.70	5158.15	5071.23	1785.83	4812.04	69.12	4489.70	63.75	71.20	PASS
5125.00†	4927.31	1288.44	367.88	5214.03	5125.96	1796.42	4808.16	69.18	4473.65	64.26	70.39	PASS
5225.00†	5022.77	1317.11	376.07	5294.98	5205.57	1810.17	4803.18	69.29	4458.24	64.79	69.56	PASS
5325.00†	5118.22	1345.78	384.25	5361.74	5271.46	1820.31	4799.56	69.40	4443.38	65.31	68.77	PASS
5425.00†	5213.67	1374.44	392.43	5427.23	5336.27	1829.23	4796.59	69.52	4429.27	65.84	68.00	PASS
5525.00†	5309.12	1403.11	400.62	5492.21	5400.74	1836.97	4794.24	69.66	4415.94	66.36	67.25	PASS
5625.00†	5404.58	1431.77	408.80	5580.05	5488.16	1845.23	4791.72	69.87	4403.17	66.92	66.49	PASS
5725.00†	5500.03	1460.44	416.99	5663.43	5571.32	1850.77	4789.72	70.10	4390.70	67.47	65.76	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 27 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5746.24	5654.00	1855.29	4788.11	70.35	4378.67	68.03	65.03	PASS
5925.00†	5690.94	1517.77	433.36	5847.51	5755.17	1859.31	4786.48	70.67	4366.97	68.62	64.29	PASS
6025.00†	5786.39	1546.43	441.54	5956.47	5864.10	1860.77	4784.49	71.06	4355.00	69.25	63.53	PASS
6125.00†	5881.84	1575.10	449.73	6043.39	5951.00	1860.32	4783.02	71.39	4343.22	69.86	62.80	PASS
6225.00†	5977.30	1603.77	457.91	6130.08	6037.68	1859.77	4781.80	71.72	4331.88	70.48	62.08	PASS
6325.00†	6072.75	1632.43	466.10	6226.62	6134.21	1859.27	4780.44	72.09	4320.74	71.13	61.35	PASS
6425.00†	6168.20	1661.10	474.28	6321.10	6228.69	1859.25	4779.15	72.45	4309.85	71.78	60.63	PASS
6525.00†	6263.66	1689.76	482.47	6422.31	6329.88	1859.58	4777.55	72.83	4298.95	72.46	59.91	PASS
6625.00†	6359.11	1718.43	490.65	6496.72	6404.28	1859.99	4776.57	73.11	4288.50	73.09	59.24	PASS
6725.00†	6454.56	1747.09	498.84	6591.94	6499.50	1860.59	4775.56	73.47	4278.47	73.76	58.55	PASS
6825.00†	6550.01	1775.76	507.02	6686.30	6593.85	1861.35	4774.56	73.82	4268.63	74.44	57.89	PASS
6888.88	6610.99	1794.07	512.25	6765.85	6673.39	1862.22	4773.59	74.11	4262.34	74.91	57.43	PASS
6925.00†	6645.37	1804.39	516.22	6818.59	6726.11	1862.81	4772.71	74.83	4257.65	75.20	57.15	PASS
7025.00†	6738.80	1832.44	537.75	7002.76	6910.17	1866.13	4767.24	74.07	4233.09	76.31	55.98	PASS
7125.00†	6827.86	1859.15	574.28	7111.10	7018.39	1868.07	4762.54	73.14	4192.60	77.80	54.38	PASS
7225.00†	6910.36	1883.87	624.90	7186.00	7093.21	1868.93	4759.18	72.77	4138.35	79.09	52.79	PASS
7325.00†	6984.27	1905.99	688.37	7255.80	7162.93	1869.62	4756.12	72.07	4071.84	80.22	51.20	PASS
7425.00†	7047.75	1924.97	763.12	7315.47	7222.55	1870.26	4753.51	73.09	3994.59	81.15	49.65	PASS
7525.00†	7099.27	1940.34	847.32	7362.38	7269.41	1870.79	4751.47	72.51	3908.47	81.89	48.14	PASS
7625.00†	7137.53	1951.72	938.90	7396.03	7303.03	1871.18	4750.02	73.78	3815.56	82.41	46.69	PASS
7725.00†	7161.61	1958.83	1035.59	7403.16	7310.15	1871.26	4749.71	72.87	3718.13	82.87	45.25	PASS
7825.00†	7170.90	1961.50	1135.02	7404.25	7311.24	1871.27	4749.67	125.62	3618.50	83.04	43.94	PASS
7840.20	7171.00	1961.51	1150.22	7404.15	7311.14	1871.27	4749.68	152.99	3603.32	83.05	43.75	PASS
7925.00†	7170.58	1961.28	1235.02	7403.38	7310.37	1871.26	4749.71	152.88	3518.62	83.05	42.72	PASS
8025.00†	7170.10	1961.00	1335.01	7402.44	7309.43	1871.25	4749.74	152.73	3418.75	83.05	41.51	PASS
8125.00†	7169.61	1960.73	1435.01	7401.46	7308.45	1871.24	4749.78	152.58	3318.89	83.05	40.30	PASS
8225.00†	7169.12	1960.46	1535.01	7400.42	7307.42	1871.23	4749.83	152.42	3219.03	83.04	39.09	PASS
8325.00†	7168.63	1960.18	1635.01	7397.15	7304.15	1871.19	4749.97	151.90	3119.18	83.07	37.86	PASS
8425.00†	7168.14	1959.91	1735.01	7392.43	7299.43	1871.14	4750.17	151.12	3019.33	83.12	36.63	PASS
8525.00†	7167.65	1959.64	1835.01	7387.70	7294.70	1871.08	4750.38	150.30	2919.48	83.18	35.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 28 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7382.96	7289.97	1871.03	4750.58	149.44	2819.64	83.24	34.15	PASS
8725.00†	7166.67	1959.09	2035.00	7378.22	7285.23	1870.97	4750.79	148.53	2719.80	83.31	32.92	PASS
8825.00†	7166.18	1958.82	2135.00	7373.47	7280.49	1870.92	4750.99	147.57	2619.96	83.39	31.68	PASS
8925.00†	7165.69	1958.55	2235.00	7368.72	7275.75	1870.86	4751.20	146.56	2520.13	83.47	30.44	PASS
9025.00†	7165.20	1958.27	2335.00	7363.96	7270.99	1870.81	4751.40	145.49	2420.30	83.57	29.20	PASS
9125.00†	7164.71	1958.00	2435.00	7359.20	7266.24	1870.75	4751.61	144.36	2320.48	83.67	27.96	PASS
9225.00†	7164.22	1957.73	2534.99	7354.43	7261.47	1870.70	4751.82	143.16	2220.66	83.78	26.72	PASS
9325.00†	7163.73	1957.46	2634.99	7349.66	7256.70	1870.64	4752.02	141.90	2120.85	83.91	25.48	PASS
9425.00†	7163.24	1957.18	2734.99	7344.88	7251.93	1870.59	4752.23	140.56	2021.04	84.05	24.24	PASS
9525.00†	7162.75	1956.91	2834.99	7340.10	7247.15	1870.54	4752.44	139.13	1921.25	84.21	23.00	PASS
9625.00†	7162.26	1956.64	2934.99	7335.31	7242.36	1870.48	4752.65	137.63	1821.46	84.39	21.76	PASS
9725.00†	7161.77	1956.36	3034.99	7330.51	7237.57	1870.43	4752.86	136.03	1721.69	84.59	20.52	PASS
9825.00†	7161.28	1956.09	3134.99	7325.71	7232.78	1870.37	4753.06	134.33	1621.92	84.82	19.28	PASS
9925.00†	7160.79	1955.82	3234.98	7320.90	7227.97	1870.32	4753.27	132.53	1522.18	85.08	18.03	PASS
10025.00†	7160.30	1955.55	3334.98	7316.09	7223.17	1870.27	4753.48	130.61	1422.45	85.39	16.79	PASS
10125.00†	7159.81	1955.27	3434.98	7311.27	7218.35	1870.21	4753.69	128.59	1322.75	85.76	15.54	PASS
10225.00†	7159.32	1955.00	3534.98	7306.45	7213.53	1870.16	4753.90	126.44	1223.08	86.19	14.30	PASS
10325.00†	7158.83	1954.73	3634.98	7301.62	7208.71	1870.11	4754.12	124.16	1123.44	86.72	13.05	PASS
10425.00†	7158.34	1954.45	3734.98	7296.77	7203.86	1870.05	4754.33	121.75	1023.85	87.37	11.81	PASS
10525.00†	7157.85	1954.18	3834.97	7291.91	7199.01	1870.00	4754.54	119.21	924.33	88.20	10.56	PASS
10625.00†	7157.36	1953.91	3934.97	7287.05	7194.15	1869.95	4754.75	116.53	824.89	89.27	9.31	PASS
10725.00†	7156.87	1953.64	4034.97	7282.18	7189.29	1869.89	4754.96	113.73	725.57	90.71	8.05	PASS
10825.00†	7156.38	1953.36	4134.97	7277.32	7184.43	1869.84	4755.18	110.80	626.43	92.72	6.80	PASS
10925.00†	7155.89	1953.09	4234.97	7272.45	7179.57	1869.79	4755.39	107.76	527.58	95.69	5.55	PASS
11025.00†	7155.40	1952.82	4334.97	7267.58	7174.71	1869.74	4755.60	104.61	429.20	100.36	4.30	PASS
11125.00†	7154.92	1952.55	4434.96	7262.71	7169.84	1869.69	4755.82	101.38	331.71	108.43	3.07	PASS
11225.00†	7154.43	1952.27	4534.96	7257.84	7164.97	1869.64	4756.03	98.07	236.24	124.21	1.91	PASS
11325.00†	7153.94	1952.00	4634.96	7252.96	7160.10	1869.59	4756.24	94.71	146.76	160.56	0.91	FAIL
11425.00†	7153.45	1951.73	4734.96	7248.08	7155.23	1869.54	4756.46	91.32	84.97	230.60	0.37	FAIL
11444.48†	7153.35	1951.67	4754.44	7247.13	7154.28	1869.53	4756.50	90.66	82.18	234.17	0.35	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 29 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11446.66†	7153.34	1951.67	4756.62	7247.06	7154.20	1869.53	4756.50	90.60	82.15	233.93	0.35	FAIL
11525.00†	7152.96	1951.45	4834.96	7243.20	7150.36	1869.49	4756.67	87.92	113.38	175.11	0.65	FAIL
11625.00†	7152.47	1951.18	4934.96	7238.32	7145.48	1869.44	4756.88	84.54	196.06	120.46	1.63	PASS
11725.00†	7151.98	1950.91	5034.96	7233.44	7140.60	1869.39	4757.10	81.20	289.79	100.15	2.91	PASS
11825.00†	7151.49	1950.64	5134.95	7228.56	7135.72	1869.34	4757.31	77.92	386.61	91.55	4.25	PASS
11925.00†	7151.00	1950.36	5234.95	7223.67	7130.84	1869.29	4757.53	74.73	484.68	87.41	5.58	PASS
12025.00†	7150.51	1950.09	5334.95	7218.78	7125.96	1869.24	4757.74	71.63	583.36	85.24	6.89	PASS
12125.00†	7150.02	1949.82	5434.95	7213.89	7121.07	1869.20	4757.96	68.63	682.39	84.02	8.18	PASS
12225.00†	7149.53	1949.54	5534.95	7209.00	7116.18	1869.15	4758.17	65.76	781.64	83.31	9.45	PASS
12325.00†	7149.04	1949.27	5634.95	7204.10	7111.29	1869.10	4758.39	63.02	881.03	82.89	10.71	PASS
12425.00†	7148.55	1949.00	5734.94	7199.20	7106.39	1869.05	4758.60	60.40	980.52	82.64	11.96	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7400.00	BHI Generic gyro - continuous (Standard)	VES SURVEY INTERNATIONAL GYRO SURVEYS PROVIDED BY SRC<100'-7400'>	EX. BARNEY 6 AWB
7400.00	7440.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7440'>	EX. BARNEY 6 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 30 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 6 AWB Offset Wellpath: EX. BARNEY 6 AWP	
MD Reference: Rig on SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 31 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#08 HOOD 23N-22B-M (565'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14290.20	6985.76	1748.16	-15.96	-0.52	7176.94	133.41	54.16	PASS
125.00†	125.00	0.00	0.00	14290.43	6985.76	1748.16	-15.72	-0.52	7079.99	134.68	52.92	PASS
200.00	200.00	0.00	0.00	14290.60	6985.76	1748.16	-15.55	-0.51	7007.34	135.28	52.15	PASS
225.00†	225.00	0.10	0.03	14290.68	6985.76	1748.16	-15.47	-17.01	6983.11	135.48	51.89	PASS
325.00†	324.96	2.62	0.75	14291.30	6985.76	1748.15	-14.85	-19.68	6885.74	136.25	50.87	PASS
425.00†	424.77	8.49	2.42	14292.44	6985.76	1748.14	-13.71	-23.24	6787.73	136.95	49.89	PASS
525.00†	524.30	17.71	5.06	14294.11	6985.77	1748.13	-12.04	-28.19	6689.19	137.57	48.94	PASS
625.00†	623.44	30.26	8.64	14296.31	6985.78	1748.12	-9.84	-35.42	6590.20	138.10	48.03	PASS
725.00†	722.07	46.13	13.17	14299.04	6985.79	1748.11	-7.11	-46.48	6490.87	138.54	47.16	PASS
825.00†	820.05	65.30	18.64	14302.32	6985.81	1748.10	-3.83	-63.68	6391.31	138.88	46.32	PASS
925.00†	917.29	87.74	25.05	14306.17	6985.82	1748.09	0.02	-87.66	6291.62	139.12	45.52	PASS
1025.00†	1013.64	113.44	32.39	14310.59	6985.84	1748.10	4.44	-112.44	6191.93	139.25	44.76	PASS
1067.21	1054.03	125.25	35.76	14312.63	6985.85	1748.10	6.48	-121.17	6149.88	139.26	44.45	PASS
1125.00†	1109.19	141.82	40.49	14315.51	6985.86	1748.11	9.36	-121.25	6092.33	139.28	44.03	PASS
1225.00†	1204.64	170.48	48.68	14321.02	6985.89	1748.13	14.87	-121.40	5992.74	139.31	43.30	PASS
1325.00†	1300.09	199.15	56.86	14327.04	6985.92	1748.16	20.89	-121.58	5893.16	139.34	42.57	PASS
1425.00†	1395.55	227.82	65.05	14333.13	6985.95	1748.19	26.98	-121.76	5793.58	139.38	41.83	PASS
1525.00†	1491.00	256.48	73.23	14339.29	6985.98	1748.22	33.14	-121.95	5694.01	139.42	41.10	PASS
1625.00†	1586.45	285.15	81.42	14345.51	6986.02	1748.25	39.36	-122.14	5594.44	139.46	40.37	PASS
1725.00†	1681.91	313.81	89.60	14351.80	6986.06	1748.29	45.64	-122.34	5494.88	139.50	39.64	PASS
1825.00†	1777.36	342.48	97.79	14358.15	6986.11	1748.32	52.00	-122.55	5395.33	139.34	38.91	PASS
1925.00†	1872.81	371.14	105.97	14364.58	6986.16	1748.36	58.42	-122.76	5295.78	139.37	38.19	PASS
2025.00†	1968.27	399.81	114.15	14371.07	6986.21	1748.40	64.92	-122.98	5196.23	139.41	37.46	PASS
2125.00†	2063.72	428.48	122.34	14377.64	6986.26	1748.44	71.49	-123.21	5096.70	139.44	36.73	PASS
2225.00†	2159.17	457.14	130.52	14384.28	6986.32	1748.48	78.13	-123.45	4997.17	139.47	36.01	PASS
2325.00†	2254.63	485.81	138.71	14390.99	6986.38	1748.53	84.84	-123.70	4897.64	139.51	35.28	PASS
2425.00†	2350.08	514.47	146.89	14397.78	6986.45	1748.57	91.63	-123.95	4798.13	139.54	34.56	PASS
2525.00†	2445.53	543.14	155.08	14404.65	6986.52	1748.62	98.49	-124.22	4698.61	139.57	33.83	PASS
2625.00†	2540.98	571.80	163.26	14413.37	6986.61	1748.69	107.22	-124.57	4599.11	139.62	33.10	PASS
2725.00†	2636.44	600.47	171.45	14423.75	6986.72	1748.77	117.59	-125.00	4499.61	139.70	32.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 32 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#08 HOOD 23N-22B-M (565'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14434.09	6986.82	1748.87	127.93	-125.45	4400.10	139.77	31.64	PASS
2925.00†	2827.34	657.80	187.82	14444.39	6986.92	1748.97	138.23	-125.91	4300.60	139.83	30.91	PASS
3025.00†	2922.80	686.47	196.00	14454.65	6987.01	1749.09	148.49	-126.39	4201.10	139.89	30.18	PASS
3125.00†	3018.25	715.13	204.19	14464.87	6987.09	1749.22	158.71	-126.89	4101.60	139.95	29.45	PASS
3225.00†	3113.70	743.80	212.37	14475.06	6987.17	1749.36	168.90	-127.41	4002.10	140.00	28.73	PASS
3325.00†	3209.16	772.46	220.56	14485.21	6987.25	1749.51	179.04	-127.96	3902.60	140.04	28.00	PASS
3425.00†	3304.61	801.13	228.74	14495.32	6987.32	1749.66	189.16	-128.52	3803.11	140.08	27.28	PASS
3525.00†	3400.06	829.79	236.93	14504.29	6987.38	1749.81	198.12	-129.05	3703.61	140.09	26.57	PASS
3625.00†	3495.52	858.46	245.11	14512.87	6987.44	1749.94	206.70	-129.57	3604.13	140.09	25.85	PASS
3725.00†	3590.97	887.13	253.29	14521.48	6987.50	1750.05	215.31	-130.13	3504.64	140.07	25.14	PASS
3825.00†	3686.42	915.79	261.48	14530.12	6987.57	1750.16	223.95	-130.71	3405.17	140.05	24.43	PASS
3925.00†	3781.88	944.46	269.66	14538.78	6987.65	1750.26	232.61	-131.32	3305.70	140.01	23.72	PASS
4025.00†	3877.33	973.12	277.85	14547.46	6987.73	1750.34	241.29	-131.96	3206.24	139.96	23.02	PASS
4125.00†	3972.78	1001.79	286.03	14556.18	6987.81	1750.41	250.01	-132.64	3106.79	139.90	22.32	PASS
4225.00†	4068.23	1030.45	294.22	14564.92	6987.90	1750.48	258.74	-133.35	3007.35	139.82	21.61	PASS
4325.00†	4163.69	1059.12	302.40	14573.68	6988.00	1750.53	267.51	-134.10	2907.92	139.71	20.91	PASS
4425.00†	4259.14	1087.78	310.59	14582.47	6988.10	1750.57	276.30	-134.90	2808.50	139.59	20.22	PASS
4525.00†	4354.59	1116.45	318.77	14593.26	6988.22	1750.61	287.09	-135.93	2709.09	139.46	19.52	PASS
4625.00†	4450.05	1145.12	326.96	14605.91	6988.35	1750.66	299.74	-137.23	2609.68	139.33	18.82	PASS
4725.00†	4545.50	1173.78	335.14	14618.24	6988.46	1750.72	312.06	-138.59	2510.27	139.16	18.13	PASS
4825.00†	4640.95	1202.45	343.33	14630.26	6988.56	1750.78	324.08	-140.02	2410.87	138.95	17.43	PASS
4925.00†	4736.41	1231.11	351.51	14641.98	6988.63	1750.85	335.80	-141.51	2311.47	138.70	16.75	PASS
5025.00†	4831.86	1259.78	359.70	14653.42	6988.68	1750.93	347.24	-143.08	2212.08	138.40	16.06	PASS
5125.00†	4927.31	1288.44	367.88	14664.58	6988.72	1751.01	358.40	-144.73	2112.69	138.05	15.38	PASS
5225.00†	5022.77	1317.11	376.07	14675.48	6988.75	1751.10	369.30	-146.46	2013.33	137.64	14.70	PASS
5325.00†	5118.22	1345.78	384.25	14683.87	6988.76	1751.16	377.69	-147.87	1913.98	137.15	14.02	PASS
5425.00†	5213.67	1374.44	392.43	14692.15	6988.78	1751.21	385.97	-149.35	1814.67	136.57	13.35	PASS
5525.00†	5309.12	1403.11	400.62	14700.44	6988.80	1751.25	394.26	-150.92	1715.39	135.91	12.68	PASS
5625.00†	5404.58	1431.77	408.80	14708.73	6988.83	1751.28	402.56	-152.58	1616.16	135.15	12.02	PASS
5725.00†	5500.03	1460.44	416.99	14717.04	6988.86	1751.30	410.86	-154.34	1516.99	134.27	11.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 33 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#08 HOOD 23N-22B-M (565'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14725.36	6988.89	1751.31	419.18	-156.20	1417.88	133.27	10.69	PASS
5925.00†	5690.94	1517.77	433.36	14733.68	6988.93	1751.31	427.50	-158.17	1318.85	132.10	10.03	PASS
6025.00†	5786.39	1546.43	441.54	14742.01	6988.97	1751.29	435.83	-160.25	1219.92	130.77	9.37	PASS
6125.00†	5881.84	1575.10	449.73	14750.36	6989.02	1751.27	444.18	-162.45	1121.11	129.23	8.72	PASS
6225.00†	5977.30	1603.77	457.91	14758.71	6989.06	1751.23	452.53	-164.77	1022.47	127.47	8.06	PASS
6325.00†	6072.75	1632.43	466.10	14767.10	6989.12	1751.18	460.92	-167.21	924.04	125.49	7.40	PASS
6425.00†	6168.20	1661.10	474.28	14775.68	6989.17	1751.13	469.50	-169.83	825.91	123.31	6.73	PASS
6525.00†	6263.66	1689.76	482.47	14784.26	6989.23	1751.07	478.08	-172.56	728.17	121.09	6.04	PASS
6625.00†	6359.11	1718.43	490.65	14792.82	6989.29	1751.00	486.64	-175.40	631.03	119.23	5.32	PASS
6725.00†	6454.56	1747.09	498.84	14801.38	6989.35	1750.93	495.19	-178.34	534.81	118.83	4.52	PASS
6825.00†	6550.01	1775.76	507.02	14809.92	6989.40	1750.86	503.74	-178.64	440.11	122.77	3.60	PASS
6888.88	6610.99	1794.07	512.25	14815.37	6989.44	1750.81	509.19	-176.66	380.93	130.52	2.93	PASS
6925.00†	6645.37	1804.39	516.22	14819.47	6989.47	1750.77	513.29	-172.41	348.27	138.08	2.53	PASS
7025.00†	6738.80	1832.44	537.75	14841.23	6989.63	1750.55	535.04	-159.43	263.87	178.60	1.48	PASS
7125.00†	6827.86	1859.15	574.28	14878.35	6989.92	1750.19	572.16	-144.82	195.29	261.04	0.75	FAIL
7225.00†	6910.36	1883.87	624.90	14930.83	6990.44	1750.14	624.64	-125.95	155.87	371.44	0.42	FAIL
7274.85†	6948.39	1895.25	655.02	14962.47	6990.81	1750.39	656.27	-114.65	150.95	410.03	0.37	FAIL
7302.65†	6968.59	1901.30	673.14	14981.21	6991.06	1750.63	675.02	-108.11	152.34	421.25	0.36	FAIL
7325.00†	6984.27	1905.99	688.37	14997.16	6991.28	1750.89	690.96	-102.77	155.28	425.12	0.36	FAIL
7425.00†	7047.75	1924.97	763.12	15075.83	6992.41	1752.87	769.59	-80.67	180.90	408.54	0.44	FAIL
7525.00†	7099.27	1940.34	847.32	15160.64	6992.97	1756.26	854.33	-64.96	212.67	378.59	0.56	FAIL
7625.00†	7137.53	1951.72	938.90	15230.00	6993.37	1758.07	923.67	-56.57	241.89	355.33	0.68	FAIL
7725.00†	7161.61	1958.83	1035.59	15230.00	6993.37	1758.07	923.67	-53.27	284.83	314.83	0.90	FAIL
7825.00†	7170.90	1961.50	1135.02	15230.00	6993.37	1758.07	923.67	-49.39	342.88	271.54	1.26	PASS
7840.20	7171.00	1961.51	1150.22	15230.00	6993.37	1758.07	923.67	-48.78	352.51	265.40	1.33	PASS
7925.00†	7170.58	1961.28	1235.02	15230.00	6993.37	1758.07	923.67	-48.78	411.86	234.05	1.76	PASS
8025.00†	7170.10	1961.00	1335.01	15230.00	6993.37	1758.07	923.67	-48.78	491.54	204.60	2.41	PASS
8125.00†	7169.61	1960.73	1435.01	15230.00	6993.37	1758.07	923.67	-48.78	577.58	182.44	3.17	PASS
8225.00†	7169.12	1960.46	1535.01	15230.00	6993.37	1758.07	923.67	-48.78	667.52	165.80	4.04	PASS
8325.00†	7168.63	1960.18	1635.01	15230.00	6993.37	1758.07	923.67	-48.78	759.98	153.16	4.98	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 34 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#08 HOOD 23N-22B-M (565'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8425.00†	7168.14	1959.91	1735.01	15230.00	6993.37	1758.07	923.67	48.78	854.14	143.42	5.98	PASS
8525.00†	7167.65	1959.64	1835.01	15230.00	6993.37	1758.07	923.67	48.78	949.49	135.79	7.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	10.00	1732.40	740.05	-4936.89	750.93	-4924.67
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1744.26	740.05	-4936.89	751.27	-4924.23
8.5in Open Hole	1750.00	15230.00	13480.00	1732.40	6993.37	750.93	-4924.67	905.39	-2186.80

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<108-1712>	HOOD 23N-22B-M AWB
1712.00	15206.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-15206>	HOOD 23N-22B-M AWB
15206.00	15230.00	Blind Drilling (std)	Projection to bit	HOOD 23N-22B-M AWB



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 35 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 23N-22B-M AWB Offset Wellpath: HOOD 23N-22B-M AWP**

MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 36 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-15.03	-90.00	15.03	1.56	23.44	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-15.03	-90.00	15.03	1.88	15.34	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-15.03	-90.00	15.03	2.30	10.54	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	-15.03	-106.33	15.06	2.44	9.55	PASS
325.00†	324.96	2.62	0.75	325.02	325.02	0.11	-15.00	-115.00	15.95	3.11	6.99	PASS
425.00†	424.77	8.49	2.42	425.24	425.20	2.65	-14.32	-125.19	17.74	4.18	5.21	PASS
525.00†	524.30	17.71	5.06	525.59	525.36	8.58	-12.75	-133.15	20.03	5.60	4.11	PASS
625.00†	623.44	30.26	8.64	626.06	625.36	17.91	-10.27	-139.23	22.66	6.98	3.61	PASS
725.00†	722.07	46.13	13.17	726.66	725.08	30.65	-6.88	-143.87	25.51	8.30	3.35	PASS
825.00†	820.05	65.30	18.64	827.37	824.40	46.78	-2.60	-147.43	28.51	9.54	3.21	PASS
925.00†	917.29	87.74	25.05	928.21	923.19	66.30	2.59	-150.17	31.61	10.75	3.13	PASS
1025.00†	1013.64	113.44	32.39	1029.17	1021.32	89.20	8.67	-152.30	34.77	11.92	3.09	PASS
1067.21	1054.03	125.25	35.76	1071.82	1062.52	99.88	11.50	-153.05	36.12	12.36	3.08	PASS
1125.00†	1109.19	141.82	40.49	1130.26	1118.69	115.47	15.64	-153.58	37.44	12.93	3.05	PASS
1225.00†	1204.64	170.48	48.68	1231.43	1215.10	145.06	23.50	-152.47	37.28	13.89	2.81	PASS
1325.00†	1300.09	199.15	56.86	1332.03	1309.95	177.48	32.12	-148.66	34.34	14.90	2.39	PASS
1425.00†	1395.55	227.82	65.05	1431.94	1403.91	210.27	40.82	-143.48	31.06	16.15	1.98	PASS
1525.00†	1491.00	256.48	73.23	1531.84	1497.88	243.06	49.53	-137.13	28.09	17.77	1.61	PASS
1625.00†	1586.45	285.15	81.42	1631.74	1591.85	275.85	58.24	-129.42	25.55	19.84	1.30	PASS
1725.00†	1681.91	313.81	89.60	1731.64	1685.81	308.64	66.95	-120.21	23.56	22.31	1.06	PASS
1825.00†	1777.36	342.48	97.79	1831.55	1779.78	341.42	75.66	-109.64	22.28	23.82	0.93	FAIL
1925.00†	1872.81	371.14	105.97	1931.45	1873.75	374.21	84.37	-98.22	21.84	24.46	0.89	FAIL
2025.00†	1968.27	399.81	114.15	2031.35	1967.71	407.00	93.08	-86.81	22.28	24.69	0.90	FAIL
2125.00†	2063.72	428.48	122.34	2131.25	2061.68	439.79	101.79	-76.23	23.55	24.56	0.96	FAIL
2225.00†	2159.17	457.14	130.52	2231.16	2155.64	472.58	110.49	-67.01	25.53	24.24	1.05	PASS
2325.00†	2254.63	485.81	138.71	2331.06	2249.61	505.36	119.20	-59.28	28.07	23.91	1.18	PASS
2425.00†	2350.08	514.47	146.89	2430.96	2343.58	538.15	127.91	-52.93	31.04	23.69	1.32	PASS
2525.00†	2445.53	543.14	155.08	2530.86	2437.54	570.94	136.62	-47.74	34.31	23.62	1.47	PASS
2625.00†	2540.98	571.80	163.26	2630.77	2531.51	603.73	145.33	-43.48	37.82	23.71	1.61	PASS
2725.00†	2636.44	600.47	171.45	2730.67	2625.47	636.52	154.04	-39.96	41.51	23.95	1.76	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 37 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2830.57	2719.44	669.30	162.75	-37.02	45.32	24.33	1.89	PASS
2925.00†	2827.34	657.80	187.82	2930.47	2813.41	702.09	171.46	-34.54	49.23	24.82	2.01	PASS
3025.00†	2922.80	686.47	196.00	3030.38	2907.37	734.88	180.16	-32.43	53.22	25.41	2.13	PASS
3125.00†	3018.25	715.13	204.19	3130.28	3001.34	767.67	188.87	-30.62	57.28	26.08	2.23	PASS
3225.00†	3113.70	743.80	212.37	3230.18	3095.30	800.46	197.58	-29.05	61.38	26.82	2.32	PASS
3325.00†	3209.16	772.46	220.56	3330.08	3189.27	833.24	206.29	-27.67	65.52	27.61	2.41	PASS
3425.00†	3304.61	801.13	228.74	3429.99	3283.24	866.03	215.00	-26.46	69.70	28.46	2.49	PASS
3525.00†	3400.06	829.79	236.93	3529.89	3377.20	898.82	223.71	-25.39	73.90	29.35	2.56	PASS
3625.00†	3495.52	858.46	245.11	3629.79	3471.17	931.61	232.42	-24.43	78.13	30.28	2.62	PASS
3725.00†	3590.97	887.13	253.29	3729.69	3565.13	964.40	241.13	-23.57	82.38	31.23	2.68	PASS
3825.00†	3686.42	915.79	261.48	3829.60	3659.10	997.18	249.83	-22.80	86.64	32.22	2.73	PASS
3925.00†	3781.88	944.46	269.66	3929.50	3753.07	1029.97	258.54	-22.10	90.92	33.23	2.77	PASS
4025.00†	3877.33	973.12	277.85	4029.40	3847.03	1062.76	267.25	-21.46	95.21	34.26	2.82	PASS
4125.00†	3972.78	1001.79	286.03	4129.30	3941.00	1095.55	275.96	-20.88	99.51	35.31	2.86	PASS
4225.00†	4068.23	1030.45	294.22	4229.21	4034.96	1128.34	284.67	-20.34	103.82	36.38	2.89	PASS
4325.00†	4163.69	1059.12	302.40	4329.11	4128.93	1161.12	293.38	-19.85	108.14	37.46	2.92	PASS
4425.00†	4259.14	1087.78	310.59	4429.01	4222.90	1193.91	302.09	-19.39	112.47	38.56	2.95	PASS
4525.00†	4354.59	1116.45	318.77	4528.91	4316.86	1226.70	310.80	-18.97	116.80	39.66	2.98	PASS
4625.00†	4450.05	1145.12	326.96	4628.82	4410.83	1259.49	319.51	-18.58	121.14	40.78	3.01	PASS
4725.00†	4545.50	1173.78	335.14	4728.72	4504.79	1292.28	328.21	-18.22	125.48	41.91	3.03	PASS
4825.00†	4640.95	1202.45	343.33	4828.62	4598.76	1325.06	336.92	-17.88	129.83	43.04	3.05	PASS
4925.00†	4736.41	1231.11	351.51	4928.53	4692.73	1357.85	345.63	-17.56	134.18	44.18	3.07	PASS
5025.00†	4831.86	1259.78	359.70	5028.43	4786.69	1390.64	354.34	-17.27	138.54	45.34	3.09	PASS
5125.00†	4927.31	1288.44	367.88	5128.33	4880.66	1423.43	363.05	-16.99	142.90	46.49	3.11	PASS
5225.00†	5022.77	1317.11	376.07	5228.23	4974.62	1456.22	371.76	-16.72	147.26	47.66	3.12	PASS
5325.00†	5118.22	1345.78	384.25	5328.14	5068.59	1489.00	380.47	-16.48	151.63	48.82	3.14	PASS
5425.00†	5213.67	1374.44	392.43	5428.04	5162.56	1521.79	389.18	-16.24	156.00	50.00	3.15	PASS
5525.00†	5309.12	1403.11	400.62	5527.94	5256.52	1554.58	397.88	-16.02	160.37	51.18	3.16	PASS
5625.00†	5404.58	1431.77	408.80	5627.84	5350.49	1587.37	406.59	-15.81	164.74	52.36	3.18	PASS
5725.00†	5500.03	1460.44	416.99	5727.75	5444.46	1620.16	415.30	-15.61	169.12	53.55	3.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 38 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5827.65	5538.42	1652.95	424.01	-15.43	173.50	54.74	3.20	PASS
5925.00†	5690.94	1517.77	433.36	5927.55	5632.39	1685.73	432.72	-15.25	177.88	55.93	3.21	PASS
6025.00†	5786.39	1546.43	441.54	6027.45	5726.35	1718.52	441.43	-15.08	182.26	57.13	3.22	PASS
6125.00†	5881.84	1575.10	449.73	6127.36	5820.32	1751.31	450.14	-14.91	186.64	58.33	3.23	PASS
6225.00†	5977.30	1603.77	457.91	6227.26	5914.29	1784.10	458.85	-14.76	191.03	59.53	3.24	PASS
6325.00†	6072.75	1632.43	466.10	6327.16	6008.25	1816.89	467.55	-14.61	195.41	60.74	3.24	PASS
6425.00†	6168.20	1661.10	474.28	6427.06	6102.22	1849.67	476.26	-14.47	199.80	61.94	3.25	PASS
6525.00†	6263.66	1689.76	482.47	6526.97	6196.18	1882.46	484.97	-14.33	204.19	63.16	3.26	PASS
6625.00†	6359.11	1718.43	490.65	6626.87	6290.15	1915.25	493.68	-14.20	208.57	64.37	3.27	PASS
6725.00†	6454.56	1747.09	498.84	6726.77	6384.12	1948.04	502.39	-14.08	212.96	65.58	3.27	PASS
6825.00†	6550.01	1775.76	507.02	6826.67	6478.08	1980.83	511.10	-13.96	217.35	66.80	3.28	PASS
6888.88	6610.99	1794.07	512.25	6890.23	6537.76	2001.65	517.58	-13.64	220.18	67.57	3.28	PASS
6925.00†	6645.37	1804.39	516.22	6925.90	6570.96	2013.23	523.62	-22.43	221.82	68.00	3.29	PASS
7025.00†	6738.80	1832.44	537.75	7024.06	6660.07	2044.31	550.25	-40.07	226.37	69.25	3.29	PASS
7125.00†	6827.86	1859.15	574.28	7121.41	6743.61	2073.42	590.67	-49.83	230.83	70.57	3.29	PASS
7225.00†	6910.36	1883.87	624.90	7218.04	6819.81	2099.96	643.65	-55.17	235.05	72.04	3.29	PASS
7325.00†	6984.27	1905.99	688.37	7314.02	6887.16	2123.41	707.76	-58.18	238.91	73.82	3.26	PASS
7425.00†	7047.75	1924.97	763.12	7409.47	6944.37	2143.30	781.41	-59.92	242.26	76.12	3.20	PASS
7525.00†	7099.27	1940.34	847.32	7504.49	6990.37	2159.27	862.90	-60.94	245.02	79.09	3.12	PASS
7625.00†	7137.53	1951.72	938.90	7599.19	7024.32	2171.03	950.42	-61.52	247.08	83.23	2.99	PASS
7725.00†	7161.61	1958.83	1035.59	7693.66	7045.63	2178.38	1042.08	-61.83	248.38	86.97	2.87	PASS
7825.00†	7170.90	1961.50	1135.02	7788.03	7053.90	2181.17	1135.96	-61.96	248.89	91.65	2.73	PASS
7840.20	7171.00	1961.51	1150.22	7802.38	7054.00	2181.19	1150.30	-61.96	248.90	92.39	2.71	PASS
7925.00†	7170.58	1961.28	1235.02	7887.13	7053.62	2180.97	1235.06	-61.97	248.89	96.54	2.59	PASS
8025.00†	7170.10	1961.00	1335.01	7987.13	7053.17	2180.71	1335.06	-61.98	248.89	101.85	2.45	PASS
8125.00†	7169.61	1960.73	1435.01	8087.13	7052.72	2180.46	1435.05	-61.99	248.88	107.54	2.32	PASS
8225.00†	7169.12	1960.46	1535.01	8187.13	7052.28	2180.20	1535.05	-62.00	248.87	113.55	2.20	PASS
8325.00†	7168.63	1960.18	1635.01	8287.13	7051.83	2179.94	1635.05	-62.01	248.87	119.83	2.08	PASS
8425.00†	7168.14	1959.91	1735.01	8387.13	7051.38	2179.68	1735.05	-62.02	248.86	126.34	1.98	PASS
8525.00†	7167.65	1959.64	1835.01	8487.13	7050.93	2179.42	1835.05	-62.03	248.86	133.05	1.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 39 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7167.16	1959.37	1935.00	8587.13	7050.48	2179.17	1935.05	-62.04	248.85	139.93	1.78	PASS	
8725.00†	7166.67	1959.09	2035.00	8687.13	7050.03	2178.91	2035.05	-62.05	248.84	146.95	1.70	PASS	
8825.00†	7166.18	1958.82	2135.00	8787.13	7049.58	2178.65	2135.04	-62.06	248.84	154.10	1.62	PASS	
8925.00†	7165.69	1958.55	2235.00	8887.13	7049.13	2178.39	2235.04	-62.07	248.83	161.36	1.54	PASS	
9025.00†	7165.20	1958.27	2335.00	8987.13	7048.68	2178.13	2335.04	-62.08	248.83	168.71	1.48	PASS	
9125.00†	7164.71	1958.00	2435.00	9087.13	7048.24	2177.88	2435.04	-62.09	248.82	176.15	1.41	PASS	
9225.00†	7164.22	1957.73	2534.99	9187.13	7047.79	2177.62	2535.04	-62.10	248.81	183.66	1.36	PASS	
9325.00†	7163.73	1957.46	2634.99	9287.13	7047.34	2177.36	2635.04	-62.11	248.81	191.24	1.30	PASS	
9425.00†	7163.24	1957.18	2734.99	9387.13	7046.89	2177.10	2735.04	-62.12	248.80	198.88	1.25	PASS	
9525.00†	7162.75	1956.91	2834.99	9487.13	7046.44	2176.85	2835.04	-62.13	248.80	206.56	1.21	PASS	
9625.00†	7162.26	1956.64	2934.99	9587.13	7045.99	2176.59	2935.03	-62.14	248.79	214.30	1.16	PASS	
9725.00†	7161.77	1956.36	3034.99	9687.13	7045.54	2176.33	3035.03	-62.15	248.78	222.07	1.12	PASS	
9825.00†	7161.28	1956.09	3134.99	9787.13	7045.09	2176.07	3135.03	-62.16	248.78	229.88	1.08	PASS	
9925.00†	7160.79	1955.82	3234.98	9887.13	7044.64	2175.81	3235.03	-62.17	248.77	237.73	1.05	PASS	
10025.00†	7160.30	1955.55	3334.98	9987.13	7044.20	2175.56	3335.03	-62.18	248.77	245.60	1.01	PASS	
10125.00†	7159.81	1955.27	3434.98	10087.13	7043.75	2175.30	3435.03	-62.19	248.76	253.51	0.98	FAIL	
10225.00†	7159.32	1955.00	3534.98	10187.13	7043.30	2175.04	3535.03	-62.20	248.75	261.44	0.95	FAIL	
10325.00†	7158.83	1954.73	3634.98	10287.13	7042.85	2174.78	3635.02	-62.21	248.75	269.39	0.92	FAIL	
10425.00†	7158.34	1954.45	3734.98	10387.13	7042.40	2174.52	3735.02	-62.22	248.74	277.36	0.90	FAIL	
10525.00†	7157.85	1954.18	3834.97	10487.13	7041.95	2174.27	3835.02	-62.23	248.74	285.36	0.87	FAIL	
10625.00†	7157.36	1953.91	3934.97	10587.13	7041.50	2174.01	3935.02	-62.24	248.73	293.37	0.85	FAIL	
10725.00†	7156.87	1953.64	4034.97	10687.13	7041.05	2173.75	4035.02	-62.25	248.73	301.40	0.82	FAIL	
10825.00†	7156.38	1953.36	4134.97	10787.13	7040.60	2173.49	4135.02	-62.26	248.72	309.45	0.80	FAIL	
10925.00†	7155.89	1953.09	4234.97	10887.13	7040.16	2173.23	4235.02	-62.27	248.71	317.51	0.78	FAIL	
11025.00†	7155.40	1952.82	4334.97	10987.13	7039.71	2172.98	4335.02	-62.28	248.71	325.58	0.76	FAIL	
11125.00†	7154.92	1952.55	4434.96	11087.13	7039.26	2172.72	4435.01	-62.29	248.70	333.67	0.74	FAIL	
11225.00†	7154.43	1952.27	4534.96	11187.13	7038.81	2172.46	4535.01	-62.30	248.70	341.77	0.73	FAIL	
11325.00†	7153.94	1952.00	4634.96	11287.13	7038.36	2172.20	4635.01	-62.31	248.69	349.88	0.71	FAIL	
11425.00†	7153.45	1951.73	4734.96	11387.13	7037.91	2171.94	4735.01	-62.32	248.68	358.00	0.69	FAIL	
11525.00†	7152.96	1951.45	4834.96	11487.13	7037.46	2171.69	4835.01	-62.33	248.68	366.13	0.68	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 40 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	11587.13	7037.01	2171.43	4935.01	-62.34	248.67	374.27	0.66	FAIL
11725.00†	7151.98	1950.91	5034.96	11687.13	7036.56	2171.17	5035.01	-62.35	248.67	382.42	0.65	FAIL
11825.00†	7151.49	1950.64	5134.95	11787.13	7036.11	2170.91	5135.00	-62.36	248.66	390.57	0.64	FAIL
11925.00†	7151.00	1950.36	5234.95	11887.13	7035.67	2170.65	5235.00	-62.37	248.66	398.74	0.62	FAIL
12025.00†	7150.51	1950.09	5334.95	11987.13	7035.22	2170.40	5335.00	-62.38	248.65	406.91	0.61	FAIL
12125.00†	7150.02	1949.82	5434.95	12087.13	7034.77	2170.14	5435.00	-62.39	248.64	415.09	0.60	FAIL
12225.00†	7149.53	1949.54	5534.95	12187.13	7034.32	2169.88	5535.00	-62.40	248.64	423.28	0.59	FAIL
12325.00†	7149.04	1949.27	5634.95	12287.13	7033.87	2169.62	5635.00	-62.41	248.63	431.47	0.58	FAIL
12425.00†	7148.55	1949.00	5734.94	12387.13	7033.42	2169.36	5735.00	-62.42	248.63	439.67	0.56	FAIL
12525.00†	7148.06	1948.73	5834.94	12487.13	7032.97	2169.11	5834.99	-62.43	248.62	447.88	0.55	FAIL
12625.00†	7147.57	1948.45	5934.94	12587.13	7032.52	2168.85	5934.99	-62.44	248.62	456.09	0.54	FAIL
12725.00†	7147.08	1948.18	6034.94	12687.13	7032.07	2168.59	6034.99	-62.45	248.61	464.31	0.53	FAIL
12825.00†	7146.59	1947.91	6134.94	12787.13	7031.63	2168.33	6134.99	-62.46	248.60	472.53	0.53	FAIL
12925.00†	7146.10	1947.63	6234.94	12887.13	7031.18	2168.07	6234.99	-62.47	248.60	480.75	0.52	FAIL
13025.00†	7145.61	1947.36	6334.94	12987.13	7030.73	2167.82	6334.99	-62.48	248.59	488.99	0.51	FAIL
13125.00†	7145.12	1947.09	6434.93	13087.13	7030.28	2167.56	6434.99	-62.49	248.59	497.22	0.50	FAIL
13225.00†	7144.63	1946.82	6534.93	13187.13	7029.83	2167.30	6534.99	-62.49	248.58	505.47	0.49	FAIL
13325.00†	7144.14	1946.54	6634.93	13287.13	7029.38	2167.04	6634.98	-62.50	248.58	513.71	0.48	FAIL
13425.00†	7143.65	1946.27	6734.93	13387.13	7028.93	2166.78	6734.98	-62.51	248.57	521.96	0.48	FAIL
13525.00†	7143.16	1946.00	6834.93	13487.13	7028.48	2166.53	6834.98	-62.52	248.56	530.22	0.47	FAIL
13625.00†	7142.67	1945.72	6934.93	13587.13	7028.03	2166.27	6934.98	-62.53	248.56	538.47	0.46	FAIL
13725.00†	7142.18	1945.45	7034.92	13687.13	7027.59	2166.01	7034.98	-62.54	248.55	546.74	0.45	FAIL
13825.00†	7141.69	1945.18	7134.92	13787.13	7027.14	2165.75	7134.98	-62.55	248.55	555.00	0.45	FAIL
13925.00†	7141.20	1944.91	7234.92	13887.13	7026.69	2165.49	7234.98	-62.56	248.54	563.27	0.44	FAIL
14025.00†	7140.71	1944.63	7334.92	13987.13	7026.24	2165.24	7334.97	-62.57	248.54	571.54	0.43	FAIL
14125.00†	7140.23	1944.36	7434.92	14087.13	7025.79	2164.98	7434.97	-62.58	248.53	579.82	0.43	FAIL
14225.00†	7139.74	1944.09	7534.92	14187.13	7025.34	2164.72	7534.97	-62.59	248.52	588.10	0.42	FAIL
14325.00†	7139.25	1943.82	7634.91	14287.13	7024.89	2164.46	7634.97	-62.60	248.52	596.38	0.42	FAIL
14425.00†	7138.76	1943.54	7734.91	14387.13	7024.44	2164.20	7734.97	-62.61	248.51	604.67	0.41	FAIL
14525.00†	7138.27	1943.27	7834.91	14487.13	7023.99	2163.95	7834.97	-62.62	248.51	612.96	0.40	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 41 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14587.13	7023.55	2163.69	7934.97	-62.63	248.50	621.25	0.40	FAIL
14725.00†	7137.29	1942.72	8034.91	14687.13	7023.10	2163.43	8034.97	-62.64	248.50	629.55	0.39	FAIL
14825.00†	7136.80	1942.45	8134.91	14787.13	7022.65	2163.17	8134.96	-62.65	248.49	637.85	0.39	FAIL
14925.00†	7136.31	1942.18	8234.91	14887.13	7022.20	2162.91	8234.96	-62.66	248.49	646.15	0.38	FAIL
15025.00†	7135.82	1941.91	8334.90	14987.13	7021.75	2162.66	8334.96	-62.67	248.48	654.45	0.38	FAIL
15125.00†	7135.33	1941.63	8434.90	15087.13	7021.30	2162.40	8434.96	-62.68	248.47	662.76	0.37	FAIL
15192.09	7135.00	1941.45	8501.99	15154.09	7021.00	2162.23	8501.91	-62.69	248.47	668.34	0.37	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical
			1.000ft
			3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1703.08	0.00	-9.16	95.91	16.31
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1703.08	0.00	-9.16	95.91	16.31
8.5in Open Hole	1750.00	15154.09	13404.09	1703.08	7021.00	95.91	16.31	659.04	2586.80

SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-23C-M PWB
1750.00	15154.09	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-23C-M PWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 42 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)	
MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 43 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14433.90	7062.06	2156.01	58.25	1.55	7360.16	146.08	50.70	PASS
125.00†	125.00	0.00	0.00	14434.39	7062.06	2155.98	58.74	1.56	7264.61	147.53	49.54	PASS
200.00	200.00	0.00	0.00	14434.75	7062.07	2155.96	59.10	1.57	7193.03	148.30	48.80	PASS
225.00†	225.00	0.10	0.03	14434.88	7062.07	2155.96	59.23	-14.77	7169.15	148.55	48.55	PASS
325.00†	324.96	2.62	0.75	14435.68	7062.07	2155.91	60.03	-16.61	7073.11	149.55	47.58	PASS
425.00†	424.77	8.49	2.42	14436.90	7062.09	2155.85	61.24	-18.93	6976.29	150.47	46.64	PASS
525.00†	524.30	17.71	5.06	14438.54	7062.10	2155.76	62.89	-21.95	6878.76	151.32	45.73	PASS
625.00†	623.44	30.26	8.64	14440.62	7062.12	2155.65	64.96	-26.01	6780.63	152.08	44.85	PASS
725.00†	722.07	46.13	13.17	14443.13	7062.14	2155.52	67.47	-31.69	6681.99	152.74	44.01	PASS
825.00†	820.05	65.30	18.64	14446.08	7062.17	2155.36	70.41	-39.98	6582.93	153.31	43.19	PASS
925.00†	917.29	87.74	25.05	14449.48	7062.19	2155.20	73.81	-52.53	6483.57	153.77	42.41	PASS
1025.00†	1013.64	113.44	32.39	14453.34	7062.23	2155.01	77.67	-71.17	6384.00	154.12	41.67	PASS
1067.21	1054.03	125.25	35.76	14455.11	7062.24	2154.93	79.43	-80.82	6341.93	154.23	41.36	PASS
1125.00†	1109.19	141.82	40.49	14457.60	7062.26	2154.81	81.92	-80.72	6284.34	154.37	40.95	PASS
1225.00†	1204.64	170.48	48.68	14461.96	7062.30	2154.62	86.27	-80.54	6184.69	154.62	40.23	PASS
1325.00†	1300.09	199.15	56.86	14466.36	7062.34	2154.43	90.67	-80.35	6085.04	154.88	39.52	PASS
1425.00†	1395.55	227.82	65.05	14470.83	7062.38	2154.24	95.13	-80.16	5985.40	155.14	38.80	PASS
1525.00†	1491.00	256.48	73.23	14475.35	7062.41	2154.06	99.65	-79.96	5885.76	155.42	38.09	PASS
1625.00†	1586.45	285.15	81.42	14479.93	7062.45	2153.89	104.23	-79.76	5786.13	155.71	37.37	PASS
1725.00†	1681.91	313.81	89.60	14484.57	7062.49	2153.73	108.87	-79.54	5686.50	156.01	36.66	PASS
1825.00†	1777.36	342.48	97.79	14489.27	7062.53	2153.57	113.56	-79.32	5586.89	156.11	35.95	PASS
1925.00†	1872.81	371.14	105.97	14494.03	7062.57	2153.42	118.32	-79.10	5487.28	156.43	35.23	PASS
2025.00†	1968.27	399.81	114.15	14499.33	7062.61	2153.27	123.62	-78.84	5387.67	156.76	34.52	PASS
2125.00†	2063.72	428.48	122.34	14506.97	7062.67	2153.05	131.25	-78.45	5288.08	157.13	33.80	PASS
2225.00†	2159.17	457.14	130.52	14514.61	7062.73	2152.84	138.89	-78.06	5188.48	157.52	33.08	PASS
2325.00†	2254.63	485.81	138.71	14522.27	7062.79	2152.62	146.55	-77.65	5088.89	157.91	32.37	PASS
2425.00†	2350.08	514.47	146.89	14529.95	7062.85	2152.41	154.22	-77.22	4989.30	158.32	31.65	PASS
2525.00†	2445.53	543.14	155.08	14537.64	7062.91	2152.21	161.91	-76.79	4889.72	158.74	30.94	PASS
2625.00†	2540.98	571.80	163.26	14545.34	7062.97	2152.00	169.61	-76.33	4790.14	159.18	30.22	PASS
2725.00†	2636.44	600.47	171.45	14553.06	7063.03	2151.80	177.33	-75.87	4690.57	159.63	29.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 44 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14560.80	7063.09	2151.61	185.06	-75.38	4591.00	160.09	28.80	PASS
2925.00†	2827.34	657.80	187.82	14568.54	7063.15	2151.41	192.81	-74.88	4491.43	160.57	28.09	PASS
3025.00†	2922.80	686.47	196.00	14576.31	7063.21	2151.22	200.57	-74.36	4391.87	161.06	27.38	PASS
3125.00†	3018.25	715.13	204.19	14584.09	7063.27	2151.03	208.34	-73.83	4292.32	161.57	26.68	PASS
3225.00†	3113.70	743.80	212.37	14592.62	7063.33	2150.82	216.87	-73.22	4192.77	162.11	25.97	PASS
3325.00†	3209.16	772.46	220.56	14601.87	7063.40	2150.59	226.12	-72.53	4093.22	162.68	25.27	PASS
3425.00†	3304.61	801.13	228.74	14611.07	7063.47	2150.35	235.32	-71.82	3993.68	163.27	24.56	PASS
3525.00†	3400.06	829.79	236.93	14620.24	7063.55	2150.10	244.48	-71.09	3894.15	163.87	23.86	PASS
3625.00†	3495.52	858.46	245.11	14629.35	7063.62	2149.84	253.59	-70.33	3794.62	164.50	23.16	PASS
3725.00†	3590.97	887.13	253.29	14638.43	7063.70	2149.56	262.66	-69.54	3695.09	165.15	22.47	PASS
3825.00†	3686.42	915.79	261.48	14647.46	7063.77	2149.28	271.69	-68.73	3595.57	165.82	21.77	PASS
3925.00†	3781.88	944.46	269.66	14656.45	7063.85	2148.99	280.68	-67.89	3496.06	166.52	21.08	PASS
4025.00†	3877.33	973.12	277.85	14665.40	7063.93	2148.69	289.62	-67.01	3396.55	167.25	20.39	PASS
4125.00†	3972.78	1001.79	286.03	14674.30	7064.01	2148.39	298.52	-66.11	3297.05	168.01	19.70	PASS
4225.00†	4068.23	1030.45	294.22	14681.27	7064.07	2148.14	305.48	-65.37	3197.56	168.78	19.02	PASS
4325.00†	4163.69	1059.12	302.40	14687.48	7064.13	2147.93	311.68	-64.69	3098.09	169.59	18.34	PASS
4425.00†	4259.14	1087.78	310.59	14693.76	7064.19	2147.73	317.96	-63.98	2998.64	170.44	17.66	PASS
4525.00†	4354.59	1116.45	318.77	14700.12	7064.25	2147.53	324.31	-63.24	2899.20	171.34	16.99	PASS
4625.00†	4450.05	1145.12	326.96	14706.56	7064.31	2147.35	330.75	-62.47	2799.79	172.29	16.31	PASS
4725.00†	4545.50	1173.78	335.14	14713.08	7064.37	2147.17	337.27	-61.65	2700.40	173.29	15.64	PASS
4825.00†	4640.95	1202.45	343.33	14719.69	7064.43	2146.99	343.88	-60.80	2601.04	174.37	14.97	PASS
4925.00†	4736.41	1231.11	351.51	14726.39	7064.50	2146.83	350.57	-59.91	2501.71	175.52	14.31	PASS
5025.00†	4831.86	1259.78	359.70	14733.17	7064.56	2146.68	357.36	-58.97	2402.41	176.74	13.64	PASS
5125.00†	4927.31	1288.44	367.88	14740.04	7064.63	2146.53	364.23	-57.99	2303.14	178.06	12.98	PASS
5225.00†	5022.77	1317.11	376.07	14747.01	7064.70	2146.40	371.19	-56.96	2203.91	179.48	12.32	PASS
5325.00†	5118.22	1345.78	384.25	14754.07	7064.77	2146.27	378.25	-55.87	2104.73	181.02	11.67	PASS
5425.00†	5213.67	1374.44	392.43	14761.22	7064.84	2146.16	385.40	-54.73	2005.60	182.69	11.02	PASS
5525.00†	5309.12	1403.11	400.62	14768.73	7064.92	2146.05	392.91	-53.49	1906.52	184.52	10.37	PASS
5625.00†	5404.58	1431.77	408.80	14777.31	7065.00	2145.95	401.48	-52.02	1807.51	186.53	9.72	PASS
5725.00†	5500.03	1460.44	416.99	14785.87	7065.08	2145.85	410.05	-50.48	1708.57	188.75	9.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 45 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14794.42	7065.16	2145.76	418.60	-48.89	1609.71	191.21	8.45	PASS
5925.00†	5690.94	1517.77	433.36	14802.97	7065.23	2145.69	427.14	-47.23	1510.96	193.97	7.81	PASS
6025.00†	5786.39	1546.43	441.54	14811.50	7065.30	2145.62	435.68	-45.51	1412.33	197.08	7.19	PASS
6125.00†	5881.84	1575.10	449.73	14820.02	7065.36	2145.57	444.20	-43.72	1313.84	200.62	6.57	PASS
6225.00†	5977.30	1603.77	457.91	14828.53	7065.42	2145.53	452.71	-41.87	1215.55	204.70	5.96	PASS
6325.00†	6072.75	1632.43	466.10	14837.03	7065.48	2145.50	461.21	-39.97	1117.49	209.44	5.35	PASS
6425.00†	6168.20	1661.10	474.28	14845.52	7065.53	2145.48	469.69	-38.00	1019.73	215.06	4.75	PASS
6525.00†	6263.66	1689.76	482.47	14854.00	7065.58	2145.47	478.17	-35.97	922.37	221.80	4.17	PASS
6625.00†	6359.11	1718.43	490.65	14863.00	7065.63	2145.47	487.17	-33.76	825.56	230.04	3.60	PASS
6725.00†	6454.56	1747.09	498.84	14872.08	7065.67	2145.46	496.25	-31.46	729.50	240.34	3.04	PASS
6825.00†	6550.01	1775.76	507.02	14881.08	7065.72	2145.45	505.25	-29.14	634.53	253.52	2.51	PASS
6888.88	6610.99	1794.07	512.25	14886.78	7065.74	2145.44	510.95	-27.64	574.69	264.00	2.18	PASS
6925.00†	6645.37	1804.39	516.22	14891.05	7065.76	2145.43	515.22	-43.56	541.33	270.85	2.00	PASS
7025.00†	6738.80	1832.44	537.75	14913.64	7065.86	2145.35	537.82	-73.89	452.64	294.09	1.54	PASS
7125.00†	6827.86	1859.15	574.28	14951.03	7065.99	2145.14	575.21	-88.85	372.15	324.59	1.15	PASS
7225.00†	6910.36	1883.87	624.90	14999.33	7066.09	2145.11	623.50	-94.61	304.14	361.91	0.84	FAIL
7325.00†	6984.27	1905.99	688.37	15060.93	7066.12	2145.74	685.09	-93.54	253.37	400.27	0.63	FAIL
7425.00†	7047.75	1924.97	763.12	15135.68	7066.23	2146.87	759.84	-87.34	222.69	426.33	0.52	FAIL
7525.00†	7099.27	1940.34	847.32	15222.55	7066.22	2147.52	846.71	-78.08	209.80	430.36	0.49	FAIL
7540.20†	7105.96	1942.33	860.82	15235.71	7066.21	2147.57	859.86	-76.71	209.06	429.27	0.49	FAIL
7577.32†	7121.00	1946.81	894.45	15268.83	7066.24	2147.80	892.98	-73.43	208.33	425.45	0.49	FAIL
7625.00†	7137.53	1951.72	938.90	15312.53	7066.36	2148.31	936.68	-69.58	209.09	419.30	0.50	FAIL
7725.00†	7161.61	1958.83	1035.59	15315.00	7066.37	2148.34	939.15	-67.77	232.99	377.85	0.62	FAIL
7825.00†	7170.90	1961.50	1135.02	15315.00	7066.37	2148.34	939.15	-61.71	290.17	316.57	0.92	FAIL
7840.20	7171.00	1961.51	1150.22	15315.00	7066.37	2148.34	939.15	-60.43	300.67	308.29	0.98	FAIL
7925.00†	7170.58	1961.28	1235.02	15315.00	7066.37	2148.34	939.15	-60.43	365.23	267.88	1.36	PASS
8025.00†	7170.10	1961.00	1335.01	15315.00	7066.37	2148.34	939.15	-60.43	450.07	232.27	1.94	PASS
8125.00†	7169.61	1960.73	1435.01	15315.00	7066.37	2148.34	939.15	-60.43	540.12	206.87	2.62	PASS
8225.00†	7169.12	1960.46	1535.01	15315.00	7066.37	2148.34	939.15	-60.43	633.17	188.45	3.37	PASS
8325.00†	7168.63	1960.18	1635.01	15315.00	7066.37	2148.34	939.15	-60.43	728.06	174.74	4.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 46 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20) Well: HOOD 23N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8425.00†	7168.14	1959.91	1735.01	15315.00	7066.37	2148.34	939.15	-60.43	824.17	164.28	5.03	PASS
8525.00†	7167.65	1959.64	1835.01	15315.00	7066.37	2148.34	939.15	-60.43	921.10	156.11	5.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1771.00	1746.00	10.00	1751.74	800.94	-4936.86	814.22	-4924.15
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1741.89	800.94	-4936.86	813.86	-4924.54
8.5in Open Hole	1771.00	15315.00	13544.00	1751.74	7066.37	814.22	-4924.15	1054.78	-2182.03

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 23N-22C-M AWB
1712.00	15291.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1794-15291>	HOOD 23N-22C-M AWB
15291.00	15315.00	Blind Drilling (std)	Projection to bit	HOOD 23N-22C-M AWB



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 47 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 23N-22C-M AWP Offset Wellpath: HOOD 23N-22C-M AWP**

MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 48 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	30.05	90.00	30.05	1.56	48.48	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	30.05	90.00	30.05	1.88	31.72	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	30.05	90.00	30.05	2.29	21.88	PASS
225.00†	225.00	0.10	0.03	224.91	224.91	0.10	30.09	74.07	30.06	2.43	19.79	PASS
325.00†	324.96	2.62	0.75	324.57	324.53	2.56	30.94	74.16	30.19	3.10	13.68	PASS
425.00†	424.77	8.49	2.42	424.23	424.00	8.29	32.92	74.38	30.51	3.93	9.96	PASS
525.00†	524.30	17.71	5.06	523.89	523.20	17.28	36.03	74.72	31.00	4.76	7.91	PASS
625.00†	623.44	30.26	8.64	623.55	622.00	29.53	40.27	75.16	31.67	5.66	6.53	PASS
725.00†	722.07	46.13	13.17	723.20	720.30	45.03	45.63	75.68	32.53	6.69	5.51	PASS
825.00†	820.05	65.30	18.64	822.86	817.96	63.74	52.11	76.29	33.56	7.88	4.72	PASS
925.00†	917.29	87.74	25.05	922.65	915.07	85.42	59.61	77.39	34.70	9.21	4.09	PASS
1025.00†	1013.64	113.44	32.39	1022.58	1012.18	107.72	67.32	82.97	35.43	10.65	3.56	PASS
1067.21	1054.03	125.25	35.76	1064.72	1053.13	117.12	70.58	86.91	35.76	11.15	3.42	PASS
1125.00†	1109.19	141.82	40.49	1122.38	1109.16	129.98	75.03	92.83	36.51	12.28	3.14	PASS
1225.00†	1204.64	170.48	48.68	1222.16	1206.12	152.25	82.73	102.34	38.66	13.97	2.90	PASS
1325.00†	1300.09	199.15	56.86	1321.94	1303.09	174.51	90.43	110.65	41.75	15.53	2.80	PASS
1425.00†	1395.55	227.82	65.05	1421.73	1400.05	196.77	98.14	117.69	45.60	16.92	2.80	PASS
1525.00†	1491.00	256.48	73.23	1521.51	1497.01	219.03	105.84	123.56	50.02	18.15	2.85	PASS
1625.00†	1586.45	285.15	81.42	1621.29	1593.97	241.29	113.54	128.44	54.88	19.25	2.95	PASS
1725.00†	1681.91	313.81	89.60	1721.07	1690.93	263.55	121.24	132.50	60.07	20.26	3.06	PASS
1825.00†	1777.36	342.48	97.79	1820.86	1787.89	285.81	128.95	135.91	65.52	20.33	3.30	PASS
1925.00†	1872.81	371.14	105.97	1920.64	1884.86	308.07	136.65	138.78	71.16	20.10	3.63	PASS
2025.00†	1968.27	399.81	114.15	2020.42	1981.82	330.34	144.35	141.23	76.96	19.97	3.96	PASS
2125.00†	2063.72	428.48	122.34	2120.20	2078.78	352.60	152.05	143.33	82.87	19.96	4.27	PASS
2225.00†	2159.17	457.14	130.52	2219.98	2175.74	374.86	159.76	145.15	88.88	20.06	4.56	PASS
2325.00†	2254.63	485.81	138.71	2319.77	2272.70	397.12	167.46	146.73	94.97	20.26	4.82	PASS
2425.00†	2350.08	514.47	146.89	2419.55	2369.66	419.38	175.16	148.13	101.12	20.56	5.06	PASS
2525.00†	2445.53	543.14	155.08	2519.33	2466.63	441.64	182.86	149.36	107.32	20.94	5.27	PASS
2625.00†	2540.98	571.80	163.26	2619.11	2563.59	463.90	190.57	150.46	113.57	21.40	5.45	PASS
2725.00†	2636.44	600.47	171.45	2718.89	2660.55	486.16	198.27	151.45	119.86	21.93	5.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 49 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2818.68	2757.51	508.43	205.97	152.33	126.18	22.53	5.75	PASS
2925.00†	2827.34	657.80	187.82	2918.46	2854.47	530.69	213.67	153.14	132.52	23.18	5.87	PASS
3025.00†	2922.80	686.47	196.00	3018.24	2951.44	552.95	221.38	153.86	138.89	23.88	5.96	PASS
3125.00†	3018.25	715.13	204.19	3118.02	3048.40	575.21	229.08	154.53	145.28	24.63	6.04	PASS
3225.00†	3113.70	743.80	212.37	3217.81	3145.36	597.47	236.78	155.14	151.69	25.42	6.11	PASS
3325.00†	3209.16	772.46	220.56	3317.59	3242.32	619.73	244.49	155.70	158.11	26.24	6.16	PASS
3425.00†	3304.61	801.13	228.74	3417.37	3339.28	641.99	252.19	156.21	164.55	27.10	6.21	PASS
3525.00†	3400.06	829.79	236.93	3517.15	3436.24	664.26	259.89	156.69	171.00	27.99	6.24	PASS
3625.00†	3495.52	858.46	245.11	3616.93	3533.21	686.52	267.59	157.13	177.46	28.90	6.27	PASS
3725.00†	3590.97	887.13	253.29	3716.72	3630.17	708.78	275.30	157.54	183.92	29.84	6.29	PASS
3825.00†	3686.42	915.79	261.48	3816.50	3727.13	731.04	283.00	157.92	190.40	30.79	6.31	PASS
3925.00†	3781.88	944.46	269.66	3916.28	3824.09	753.30	290.70	158.28	196.89	31.77	6.32	PASS
4025.00†	3877.33	973.12	277.85	4016.06	3921.05	775.56	298.40	158.61	203.38	32.76	6.32	PASS
4125.00†	3972.78	1001.79	286.03	4115.84	4018.01	797.82	306.11	158.93	209.88	33.77	6.33	PASS
4225.00†	4068.23	1030.45	294.22	4215.63	4114.98	820.08	313.81	159.22	216.39	34.79	6.33	PASS
4325.00†	4163.69	1059.12	302.40	4315.41	4211.94	842.35	321.51	159.50	222.90	35.82	6.33	PASS
4425.00†	4259.14	1087.78	310.59	4415.19	4308.90	864.61	329.21	159.76	229.41	36.86	6.33	PASS
4525.00†	4354.59	1116.45	318.77	4514.97	4405.86	886.87	336.92	160.01	235.93	37.92	6.32	PASS
4625.00†	4450.05	1145.12	326.96	4614.76	4502.82	909.13	344.62	160.25	242.46	38.98	6.32	PASS
4725.00†	4545.50	1173.78	335.14	4714.54	4599.78	931.39	352.32	160.47	248.99	40.05	6.31	PASS
4825.00†	4640.95	1202.45	343.33	4814.32	4696.75	953.65	360.03	160.68	255.52	41.13	6.30	PASS
4925.00†	4736.41	1231.11	351.51	4914.10	4793.71	975.91	367.73	160.88	262.06	42.22	6.30	PASS
5025.00†	4831.86	1259.78	359.70	5013.88	4890.67	998.18	375.43	161.07	268.59	43.31	6.29	PASS
5125.00†	4927.31	1288.44	367.88	5113.67	4987.63	1020.44	383.13	161.25	275.13	44.41	6.28	PASS
5225.00†	5022.77	1317.11	376.07	5213.45	5084.59	1042.70	390.84	161.42	281.68	45.52	6.27	PASS
5325.00†	5118.22	1345.78	384.25	5313.23	5181.56	1064.96	398.54	161.59	288.22	46.63	6.26	PASS
5425.00†	5213.67	1374.44	392.43	5413.01	5278.52	1087.22	406.24	161.75	294.77	47.74	6.25	PASS
5525.00†	5309.12	1403.11	400.62	5512.79	5375.48	1109.48	413.94	161.90	301.32	48.86	6.24	PASS
5625.00†	5404.58	1431.77	408.80	5612.58	5472.44	1131.74	421.65	162.04	307.88	49.99	6.23	PASS
5725.00†	5500.03	1460.44	416.99	5712.36	5569.40	1154.00	429.35	162.18	314.43	51.11	6.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 50 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5812.14	5666.36	1176.27	437.05	162.31	320.99	52.25	6.21	PASS
5925.00†	5690.94	1517.77	433.36	5911.92	5763.33	1198.53	444.75	162.44	327.54	53.38	6.21	PASS
6025.00†	5786.39	1546.43	441.54	6011.71	5860.29	1220.79	452.46	162.56	334.10	54.52	6.20	PASS
6125.00†	5881.84	1575.10	449.73	6111.49	5957.25	1243.05	460.16	162.68	340.66	55.66	6.19	PASS
6225.00†	5977.30	1603.77	457.91	6211.27	6054.21	1265.31	467.86	162.79	347.23	56.80	6.18	PASS
6325.00†	6072.75	1632.43	466.10	6311.05	6151.17	1287.57	475.56	162.90	353.79	57.95	6.17	PASS
6425.00†	6168.20	1661.10	474.28	6410.83	6248.13	1309.83	483.27	163.01	360.36	59.09	6.16	PASS
6525.00†	6263.66	1689.76	482.47	6510.62	6345.10	1332.09	490.97	163.11	366.92	60.24	6.15	PASS
6625.00†	6359.11	1718.43	490.65	6610.40	6442.06	1354.36	498.67	163.21	373.49	61.40	6.14	PASS
6725.00†	6454.56	1747.09	498.84	6710.18	6539.02	1376.62	506.38	163.30	380.06	62.55	6.13	PASS
6825.00†	6550.01	1775.76	507.02	6809.44	6635.36	1398.74	515.25	163.21	386.65	63.71	6.13	PASS
6888.88	6610.99	1794.07	512.25	6871.66	6694.91	1412.40	526.87	162.26	391.06	64.70	6.10	PASS
6925.00†	6645.37	1804.39	516.22	6906.28	6727.48	1419.87	535.90	151.79	393.69	64.92	6.12	PASS
7025.00†	6738.80	1832.44	537.75	7000.76	6813.41	1439.56	569.62	129.72	401.17	66.29	6.11	PASS
7125.00†	6827.86	1859.15	574.28	7093.40	6892.06	1457.56	615.00	115.93	408.72	67.84	6.08	PASS
7225.00†	6910.36	1883.87	624.90	7184.49	6962.33	1473.63	670.55	107.01	416.03	69.59	6.03	PASS
7325.00†	6984.27	1905.99	688.37	7274.25	7023.33	1487.55	734.81	100.91	422.81	71.71	5.95	PASS
7425.00†	7047.75	1924.97	763.12	7362.92	7074.36	1499.18	806.30	96.61	428.80	74.35	5.81	PASS
7525.00†	7099.27	1940.34	847.32	7450.74	7114.89	1508.38	883.58	93.58	433.75	77.60	5.63	PASS
7625.00†	7137.53	1951.72	938.90	7537.91	7144.49	1515.07	965.23	91.54	437.49	81.43	5.41	PASS
7725.00†	7161.61	1958.83	1035.59	7624.66	7162.90	1519.19	1049.83	90.33	439.87	85.70	5.17	PASS
7825.00†	7170.90	1961.50	1135.02	7711.17	7169.93	1520.68	1135.98	89.88	440.81	90.41	4.91	PASS
7840.20	7171.00	1961.51	1150.22	7724.36	7170.00	1520.68	1149.16	89.87	440.83	90.86	4.88	PASS
7925.00†	7170.58	1961.28	1235.02	7809.16	7169.62	1520.48	1233.96	89.87	440.80	95.62	4.64	PASS
8025.00†	7170.10	1961.00	1335.01	7909.16	7169.17	1520.24	1333.96	89.88	440.76	101.73	4.36	PASS
8125.00†	7169.61	1960.73	1435.01	8009.16	7168.72	1520.00	1433.96	89.89	440.73	108.29	4.09	PASS
8225.00†	7169.12	1960.46	1535.01	8109.16	7168.27	1519.77	1533.96	89.89	440.69	115.22	3.84	PASS
8325.00†	7168.63	1960.18	1635.01	8209.16	7167.82	1519.53	1633.96	89.90	440.66	122.46	3.61	PASS
8425.00†	7168.14	1959.91	1735.01	8309.16	7167.37	1519.29	1733.95	89.90	440.62	129.95	3.40	PASS
8525.00†	7167.65	1959.64	1835.01	8409.16	7166.92	1519.05	1833.95	89.91	440.59	137.66	3.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 51 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7167.16	1959.37	1935.00	8509.16	7166.47	1518.81	1933.95	89.91	440.55	145.56	3.04	PASS	
8725.00†	7166.67	1959.09	2035.00	8609.16	7166.03	1518.57	2033.95	89.92	440.52	153.60	2.88	PASS	
8825.00†	7166.18	1958.82	2135.00	8709.16	7165.58	1518.34	2133.95	89.92	440.49	161.77	2.73	PASS	
8925.00†	7165.69	1958.55	2235.00	8809.16	7165.13	1518.10	2233.95	89.93	440.45	170.06	2.60	PASS	
9025.00†	7165.20	1958.27	2335.00	8909.16	7164.68	1517.86	2333.95	89.93	440.42	178.44	2.47	PASS	
9125.00†	7164.71	1958.00	2435.00	9009.16	7164.23	1517.62	2433.95	89.94	440.38	186.90	2.36	PASS	
9225.00†	7164.22	1957.73	2534.99	9109.16	7163.78	1517.38	2533.94	89.94	440.35	195.44	2.26	PASS	
9325.00†	7163.73	1957.46	2634.99	9209.16	7163.33	1517.15	2633.94	89.95	440.31	204.04	2.16	PASS	
9425.00†	7163.24	1957.18	2734.99	9309.16	7162.88	1516.91	2733.94	89.95	440.28	212.69	2.07	PASS	
9525.00†	7162.75	1956.91	2834.99	9409.16	7162.43	1516.67	2833.94	89.96	440.24	221.39	1.99	PASS	
9625.00†	7162.26	1956.64	2934.99	9509.16	7161.98	1516.43	2933.94	89.96	440.21	230.14	1.92	PASS	
9725.00†	7161.77	1956.36	3034.99	9609.16	7161.53	1516.19	3033.94	89.97	440.17	238.92	1.84	PASS	
9825.00†	7161.28	1956.09	3134.99	9709.16	7161.09	1515.95	3133.94	89.98	440.14	247.74	1.78	PASS	
9925.00†	7160.79	1955.82	3234.98	9809.16	7160.64	1515.72	3233.93	89.98	440.10	256.59	1.72	PASS	
10025.00†	7160.30	1955.55	3334.98	9909.16	7160.19	1515.48	3333.93	89.99	440.07	265.47	1.66	PASS	
10125.00†	7159.81	1955.27	3434.98	10009.16	7159.74	1515.24	3433.93	89.99	440.04	274.37	1.61	PASS	
10225.00†	7159.32	1955.00	3534.98	10109.16	7159.29	1515.00	3533.93	90.00	440.00	283.29	1.55	PASS	
10325.00†	7158.83	1954.73	3634.98	10209.16	7158.84	1514.76	3633.93	90.00	439.97	292.24	1.51	PASS	
10425.00†	7158.34	1954.45	3734.98	10309.16	7158.39	1514.52	3733.93	90.01	439.93	301.20	1.46	PASS	
10525.00†	7157.85	1954.18	3834.97	10409.16	7157.94	1514.29	3833.93	90.01	439.90	310.18	1.42	PASS	
10625.00†	7157.36	1953.91	3934.97	10509.16	7157.49	1514.05	3933.93	90.02	439.86	319.18	1.38	PASS	
10725.00†	7156.87	1953.64	4034.97	10609.16	7157.04	1513.81	4033.92	90.02	439.83	328.19	1.34	PASS	
10825.00†	7156.38	1953.36	4134.97	10709.16	7156.60	1513.57	4133.92	90.03	439.79	337.21	1.30	PASS	
10925.00†	7155.89	1953.09	4234.97	10809.16	7156.15	1513.33	4233.92	90.03	439.76	346.25	1.27	PASS	
11025.00†	7155.40	1952.82	4334.97	10909.16	7155.70	1513.10	4333.92	90.04	439.72	355.29	1.24	PASS	
11125.00†	7154.92	1952.55	4434.96	11009.16	7155.25	1512.86	4433.92	90.04	439.69	364.35	1.21	PASS	
11225.00†	7154.43	1952.27	4534.96	11109.16	7154.80	1512.62	4533.92	90.05	439.66	373.42	1.18	PASS	
11325.00†	7153.94	1952.00	4634.96	11209.16	7154.35	1512.38	4633.92	90.05	439.62	382.50	1.15	PASS	
11425.00†	7153.45	1951.73	4734.96	11309.16	7153.90	1512.14	4733.91	90.06	439.59	391.58	1.12	PASS	
11525.00†	7152.96	1951.45	4834.96	11409.16	7153.45	1511.90	4833.91	90.07	439.55	400.67	1.10	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 52 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	11509.16	7153.00	1511.67	4933.91	90.07	439.52	409.77	1.07	PASS
11725.00†	7151.98	1950.91	5034.96	11609.16	7152.55	1511.43	5033.91	90.08	439.48	418.88	1.05	PASS
11825.00†	7151.49	1950.64	5134.95	11709.16	7152.11	1511.19	5133.91	90.08	439.45	427.99	1.03	PASS
11925.00†	7151.00	1950.36	5234.95	11809.16	7151.66	1510.95	5233.91	90.09	439.41	437.11	1.01	PASS
12025.00†	7150.51	1950.09	5334.95	11909.16	7151.21	1510.71	5333.91	90.09	439.38	446.23	0.98	FAIL
12125.00†	7150.02	1949.82	5434.95	12009.16	7150.76	1510.47	5433.91	90.10	439.34	455.36	0.96	FAIL
12225.00†	7149.53	1949.54	5534.95	12109.16	7150.31	1510.24	5533.90	90.10	439.31	464.50	0.95	FAIL
12325.00†	7149.04	1949.27	5634.95	12209.16	7149.86	1510.00	5633.90	90.11	439.28	473.64	0.93	FAIL
12425.00†	7148.55	1949.00	5734.94	12309.16	7149.41	1509.76	5733.90	90.11	439.24	482.78	0.91	FAIL
12525.00†	7148.06	1948.73	5834.94	12409.16	7148.96	1509.52	5833.90	90.12	439.21	491.93	0.89	FAIL
12625.00†	7147.57	1948.45	5934.94	12509.16	7148.51	1509.28	5933.90	90.12	439.17	501.08	0.88	FAIL
12725.00†	7147.08	1948.18	6034.94	12609.16	7148.06	1509.05	6033.90	90.13	439.14	510.23	0.86	FAIL
12825.00†	7146.59	1947.91	6134.94	12709.16	7147.61	1508.81	6133.90	90.13	439.10	519.39	0.85	FAIL
12925.00†	7146.10	1947.63	6234.94	12809.16	7147.17	1508.57	6233.90	90.14	439.07	528.55	0.83	FAIL
13025.00†	7145.61	1947.36	6334.94	12909.16	7146.72	1508.33	6333.89	90.14	439.03	537.72	0.82	FAIL
13125.00†	7145.12	1947.09	6434.93	13009.16	7146.27	1508.09	6433.89	90.15	439.00	546.89	0.80	FAIL
13225.00†	7144.63	1946.82	6534.93	13109.16	7145.82	1507.85	6533.89	90.16	438.97	556.06	0.79	FAIL
13325.00†	7144.14	1946.54	6634.93	13209.16	7145.37	1507.62	6633.89	90.16	438.93	565.23	0.78	FAIL
13425.00†	7143.65	1946.27	6734.93	13309.16	7144.92	1507.38	6733.89	90.17	438.90	574.41	0.76	FAIL
13525.00†	7143.16	1946.00	6834.93	13409.16	7144.47	1507.14	6833.89	90.17	438.86	583.58	0.75	FAIL
13625.00†	7142.67	1945.72	6934.93	13509.16	7144.02	1506.90	6933.89	90.18	438.83	592.77	0.74	FAIL
13725.00†	7142.18	1945.45	7034.92	13609.16	7143.57	1506.66	7033.88	90.18	438.79	601.95	0.73	FAIL
13825.00†	7141.69	1945.18	7134.92	13709.16	7143.12	1506.42	7133.88	90.19	438.76	611.13	0.72	FAIL
13925.00†	7141.20	1944.91	7234.92	13809.16	7142.68	1506.19	7233.88	90.19	438.72	620.32	0.71	FAIL
14025.00†	7140.71	1944.63	7334.92	13909.16	7142.23	1505.95	7333.88	90.20	438.69	629.51	0.70	FAIL
14125.00†	7140.23	1944.36	7434.92	14009.16	7141.78	1505.71	7433.88	90.20	438.66	638.70	0.69	FAIL
14225.00†	7139.74	1944.09	7534.92	14109.16	7141.33	1505.47	7533.88	90.21	438.62	647.89	0.68	FAIL
14325.00†	7139.25	1943.82	7634.91	14209.16	7140.88	1505.23	7633.88	90.21	438.59	657.09	0.67	FAIL
14425.00†	7138.76	1943.54	7734.91	14309.16	7140.43	1505.00	7733.88	90.22	438.55	666.28	0.66	FAIL
14525.00†	7138.27	1943.27	7834.91	14409.16	7139.98	1504.76	7833.87	90.22	438.52	675.48	0.65	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 53 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14509.16	7139.53	1504.52	7933.87	90.23	438.48	684.68	0.64	FAIL
14725.00†	7137.29	1942.72	8034.91	14609.16	7139.08	1504.28	8033.87	90.24	438.45	693.88	0.63	FAIL
14825.00†	7136.80	1942.45	8134.91	14709.16	7138.63	1504.04	8133.87	90.24	438.41	703.08	0.62	FAIL
14925.00†	7136.31	1942.18	8234.91	14809.16	7138.18	1503.80	8233.87	90.25	438.38	712.29	0.62	FAIL
15025.00†	7135.82	1941.91	8334.90	14909.16	7137.74	1503.57	8333.87	90.25	438.35	721.49	0.61	FAIL
15125.00†	7135.33	1941.63	8434.90	15009.16	7137.29	1503.33	8433.87	90.26	438.31	730.70	0.60	FAIL
15192.09	7135.00	1941.45	8501.99	15072.98	7137.00	1503.18	8497.69	90.26	438.30	736.56	0.59	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1719.04	0.00	18.32	82.30	46.80
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.04	0.00	18.32	82.30	46.80
8.5in Open Hole	1750.00	15072.98	13322.98	1719.04	N/A	82.30	46.80	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8C-23-M PWB
1750.00	15072.98	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8C-23-M PWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 54 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8C-23-M PWB Offset Wellpath: TROUDT 8C-23-M PWP (REV-A.0)</b>	
--	--

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 55 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-30.05	-90.00	30.05	1.56	48.48	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-30.05	-90.00	30.05	1.88	31.74	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-30.05	-90.00	30.05	2.29	21.89	PASS
225.00†	225.00	0.10	0.03	225.06	225.06	0.11	-30.03	-105.93	30.06	2.43	19.80	PASS
325.00†	324.96	2.62	0.75	325.32	325.28	2.66	-29.39	-105.87	30.14	3.08	13.77	PASS
425.00†	424.77	8.49	2.42	425.57	425.33	8.62	-27.92	-105.74	30.35	3.87	10.10	PASS
525.00†	524.30	17.71	5.06	525.82	525.12	17.97	-25.61	-105.52	30.68	4.69	7.98	PASS
625.00†	623.44	30.26	8.64	626.07	624.50	30.70	-22.46	-105.24	31.12	5.60	6.51	PASS
725.00†	722.07	46.13	13.17	726.31	723.36	46.80	-18.48	-104.89	31.68	6.64	5.41	PASS
825.00†	820.05	65.30	18.64	826.56	821.57	66.25	-13.67	-104.49	32.36	7.85	4.56	PASS
925.00†	917.29	87.74	25.05	926.80	919.02	89.02	-8.04	-104.04	33.16	9.24	3.89	PASS
1025.00†	1013.64	113.44	32.39	1027.03	1015.59	115.08	-1.59	-103.55	34.08	10.83	3.35	PASS
1067.21	1054.03	125.25	35.76	1069.34	1056.06	127.07	1.37	-103.33	34.50	11.58	3.16	PASS
1125.00†	1109.19	141.82	40.49	1127.26	1111.15	144.41	5.66	-102.11	34.99	12.60	2.92	PASS
1225.00†	1204.64	170.48	48.68	1227.33	1205.45	176.91	13.69	-95.67	35.58	14.52	2.55	PASS
1325.00†	1300.09	199.15	56.86	1327.14	1298.65	211.58	22.27	-85.68	36.79	16.56	2.30	PASS
1425.00†	1395.55	227.82	65.05	1426.92	1391.80	246.32	30.86	-76.45	39.06	18.46	2.18	PASS
1525.00†	1491.00	256.48	73.23	1526.71	1484.94	281.07	39.45	-68.41	42.22	20.12	2.15	PASS
1625.00†	1586.45	285.15	81.42	1626.50	1578.09	315.82	48.04	-61.60	46.09	21.54	2.19	PASS
1725.00†	1681.91	313.81	89.60	1726.28	1671.23	350.57	56.64	-55.91	50.51	22.75	2.27	PASS
1825.00†	1777.36	342.48	97.79	1826.07	1764.38	385.32	65.23	-51.17	55.35	22.77	2.48	PASS
1925.00†	1872.81	371.14	105.97	1925.86	1857.53	420.07	73.82	-47.22	60.50	22.32	2.77	PASS
2025.00†	1968.27	399.81	114.15	2025.65	1950.67	454.82	82.41	-43.90	65.90	22.02	3.06	PASS
2125.00†	2063.72	428.48	122.34	2125.43	2043.82	489.57	91.01	-41.08	71.48	21.86	3.35	PASS
2225.00†	2159.17	457.14	130.52	2225.22	2136.96	524.32	99.60	-38.68	77.21	21.85	3.62	PASS
2325.00†	2254.63	485.81	138.71	2325.01	2230.11	559.07	108.19	-36.62	83.06	21.96	3.88	PASS
2425.00†	2350.08	514.47	146.89	2424.80	2323.26	593.81	116.79	-34.83	89.00	22.19	4.11	PASS
2525.00†	2445.53	543.14	155.08	2524.58	2416.40	628.56	125.38	-33.26	95.02	22.52	4.32	PASS
2625.00†	2540.98	571.80	163.26	2624.37	2509.55	663.31	133.97	-31.88	101.09	22.95	4.51	PASS
2725.00†	2636.44	600.47	171.45	2724.16	2602.69	698.06	142.56	-30.66	107.22	23.46	4.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 56 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2823.95	2695.84	732.81	151.16	-29.57	113.40	24.05	4.83	PASS
2925.00†	2827.34	657.80	187.82	2923.73	2788.99	767.56	159.75	-28.59	119.61	24.70	4.96	PASS
3025.00†	2922.80	686.47	196.00	3023.52	2882.13	802.31	168.34	-27.71	125.85	25.42	5.06	PASS
3125.00†	3018.25	715.13	204.19	3123.31	2975.28	837.06	176.93	-26.91	132.12	26.19	5.16	PASS
3225.00†	3113.70	743.80	212.37	3223.09	3068.42	871.81	185.53	-26.19	138.41	27.00	5.24	PASS
3325.00†	3209.16	772.46	220.56	3322.88	3161.57	906.55	194.12	-25.53	144.72	27.86	5.30	PASS
3425.00†	3304.61	801.13	228.74	3422.67	3254.72	941.30	202.71	-24.92	151.05	28.75	5.36	PASS
3525.00†	3400.06	829.79	236.93	3522.46	3347.86	976.05	211.30	-24.36	157.39	29.68	5.41	PASS
3625.00†	3495.52	858.46	245.11	3622.24	3441.01	1010.80	219.90	-23.85	163.75	30.64	5.45	PASS
3725.00†	3590.97	887.13	253.29	3722.03	3534.16	1045.55	228.49	-23.37	170.12	31.62	5.48	PASS
3825.00†	3686.42	915.79	261.48	3821.82	3627.30	1080.30	237.08	-22.93	176.50	32.62	5.51	PASS
3925.00†	3781.88	944.46	269.66	3921.61	3720.45	1115.05	245.67	-22.52	182.89	33.65	5.53	PASS
4025.00†	3877.33	973.12	277.85	4021.39	3813.59	1149.80	254.27	-22.14	189.29	34.69	5.55	PASS
4125.00†	3972.78	1001.79	286.03	4121.18	3906.74	1184.55	262.86	-21.78	195.70	35.76	5.56	PASS
4225.00†	4068.23	1030.45	294.22	4220.97	3999.89	1219.30	271.45	-21.44	202.12	36.83	5.58	PASS
4325.00†	4163.69	1059.12	302.40	4320.75	4093.03	1254.04	280.05	-21.13	208.54	37.92	5.58	PASS
4425.00†	4259.14	1087.78	310.59	4420.54	4186.18	1288.79	288.64	-20.83	214.97	39.03	5.59	PASS
4525.00†	4354.59	1116.45	318.77	4520.33	4279.32	1323.54	297.23	-20.56	221.40	40.14	5.60	PASS
4625.00†	4450.05	1145.12	326.96	4620.12	4372.47	1358.29	305.82	-20.29	227.83	41.27	5.60	PASS
4725.00†	4545.50	1173.78	335.14	4719.90	4465.62	1393.04	314.42	-20.04	234.28	42.40	5.60	PASS
4825.00†	4640.95	1202.45	343.33	4819.69	4558.76	1427.79	323.01	-19.81	240.72	43.54	5.60	PASS
4925.00†	4736.41	1231.11	351.51	4919.48	4651.91	1462.54	331.60	-19.59	247.17	44.69	5.60	PASS
5025.00†	4831.86	1259.78	359.70	5019.27	4745.05	1497.29	340.19	-19.37	253.63	45.85	5.60	PASS
5125.00†	4927.31	1288.44	367.88	5119.05	4838.20	1532.04	348.79	-19.17	260.08	47.01	5.60	PASS
5225.00†	5022.77	1317.11	376.07	5218.84	4931.35	1566.79	357.38	-18.98	266.54	48.18	5.60	PASS
5325.00†	5118.22	1345.78	384.25	5318.63	5024.49	1601.53	365.97	-18.80	273.00	49.36	5.60	PASS
5425.00†	5213.67	1374.44	392.43	5418.41	5117.64	1636.28	374.56	-18.63	279.47	50.54	5.59	PASS
5525.00†	5309.12	1403.11	400.62	5518.20	5210.78	1671.03	383.16	-18.46	285.94	51.72	5.59	PASS
5625.00†	5404.58	1431.77	408.80	5617.99	5303.93	1705.78	391.75	-18.30	292.41	52.91	5.59	PASS
5725.00†	5500.03	1460.44	416.99	5717.78	5397.08	1740.53	400.34	-18.15	298.88	54.11	5.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 57 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5817.56	5490.22	1775.28	408.93	-18.01	305.35	55.31	5.58	PASS
5925.00†	5690.94	1517.77	433.36	5917.35	5583.37	1810.03	417.53	-17.86	311.83	56.51	5.58	PASS
6025.00†	5786.39	1546.43	441.54	6017.14	5676.51	1844.78	426.12	-17.73	318.31	57.71	5.57	PASS
6125.00†	5881.84	1575.10	449.73	6116.93	5769.66	1879.53	434.71	-17.60	324.79	58.92	5.57	PASS
6225.00†	5977.30	1603.77	457.91	6216.71	5862.81	1914.27	443.31	-17.48	331.27	60.13	5.56	PASS
6325.00†	6072.75	1632.43	466.10	6316.50	5955.95	1949.02	451.90	-17.36	337.75	61.34	5.56	PASS
6425.00†	6168.20	1661.10	474.28	6416.29	6049.10	1983.77	460.49	-17.25	344.23	62.56	5.55	PASS
6525.00†	6263.66	1689.76	482.47	6516.08	6142.24	2018.52	469.08	-17.14	350.72	63.78	5.55	PASS
6625.00†	6359.11	1718.43	490.65	6615.86	6235.39	2053.27	477.68	-17.03	357.20	65.00	5.55	PASS
6725.00†	6454.56	1747.09	498.84	6715.65	6328.54	2088.02	486.27	-16.93	363.69	66.22	5.54	PASS
6825.00†	6550.01	1775.76	507.02	6815.44	6421.68	2122.77	494.86	-16.83	370.18	67.44	5.54	PASS
6888.88	6610.99	1794.07	512.25	6879.18	6481.18	2144.97	500.35	-16.77	374.32	68.23	5.53	PASS
6925.00†	6645.37	1804.39	516.22	6915.21	6514.81	2157.51	503.45	-26.16	376.70	68.68	5.53	PASS
7025.00†	6738.80	1832.44	537.75	7014.04	6607.07	2191.93	511.96	-46.87	383.74	69.99	5.53	PASS
7125.00†	6827.86	1859.15	574.28	7116.15	6701.77	2227.25	525.86	-61.01	392.11	71.56	5.52	PASS
7225.00†	6910.36	1883.87	624.90	7223.64	6797.93	2263.12	557.37	-70.45	401.29	73.43	5.51	PASS
7325.00†	6984.27	1905.99	688.37	7335.96	6891.62	2298.04	608.22	-77.12	410.75	75.64	5.47	PASS
7425.00†	7047.75	1924.97	763.12	7453.25	6978.93	2330.58	679.17	-81.99	419.88	78.22	5.41	PASS
7525.00†	7099.27	1940.34	847.32	7575.39	7055.31	2359.02	769.89	-85.55	428.05	81.32	5.30	PASS
7625.00†	7137.53	1951.72	938.90	7701.84	7115.81	2381.53	878.39	-88.03	434.59	85.60	5.11	PASS
7725.00†	7161.61	1958.83	1035.59	7831.64	7155.80	2396.37	1000.74	-89.54	438.97	89.19	4.95	PASS
7825.00†	7170.90	1961.50	1135.02	7963.38	7171.80	2402.27	1131.13	-90.12	440.79	93.73	4.73	PASS
7840.20	7171.00	1961.51	1150.22	7983.47	7172.00	2402.33	1151.22	-90.13	440.83	94.43	4.70	PASS
7925.00†	7170.58	1961.28	1235.02	8068.43	7171.54	2402.11	1236.18	-90.12	440.84	99.03	4.48	PASS
8025.00†	7170.10	1961.00	1335.01	8168.43	7171.00	2401.85	1336.18	-90.12	440.85	104.94	4.22	PASS
8125.00†	7169.61	1960.73	1435.01	8268.43	7170.45	2401.58	1436.18	-90.11	440.86	111.30	3.98	PASS
8225.00†	7169.12	1960.46	1535.01	8368.43	7169.91	2401.32	1536.17	-90.10	440.87	118.06	3.75	PASS
8325.00†	7168.63	1960.18	1635.01	8468.43	7169.37	2401.06	1636.17	-90.10	440.88	125.13	3.54	PASS
8425.00†	7168.14	1959.91	1735.01	8568.43	7168.82	2400.79	1736.17	-90.09	440.89	132.47	3.34	PASS
8525.00†	7167.65	1959.64	1835.01	8668.43	7168.28	2400.53	1836.17	-90.08	440.90	140.04	3.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 58 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	8768.43	7167.73	2400.27	1936.17	-90.08	440.91	147.81	2.99	PASS
8725.00†	7166.67	1959.09	2035.00	8868.43	7167.19	2400.01	2036.16	-90.07	440.92	155.74	2.84	PASS
8825.00†	7166.18	1958.82	2135.00	8968.43	7166.65	2399.74	2136.16	-90.06	440.93	163.80	2.70	PASS
8925.00†	7165.69	1958.55	2235.00	9068.43	7166.10	2399.48	2236.16	-90.05	440.94	171.99	2.57	PASS
9025.00†	7165.20	1958.27	2335.00	9168.43	7165.56	2399.22	2336.16	-90.05	440.95	180.28	2.45	PASS
9125.00†	7164.71	1958.00	2435.00	9268.43	7165.01	2398.95	2436.16	-90.04	440.96	188.66	2.34	PASS
9225.00†	7164.22	1957.73	2534.99	9368.43	7164.47	2398.69	2536.15	-90.03	440.97	197.12	2.24	PASS
9325.00†	7163.73	1957.46	2634.99	9468.43	7163.93	2398.43	2636.15	-90.03	440.97	205.65	2.15	PASS
9425.00†	7163.24	1957.18	2734.99	9568.43	7163.38	2398.17	2736.15	-90.02	440.99	214.24	2.06	PASS
9525.00†	7162.75	1956.91	2834.99	9668.43	7162.84	2397.90	2836.15	-90.01	441.00	222.88	1.98	PASS
9625.00†	7162.26	1956.64	2934.99	9768.43	7162.30	2397.64	2936.15	-90.01	441.01	231.57	1.91	PASS
9725.00†	7161.77	1956.36	3034.99	9868.43	7161.75	2397.38	3036.15	-90.00	441.02	240.30	1.84	PASS
9825.00†	7161.28	1956.09	3134.99	9968.43	7161.21	2397.12	3136.14	-89.99	441.03	249.07	1.77	PASS
9925.00†	7160.79	1955.82	3234.98	10068.43	7160.66	2396.85	3236.14	-89.98	441.04	257.87	1.71	PASS
10025.00†	7160.30	1955.55	3334.98	10168.43	7160.12	2396.59	3336.14	-89.98	441.05	266.71	1.66	PASS
10125.00†	7159.81	1955.27	3434.98	10268.43	7159.58	2396.33	3436.14	-89.97	441.06	275.57	1.60	PASS
10225.00†	7159.32	1955.00	3534.98	10368.43	7159.03	2396.06	3536.14	-89.96	441.07	284.46	1.55	PASS
10325.00†	7158.83	1954.73	3634.98	10468.43	7158.49	2395.80	3636.13	-89.96	441.08	293.37	1.50	PASS
10425.00†	7158.34	1954.45	3734.98	10568.43	7157.94	2395.54	3736.13	-89.95	441.09	302.30	1.46	PASS
10525.00†	7157.85	1954.18	3834.97	10668.43	7157.40	2395.28	3836.13	-89.94	441.10	311.25	1.42	PASS
10625.00†	7157.36	1953.91	3934.97	10768.43	7156.86	2395.01	3936.13	-89.93	441.11	320.21	1.38	PASS
10725.00†	7156.87	1953.64	4034.97	10868.43	7156.31	2394.75	4036.13	-89.93	441.12	329.19	1.34	PASS
10825.00†	7156.38	1953.36	4134.97	10968.43	7155.77	2394.49	4136.13	-89.92	441.13	338.19	1.31	PASS
10925.00†	7155.89	1953.09	4234.97	11068.43	7155.23	2394.22	4236.12	-89.91	441.14	347.20	1.27	PASS
11025.00†	7155.40	1952.82	4334.97	11168.43	7154.68	2393.96	4336.12	-89.91	441.15	356.23	1.24	PASS
11125.00†	7154.92	1952.55	4434.96	11268.43	7154.14	2393.70	4436.12	-89.90	441.16	365.26	1.21	PASS
11225.00†	7154.43	1952.27	4534.96	11368.43	7153.59	2393.44	4536.12	-89.89	441.17	374.31	1.18	PASS
11325.00†	7153.94	1952.00	4634.96	11468.43	7153.05	2393.17	4636.12	-89.89	441.18	383.36	1.15	PASS
11425.00†	7153.45	1951.73	4734.96	11568.43	7152.51	2392.91	4736.11	-89.88	441.19	392.43	1.12	PASS
11525.00†	7152.96	1951.45	4834.96	11668.43	7151.96	2392.65	4836.11	-89.87	441.20	401.50	1.10	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
Closest Approach  
Page 59 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
11625.00†	7152.47	1951.18	4934.96	11768.43	7151.42	2392.39	4936.11	-89.86	441.21	410.58	1.07	PASS	
11725.00†	7151.98	1950.91	5034.96	11868.43	7150.87	2392.12	5036.11	-89.86	441.22	419.67	1.05	PASS	
11825.00†	7151.49	1950.64	5134.95	11968.43	7150.33	2391.86	5136.11	-89.85	441.23	428.77	1.03	PASS	
11925.00†	7151.00	1950.36	5234.95	12068.43	7149.79	2391.60	5236.11	-89.84	441.24	437.87	1.01	PASS	
12025.00†	7150.51	1950.09	5334.95	12168.43	7149.24	2391.33	5336.10	-89.84	441.25	446.98	0.99	FAIL	
12125.00†	7150.02	1949.82	5434.95	12268.43	7148.70	2391.07	5436.10	-89.83	441.26	456.09	0.97	FAIL	
12225.00†	7149.53	1949.54	5534.95	12368.43	7148.15	2390.81	5536.10	-89.82	441.27	465.21	0.95	FAIL	
12325.00†	7149.04	1949.27	5634.95	12468.43	7147.61	2390.55	5636.10	-89.81	441.28	474.34	0.93	FAIL	
12425.00†	7148.55	1949.00	5734.94	12568.43	7147.07	2390.28	5736.10	-89.81	441.29	483.47	0.91	FAIL	
12525.00†	7148.06	1948.73	5834.94	12668.43	7146.52	2390.02	5836.09	-89.80	441.30	492.60	0.90	FAIL	
12625.00†	7147.57	1948.45	5934.94	12768.43	7145.98	2389.76	5936.09	-89.79	441.31	501.74	0.88	FAIL	
12725.00†	7147.08	1948.18	6034.94	12868.43	7145.44	2389.49	6036.09	-89.79	441.32	510.89	0.86	FAIL	
12825.00†	7146.59	1947.91	6134.94	12968.43	7144.89	2389.23	6136.09	-89.78	441.33	520.03	0.85	FAIL	
12925.00†	7146.10	1947.63	6234.94	13068.43	7144.35	2388.97	6236.09	-89.77	441.34	529.19	0.83	FAIL	
13025.00†	7145.61	1947.36	6334.94	13168.43	7143.80	2388.71	6336.09	-89.77	441.35	538.34	0.82	FAIL	
13125.00†	7145.12	1947.09	6434.93	13268.43	7143.26	2388.44	6436.08	-89.76	441.36	547.50	0.81	FAIL	
13225.00†	7144.63	1946.82	6534.93	13368.43	7142.72	2388.18	6536.08	-89.75	441.37	556.66	0.79	FAIL	
13325.00†	7144.14	1946.54	6634.93	13468.43	7142.17	2387.92	6636.08	-89.74	441.38	565.82	0.78	FAIL	
13425.00†	7143.65	1946.27	6734.93	13568.43	7141.63	2387.66	6736.08	-89.74	441.39	574.99	0.77	FAIL	
13525.00†	7143.16	1946.00	6834.93	13668.43	7141.08	2387.39	6836.08	-89.73	441.40	584.16	0.76	FAIL	
13625.00†	7142.67	1945.72	6934.93	13768.43	7140.54	2387.13	6936.07	-89.72	441.41	593.33	0.74	FAIL	
13725.00†	7142.18	1945.45	7034.92	13868.43	7140.00	2386.87	7036.07	-89.72	441.42	602.51	0.73	FAIL	
13825.00†	7141.69	1945.18	7134.92	13968.43	7139.45	2386.60	7136.07	-89.71	441.43	611.68	0.72	FAIL	
13925.00†	7141.20	1944.91	7234.92	14068.43	7138.91	2386.34	7236.07	-89.70	441.44	620.86	0.71	FAIL	
14025.00†	7140.71	1944.63	7334.92	14168.43	7138.36	2386.08	7336.07	-89.70	441.45	630.05	0.70	FAIL	
14125.00†	7140.23	1944.36	7434.92	14268.43	7137.82	2385.82	7436.06	-89.69	441.46	639.23	0.69	FAIL	
14225.00†	7139.74	1944.09	7534.92	14368.43	7137.28	2385.55	7536.06	-89.68	441.47	648.41	0.68	FAIL	
14325.00†	7139.25	1943.82	7634.91	14468.43	7136.73	2385.29	7636.06	-89.67	441.48	657.60	0.67	FAIL	
14425.00†	7138.76	1943.54	7734.91	14568.43	7136.19	2385.03	7736.06	-89.67	441.49	666.79	0.66	FAIL	
14525.00†	7138.27	1943.27	7834.91	14668.43	7135.65	2384.76	7836.06	-89.66	441.50	675.98	0.65	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 60 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14768.43	7135.10	2384.50	7936.06	-89.65	441.51	685.18	0.64	FAIL
14725.00†	7137.29	1942.72	8034.91	14868.43	7134.56	2384.24	8036.05	-89.65	441.52	694.37	0.64	FAIL
14825.00†	7136.80	1942.45	8134.91	14968.43	7134.01	2383.98	8136.05	-89.64	441.54	703.57	0.63	FAIL
14925.00†	7136.31	1942.18	8234.91	15068.43	7133.47	2383.71	8236.05	-89.63	441.55	712.76	0.62	FAIL
15025.00†	7135.82	1941.91	8334.90	15168.43	7132.93	2383.45	8336.05	-89.63	441.56	721.96	0.61	FAIL
15125.00†	7135.33	1941.63	8434.90	15268.43	7132.38	2383.19	8436.05	-89.62	441.57	731.16	0.60	FAIL
15192.09	7135.00	1941.45	8501.99	15335.51	7132.02	2383.01	8503.13	-89.61	441.57	737.34	0.60	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1693.37	0.00	-18.32	109.37	8.73
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.37	0.00	-18.32	109.37	8.73
8.5in Open Hole	1750.00	15338.67	13588.67	1693.37	7132.00	109.37	8.73	726.34	2583.56

**SURVEY PROGRAM - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1C-23-M PWB
1750.00	15338.67	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1C-23-M PWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 61 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1C-23-M PWB Offset Wellpath: TROUDT 1C-23-M PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 62 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	15.03	90.00	15.03	1.56	23.44	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	15.03	90.00	15.03	1.88	15.34	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	15.03	90.00	15.03	2.30	10.53	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	15.03	74.47	15.00	2.44	9.51	PASS
325.00†	324.96	2.62	0.75	324.94	324.94	0.10	15.06	84.05	14.53	3.04	6.55	PASS
362.53†	362.44	4.43	1.27	362.43	362.43	0.65	15.23	89.22	14.47	3.27	5.86	PASS
425.00†	424.77	8.49	2.42	424.88	424.84	2.60	15.84	97.79	14.65	3.70	5.01	PASS
525.00†	524.30	17.71	5.06	524.93	524.70	8.42	17.67	110.47	15.67	4.72	3.91	PASS
625.00†	623.44	30.26	8.64	625.11	624.42	17.58	20.54	121.00	17.41	6.08	3.22	PASS
725.00†	722.07	46.13	13.17	725.41	723.85	30.08	24.46	129.21	19.70	7.53	2.85	PASS
825.00†	820.05	65.30	18.64	825.84	822.89	45.92	29.42	135.42	22.35	8.94	2.68	PASS
925.00†	917.29	87.74	25.05	926.38	921.40	65.08	35.43	140.09	25.26	10.31	2.60	PASS
1025.00†	1013.64	113.44	32.39	1027.05	1019.27	87.56	42.48	143.61	28.34	11.62	2.57	PASS
1067.21	1054.03	125.25	35.76	1069.57	1060.35	98.04	45.76	144.82	29.67	12.20	2.55	PASS
1125.00†	1109.19	141.82	40.49	1127.84	1116.37	113.34	50.56	145.69	31.05	12.77	2.55	PASS
1225.00†	1204.64	170.48	48.68	1227.83	1212.21	140.54	59.08	145.99	32.59	13.71	2.48	PASS
1325.00†	1300.09	199.15	56.86	1327.82	1308.05	167.73	67.61	146.26	34.14	14.68	2.42	PASS
1425.00†	1395.55	227.82	65.05	1427.81	1403.89	194.93	76.14	146.51	35.69	15.71	2.36	PASS
1525.00†	1491.00	256.48	73.23	1527.80	1499.73	222.13	84.66	146.74	37.24	16.77	2.30	PASS
1625.00†	1586.45	285.15	81.42	1627.79	1595.57	249.32	93.19	146.95	38.80	17.85	2.24	PASS
1725.00†	1681.91	313.81	89.60	1727.77	1691.41	276.52	101.71	147.15	40.35	18.95	2.19	PASS
1825.00†	1777.36	342.48	97.79	1827.76	1787.25	303.71	110.24	147.33	41.90	19.25	2.22	PASS
1925.00†	1872.81	371.14	105.97	1927.75	1883.09	330.91	118.76	147.49	43.45	19.32	2.30	PASS
2025.00†	1968.27	399.81	114.15	2027.74	1978.93	358.11	127.29	147.65	45.01	19.48	2.36	PASS
2125.00†	2063.72	428.48	122.34	2127.73	2074.77	385.30	135.82	147.79	46.56	19.71	2.41	PASS
2225.00†	2159.17	457.14	130.52	2227.71	2170.61	412.50	144.34	147.93	48.11	20.02	2.45	PASS
2325.00†	2254.63	485.81	138.71	2327.70	2266.45	439.69	152.87	148.06	49.67	20.40	2.49	PASS
2425.00†	2350.08	514.47	146.89	2427.69	2362.29	466.89	161.39	148.18	51.22	20.85	2.51	PASS
2525.00†	2445.53	543.14	155.08	2527.68	2458.13	494.08	169.92	148.29	52.78	21.37	2.52	PASS
2625.00†	2540.98	571.80	163.26	2627.66	2553.97	521.28	178.45	148.39	54.33	21.94	2.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 63 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2725.00†	2636.44	600.47	171.45	2727.65	2649.81	548.48	186.97	148.49	55.89	22.57	2.52	PASS
2825.00†	2731.89	629.13	179.63	2827.64	2745.65	575.67	195.50	148.59	57.44	23.25	2.52	PASS
2925.00†	2827.34	657.80	187.82	2927.63	2841.49	602.87	204.02	148.68	59.00	23.97	2.51	PASS
3025.00†	2922.80	686.47	196.00	3027.62	2937.33	630.06	212.55	148.76	60.55	24.74	2.49	PASS
3125.00†	3018.25	715.13	204.19	3127.60	3033.17	657.26	221.07	148.84	62.11	25.54	2.47	PASS
3225.00†	3113.70	743.80	212.37	3227.59	3129.01	684.45	229.60	148.92	63.66	26.38	2.45	PASS
3325.00†	3209.16	772.46	220.56	3327.58	3224.85	711.65	238.13	148.99	65.22	27.24	2.43	PASS
3425.00†	3304.61	801.13	228.74	3427.57	3320.69	738.85	246.65	149.06	66.77	28.14	2.41	PASS
3525.00†	3400.06	829.79	236.93	3527.56	3416.53	766.04	255.18	149.13	68.33	29.06	2.38	PASS
3625.00†	3495.52	858.46	245.11	3627.54	3512.37	793.24	263.70	149.19	69.88	30.00	2.36	PASS
3725.00†	3590.97	887.13	253.29	3727.53	3608.21	820.43	272.23	149.26	71.44	30.97	2.34	PASS
3825.00†	3686.42	915.79	261.48	3827.52	3704.05	847.63	280.75	149.31	73.00	31.95	2.31	PASS
3925.00†	3781.88	944.46	269.66	3927.51	3799.89	874.82	289.28	149.37	74.55	32.95	2.29	PASS
4025.00†	3877.33	973.12	277.85	4027.49	3895.73	902.02	297.81	149.42	76.11	33.97	2.27	PASS
4125.00†	3972.78	1001.79	286.03	4127.48	3991.57	929.22	306.33	149.47	77.66	35.00	2.24	PASS
4225.00†	4068.23	1030.45	294.22	4227.47	4087.41	956.41	314.86	149.52	79.22	36.04	2.22	PASS
4325.00†	4163.69	1059.12	302.40	4327.46	4183.25	983.61	323.38	149.57	80.78	37.09	2.20	PASS
4425.00†	4259.14	1087.78	310.59	4427.45	4279.09	1010.80	331.91	149.62	82.33	38.16	2.18	PASS
4525.00†	4354.59	1116.45	318.77	4527.43	4374.93	1038.00	340.44	149.66	83.89	39.23	2.16	PASS
4625.00†	4450.05	1145.12	326.96	4627.42	4470.77	1065.19	348.96	149.70	85.45	40.32	2.14	PASS
4725.00†	4545.50	1173.78	335.14	4727.41	4566.61	1092.39	357.49	149.74	87.00	41.41	2.12	PASS
4825.00†	4640.95	1202.45	343.33	4827.40	4662.45	1119.59	366.01	149.78	88.56	42.51	2.10	PASS
4925.00†	4736.41	1231.11	351.51	4927.39	4758.29	1146.78	374.54	149.82	90.12	43.62	2.08	PASS
5025.00†	4831.86	1259.78	359.70	5027.37	4854.13	1173.98	383.06	149.86	91.67	44.73	2.07	PASS
5125.00†	4927.31	1288.44	367.88	5127.36	4949.97	1201.17	391.59	149.89	93.23	45.85	2.05	PASS
5225.00†	5022.77	1317.11	376.07	5227.35	5045.81	1228.37	400.12	149.93	94.79	46.98	2.03	PASS
5325.00†	5118.22	1345.78	384.25	5327.34	5141.65	1255.56	408.64	149.96	96.34	48.11	2.02	PASS
5425.00†	5213.67	1374.44	392.43	5427.33	5237.49	1282.76	417.17	149.99	97.90	49.24	2.00	PASS
5525.00†	5309.12	1403.11	400.62	5527.31	5333.33	1309.96	425.69	150.03	99.46	50.38	1.99	PASS
5625.00†	5404.58	1431.77	408.80	5627.30	5429.17	1337.15	434.22	150.06	101.01	51.52	1.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 64 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5725.00†	5500.03	1460.44	416.99	5727.29	5525.01	1364.35	442.74	150.08	102.57	52.67	1.96	PASS
5825.00†	5595.48	1489.10	425.17	5827.28	5620.85	1391.54	451.27	150.11	104.13	53.82	1.95	PASS
5925.00†	5690.94	1517.77	433.36	5927.26	5716.69	1418.74	459.80	150.14	105.68	54.98	1.93	PASS
6025.00†	5786.39	1546.43	441.54	6027.25	5812.53	1445.93	468.32	150.17	107.24	56.14	1.92	PASS
6125.00†	5881.84	1575.10	449.73	6127.24	5908.37	1473.13	476.85	150.19	108.80	57.30	1.91	PASS
6225.00†	5977.30	1603.77	457.91	6227.23	6004.21	1500.33	485.37	150.22	110.35	58.46	1.90	PASS
6325.00†	6072.75	1632.43	466.10	6327.22	6100.05	1527.52	493.90	150.24	111.91	59.63	1.89	PASS
6425.00†	6168.20	1661.10	474.28	6427.20	6195.89	1554.72	502.42	150.27	113.47	60.80	1.88	PASS
6525.00†	6263.66	1689.76	482.47	6527.19	6291.73	1581.91	510.95	150.29	115.02	61.97	1.87	PASS
6625.00†	6359.11	1718.43	490.65	6622.56	6382.37	1607.63	525.13	147.45	118.35	63.22	1.88	PASS
6725.00†	6454.56	1747.09	498.84	6713.75	6466.23	1631.40	551.67	139.25	127.72	64.67	1.99	PASS
6825.00†	6550.01	1775.76	507.02	6797.92	6539.67	1652.21	586.98	128.89	147.53	65.71	2.26	PASS
6888.88	6610.99	1794.07	512.25	6847.14	6580.33	1663.72	612.19	122.59	167.09	65.83	2.56	PASS
6925.00†	6645.37	1804.39	516.22	6873.71	6601.47	1669.70	627.14	109.16	179.92	65.71	2.76	PASS
7025.00†	6738.80	1832.44	537.75	6945.51	6655.38	1684.95	671.97	81.40	216.16	65.17	3.34	PASS
7125.00†	6827.86	1859.15	574.28	7015.16	6702.73	1698.34	721.23	64.39	251.22	64.79	3.91	PASS
7225.00†	6910.36	1883.87	624.90	7083.16	6743.70	1709.90	774.21	53.72	283.43	64.15	4.46	PASS
7325.00†	6984.27	1905.99	688.37	7149.86	6778.38	1719.68	830.30	46.72	311.84	63.36	4.97	PASS
7425.00†	7047.75	1924.97	763.12	7215.58	6806.85	1727.69	888.96	42.00	335.84	62.60	5.42	PASS
7525.00†	7099.27	1940.34	847.32	7280.55	6829.13	1733.95	949.64	38.82	355.02	61.96	5.78	PASS
7625.00†	7137.53	1951.72	938.90	7345.00	6845.24	1738.45	1011.85	36.75	369.10	61.17	6.09	PASS
7725.00†	7161.61	1958.83	1035.59	7409.09	6855.19	1741.19	1075.08	35.55	377.91	61.66	6.19	PASS
7825.00†	7170.90	1961.50	1135.02	7473.00	6858.97	1742.19	1138.84	35.11	381.33	61.45	6.27	PASS
7840.20	7171.00	1961.51	1150.22	7482.71	6859.01	1742.19	1148.55	35.11	381.37	61.42	6.27	PASS
7925.00†	7170.58	1961.28	1235.02	7566.88	6858.55	1741.96	1232.72	35.10	381.41	63.74	6.04	PASS
8025.00†	7170.10	1961.00	1335.01	7666.88	6858.00	1741.69	1332.72	35.10	381.45	66.78	5.76	PASS
8125.00†	7169.61	1960.73	1435.01	7766.88	6857.46	1741.42	1432.71	35.09	381.50	70.15	5.48	PASS
8225.00†	7169.12	1960.46	1535.01	7866.88	6856.92	1741.14	1532.71	35.09	381.54	73.80	5.21	PASS
8325.00†	7168.63	1960.18	1635.01	7966.88	6856.37	1740.87	1632.71	35.08	381.58	77.68	4.95	PASS
8425.00†	7168.14	1959.91	1735.01	8066.88	6855.83	1740.60	1732.71	35.08	381.63	81.77	4.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 65 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8525.00†	7167.65	1959.64	1835.01	8166.88	6855.28	1740.32	1832.71	35.07	381.67	86.03	4.46	PASS
8625.00†	7167.16	1959.37	1935.00	8266.88	6854.74	1740.05	1932.71	35.07	381.72	90.44	4.25	PASS
8725.00†	7166.67	1959.09	2035.00	8366.88	6854.19	1739.78	2032.70	35.06	381.76	94.98	4.04	PASS
8825.00†	7166.18	1958.82	2135.00	8466.88	6853.65	1739.51	2132.70	35.06	381.81	99.63	3.85	PASS
8925.00†	7165.69	1958.55	2235.00	8566.88	6853.11	1739.23	2232.70	35.06	381.85	104.38	3.68	PASS
9025.00†	7165.20	1958.27	2335.00	8666.88	6852.56	1738.96	2332.70	35.05	381.90	109.21	3.51	PASS
9125.00†	7164.71	1958.00	2435.00	8766.88	6852.02	1738.69	2432.70	35.05	381.94	114.11	3.36	PASS
9225.00†	7164.22	1957.73	2534.99	8866.88	6851.47	1738.41	2532.69	35.04	381.99	119.07	3.22	PASS
9325.00†	7163.73	1957.46	2634.99	8966.88	6850.93	1738.14	2632.69	35.04	382.03	124.09	3.09	PASS
9425.00†	7163.24	1957.18	2734.99	9066.88	6850.39	1737.87	2732.69	35.03	382.08	129.16	2.97	PASS
9525.00†	7162.75	1956.91	2834.99	9166.88	6849.84	1737.60	2832.69	35.03	382.12	134.26	2.86	PASS
9625.00†	7162.26	1956.64	2934.99	9266.88	6849.30	1737.32	2932.69	35.02	382.17	139.41	2.75	PASS
9725.00†	7161.77	1956.36	3034.99	9366.88	6848.75	1737.05	3032.68	35.02	382.21	144.59	2.65	PASS
9825.00†	7161.28	1956.09	3134.99	9466.88	6848.21	1736.78	3132.68	35.01	382.26	149.80	2.56	PASS
9925.00†	7160.79	1955.82	3234.98	9566.88	6847.66	1736.50	3232.68	35.01	382.30	155.04	2.47	PASS
10025.00†	7160.30	1955.55	3334.98	9666.88	6847.12	1736.23	3332.68	35.00	382.34	160.30	2.39	PASS
10125.00†	7159.81	1955.27	3434.98	9766.88	6846.58	1735.96	3432.68	35.00	382.39	165.59	2.31	PASS
10225.00†	7159.32	1955.00	3534.98	9866.88	6846.03	1735.68	3532.68	34.99	382.43	170.89	2.24	PASS
10325.00†	7158.83	1954.73	3634.98	9966.88	6845.49	1735.41	3632.67	34.99	382.48	176.21	2.18	PASS
10425.00†	7158.34	1954.45	3734.98	10066.88	6844.94	1735.14	3732.67	34.98	382.52	181.55	2.11	PASS
10525.00†	7157.85	1954.18	3834.97	10166.88	6844.40	1734.87	3832.67	34.98	382.57	186.90	2.05	PASS
10625.00†	7157.36	1953.91	3934.97	10266.88	6843.85	1734.59	3932.67	34.98	382.61	192.26	1.99	PASS
10725.00†	7156.87	1953.64	4034.97	10366.88	6843.31	1734.32	4032.67	34.97	382.66	197.64	1.94	PASS
10825.00†	7156.38	1953.36	4134.97	10466.88	6842.77	1734.05	4132.66	34.97	382.70	203.03	1.89	PASS
10925.00†	7155.89	1953.09	4234.97	10566.88	6842.22	1733.77	4232.66	34.96	382.75	208.43	1.84	PASS
11025.00†	7155.40	1952.82	4334.97	10666.88	6841.68	1733.50	4332.66	34.96	382.79	213.83	1.79	PASS
11125.00†	7154.92	1952.55	4434.96	10766.88	6841.13	1733.23	4432.66	34.95	382.84	219.25	1.75	PASS
11225.00†	7154.43	1952.27	4534.96	10866.88	6840.59	1732.96	4532.66	34.95	382.88	224.67	1.71	PASS
11325.00†	7153.94	1952.00	4634.96	10966.88	6840.05	1732.68	4632.66	34.94	382.93	230.10	1.67	PASS
11425.00†	7153.45	1951.73	4734.96	11066.88	6839.50	1732.41	4732.65	34.94	382.97	235.54	1.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 66 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11525.00†	7152.96	1951.45	4834.96	11166.88	6838.96	1732.14	4832.65	34.93	383.02	240.98	1.59	PASS
11625.00†	7152.47	1951.18	4934.96	11266.88	6838.41	1731.86	4932.65	34.93	383.06	246.43	1.56	PASS
11725.00†	7151.98	1950.91	5034.96	11366.88	6837.87	1731.59	5032.65	34.92	383.10	251.89	1.52	PASS
11825.00†	7151.49	1950.64	5134.95	11466.88	6837.32	1731.32	5132.65	34.92	383.15	257.35	1.49	PASS
11925.00†	7151.00	1950.36	5234.95	11566.88	6836.78	1731.05	5232.64	34.91	383.19	262.81	1.46	PASS
12025.00†	7150.51	1950.09	5334.95	11666.88	6836.24	1730.77	5332.64	34.91	383.24	268.28	1.43	PASS
12125.00†	7150.02	1949.82	5434.95	11766.88	6835.69	1730.50	5432.64	34.91	383.28	273.75	1.40	PASS
12225.00†	7149.53	1949.54	5534.95	11866.88	6835.15	1730.23	5532.64	34.90	383.33	279.22	1.37	PASS
12325.00†	7149.04	1949.27	5634.95	11966.88	6834.60	1729.95	5632.64	34.90	383.37	284.70	1.35	PASS
12425.00†	7148.55	1949.00	5734.94	12066.88	6834.06	1729.68	5732.63	34.89	383.42	290.18	1.32	PASS
12525.00†	7148.06	1948.73	5834.94	12166.88	6833.52	1729.41	5832.63	34.89	383.46	295.66	1.30	PASS
12625.00†	7147.57	1948.45	5934.94	12266.88	6832.97	1729.14	5932.63	34.88	383.51	301.15	1.27	PASS
12725.00†	7147.08	1948.18	6034.94	12366.88	6832.43	1728.86	6032.63	34.88	383.55	306.64	1.25	PASS
12825.00†	7146.59	1947.91	6134.94	12466.88	6831.88	1728.59	6132.63	34.87	383.60	312.13	1.23	PASS
12925.00†	7146.10	1947.63	6234.94	12566.88	6831.34	1728.32	6232.63	34.87	383.64	317.62	1.21	PASS
13025.00†	7145.61	1947.36	6334.94	12666.88	6830.79	1728.04	6332.62	34.86	383.69	323.11	1.19	PASS
13125.00†	7145.12	1947.09	6434.93	12766.88	6830.25	1727.77	6432.62	34.86	383.73	328.61	1.17	PASS
13225.00†	7144.63	1946.82	6534.93	12866.88	6829.71	1727.50	6532.62	34.85	383.78	334.10	1.15	PASS
13325.00†	7144.14	1946.54	6634.93	12966.88	6829.16	1727.23	6632.62	34.85	383.82	339.60	1.13	PASS
13425.00†	7143.65	1946.27	6734.93	13066.88	6828.62	1726.95	6732.62	34.85	383.87	345.10	1.11	PASS
13525.00†	7143.16	1946.00	6834.93	13166.88	6828.07	1726.68	6832.61	34.84	383.91	350.60	1.10	PASS
13625.00†	7142.67	1945.72	6934.93	13266.88	6827.53	1726.41	6932.61	34.84	383.96	356.10	1.08	PASS
13725.00†	7142.18	1945.45	7034.92	13366.88	6826.98	1726.13	7032.61	34.83	384.00	361.61	1.06	PASS
13825.00†	7141.69	1945.18	7134.92	13466.88	6826.44	1725.86	7132.61	34.83	384.05	367.11	1.05	PASS
13925.00†	7141.20	1944.91	7234.92	13566.88	6825.90	1725.59	7232.61	34.82	384.09	372.62	1.03	PASS
14025.00†	7140.71	1944.63	7334.92	13666.88	6825.35	1725.32	7332.60	34.82	384.13	378.12	1.02	PASS
14125.00†	7140.23	1944.36	7434.92	13766.88	6824.81	1725.04	7432.60	34.81	384.18	383.63	1.00	PASS
14225.00†	7139.74	1944.09	7534.92	13866.88	6824.26	1724.77	7532.60	34.81	384.22	389.13	0.99	FAIL
14325.00†	7139.25	1943.82	7634.91	13966.88	6823.72	1724.50	7632.60	34.80	384.27	394.64	0.97	FAIL
14425.00†	7138.76	1943.54	7734.91	14066.88	6823.18	1724.22	7732.60	34.80	384.31	400.15	0.96	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 67 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14525.00†	7138.27	1943.27	7834.91	14166.88	6822.63	1723.95	7832.60	34.79	384.36	405.66	0.95	FAIL
14625.00†	7137.78	1943.00	7934.91	14266.88	6822.09	1723.68	7932.59	34.79	384.40	411.16	0.93	FAIL
14725.00†	7137.29	1942.72	8034.91	14366.88	6821.54	1723.41	8032.59	34.78	384.45	416.67	0.92	FAIL
14825.00†	7136.80	1942.45	8134.91	14466.88	6821.00	1723.13	8132.59	34.78	384.49	422.18	0.91	FAIL
14925.00†	7136.31	1942.18	8234.91	14566.88	6820.45	1722.86	8232.59	34.78	384.54	427.69	0.90	FAIL
15025.00†	7135.82	1941.91	8334.90	14666.88	6819.91	1722.59	8332.59	34.77	384.58	433.20	0.89	FAIL
15125.00†	7135.33	1941.63	8434.90	14766.88	6819.37	1722.31	8432.58	34.77	384.63	438.71	0.88	FAIL
15192.09	7135.00	1941.45	8501.99	14833.97	6819.00	1722.13	8499.67	34.76	384.66	442.40	0.87	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical
			3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1712.72	0.00	9.16	86.13	36.16
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1712.72	0.00	9.16	86.13	36.16
8.5in Open Hole	1750.00	14834.14	13084.14	1712.72	N/A	86.13	36.16	N/A	N/A



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 68 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-23A-M PWB
1750.00	14834.14	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-23A-M PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41N-23A-M PWB Offset Wellpath: TROUDT 41N-23A-M PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 69 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-6.00	25.00	1364.28	7048.94	79.05	7179.75	25.57	291.80	PASS
125.00†	125.00	0.00	0.00	94.00	125.00	1364.28	7048.94	79.05	7179.75	50.36	145.32	PASS
200.00	200.00	0.00	0.00	169.00	200.00	1364.28	7048.94	79.05	7179.75	51.03	143.40	PASS
225.00†	225.00	0.10	0.03	194.00	225.00	1364.28	7048.94	63.11	7179.70	51.26	142.72	PASS
325.00†	324.96	2.62	0.75	293.96	324.96	1364.28	7048.94	63.15	7178.52	52.88	138.25	PASS
425.00†	424.77	8.49	2.42	393.77	424.77	1364.28	7048.94	63.25	7175.76	55.12	132.49	PASS
525.00†	524.30	17.71	5.06	493.30	524.30	1364.28	7048.94	63.39	7171.44	57.83	126.10	PASS
625.00†	623.44	30.26	8.64	592.44	623.44	1364.28	7048.94	63.59	7165.57	60.90	119.53	PASS
725.00†	722.07	46.13	13.17	691.07	722.07	1364.28	7048.94	63.84	7158.18	64.25	113.09	PASS
825.00†	820.05	65.30	18.64	789.05	820.05	1364.28	7048.94	64.14	7149.29	67.81	106.93	PASS
925.00†	917.29	87.74	25.05	886.29	917.29	1364.28	7048.94	64.49	7138.94	71.53	101.16	PASS
1025.00†	1013.64	113.44	32.39	982.64	1013.64	1364.28	7048.94	64.90	7127.17	75.37	95.78	PASS
1067.21	1054.03	125.25	35.76	1023.03	1054.03	1364.28	7048.94	65.08	7121.78	77.01	93.63	PASS
1125.00†	1109.19	141.82	40.49	1078.19	1109.19	1364.28	7048.94	65.20	7114.26	79.30	90.81	PASS
1225.00†	1204.64	170.48	48.68	1173.64	1204.64	1364.28	7048.94	65.41	7101.32	83.33	86.20	PASS
1325.00†	1300.09	199.15	56.86	1269.09	1300.09	1364.28	7048.94	65.62	7088.49	87.46	81.94	PASS
1425.00†	1395.55	227.82	65.05	1364.55	1395.55	1364.28	7048.94	65.83	7075.75	91.66	78.00	PASS
1525.00†	1491.00	256.48	73.23	1460.00	1491.00	1364.28	7048.94	66.05	7063.12	95.94	74.36	PASS
1625.00†	1586.45	285.15	81.42	1555.45	1586.45	1364.28	7048.94	66.26	7050.60	100.28	70.98	PASS
1725.00†	1681.91	313.81	89.60	1650.91	1681.91	1364.28	7048.94	66.47	7038.17	104.68	67.85	PASS
1825.00†	1777.36	342.48	97.79	1746.36	1777.36	1364.28	7048.94	66.69	7025.85	108.69	65.06	PASS
1925.00†	1872.81	371.14	105.97	1841.81	1872.81	1364.28	7048.94	66.90	7013.64	112.80	62.56	PASS
2025.00†	1968.27	399.81	114.15	1937.27	1968.27	1364.28	7048.94	67.12	7001.53	116.95	60.23	PASS
2125.00†	2063.72	428.48	122.34	2032.72	2063.72	1364.28	7048.94	67.33	6989.53	121.13	58.04	PASS
2225.00†	2159.17	457.14	130.52	2128.17	2159.17	1364.28	7048.94	67.55	6977.63	125.33	55.98	PASS
2325.00†	2254.63	485.81	138.71	2223.63	2254.63	1364.28	7048.94	67.77	6965.84	129.56	54.05	PASS
2425.00†	2350.08	514.47	146.89	2319.08	2350.08	1364.28	7048.94	67.99	6954.16	133.82	52.24	PASS
2525.00†	2445.53	543.14	155.08	2414.53	2445.53	1364.28	7048.94	68.21	6942.59	138.10	50.53	PASS
2625.00†	2540.98	571.80	163.26	2509.98	2540.98	1364.28	7048.94	68.43	6931.13	142.40	48.91	PASS
2725.00†	2636.44	600.47	171.45	2605.44	2636.44	1364.28	7048.94	68.65	6919.77	146.72	47.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 70 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

**Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2700.89	2731.89	1364.28	7048.94	68.87	6908.53	151.05	45.95	PASS
2925.00†	2827.34	657.80	187.82	2796.34	2827.34	1364.28	7048.94	69.09	6897.40	155.41	44.58	PASS
3025.00†	2922.80	686.47	196.00	2891.80	2922.80	1364.28	7048.94	69.31	6886.38	159.79	43.28	PASS
3125.00†	3018.25	715.13	204.19	2987.25	3018.25	1364.28	7048.94	69.54	6875.47	164.18	42.05	PASS
3225.00†	3113.70	743.80	212.37	3082.70	3113.70	1364.28	7048.94	69.76	6864.67	168.59	40.89	PASS
3325.00†	3209.16	772.46	220.56	3178.16	3209.16	1364.28	7048.94	69.98	6853.98	173.02	39.77	PASS
3425.00†	3304.61	801.13	228.74	3273.61	3304.61	1364.28	7048.94	70.21	6843.41	177.46	38.71	PASS
3525.00†	3400.06	829.79	236.93	3369.06	3400.06	1364.28	7048.94	70.44	6832.95	181.91	37.70	PASS
3625.00†	3495.52	858.46	245.11	3464.52	3495.52	1364.28	7048.94	70.66	6822.60	186.38	36.74	PASS
3725.00†	3590.97	887.13	253.29	3559.97	3590.97	1364.28	7048.94	70.89	6812.37	190.86	35.82	PASS
3825.00†	3686.42	915.79	261.48	3655.42	3686.42	1364.28	7048.94	71.12	6802.26	195.36	34.94	PASS
3925.00†	3781.88	944.46	269.66	3750.88	3781.88	1364.28	7048.94	71.34	6792.26	199.87	34.10	PASS
4025.00†	3877.33	973.12	277.85	3846.33	3877.33	1364.28	7048.94	71.57	6782.38	204.39	33.30	PASS
4125.00†	3972.78	1001.79	286.03	3941.78	3972.78	1364.28	7048.94	71.80	6772.61	208.92	32.52	PASS
4225.00†	4068.23	1030.45	294.22	4037.23	4068.23	1364.28	7048.94	72.03	6762.96	213.47	31.78	PASS
4325.00†	4163.69	1059.12	302.40	4132.69	4163.69	1364.28	7048.94	72.26	6753.43	218.02	31.07	PASS
4425.00†	4259.14	1087.78	310.59	4228.14	4259.14	1364.28	7048.94	72.50	6744.02	222.59	30.39	PASS
4525.00†	4354.59	1116.45	318.77	4323.59	4354.59	1364.28	7048.94	72.73	6734.73	227.16	29.74	PASS
4625.00†	4450.05	1145.12	326.96	4419.05	4450.05	1364.28	7048.94	72.96	6725.55	231.75	29.11	PASS
4725.00†	4545.50	1173.78	335.14	4514.50	4545.50	1364.28	7048.94	73.19	6716.50	236.35	28.50	PASS
4825.00†	4640.95	1202.45	343.33	4609.95	4640.95	1364.28	7048.94	73.43	6707.56	240.95	27.92	PASS
4925.00†	4736.41	1231.11	351.51	4705.41	4736.41	1364.28	7048.94	73.66	6698.75	245.57	27.35	PASS
5025.00†	4831.86	1259.78	359.70	4800.86	4831.86	1364.28	7048.94	73.89	6690.06	250.19	26.81	PASS
5125.00†	4927.31	1288.44	367.88	4896.31	4927.31	1364.28	7048.94	74.13	6681.49	254.82	26.29	PASS
5225.00†	5022.77	1317.11	376.07	4991.77	5022.77	1364.28	7048.94	74.37	6673.04	259.46	25.79	PASS
5325.00†	5118.22	1345.78	384.25	5087.22	5118.22	1364.28	7048.94	74.60	6664.71	264.10	25.30	PASS
5425.00†	5213.67	1374.44	392.43	5182.67	5213.67	1364.28	7048.94	74.84	6656.51	268.76	24.83	PASS
5525.00†	5309.12	1403.11	400.62	5278.12	5309.12	1364.28	7048.94	75.08	6648.43	273.42	24.38	PASS
5625.00†	5404.58	1431.77	408.80	5373.58	5404.58	1364.28	7048.94	75.31	6640.48	278.09	23.94	PASS
5725.00†	5500.03	1460.44	416.99	5469.03	5500.03	1364.28	7048.94	75.55	6632.65	282.76	23.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 71 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

**Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5564.48	5595.48	1364.28	7048.94	75.79	6624.94	287.44	23.10	PASS
5925.00†	5690.94	1517.77	433.36	5659.94	5690.94	1364.28	7048.94	76.03	6617.36	292.13	22.70	PASS
6025.00†	5786.39	1546.43	441.54	5755.39	5786.39	1364.28	7048.94	76.27	6609.91	296.83	22.32	PASS
6125.00†	5881.84	1575.10	449.73	5850.84	5881.84	1364.28	7048.94	76.51	6602.58	301.53	21.95	PASS
6225.00†	5977.30	1603.77	457.91	5946.30	5977.30	1364.28	7048.94	76.75	6595.38	306.23	21.58	PASS
6325.00†	6072.75	1632.43	466.10	6041.75	6072.75	1364.28	7048.94	76.99	6588.30	310.94	21.23	PASS
6425.00†	6168.20	1661.10	474.28	6137.20	6168.20	1364.28	7048.94	77.24	6581.35	315.66	20.89	PASS
6525.00†	6263.66	1689.76	482.47	6232.66	6263.66	1364.28	7048.94	77.48	6574.53	320.38	20.56	PASS
6625.00†	6359.11	1718.43	490.65	6328.11	6359.11	1364.28	7048.94	77.72	6567.84	325.10	20.24	PASS
6725.00†	6454.56	1747.09	498.84	6423.56	6454.56	1364.28	7048.94	77.97	6561.28	329.83	19.93	PASS
6825.00†	6550.01	1775.76	507.02	6519.01	6550.01	1364.28	7048.94	78.21	6554.85	334.57	19.63	PASS
6888.88	6610.99	1794.07	512.25	6579.99	6610.99	1364.28	7048.94	78.36	6550.80	337.60	19.44	PASS
6925.00†	6645.37	1804.39	516.22	6614.37	6645.37	1364.28	7048.94	69.00	6547.52	339.31	19.33	PASS
7025.00†	6738.80	1832.44	537.75	6707.80	6738.80	1364.28	7048.94	49.92	6527.99	344.24	19.00	PASS
7125.00†	6827.86	1859.15	574.28	6796.86	6827.86	1364.28	7048.94	39.02	6493.54	349.51	18.61	PASS
7225.00†	6910.36	1883.87	624.90	6879.36	6910.36	1364.28	7048.94	32.92	6445.02	354.36	18.22	PASS
7325.00†	6984.27	1905.99	688.37	6953.27	6984.27	1364.28	7048.94	29.64	6383.60	358.69	17.83	PASS
7425.00†	7047.75	1924.97	763.12	7016.75	7047.75	1364.28	7048.94	28.33	6310.77	362.41	17.45	PASS
7525.00†	7099.27	1940.34	847.32	7068.27	7099.27	1364.28	7048.94	28.88	6228.31	365.44	17.07	PASS
7625.00†	7137.53	1951.72	938.90	7106.53	7137.53	1364.28	7048.94	32.08	6138.21	367.71	16.72	PASS
7725.00†	7161.61	1958.83	1035.59	7130.61	7161.61	1364.28	7048.94	41.74	6042.67	369.18	16.40	PASS
7825.00†	7170.90	1961.50	1135.02	7139.90	7170.90	1364.28	7048.94	80.30	5944.00	369.84	16.10	PASS
7840.20	7171.00	1961.51	1150.22	7140.00	7171.00	1364.28	7048.94	92.85	5928.88	369.87	16.06	PASS
7925.00†	7170.58	1961.28	1235.02	7139.58	7170.58	1364.28	7048.94	92.81	5844.49	369.99	15.82	PASS
8025.00†	7170.10	1961.00	1335.01	7139.10	7170.10	1364.28	7048.94	92.76	5745.00	370.14	15.55	PASS
8125.00†	7169.61	1960.73	1435.01	7138.61	7169.61	1364.28	7048.94	92.71	5645.52	370.29	15.27	PASS
8225.00†	7169.12	1960.46	1535.01	7138.12	7169.12	1364.28	7048.94	92.66	5546.06	370.47	15.00	PASS
8325.00†	7168.63	1960.18	1635.01	7137.63	7168.63	1364.28	7048.94	92.61	5446.63	370.65	14.72	PASS
8425.00†	7168.14	1959.91	1735.01	7137.14	7168.14	1364.28	7048.94	92.57	5347.21	370.85	14.44	PASS
8525.00†	7167.65	1959.64	1835.01	7136.65	7167.65	1364.28	7048.94	92.52	5247.81	371.06	14.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 72 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

**Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7136.16	7167.16	1364.28	7048.94	92.47	5148.44	371.29	13.89	PASS
8725.00†	7166.67	1959.09	2035.00	7135.67	7166.67	1364.28	7048.94	92.42	5049.09	371.54	13.61	PASS
8825.00†	7166.18	1958.82	2135.00	7135.18	7166.18	1364.28	7048.94	92.37	4949.77	371.80	13.34	PASS
8925.00†	7165.69	1958.55	2235.00	7134.69	7165.69	1364.28	7048.94	92.32	4850.48	372.09	13.06	PASS
9025.00†	7165.20	1958.27	2335.00	7134.20	7165.20	1364.28	7048.94	92.28	4751.22	372.40	12.78	PASS
9125.00†	7164.71	1958.00	2435.00	7133.71	7164.71	1364.28	7048.94	92.23	4651.99	372.73	12.50	PASS
9225.00†	7164.22	1957.73	2534.99	7133.22	7164.22	1364.28	7048.94	92.18	4552.79	373.08	12.22	PASS
9325.00†	7163.73	1957.46	2634.99	7132.73	7163.73	1364.28	7048.94	92.13	4453.62	373.47	11.95	PASS
9425.00†	7163.24	1957.18	2734.99	7132.24	7163.24	1364.28	7048.94	92.08	4354.50	373.88	11.67	PASS
9525.00†	7162.75	1956.91	2834.99	7131.75	7162.75	1364.28	7048.94	92.03	4255.42	374.32	11.39	PASS
9625.00†	7162.26	1956.64	2934.99	7131.26	7162.26	1364.28	7048.94	91.99	4156.38	374.80	11.11	PASS
9725.00†	7161.77	1956.36	3034.99	7130.77	7161.77	1364.28	7048.94	91.94	4057.38	375.32	10.83	PASS
9825.00†	7161.28	1956.09	3134.99	7130.28	7161.28	1364.28	7048.94	91.89	3958.44	375.88	10.55	PASS
9925.00†	7160.79	1955.82	3234.98	7129.79	7160.79	1364.28	7048.94	91.84	3859.56	376.48	10.27	PASS
10025.00†	7160.30	1955.55	3334.98	7129.30	7160.30	1364.28	7048.94	91.79	3760.73	377.13	9.99	PASS
10125.00†	7159.81	1955.27	3434.98	7128.81	7159.81	1364.28	7048.94	91.75	3661.96	377.84	9.71	PASS
10225.00†	7159.32	1955.00	3534.98	7128.32	7159.32	1364.28	7048.94	91.70	3563.27	378.60	9.43	PASS
10325.00†	7158.83	1954.73	3634.98	7127.83	7158.83	1364.28	7048.94	91.65	3464.64	379.43	9.15	PASS
10425.00†	7158.34	1954.45	3734.98	7127.34	7158.34	1364.28	7048.94	91.60	3366.10	380.33	8.87	PASS
10525.00†	7157.85	1954.18	3834.97	7126.85	7157.85	1364.28	7048.94	91.55	3267.65	381.31	8.58	PASS
10625.00†	7157.36	1953.91	3934.97	7126.36	7157.36	1364.28	7048.94	91.50	3169.30	382.37	8.30	PASS
10725.00†	7156.87	1953.64	4034.97	7125.87	7156.87	1364.28	7048.94	91.46	3071.05	383.53	8.02	PASS
10825.00†	7156.38	1953.36	4134.97	7125.38	7156.38	1364.28	7048.94	91.41	2972.92	384.79	7.74	PASS
10925.00†	7155.89	1953.09	4234.97	7124.89	7155.89	1364.28	7048.94	91.36	2874.91	386.17	7.46	PASS
11025.00†	7155.40	1952.82	4334.97	7124.40	7155.40	1364.28	7048.94	91.31	2777.05	387.68	7.17	PASS
11125.00†	7154.92	1952.55	4434.96	7123.92	7154.92	1364.28	7048.94	91.26	2679.35	389.33	6.89	PASS
11225.00†	7154.43	1952.27	4534.96	7123.43	7154.43	1364.28	7048.94	91.21	2581.82	391.14	6.61	PASS
11325.00†	7153.94	1952.00	4634.96	7122.94	7153.94	1364.28	7048.94	91.17	2484.49	393.14	6.33	PASS
11425.00†	7153.45	1951.73	4734.96	7122.45	7153.45	1364.28	7048.94	91.12	2387.38	395.34	6.05	PASS
11525.00†	7152.96	1951.45	4834.96	7121.96	7152.96	1364.28	7048.94	91.07	2290.52	397.77	5.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 73 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

**Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	7121.47	7152.47	1364.28	7048.94	91.02	2193.94	400.46	5.49	PASS
11725.00†	7151.98	1950.91	5034.96	7120.98	7151.98	1364.28	7048.94	90.97	2097.68	403.44	5.21	PASS
11825.00†	7151.49	1950.64	5134.95	7120.49	7151.49	1364.28	7048.94	90.93	2001.79	406.76	4.93	PASS
11925.00†	7151.00	1950.36	5234.95	7120.00	7151.00	1364.28	7048.94	90.88	1906.32	410.47	4.65	PASS
12025.00†	7150.51	1950.09	5334.95	7119.51	7150.51	1364.28	7048.94	90.83	1811.33	414.61	4.37	PASS
12125.00†	7150.02	1949.82	5434.95	7119.02	7150.02	1364.28	7048.94	90.78	1716.92	419.26	4.10	PASS
12225.00†	7149.53	1949.54	5534.95	7118.53	7149.53	1364.28	7048.94	90.73	1623.18	424.49	3.83	PASS
12325.00†	7149.04	1949.27	5634.95	7118.04	7149.04	1364.28	7048.94	90.68	1530.23	430.40	3.56	PASS
12425.00†	7148.55	1949.00	5734.94	7117.55	7148.55	1364.28	7048.94	90.64	1438.22	437.11	3.29	PASS
12525.00†	7148.06	1948.73	5834.94	7117.06	7148.06	1364.28	7048.94	90.59	1347.35	444.73	3.03	PASS
12625.00†	7147.57	1948.45	5934.94	7116.57	7147.57	1364.28	7048.94	90.54	1257.87	453.43	2.78	PASS
12725.00†	7147.08	1948.18	6034.94	7116.08	7147.08	1364.28	7048.94	90.49	1170.10	463.38	2.53	PASS
12825.00†	7146.59	1947.91	6134.94	7115.59	7146.59	1364.28	7048.94	90.44	1084.44	474.78	2.29	PASS
12925.00†	7146.10	1947.63	6234.94	7115.10	7146.10	1364.28	7048.94	90.39	1001.45	487.84	2.05	PASS
13025.00†	7145.61	1947.36	6334.94	7114.61	7145.61	1364.28	7048.94	90.35	921.84	502.76	1.83	PASS
13125.00†	7145.12	1947.09	6434.93	7114.12	7145.12	1364.28	7048.94	90.30	846.56	519.65	1.63	PASS
13225.00†	7144.63	1946.82	6534.93	7113.63	7144.63	1364.28	7048.94	90.25	776.89	538.46	1.44	PASS
13325.00†	7144.14	1946.54	6634.93	7113.14	7144.14	1364.28	7048.94	90.20	714.45	558.73	1.28	PASS
13425.00†	7143.65	1946.27	6734.93	7112.65	7143.65	1364.28	7048.94	90.15	661.30	579.42	1.14	PASS
13525.00†	7143.16	1946.00	6834.93	7112.16	7143.16	1364.28	7048.94	90.10	619.84	598.62	1.04	PASS
13625.00†	7142.67	1945.72	6934.93	7111.67	7142.67	1364.28	7048.94	90.06	592.52	613.63	0.97	FAIL
13725.00†	7142.18	1945.45	7034.92	7111.18	7142.18	1364.28	7048.94	90.01	581.34	621.73	0.93	FAIL
13740.72†	7142.11	1945.41	7050.65	7110.66	7141.66	1364.28	7048.94	89.96	581.13	622.22	0.93	FAIL
13750.21†	7142.06	1945.38	7060.14	7111.06	7142.06	1364.28	7048.94	90.00	581.21	622.45	0.93	FAIL
13825.00†	7141.69	1945.18	7134.92	7110.69	7141.69	1364.28	7048.94	89.96	587.23	621.37	0.94	FAIL
13925.00†	7141.20	1944.91	7234.92	7110.20	7141.20	1364.28	7048.94	89.91	609.69	613.05	0.99	FAIL
14025.00†	7140.71	1944.63	7334.92	7109.71	7140.71	1364.28	7048.94	89.86	646.99	598.98	1.08	PASS
14125.00†	7140.23	1944.36	7434.92	7109.23	7140.23	1364.28	7048.94	89.81	696.76	581.86	1.20	PASS
14225.00†	7139.74	1944.09	7534.92	7108.74	7139.74	1364.28	7048.94	89.77	756.54	563.91	1.34	PASS
14325.00†	7139.25	1943.82	7634.91	7108.25	7139.25	1364.28	7048.94	89.72	824.15	546.57	1.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 74 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14425.00†	7138.76	1943.54	7734.91	7107.76	7138.76	1364.28	7048.94	89.67	897.84	530.56	1.69	PASS
14525.00†	7138.27	1943.27	7834.91	7107.27	7138.27	1364.28	7048.94	89.62	976.21	516.15	1.89	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7240'>	EX. ELDRIDGE 1-23 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. ELDRIDGE 1-23 AWB Offset Wellpath: EX. ELDRIDGE 1-23 AWP**

MD Reference: Rig on SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 75 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20) Well: HOOD 11C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14293.96	7151.54	2358.32	-240.07	-5.81	7510.45	147.13	51.36	PASS
125.00†	125.00	0.00	0.00	14294.42	7151.55	2358.35	-239.60	-5.80	7415.63	148.60	50.21	PASS
200.00	200.00	0.00	0.00	14294.77	7151.55	2358.37	-239.25	-5.79	7344.61	149.40	49.46	PASS
225.00†	225.00	0.10	0.03	14294.91	7151.55	2358.38	-239.12	-22.28	7320.92	149.67	49.21	PASS
325.00†	324.96	2.62	0.75	14295.75	7151.56	2358.44	-238.28	-24.77	7225.62	150.70	48.23	PASS
425.00†	424.77	8.49	2.42	14297.08	7151.58	2358.53	-236.95	-27.81	7129.51	151.68	47.28	PASS
525.00†	524.30	17.71	5.06	14298.92	7151.60	2358.65	-235.12	-31.59	7032.69	152.59	46.36	PASS
625.00†	623.44	30.26	8.64	14301.27	7151.63	2358.81	-232.77	-36.35	6935.25	153.42	45.47	PASS
725.00†	722.07	46.13	13.17	14304.15	7151.67	2359.01	-229.90	-42.46	6837.27	154.17	44.61	PASS
825.00†	820.05	65.30	18.64	14307.55	7151.71	2359.24	-226.50	-50.35	6738.86	154.82	43.78	PASS
925.00†	917.29	87.74	25.05	14311.51	7151.77	2359.52	-222.56	-60.48	6640.11	155.39	42.98	PASS
1025.00†	1013.64	113.44	32.39	14316.02	7151.83	2359.84	-218.06	-73.02	6541.13	155.86	42.21	PASS
1067.21	1054.03	125.25	35.76	14318.09	7151.86	2359.98	-216.00	-78.93	6499.31	156.03	41.90	PASS
1125.00†	1109.19	141.82	40.49	14525.08	7154.85	2365.86	-9.19	-71.05	6441.95	159.98	40.49	PASS
1225.00†	1204.64	170.48	48.68	14536.73	7155.01	2365.66	2.45	-70.52	6342.54	160.46	39.75	PASS
1325.00†	1300.09	199.15	56.86	14548.30	7155.18	2365.45	14.02	-69.99	6243.13	160.95	39.00	PASS
1425.00†	1395.55	227.82	65.05	14559.80	7155.35	2365.21	25.52	-69.44	6143.72	161.46	38.26	PASS
1525.00†	1491.00	256.48	73.23	14571.22	7155.52	2364.95	36.94	-68.88	6044.31	161.97	37.52	PASS
1625.00†	1586.45	285.15	81.42	14582.57	7155.69	2364.68	48.29	-68.31	5944.91	162.49	36.79	PASS
1725.00†	1681.91	313.81	89.60	14592.22	7155.84	2364.43	57.92	-67.81	5845.51	163.00	36.06	PASS
1825.00†	1777.36	342.48	97.79	14599.69	7155.95	2364.24	65.40	-67.42	5746.12	163.28	35.34	PASS
1925.00†	1872.81	371.14	105.97	14607.19	7156.06	2364.07	72.89	-67.02	5646.73	163.78	34.62	PASS
2025.00†	1968.27	399.81	114.15	14614.71	7156.17	2363.91	80.41	-66.61	5547.36	164.28	33.91	PASS
2125.00†	2063.72	428.48	122.34	14622.26	7156.28	2363.76	87.96	-66.18	5448.00	164.81	33.19	PASS
2225.00†	2159.17	457.14	130.52	14629.83	7156.39	2363.62	95.53	-65.75	5348.65	165.35	32.48	PASS
2325.00†	2254.63	485.81	138.71	14637.43	7156.49	2363.49	103.12	-65.30	5249.31	165.91	31.77	PASS
2425.00†	2350.08	514.47	146.89	14645.05	7156.59	2363.38	110.74	-64.85	5149.98	166.49	31.06	PASS
2525.00†	2445.53	543.14	155.08	14652.69	7156.69	2363.28	118.38	-64.38	5050.67	167.09	30.35	PASS
2625.00†	2540.98	571.80	163.26	14660.36	7156.78	2363.19	126.05	-63.90	4951.36	167.71	29.64	PASS
2725.00†	2636.44	600.47	171.45	14668.05	7156.87	2363.11	133.74	-63.41	4852.08	168.35	28.94	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 76 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20) Well: HOOD 11C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASSD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14675.77	7156.96	2363.05	141.45	-62.91	4752.81	169.02	28.23	PASS
2925.00†	2827.34	657.80	187.82	14683.46	7157.05	2363.00	149.15	-62.40	4653.55	169.71	27.53	PASS
3025.00†	2922.80	686.47	196.00	14691.15	7157.14	2362.96	156.84	-61.87	4554.32	170.43	26.83	PASS
3125.00†	3018.25	715.13	204.19	14698.88	7157.22	2362.93	164.56	-61.33	4455.10	171.17	26.13	PASS
3225.00†	3113.70	743.80	212.37	14706.64	7157.31	2362.90	172.33	-60.78	4355.90	171.94	25.43	PASS
3325.00†	3209.16	772.46	220.56	14714.44	7157.39	2362.88	180.13	-60.22	4256.72	172.75	24.74	PASS
3425.00†	3304.61	801.13	228.74	14722.28	7157.48	2362.88	187.97	-59.64	4157.56	173.59	24.05	PASS
3525.00†	3400.06	829.79	236.93	14730.16	7157.56	2362.88	195.84	-59.04	4058.43	174.46	23.35	PASS
3625.00†	3495.52	858.46	245.11	14738.07	7157.65	2362.89	203.76	-58.43	3959.32	175.37	22.66	PASS
3725.00†	3590.97	887.13	253.29	14746.02	7157.73	2362.91	211.71	-57.80	3860.24	176.32	21.98	PASS
3825.00†	3686.42	915.79	261.48	14754.01	7157.81	2362.94	219.70	-57.15	3761.19	177.32	21.29	PASS
3925.00†	3781.88	944.46	269.66	14762.04	7157.89	2362.97	227.73	-56.49	3662.17	178.36	20.61	PASS
4025.00†	3877.33	973.12	277.85	14770.05	7157.98	2363.02	235.73	-55.82	3563.18	179.46	19.93	PASS
4125.00†	3972.78	1001.79	286.03	14777.91	7158.05	2363.07	243.59	-55.14	3464.23	180.60	19.25	PASS
4225.00†	4068.23	1030.45	294.22	14785.82	7158.13	2363.14	251.51	-54.45	3365.32	181.80	18.58	PASS
4325.00†	4163.69	1059.12	302.40	14793.79	7158.21	2363.22	259.47	-53.73	3266.45	183.07	17.91	PASS
4425.00†	4259.14	1087.78	310.59	14801.80	7158.29	2363.30	267.48	-53.00	3167.63	184.41	17.24	PASS
4525.00†	4354.59	1116.45	318.77	14809.87	7158.37	2363.40	275.55	-52.24	3068.86	185.83	16.57	PASS
4625.00†	4450.05	1145.12	326.96	14817.99	7158.45	2363.50	283.67	-51.47	2970.15	187.33	15.91	PASS
4725.00†	4545.50	1173.78	335.14	14826.16	7158.53	2363.62	291.84	-50.67	2871.50	188.92	15.25	PASS
4825.00†	4640.95	1202.45	343.33	14834.38	7158.61	2363.75	300.06	-49.85	2772.92	190.62	14.60	PASS
4925.00†	4736.41	1231.11	351.51	14842.66	7158.69	2363.89	308.33	-49.01	2674.42	192.42	13.95	PASS
5025.00†	4831.86	1259.78	359.70	14850.99	7158.77	2364.04	316.66	-48.15	2576.00	194.36	13.30	PASS
5125.00†	4927.31	1288.44	367.88	14859.81	7158.86	2364.21	325.48	-47.22	2477.67	196.43	12.66	PASS
5225.00†	5022.77	1317.11	376.07	14869.73	7158.95	2364.40	335.40	-46.15	2379.45	198.69	12.01	PASS
5325.00†	5118.22	1345.78	384.25	14879.63	7159.05	2364.59	345.30	-45.06	2281.33	201.12	11.38	PASS
5425.00†	5213.67	1374.44	392.43	14889.52	7159.14	2364.78	355.18	-43.95	2183.35	203.74	10.75	PASS
5525.00†	5309.12	1403.11	400.62	14899.38	7159.23	2364.97	365.04	-42.81	2085.51	206.59	10.13	PASS
5625.00†	5404.58	1431.77	408.80	14909.23	7159.33	2365.15	374.88	-41.66	1987.84	209.68	9.51	PASS
5725.00†	5500.03	1460.44	416.99	14919.05	7159.42	2365.34	384.71	-40.48	1890.36	213.07	8.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 77 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20) Well: HOOD 11C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14928.86	7159.51	2365.52	394.51	-39.29	1793.10	216.80	8.29	PASS
5925.00†	5690.94	1517.77	433.36	14938.65	7159.60	2365.70	404.30	-38.08	1696.11	220.92	7.70	PASS
6025.00†	5786.39	1546.43	441.54	14948.25	7159.68	2365.88	413.90	-36.86	1599.43	225.49	7.11	PASS
6125.00†	5881.84	1575.10	449.73	14956.88	7159.76	2366.04	422.52	-35.76	1503.13	230.58	6.54	PASS
6225.00†	5977.30	1603.77	457.91	14965.58	7159.84	2366.22	431.23	-34.63	1407.29	236.31	5.97	PASS
6325.00†	6072.75	1632.43	466.10	14974.37	7159.93	2366.40	440.01	-33.47	1312.00	242.82	5.42	PASS
6425.00†	6168.20	1661.10	474.28	14983.23	7160.01	2366.59	448.87	-32.29	1217.40	250.25	4.88	PASS
6525.00†	6263.66	1689.76	482.47	14992.17	7160.10	2366.79	457.81	-31.08	1123.65	258.80	4.35	PASS
6625.00†	6359.11	1718.43	490.65	15001.20	7160.19	2367.01	466.83	-29.85	1031.00	268.72	3.84	PASS
6725.00†	6454.56	1747.09	498.84	15010.31	7160.29	2367.23	475.94	-28.59	939.76	280.32	3.36	PASS
6825.00†	6550.01	1775.76	507.02	15019.50	7160.38	2367.47	485.12	-27.31	850.38	293.95	2.90	PASS
6888.88	6610.99	1794.07	512.25	15025.41	7160.44	2367.63	491.04	-26.48	794.55	303.91	2.62	PASS
6925.00†	6645.37	1804.39	516.22	15029.72	7160.49	2367.74	495.35	-40.59	763.64	310.04	2.47	PASS
7025.00†	6738.80	1832.44	537.75	15051.19	7160.72	2368.36	516.81	-69.16	682.40	329.05	2.08	PASS
7125.00†	6827.86	1859.15	574.28	15086.30	7161.06	2369.57	551.89	-85.24	609.96	350.64	1.74	PASS
7225.00†	6910.36	1883.87	624.90	15135.43	7161.49	2371.65	600.98	-93.41	549.15	373.43	1.47	PASS
7325.00†	6984.27	1905.99	688.37	15203.19	7162.28	2374.39	668.68	-96.25	501.47	395.41	1.27	PASS
7425.00†	7047.75	1924.97	763.12	15296.12	7163.60	2376.24	761.57	-95.23	465.91	414.42	1.12	PASS
7525.00†	7099.27	1940.34	847.32	15389.19	7164.71	2375.30	854.63	-93.43	439.92	428.67	1.03	PASS
7625.00†	7137.53	1951.72	938.90	15473.00	7165.80	2373.58	938.41	-91.92	422.81	439.00	0.96	FAIL
7663.55†	7148.53	1954.98	975.70	15473.00	7165.80	2373.58	938.41	-92.42	420.61	438.64	0.96	FAIL
7679.03†	7152.35	1956.10	990.66	15473.00	7165.80	2373.58	938.41	-92.50	420.94	442.23	0.95	FAIL
7725.00†	7161.61	1958.83	1035.59	15473.00	7165.80	2373.58	938.41	-92.31	426.00	435.80	0.98	FAIL
7825.00†	7170.90	1961.50	1135.02	15473.00	7165.80	2373.58	938.41	-89.78	456.61	413.41	1.10	PASS
7840.20	7171.00	1961.51	1150.22	15473.00	7165.80	2373.58	938.41	-89.13	463.35	408.95	1.13	PASS
7925.00†	7170.58	1961.28	1235.02	15473.00	7165.80	2373.58	938.41	-89.13	507.93	381.85	1.33	PASS
8025.00†	7170.10	1961.00	1335.01	15473.00	7165.80	2373.58	938.41	-89.13	572.30	349.18	1.64	PASS
8125.00†	7169.61	1960.73	1435.01	15473.00	7165.80	2373.58	938.41	-89.13	645.81	319.31	2.02	PASS
8225.00†	7169.12	1960.46	1535.01	15473.00	7165.80	2373.58	938.41	-89.13	725.68	293.49	2.48	PASS
8325.00†	7168.63	1960.18	1635.01	15473.00	7165.80	2373.58	938.41	-89.13	810.03	271.67	2.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 78 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20) Well: HOOD 11C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8425.00†	7168.14	1959.91	1735.01	15473.00	7165.80	2373.58	938.41	-89.13	897.60	253.34	3.55	PASS
8525.00†	7167.65	1959.64	1835.01	15473.00	7165.80	2373.58	938.41	-89.13	987.54	237.94	4.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1761.00	1736.00	10.00	1738.70	813.15	-4936.86	837.37	-4921.56
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1738.70	813.15	-4936.86	837.37	-4921.56
8.5in Open Hole	1761.00	15473.00	13712.00	1738.70	7165.80	837.37	-4921.56	1129.54	-2182.23

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5 (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 11C-22-M AWB
1712.00	15449.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5 (IFR, SHORT, ROCKIES GT)<1794-15449>	HOOD 11C-22-M AWB
15449.00	15473.00	Blind Drilling (std)	Projection to bit	HOOD 11C-22-M AWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 79 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-22-M AWP</b>	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 80 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-44.80	-90.00	44.80	1.56	73.06	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-44.80	-90.00	44.80	1.88	47.83	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-44.80	-90.00	44.80	2.30	32.85	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	-44.80	-106.07	44.83	2.44	29.73	PASS
325.00†	324.96	2.62	0.75	325.07	325.07	0.11	-44.77	-109.09	45.59	3.08	21.12	PASS
425.00†	424.77	8.49	2.42	425.51	425.47	2.68	-44.18	-113.04	46.98	3.91	15.61	PASS
525.00†	524.30	17.71	5.06	526.08	525.84	8.69	-42.81	-116.64	48.73	4.92	12.08	PASS
625.00†	623.44	30.26	8.64	626.77	626.06	18.14	-40.64	-119.85	50.81	6.00	9.91	PASS
725.00†	722.07	46.13	13.17	727.57	725.99	31.04	-37.68	-122.68	53.18	7.15	8.45	PASS
825.00†	820.05	65.30	18.64	828.50	825.51	47.38	-33.93	-125.12	55.81	8.37	7.41	PASS
925.00†	917.29	87.74	25.05	929.54	924.49	67.15	-29.39	-127.20	58.66	9.67	6.63	PASS
1025.00†	1013.64	113.44	32.39	1030.70	1022.81	90.34	-24.08	-128.95	61.69	11.03	6.03	PASS
1067.21	1054.03	125.25	35.76	1073.44	1064.08	101.15	-21.60	-129.60	63.02	11.66	5.80	PASS
1125.00†	1109.19	141.82	40.49	1131.99	1120.35	116.93	-17.98	-130.04	64.52	12.41	5.55	PASS
1225.00†	1204.64	170.48	48.68	1233.35	1216.93	146.89	-11.10	-128.79	65.43	13.81	5.02	PASS
1325.00†	1300.09	199.15	56.86	1334.54	1312.20	180.10	-3.48	-124.96	64.43	15.38	4.40	PASS
1425.00†	1395.55	227.82	65.05	1435.32	1405.83	216.41	4.85	-118.16	62.13	17.36	3.73	PASS
1525.00†	1491.00	256.48	73.23	1535.24	1497.40	255.38	13.79	-108.02	59.80	19.70	3.14	PASS
1625.00†	1586.45	285.15	81.42	1634.54	1588.11	294.79	22.83	-96.77	59.40	22.16	2.76	PASS
1725.00†	1681.91	313.81	89.60	1733.85	1678.81	334.19	31.86	-85.80	61.30	24.31	2.58	PASS
1825.00†	1777.36	342.48	97.79	1833.15	1769.51	373.59	40.90	-75.81	65.31	24.72	2.69	PASS
1925.00†	1872.81	371.14	105.97	1932.46	1860.22	412.99	49.94	-67.20	71.06	24.17	3.00	PASS
2025.00†	1968.27	399.81	114.15	2031.76	1950.92	452.39	58.98	-60.00	78.17	23.63	3.38	PASS
2125.00†	2063.72	428.48	122.34	2131.07	2041.63	491.79	68.02	-54.06	86.30	23.21	3.80	PASS
2225.00†	2159.17	457.14	130.52	2230.37	2132.33	531.19	77.06	-49.19	95.20	22.94	4.25	PASS
2325.00†	2254.63	485.81	138.71	2329.68	2223.04	570.60	86.10	-45.16	104.67	22.84	4.70	PASS
2425.00†	2350.08	514.47	146.89	2428.98	2313.74	610.00	95.14	-41.82	114.56	22.90	5.13	PASS
2525.00†	2445.53	543.14	155.08	2528.29	2404.45	649.40	104.17	-39.01	124.78	23.10	5.54	PASS
2625.00†	2540.98	571.80	163.26	2627.59	2495.15	688.80	113.21	-36.63	135.25	23.44	5.92	PASS
2725.00†	2636.44	600.47	171.45	2726.90	2585.85	728.20	122.25	-34.60	145.93	23.88	6.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 81 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2826.20	2676.56	767.60	131.29	-32.84	156.75	24.43	6.58	PASS
2925.00†	2827.34	657.80	187.82	2925.51	2767.26	807.00	140.33	-31.31	167.71	25.06	6.86	PASS
3025.00†	2922.80	686.47	196.00	3024.81	2857.97	846.40	149.37	-29.97	178.77	25.76	7.11	PASS
3125.00†	3018.25	715.13	204.19	3124.12	2948.67	885.81	158.41	-28.79	189.91	26.53	7.33	PASS
3225.00†	3113.70	743.80	212.37	3223.42	3039.38	925.21	167.45	-27.73	201.13	27.35	7.52	PASS
3325.00†	3209.16	772.46	220.56	3322.73	3130.08	964.61	176.48	-26.79	212.40	28.22	7.70	PASS
3425.00†	3304.61	801.13	228.74	3422.03	3220.79	1004.01	185.52	-25.95	223.73	29.13	7.85	PASS
3525.00†	3400.06	829.79	236.93	3521.34	3311.49	1043.41	194.56	-25.18	235.10	30.07	7.98	PASS
3625.00†	3495.52	858.46	245.11	3620.64	3402.20	1082.81	203.60	-24.49	246.51	31.05	8.10	PASS
3725.00†	3590.97	887.13	253.29	3719.95	3492.90	1122.21	212.64	-23.86	257.95	32.06	8.21	PASS
3825.00†	3686.42	915.79	261.48	3819.25	3583.60	1161.62	221.68	-23.28	269.42	33.09	8.30	PASS
3925.00†	3781.88	944.46	269.66	3918.56	3674.31	1201.02	230.72	-22.75	280.91	34.14	8.38	PASS
4025.00†	3877.33	973.12	277.85	4017.86	3765.01	1240.42	239.76	-22.26	292.43	35.22	8.45	PASS
4125.00†	3972.78	1001.79	286.03	4117.17	3855.72	1279.82	248.79	-21.80	303.96	36.31	8.52	PASS
4225.00†	4068.23	1030.45	294.22	4216.47	3946.42	1319.22	257.83	-21.38	315.51	37.41	8.58	PASS
4325.00†	4163.69	1059.12	302.40	4315.78	4037.13	1358.62	266.87	-20.99	327.08	38.54	8.63	PASS
4425.00†	4259.14	1087.78	310.59	4415.08	4127.83	1398.02	275.91	-20.63	338.66	39.67	8.67	PASS
4525.00†	4354.59	1116.45	318.77	4514.39	4218.54	1437.42	284.95	-20.29	350.26	40.81	8.72	PASS
4625.00†	4450.05	1145.12	326.96	4613.69	4309.24	1476.83	293.99	-19.97	361.86	41.97	8.75	PASS
4725.00†	4545.50	1173.78	335.14	4713.00	4399.94	1516.23	303.03	-19.68	373.48	43.13	8.79	PASS
4825.00†	4640.95	1202.45	343.33	4812.30	4490.65	1555.63	312.07	-19.40	385.10	44.30	8.82	PASS
4925.00†	4736.41	1231.11	351.51	4911.61	4581.35	1595.03	321.10	-19.13	396.74	45.49	8.84	PASS
5025.00†	4831.86	1259.78	359.70	5010.91	4672.06	1634.43	330.14	-18.89	408.38	46.67	8.87	PASS
5125.00†	4927.31	1288.44	367.88	5110.21	4762.76	1673.83	339.18	-18.65	420.03	47.87	8.89	PASS
5225.00†	5022.77	1317.11	376.07	5209.52	4853.47	1713.23	348.22	-18.43	431.68	49.07	8.91	PASS
5325.00†	5118.22	1345.78	384.25	5308.82	4944.17	1752.63	357.26	-18.22	443.35	50.27	8.93	PASS
5425.00†	5213.67	1374.44	392.43	5408.13	5034.88	1792.04	366.30	-18.02	455.01	51.48	8.95	PASS
5525.00†	5309.12	1403.11	400.62	5507.43	5125.58	1831.44	375.34	-17.83	466.69	52.70	8.96	PASS
5625.00†	5404.58	1431.77	408.80	5606.74	5216.28	1870.84	384.38	-17.65	478.36	53.92	8.98	PASS
5725.00†	5500.03	1460.44	416.99	5706.04	5306.99	1910.24	393.41	-17.48	490.04	55.14	8.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 82 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASH [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5805.35	5397.69	1949.64	402.45	-17.31	501.73	56.37	9.00	PASS
5925.00†	5690.94	1517.77	433.36	5904.65	5488.40	1989.04	411.49	-17.16	513.42	57.60	9.01	PASS
6025.00†	5786.39	1546.43	441.54	6003.96	5579.10	2028.44	420.53	-17.01	525.11	58.84	9.02	PASS
6125.00†	5881.84	1575.10	449.73	6103.26	5669.81	2067.85	429.57	-16.86	536.81	60.07	9.03	PASS
6225.00†	5977.30	1603.77	457.91	6202.57	5760.51	2107.25	438.61	-16.73	548.51	61.31	9.04	PASS
6325.00†	6072.75	1632.43	466.10	6301.87	5851.22	2146.65	447.65	-16.60	560.21	62.56	9.05	PASS
6425.00†	6168.20	1661.10	474.28	6401.18	5941.92	2186.05	456.69	-16.47	571.92	63.80	9.05	PASS
6525.00†	6263.66	1689.76	482.47	6500.48	6032.63	2225.45	465.72	-16.35	583.62	65.05	9.06	PASS
6625.00†	6359.11	1718.43	490.65	6599.79	6123.33	2264.85	474.76	-16.24	595.33	66.30	9.07	PASS
6725.00†	6454.56	1747.09	498.84	6699.09	6214.03	2304.25	483.80	-16.12	607.05	67.55	9.07	PASS
6825.00†	6550.01	1775.76	507.02	6798.40	6304.74	2343.65	492.84	-16.02	618.76	68.80	9.08	PASS
6888.88	6610.99	1794.07	512.25	6861.83	6362.68	2368.82	498.61	-15.95	626.25	69.61	9.08	PASS
6925.00†	6645.37	1804.39	516.22	6897.69	6395.43	2383.05	501.88	-25.10	630.49	70.06	9.08	PASS
7025.00†	6738.80	1832.44	537.75	6998.95	6487.81	2423.14	512.34	-44.51	642.32	71.41	9.07	PASS
7125.00†	6827.86	1859.15	574.28	7106.16	6583.44	2464.18	537.59	-56.16	653.57	72.98	9.03	PASS
7225.00†	6910.36	1883.87	624.90	7216.23	6676.36	2503.44	581.27	-63.19	663.73	74.76	8.95	PASS
7325.00†	6984.27	1905.99	688.37	7329.01	6763.18	2539.45	643.34	-67.66	672.45	76.85	8.82	PASS
7425.00†	7047.75	1924.97	763.12	7444.21	6840.30	2570.66	722.80	-70.59	679.40	79.52	8.61	PASS
7525.00†	7099.27	1940.34	847.32	7561.34	6904.14	2595.57	817.59	-72.52	684.32	82.89	8.32	PASS
7625.00†	7137.53	1951.72	938.90	7679.73	6951.57	2612.92	924.48	-73.74	687.00	86.99	7.95	PASS
7725.00†	7161.61	1958.83	1035.59	7798.60	6980.25	2621.80	1039.31	-74.39	687.34	91.66	7.55	PASS
7825.00†	7170.90	1961.50	1135.02	7916.39	6988.98	2621.88	1156.61	-74.56	685.32	96.61	7.14	PASS
7840.20	7171.00	1961.51	1150.22	7931.58	6988.91	2621.36	1171.79	-74.58	684.86	97.37	7.08	PASS
7925.00†	7170.58	1961.28	1235.02	8016.34	6988.49	2618.48	1256.50	-74.52	682.30	101.82	6.74	PASS
8025.00†	7170.10	1961.00	1335.01	8116.29	6988.00	2615.08	1356.39	-74.45	679.28	107.52	6.35	PASS
8125.00†	7169.61	1960.73	1435.01	8216.24	6987.52	2611.68	1456.29	-74.38	676.27	113.64	5.98	PASS
8225.00†	7169.12	1960.46	1535.01	8316.19	6987.03	2608.27	1556.18	-74.31	673.26	120.11	5.63	PASS
8325.00†	7168.63	1960.18	1635.01	8416.14	6986.54	2604.87	1656.07	-74.24	670.24	126.88	5.31	PASS
8425.00†	7168.14	1959.91	1735.01	8516.09	6986.05	2601.47	1755.96	-74.16	667.23	133.90	5.00	PASS
8525.00†	7167.65	1959.64	1835.01	8616.04	6985.56	2598.07	1855.85	-74.09	664.22	141.13	4.73	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 83 of 356



#### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

#### CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	8716.00	6985.07	2594.67	1955.75	-74.02	661.21	148.54	4.47	PASS
8725.00†	7166.67	1959.09	2035.00	8815.95	6984.58	2591.27	2055.64	-73.94	658.20	156.11	4.23	PASS
8825.00†	7166.18	1958.82	2135.00	8915.90	6984.10	2587.87	2155.53	-73.87	655.19	163.80	4.01	PASS
8925.00†	7165.69	1958.55	2235.00	9015.85	6983.61	2584.47	2255.42	-73.79	652.18	171.61	3.81	PASS
9025.00†	7165.20	1958.27	2335.00	9115.80	6983.12	2581.06	2355.31	-73.71	649.18	179.51	3.63	PASS
9125.00†	7164.71	1958.00	2435.00	9215.75	6982.63	2577.66	2455.20	-73.64	646.17	187.50	3.46	PASS
9225.00†	7164.22	1957.73	2534.99	9315.70	6982.14	2574.26	2555.10	-73.56	643.17	195.55	3.30	PASS
9325.00†	7163.73	1957.46	2634.99	9415.65	6981.65	2570.86	2654.99	-73.48	640.17	203.67	3.15	PASS
9425.00†	7163.24	1957.18	2734.99	9515.60	6981.17	2567.46	2754.88	-73.40	637.17	211.84	3.01	PASS
9525.00†	7162.75	1956.91	2834.99	9615.55	6980.68	2564.06	2854.77	-73.32	634.17	220.06	2.89	PASS
9625.00†	7162.26	1956.64	2934.99	9715.51	6980.19	2560.66	2954.66	-73.24	631.17	228.32	2.77	PASS
9725.00†	7161.77	1956.36	3034.99	9815.46	6979.70	2557.26	3054.56	-73.15	628.17	236.61	2.66	PASS
9825.00†	7161.28	1956.09	3134.99	9915.41	6979.21	2553.86	3154.45	-73.07	625.18	244.94	2.56	PASS
9925.00†	7160.79	1955.82	3234.98	10015.36	6978.72	2550.45	3254.34	-72.99	622.19	253.29	2.46	PASS
10025.00†	7160.30	1955.55	3334.98	10115.31	6978.23	2547.05	3354.23	-72.90	619.19	261.66	2.37	PASS
10125.00†	7159.81	1955.27	3434.98	10215.26	6977.75	2543.65	3454.12	-72.82	616.20	270.05	2.29	PASS
10225.00†	7159.32	1955.00	3534.98	10315.21	6977.26	2540.25	3554.02	-72.73	613.21	278.46	2.21	PASS
10325.00†	7158.83	1954.73	3634.98	10414.71	6976.77	2536.87	3653.45	-72.64	610.22	286.89	2.13	PASS
10425.00†	7158.34	1954.45	3734.98	10497.82	6976.37	2533.31	3736.55	-72.61	608.69	295.33	2.06	PASS
10525.00†	7157.85	1954.18	3834.97	10586.95	6975.93	2536.10	3825.67	-72.63	609.76	303.77	2.01	PASS
10625.00†	7157.36	1953.91	3934.97	10686.94	6975.44	2537.54	3925.65	-72.68	611.40	312.39	1.96	PASS
10725.00†	7156.87	1953.64	4034.97	10786.92	6974.95	2538.98	4025.62	-72.73	613.04	321.03	1.91	PASS
10825.00†	7156.38	1953.36	4134.97	10886.91	6974.46	2540.43	4125.59	-72.78	614.68	329.69	1.87	PASS
10925.00†	7155.89	1953.09	4234.97	10986.89	6973.97	2541.87	4225.57	-72.82	616.32	338.36	1.82	PASS
11025.00†	7155.40	1952.82	4334.97	11086.88	6973.48	2543.32	4325.54	-72.87	617.96	347.06	1.78	PASS
11125.00†	7154.92	1952.55	4434.96	11186.86	6972.99	2544.76	4425.51	-72.92	619.60	355.77	1.74	PASS
11225.00†	7154.43	1952.27	4534.96	11286.85	6972.50	2546.21	4525.49	-72.97	621.25	364.49	1.71	PASS
11325.00†	7153.94	1952.00	4634.96	11386.83	6972.01	2547.65	4625.46	-73.01	622.89	373.23	1.67	PASS
11425.00†	7153.45	1951.73	4734.96	11486.82	6971.52	2549.10	4725.44	-73.06	624.53	381.98	1.64	PASS
11525.00†	7152.96	1951.45	4834.96	11586.81	6971.03	2550.54	4825.41	-73.10	626.18	390.74	1.60	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 84 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	11686.79	6970.54	2551.99	4925.38	-73.15	627.82	399.52	1.57	PASS
11725.00†	7151.98	1950.91	5034.96	11786.78	6970.06	2553.43	5025.36	-73.19	629.46	408.30	1.54	PASS
11825.00†	7151.49	1950.64	5134.95	11886.76	6969.57	2554.88	5125.33	-73.24	631.11	417.10	1.51	PASS
11925.00†	7151.00	1950.36	5234.95	11986.75	6969.08	2556.32	5225.30	-73.28	632.75	425.91	1.49	PASS
12025.00†	7150.51	1950.09	5334.95	12086.73	6968.59	2557.77	5325.28	-73.33	634.40	434.72	1.46	PASS
12125.00†	7150.02	1949.82	5434.95	12186.72	6968.10	2559.21	5425.25	-73.37	636.05	443.55	1.43	PASS
12225.00†	7149.53	1949.54	5534.95	12286.70	6967.61	2560.66	5525.22	-73.42	637.69	452.38	1.41	PASS
12325.00†	7149.04	1949.27	5634.95	12386.69	6967.12	2562.10	5625.20	-73.46	639.34	461.23	1.39	PASS
12425.00†	7148.55	1949.00	5734.94	12486.67	6966.63	2563.55	5725.17	-73.51	640.99	470.08	1.36	PASS
12525.00†	7148.06	1948.73	5834.94	12586.66	6966.14	2564.99	5825.15	-73.55	642.63	478.94	1.34	PASS
12625.00†	7147.57	1948.45	5934.94	12686.64	6965.65	2566.44	5925.12	-73.59	644.28	487.80	1.32	PASS
12725.00†	7147.08	1948.18	6034.94	12786.63	6965.16	2567.88	6025.09	-73.64	645.93	496.68	1.30	PASS
12825.00†	7146.59	1947.91	6134.94	12886.61	6964.67	2569.33	6125.07	-73.68	647.58	505.56	1.28	PASS
12925.00†	7146.10	1947.63	6234.94	12986.60	6964.18	2570.77	6225.04	-73.72	649.23	514.44	1.26	PASS
13025.00†	7145.61	1947.36	6334.94	13086.58	6963.69	2572.22	6325.01	-73.76	650.88	523.34	1.24	PASS
13125.00†	7145.12	1947.09	6434.93	13186.57	6963.20	2573.66	6424.99	-73.81	652.53	532.24	1.23	PASS
13225.00†	7144.63	1946.82	6534.93	13286.55	6962.71	2575.11	6524.96	-73.85	654.18	541.15	1.21	PASS
13325.00†	7144.14	1946.54	6634.93	13386.54	6962.22	2576.55	6624.93	-73.89	655.83	550.06	1.19	PASS
13425.00†	7143.65	1946.27	6734.93	13486.52	6961.73	2578.00	6724.91	-73.93	657.48	558.98	1.18	PASS
13525.00†	7143.16	1946.00	6834.93	13586.51	6961.24	2579.44	6824.88	-73.97	659.13	567.90	1.16	PASS
13625.00†	7142.67	1945.72	6934.93	13686.50	6960.75	2580.89	6924.85	-74.01	660.78	576.83	1.15	PASS
13725.00†	7142.18	1945.45	7034.92	13786.48	6960.27	2582.33	7024.83	-74.05	662.43	585.76	1.13	PASS
13825.00†	7141.69	1945.18	7134.92	13886.47	6959.78	2583.78	7124.80	-74.09	664.08	594.70	1.12	PASS
13925.00†	7141.20	1944.91	7234.92	13986.45	6959.29	2585.22	7224.78	-74.13	665.73	603.65	1.10	PASS
14025.00†	7140.71	1944.63	7334.92	14086.44	6958.80	2586.67	7324.75	-74.18	667.39	612.60	1.09	PASS
14125.00†	7140.23	1944.36	7434.92	14186.42	6958.31	2588.11	7424.72	-74.22	669.04	621.55	1.08	PASS
14225.00†	7139.74	1944.09	7534.92	14286.41	6957.82	2589.56	7524.70	-74.26	670.69	630.51	1.06	PASS
14325.00†	7139.25	1943.82	7634.91	14386.39	6957.33	2591.00	7624.67	-74.30	672.35	639.47	1.05	PASS
14425.00†	7138.76	1943.54	7734.91	14486.38	6956.84	2592.45	7724.64	-74.33	674.00	648.44	1.04	PASS
14525.00†	7138.27	1943.27	7834.91	14586.36	6956.35	2593.89	7824.62	-74.37	675.66	657.41	1.03	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 85 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14686.35	6955.86	2595.34	7924.59	-74.41	677.31	666.38	1.02	PASS
14725.00†	7137.29	1942.72	8034.91	14786.33	6955.37	2596.78	8024.56	-74.45	678.96	675.36	1.01	PASS
14825.00†	7136.80	1942.45	8134.91	14886.32	6954.88	2598.23	8124.54	-74.49	680.62	684.35	0.99	FAIL
14925.00†	7136.31	1942.18	8234.91	14986.30	6954.39	2599.67	8224.51	-74.53	682.28	693.33	0.98	FAIL
15025.00†	7135.82	1941.91	8334.90	15086.29	6953.90	2601.12	8324.49	-74.57	683.93	702.33	0.97	FAIL
15125.00†	7135.33	1941.63	8434.90	15186.27	6953.41	2602.56	8424.46	-74.61	685.59	711.32	0.96	FAIL
15192.09	7135.00	1941.45	8501.99	15253.35	6953.08	2603.53	8491.53	-74.63	686.70	717.36	0.96	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical
			1.000ft
			3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1693.56	0.00	-27.31	103.81	-3.49
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.56	0.00	-27.31	103.81	-3.49
8.5in Open Hole	1750.00	15270.54	13520.54	1693.56	6953.00	103.81	-3.49	793.63	2579.80

SURVEY PROGRAM - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-23B-M PWB
1750.00	15270.54	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-23B-M PWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 86 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-23B-M PWB Offset Wellpath: TROUDT 1N-23B-M PWP (REV-A.0)	
MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 87 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	45.08	90.00	45.08	1.56	73.52	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	45.08	90.00	45.08	1.88	48.10	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	45.08	90.00	45.08	2.30	33.03	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	45.08	74.20	45.05	2.44	29.86	PASS
325.00†	324.96	2.62	0.75	324.84	324.84	0.10	45.12	77.32	44.44	3.05	20.82	PASS
425.00†	424.77	8.49	2.42	424.36	424.32	2.51	46.06	81.85	44.05	3.71	15.68	PASS
439.70†	439.42	9.64	2.75	438.93	438.87	3.14	46.31	82.52	44.04	3.82	15.11	PASS
525.00†	524.30	17.71	5.06	523.99	523.76	8.15	48.27	86.48	44.27	4.41	12.58	PASS
625.00†	623.44	30.26	8.64	623.74	623.06	17.01	51.75	91.06	45.10	5.20	10.43	PASS
725.00†	722.07	46.13	13.17	723.61	722.07	29.10	56.49	95.43	46.55	6.16	8.77	PASS
825.00†	820.05	65.30	18.64	823.60	820.69	44.42	62.50	99.46	48.58	7.34	7.47	PASS
925.00†	917.29	87.74	25.05	923.68	918.77	62.95	69.77	103.08	51.15	8.70	6.48	PASS
1025.00†	1013.64	113.44	32.39	1023.50	1016.27	82.86	77.58	108.20	54.62	10.24	5.79	PASS
1067.21	1054.03	125.25	35.76	1065.57	1057.36	91.25	80.87	111.14	56.58	10.92	5.59	PASS
1125.00†	1109.19	141.82	40.49	1123.12	1113.58	102.74	85.37	115.25	59.67	11.81	5.41	PASS
1225.00†	1204.64	170.48	48.68	1222.72	1210.86	122.60	93.17	121.40	65.65	13.25	5.26	PASS
1325.00†	1300.09	199.15	56.86	1322.31	1308.14	142.47	100.96	126.48	72.26	14.56	5.24	PASS
1425.00†	1395.55	227.82	65.05	1421.91	1405.42	162.34	108.75	130.69	79.34	15.74	5.30	PASS
1525.00†	1491.00	256.48	73.23	1521.50	1502.70	182.21	116.55	134.19	86.77	16.85	5.40	PASS
1625.00†	1586.45	285.15	81.42	1621.10	1599.98	202.08	124.34	137.13	94.48	17.90	5.52	PASS
1725.00†	1681.91	313.81	89.60	1720.69	1697.26	221.95	132.13	139.62	102.39	18.89	5.66	PASS
1825.00†	1777.36	342.48	97.79	1820.29	1794.54	241.82	139.92	141.76	110.47	19.05	5.98	PASS
1925.00†	1872.81	371.14	105.97	1919.88	1891.82	261.69	147.72	143.60	118.68	18.96	6.46	PASS
2025.00†	1968.27	399.81	114.15	2019.48	1989.11	281.55	155.51	145.20	127.00	18.96	6.92	PASS
2125.00†	2063.72	428.48	122.34	2119.07	2086.39	301.42	163.30	146.60	135.40	19.06	7.34	PASS
2225.00†	2159.17	457.14	130.52	2218.66	2183.67	321.29	171.10	147.84	143.88	19.25	7.72	PASS
2325.00†	2254.63	485.81	138.71	2318.26	2280.95	341.16	178.89	148.94	152.41	19.53	8.06	PASS
2425.00†	2350.08	514.47	146.89	2417.85	2378.23	361.03	186.68	149.92	161.00	19.89	8.35	PASS
2525.00†	2445.53	543.14	155.08	2517.45	2475.51	380.90	194.48	150.81	169.63	20.33	8.61	PASS
2625.00†	2540.98	571.80	163.26	2617.04	2572.79	400.77	202.27	151.60	178.29	20.84	8.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 88 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2725.00†	2636.44	600.47	171.45	2716.64	2670.07	420.63	210.06	152.33	186.98	21.41	9.00	PASS
2825.00†	2731.89	629.13	179.63	2816.23	2767.36	440.50	217.86	152.99	195.71	22.03	9.14	PASS
2925.00†	2827.34	657.80	187.82	2915.83	2864.64	460.37	225.65	153.59	204.45	22.71	9.26	PASS
3025.00†	2922.80	686.47	196.00	3015.42	2961.92	480.24	233.44	154.15	213.22	23.43	9.35	PASS
3125.00†	3018.25	715.13	204.19	3115.02	3059.20	500.11	241.23	154.66	222.00	24.20	9.42	PASS
3225.00†	3113.70	743.80	212.37	3214.61	3156.48	519.98	249.03	155.13	230.80	25.00	9.47	PASS
3325.00†	3209.16	772.46	220.56	3314.21	3253.76	539.85	256.82	155.56	239.61	25.83	9.51	PASS
3425.00†	3304.61	801.13	228.74	3413.80	3351.04	559.71	264.61	155.97	248.44	26.70	9.53	PASS
3525.00†	3400.06	829.79	236.93	3513.40	3448.32	579.58	272.41	156.35	257.28	27.59	9.55	PASS
3625.00†	3495.52	858.46	245.11	3612.99	3545.60	599.45	280.20	156.70	266.13	28.50	9.55	PASS
3725.00†	3590.97	887.13	253.29	3712.59	3642.89	619.32	287.99	157.03	274.99	29.44	9.55	PASS
3825.00†	3686.42	915.79	261.48	3812.18	3740.17	639.19	295.79	157.34	283.86	30.39	9.54	PASS
3925.00†	3781.88	944.46	269.66	3911.78	3837.45	659.06	303.58	157.63	292.73	31.37	9.52	PASS
4025.00†	3877.33	973.12	277.85	4011.37	3934.73	678.93	311.37	157.90	301.61	32.36	9.51	PASS
4125.00†	3972.78	1001.79	286.03	4110.97	4032.01	698.79	319.16	158.16	310.50	33.36	9.49	PASS
4225.00†	4068.23	1030.45	294.22	4210.56	4129.29	718.66	326.96	158.41	319.39	34.37	9.47	PASS
4325.00†	4163.69	1059.12	302.40	4310.16	4226.57	738.53	334.75	158.64	328.29	35.40	9.44	PASS
4425.00†	4259.14	1087.78	310.59	4409.75	4323.85	758.40	342.54	158.85	337.20	36.44	9.42	PASS
4525.00†	4354.59	1116.45	318.77	4509.34	4421.13	778.27	350.34	159.06	346.11	37.49	9.39	PASS
4625.00†	4450.05	1145.12	326.96	4608.94	4518.42	798.14	358.13	159.26	355.02	38.54	9.36	PASS
4725.00†	4545.50	1173.78	335.14	4708.53	4615.70	818.01	365.92	159.44	363.94	39.61	9.34	PASS
4825.00†	4640.95	1202.45	343.33	4808.13	4712.98	837.88	373.72	159.62	372.86	40.68	9.31	PASS
4925.00†	4736.41	1231.11	351.51	4907.72	4810.26	857.74	381.51	159.79	381.78	41.76	9.28	PASS
5025.00†	4831.86	1259.78	359.70	5007.32	4907.54	877.61	389.30	159.95	390.71	42.84	9.26	PASS
5125.00†	4927.31	1288.44	367.88	5106.91	5004.82	897.48	397.10	160.11	399.64	43.93	9.23	PASS
5225.00†	5022.77	1317.11	376.07	5206.51	5102.10	917.35	404.89	160.26	408.57	45.03	9.20	PASS
5325.00†	5118.22	1345.78	384.25	5306.10	5199.38	937.22	412.68	160.40	417.51	46.13	9.18	PASS
5425.00†	5213.67	1374.44	392.43	5405.70	5296.67	957.09	420.47	160.53	426.45	47.24	9.15	PASS
5525.00†	5309.12	1403.11	400.62	5505.29	5393.95	976.96	428.27	160.66	435.39	48.35	9.12	PASS
5625.00†	5404.58	1431.77	408.80	5604.89	5491.23	996.82	436.06	160.79	444.33	49.46	9.10	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 89 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5725.00†	5500.03	1460.44	416.99	5704.48	5588.51	1016.69	443.85	160.91	453.28	50.58	9.08	PASS
5825.00†	5595.48	1489.10	425.17	5804.08	5685.79	1036.56	451.65	161.02	462.22	51.70	9.05	PASS
5925.00†	5690.94	1517.77	433.36	5903.67	5783.07	1056.43	459.44	161.14	471.17	52.82	9.03	PASS
6025.00†	5786.39	1546.43	441.54	6003.27	5880.35	1076.30	467.23	161.24	480.12	53.95	9.00	PASS
6125.00†	5881.84	1575.10	449.73	6102.86	5977.63	1096.17	475.03	161.34	489.07	55.08	8.98	PASS
6225.00†	5977.30	1603.77	457.91	6202.46	6074.91	1116.04	482.82	161.44	498.03	56.21	8.96	PASS
6325.00†	6072.75	1632.43	466.10	6302.05	6172.20	1135.90	490.61	161.54	506.98	57.34	8.94	PASS
6425.00†	6168.20	1661.10	474.28	6401.65	6269.48	1155.77	498.41	161.63	515.94	58.48	8.92	PASS
6525.00†	6263.66	1689.76	482.47	6501.24	6366.76	1175.64	506.20	161.72	524.89	59.62	8.90	PASS
6625.00†	6359.11	1718.43	490.65	6598.65	6461.67	1195.02	516.12	161.56	533.97	60.76	8.88	PASS
6725.00†	6454.56	1747.09	498.84	6692.13	6550.62	1213.17	538.04	160.08	543.91	61.91	8.88	PASS
6825.00†	6550.01	1775.76	507.02	6779.68	6630.25	1229.41	570.41	157.48	555.84	63.23	8.88	PASS
6888.88	6610.99	1794.07	512.25	6831.35	6674.95	1238.51	594.66	155.45	565.27	64.01	8.92	PASS
6925.00†	6645.37	1804.39	516.22	6859.33	6698.30	1243.27	609.30	144.27	571.25	64.45	8.95	PASS
7025.00†	6738.80	1832.44	537.75	6934.85	6757.97	1255.40	653.91	120.40	588.92	65.68	9.05	PASS
7125.00†	6827.86	1859.15	574.28	7008.06	6810.47	1266.07	703.73	105.03	607.29	67.12	9.13	PASS
7225.00†	6910.36	1883.87	624.90	7079.44	6855.95	1275.30	757.93	94.77	625.31	68.66	9.19	PASS
7325.00†	6984.27	1905.99	688.37	7149.42	6894.49	1283.11	815.77	87.58	642.08	70.37	9.21	PASS
7425.00†	7047.75	1924.97	763.12	7218.31	6926.14	1289.50	876.59	82.42	656.87	72.42	9.15	PASS
7525.00†	7099.27	1940.34	847.32	7286.39	6950.91	1294.49	939.77	78.75	669.08	74.89	9.01	PASS
7625.00†	7137.53	1951.72	938.90	7353.89	6968.81	1298.07	1004.72	76.25	678.27	77.74	8.80	PASS
7725.00†	7161.61	1958.83	1035.59	7421.00	6979.83	1300.24	1070.85	74.77	684.12	80.94	8.52	PASS
7825.00†	7170.90	1961.50	1135.02	7487.91	6983.97	1301.01	1137.60	74.20	686.43	84.54	8.18	PASS
7840.20	7171.00	1961.51	1150.22	7498.07	6984.00	1301.00	1147.76	74.19	686.47	84.88	8.15	PASS
7925.00†	7170.58	1961.28	1235.02	7582.74	6983.53	1300.80	1232.43	74.19	686.45	89.45	7.73	PASS
8025.00†	7170.10	1961.00	1335.01	7682.74	6982.97	1300.57	1332.43	74.18	686.43	95.31	7.25	PASS
8125.00†	7169.61	1960.73	1435.01	7782.74	6982.41	1300.34	1432.43	74.17	686.42	101.62	6.80	PASS
8225.00†	7169.12	1960.46	1535.01	7882.74	6981.85	1300.10	1532.42	74.17	686.40	108.29	6.37	PASS
8325.00†	7168.63	1960.18	1635.01	7982.74	6981.30	1299.87	1632.42	74.16	686.38	115.27	5.99	PASS
8425.00†	7168.14	1959.91	1735.01	8082.74	6980.74	1299.64	1732.42	74.16	686.36	122.50	5.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 90 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8525.00†	7167.65	1959.64	1835.01	8182.74	6980.18	1299.40	1832.42	74.15	686.34	129.94	5.31	PASS
8625.00†	7167.16	1959.37	1935.00	8282.74	6979.62	1299.17	1932.42	74.14	686.32	137.56	5.01	PASS
8725.00†	7166.67	1959.09	2035.00	8382.74	6979.06	1298.94	2032.42	74.14	686.30	145.32	4.74	PASS
8825.00†	7166.18	1958.82	2135.00	8482.74	6978.51	1298.70	2132.41	74.13	686.28	153.21	4.50	PASS
8925.00†	7165.69	1958.55	2235.00	8582.74	6977.95	1298.47	2232.41	74.12	686.26	161.20	4.27	PASS
9025.00†	7165.20	1958.27	2335.00	8682.74	6977.39	1298.24	2332.41	74.12	686.24	169.29	4.07	PASS
9125.00†	7164.71	1958.00	2435.00	8782.74	6976.83	1298.00	2432.41	74.11	686.22	177.45	3.88	PASS
9225.00†	7164.22	1957.73	2534.99	8882.74	6976.27	1297.77	2532.41	74.10	686.20	185.68	3.71	PASS
9325.00†	7163.73	1957.46	2634.99	8982.74	6975.72	1297.54	2632.40	74.10	686.18	193.97	3.55	PASS
9425.00†	7163.24	1957.18	2734.99	9082.74	6975.16	1297.30	2732.40	74.09	686.16	202.32	3.40	PASS
9525.00†	7162.75	1956.91	2834.99	9182.74	6974.60	1297.07	2832.40	74.08	686.15	210.71	3.26	PASS
9625.00†	7162.26	1956.64	2934.99	9282.74	6974.04	1296.84	2932.40	74.08	686.13	219.13	3.14	PASS
9725.00†	7161.77	1956.36	3034.99	9382.74	6973.48	1296.60	3032.40	74.07	686.11	227.60	3.02	PASS
9825.00†	7161.28	1956.09	3134.99	9482.74	6972.93	1296.37	3132.39	74.07	686.09	236.09	2.91	PASS
9925.00†	7160.79	1955.82	3234.98	9582.74	6972.37	1296.14	3232.39	74.06	686.07	244.62	2.81	PASS
10025.00†	7160.30	1955.55	3334.98	9682.74	6971.81	1295.90	3332.39	74.05	686.05	253.17	2.71	PASS
10125.00†	7159.81	1955.27	3434.98	9782.74	6971.25	1295.67	3432.39	74.05	686.03	261.74	2.63	PASS
10225.00†	7159.32	1955.00	3534.98	9882.74	6970.69	1295.44	3532.39	74.04	686.01	270.34	2.54	PASS
10325.00†	7158.83	1954.73	3634.98	9982.74	6970.14	1295.20	3632.39	74.03	685.99	278.95	2.46	PASS
10425.00†	7158.34	1954.45	3734.98	10082.74	6969.58	1294.97	3732.38	74.03	685.97	287.58	2.39	PASS
10525.00†	7157.85	1954.18	3834.97	10182.74	6969.02	1294.74	3832.38	74.02	685.95	296.22	2.32	PASS
10625.00†	7157.36	1953.91	3934.97	10282.74	6968.46	1294.50	3932.38	74.01	685.93	304.88	2.25	PASS
10725.00†	7156.87	1953.64	4034.97	10382.74	6967.90	1294.27	4032.38	74.01	685.92	313.55	2.19	PASS
10825.00†	7156.38	1953.36	4134.97	10482.74	6967.35	1294.04	4132.38	74.00	685.90	322.24	2.13	PASS
10925.00†	7155.89	1953.09	4234.97	10582.74	6966.79	1293.80	4232.37	74.00	685.88	330.93	2.07	PASS
11025.00†	7155.40	1952.82	4334.97	10682.74	6966.23	1293.57	4332.37	73.99	685.86	339.63	2.02	PASS
11125.00†	7154.92	1952.55	4434.96	10782.74	6965.67	1293.34	4432.37	73.98	685.84	348.35	1.97	PASS
11225.00†	7154.43	1952.27	4534.96	10882.74	6965.11	1293.10	4532.37	73.98	685.82	357.07	1.92	PASS
11325.00†	7153.94	1952.00	4634.96	10982.74	6964.56	1292.87	4632.37	73.97	685.80	365.80	1.88	PASS
11425.00†	7153.45	1951.73	4734.96	11082.74	6964.00	1292.64	4732.37	73.96	685.78	374.54	1.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

## TROUDT 41C-23-M PWP (REV-A.0)

### Closest Approach

Page 91 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11525.00†	7152.96	1951.45	4834.96	11182.74	6963.44	1292.40	4832.36	73.96	685.76	383.28	1.79	PASS
11625.00†	7152.47	1951.18	4934.96	11282.74	6962.88	1292.17	4932.36	73.95	685.74	392.03	1.75	PASS
11725.00†	7151.98	1950.91	5034.96	11382.74	6962.32	1291.94	5032.36	73.94	685.72	400.78	1.71	PASS
11825.00†	7151.49	1950.64	5134.95	11482.74	6961.77	1291.70	5132.36	73.94	685.71	409.55	1.68	PASS
11925.00†	7151.00	1950.36	5234.95	11582.74	6961.21	1291.47	5232.36	73.93	685.69	418.31	1.64	PASS
12025.00†	7150.51	1950.09	5334.95	11682.74	6960.65	1291.24	5332.35	73.93	685.67	427.08	1.61	PASS
12125.00†	7150.02	1949.82	5434.95	11782.74	6960.09	1291.00	5432.35	73.92	685.65	435.86	1.57	PASS
12225.00†	7149.53	1949.54	5534.95	11882.74	6959.53	1290.77	5532.35	73.91	685.63	444.63	1.54	PASS
12325.00†	7149.04	1949.27	5634.95	11982.74	6958.98	1290.54	5632.35	73.91	685.61	453.42	1.51	PASS
12425.00†	7148.55	1949.00	5734.94	12082.74	6958.42	1290.30	5732.35	73.90	685.59	462.20	1.48	PASS
12525.00†	7148.06	1948.73	5834.94	12182.74	6957.86	1290.07	5832.34	73.89	685.57	470.99	1.46	PASS
12625.00†	7147.57	1948.45	5934.94	12282.74	6957.30	1289.84	5932.34	73.89	685.55	479.78	1.43	PASS
12725.00†	7147.08	1948.18	6034.94	12382.74	6956.74	1289.60	6032.34	73.88	685.53	488.58	1.40	PASS
12825.00†	7146.59	1947.91	6134.94	12482.74	6956.19	1289.37	6132.34	73.87	685.52	497.38	1.38	PASS
12925.00†	7146.10	1947.63	6234.94	12582.74	6955.63	1289.14	6232.34	73.87	685.50	506.18	1.35	PASS
13025.00†	7145.61	1947.36	6334.94	12682.74	6955.07	1288.90	6332.34	73.86	685.48	514.98	1.33	PASS
13125.00†	7145.12	1947.09	6434.93	12782.74	6954.51	1288.67	6432.33	73.86	685.46	523.79	1.31	PASS
13225.00†	7144.63	1946.82	6534.93	12882.74	6953.95	1288.44	6532.33	73.85	685.44	532.59	1.29	PASS
13325.00†	7144.14	1946.54	6634.93	12982.74	6953.40	1288.20	6632.33	73.84	685.42	541.40	1.27	PASS
13425.00†	7143.65	1946.27	6734.93	13082.74	6952.84	1287.97	6732.33	73.83	685.40	550.21	1.25	PASS
13525.00†	7143.16	1946.00	6834.93	13182.74	6952.28	1287.74	6832.33	73.83	685.38	559.03	1.23	PASS
13625.00†	7142.67	1945.72	6934.93	13282.74	6951.72	1287.50	6932.32	73.82	685.36	567.84	1.21	PASS
13725.00†	7142.18	1945.45	7034.92	13382.74	6951.16	1287.27	7032.32	73.82	685.35	576.66	1.19	PASS
13825.00†	7141.69	1945.18	7134.92	13482.74	6950.61	1287.04	7132.32	73.81	685.33	585.47	1.17	PASS
13925.00†	7141.20	1944.91	7234.92	13582.74	6950.05	1286.80	7232.32	73.80	685.31	594.29	1.15	PASS
14025.00†	7140.71	1944.63	7334.92	13682.74	6949.49	1286.57	7332.32	73.80	685.29	603.11	1.14	PASS
14125.00†	7140.23	1944.36	7434.92	13782.74	6948.93	1286.34	7432.31	73.79	685.27	611.93	1.12	PASS
14225.00†	7139.74	1944.09	7534.92	13882.74	6948.37	1286.10	7532.31	73.78	685.25	620.75	1.10	PASS
14325.00†	7139.25	1943.82	7634.91	13982.74	6947.82	1285.87	7632.31	73.78	685.23	629.58	1.09	PASS
14425.00†	7138.76	1943.54	7734.91	14082.74	6947.26	1285.64	7732.31	73.77	685.21	638.40	1.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 92 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27) Well: TROUDT 8N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14525.00†	7138.27	1943.27	7834.91	14182.74	6946.70	1285.40	7832.31	73.77	685.19	647.22	1.06	PASS
14625.00†	7137.78	1943.00	7934.91	14282.74	6946.14	1285.17	7932.31	73.76	685.18	656.05	1.04	PASS
14725.00†	7137.29	1942.72	8034.91	14382.74	6945.58	1284.94	8032.30	73.75	685.16	664.88	1.03	PASS
14825.00†	7136.80	1942.45	8134.91	14482.74	6945.03	1284.70	8132.30	73.75	685.14	673.70	1.02	PASS
14925.00†	7136.31	1942.18	8234.91	14582.74	6944.47	1284.47	8232.30	73.74	685.12	682.53	1.00	PASS
15025.00†	7135.82	1941.91	8334.90	14682.74	6943.91	1284.24	8332.30	73.73	685.10	691.36	0.99	FAIL
15125.00†	7135.33	1941.63	8434.90	14782.74	6943.35	1284.00	8432.30	73.73	685.08	700.19	0.98	FAIL
15192.09	7135.00	1941.45	8501.99	14845.98	6943.00	1283.86	8495.54	73.72	685.08	705.82	0.97	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1725.89	0.00	27.48	69.43	54.71
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.89	0.00	27.48	69.43	54.71
8.5in Open Hole	1750.00	14845.98	13095.98	1725.89	6943.00	69.43	54.71	391.32	2603.18



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 93 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8N-23B-M PWB
1750.00	14845.98	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8N-23B-M PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 94 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14020.05	6887.97	1591.39	-135.28	-4.86	7046.36	96.59	73.64	PASS
125.00†	125.00	0.00	0.00	14022.64	6888.04	1591.32	-132.69	-4.77	6949.00	97.64	71.84	PASS
200.00	200.00	0.00	0.00	14024.58	6888.08	1591.27	-130.75	-4.70	6876.03	98.06	70.78	PASS
225.00†	225.00	0.10	0.03	14025.26	6888.10	1591.26	-130.07	-21.37	6851.69	98.20	70.42	PASS
325.00†	324.96	2.62	0.75	14028.50	6888.19	1591.18	-126.83	-24.88	6753.94	98.74	69.03	PASS
425.00†	424.77	8.49	2.42	14032.61	6888.29	1591.07	-122.73	-29.63	6655.62	99.23	67.69	PASS
525.00†	524.30	17.71	5.06	14037.58	6888.42	1590.95	-117.76	-36.29	6556.84	99.68	66.38	PASS
625.00†	623.44	30.26	8.64	14043.41	6888.56	1590.80	-111.93	-46.02	6457.68	100.06	65.13	PASS
725.00†	722.07	46.13	13.17	14050.04	6888.73	1590.64	-105.31	-60.49	6358.25	100.38	63.92	PASS
825.00†	820.05	65.30	18.64	14053.30	6888.82	1590.56	-102.05	-80.86	6258.66	100.58	62.79	PASS
925.00†	917.29	87.74	25.05	14056.99	6888.91	1590.47	-98.36	-103.65	6159.04	100.70	61.71	PASS
1025.00†	1013.64	113.44	32.39	14061.11	6889.03	1590.36	-94.24	-122.84	6059.49	100.75	60.69	PASS
1067.21	1054.03	125.25	35.76	14062.98	6889.08	1590.31	-92.37	-129.19	6017.53	100.74	60.27	PASS
1125.00†	1109.19	141.82	40.49	14065.60	6889.16	1590.24	-89.75	-129.29	5960.11	100.72	59.71	PASS
1225.00†	1204.64	170.48	48.68	14070.21	6889.29	1590.12	-85.15	-129.46	5860.76	100.69	58.73	PASS
1325.00†	1300.09	199.15	56.86	14074.90	6889.44	1589.98	-80.46	-129.64	5761.43	100.66	57.76	PASS
1425.00†	1395.55	227.82	65.05	14079.67	6889.59	1589.85	-75.70	-129.82	5662.11	100.62	56.78	PASS
1525.00†	1491.00	256.48	73.23	14084.53	6889.76	1589.70	-70.84	-130.01	5562.81	100.59	55.80	PASS
1625.00†	1586.45	285.15	81.42	14089.48	6889.93	1589.55	-65.90	-130.20	5463.52	100.56	54.82	PASS
1725.00†	1681.91	313.81	89.60	14094.51	6890.11	1589.40	-60.87	-130.41	5364.25	100.52	53.85	PASS
1825.00†	1777.36	342.48	97.79	14099.65	6890.30	1589.23	-55.74	-130.61	5264.99	100.28	52.87	PASS
1925.00†	1872.81	371.14	105.97	14104.87	6890.50	1589.06	-50.52	-130.83	5165.75	100.23	51.90	PASS
2025.00†	1968.27	399.81	114.15	14110.20	6890.71	1588.88	-45.20	-131.06	5066.54	100.19	50.92	PASS
2125.00†	2063.72	428.48	122.34	14115.63	6890.94	1588.70	-39.78	-131.29	4967.34	100.14	49.95	PASS
2225.00†	2159.17	457.14	130.52	14121.16	6891.17	1588.50	-34.26	-131.53	4868.16	100.09	48.98	PASS
2325.00†	2254.63	485.81	138.71	14126.80	6891.42	1588.30	-28.62	-131.78	4769.00	100.03	48.01	PASS
2425.00†	2350.08	514.47	146.89	14132.56	6891.68	1588.09	-22.88	-132.04	4669.86	99.98	47.04	PASS
2525.00†	2445.53	543.14	155.08	14138.42	6891.96	1587.86	-17.03	-132.31	4570.75	99.92	46.07	PASS
2625.00†	2540.98	571.80	163.26	14143.87	6892.22	1587.65	-11.58	-132.57	4471.66	99.85	45.10	PASS
2725.00†	2636.44	600.47	171.45	14149.40	6892.50	1587.44	-6.07	-132.83	4372.60	99.77	44.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 95 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14155.05	6892.79	1587.22	-0.43	-133.10	4273.57	99.70	43.16	PASS
2925.00†	2827.34	657.80	187.82	14160.85	6893.09	1587.00	5.35	-133.39	4174.57	99.62	42.20	PASS
3025.00†	2922.80	686.47	196.00	14166.78	6893.42	1586.77	11.27	-133.69	4075.60	99.53	41.24	PASS
3125.00†	3018.25	715.13	204.19	14172.86	6893.76	1586.54	17.34	-134.00	3976.66	99.44	40.27	PASS
3225.00†	3113.70	743.80	212.37	14179.09	6894.11	1586.30	23.56	-134.32	3877.75	99.34	39.31	PASS
3325.00†	3209.16	772.46	220.56	14185.49	6894.49	1586.06	29.94	-134.66	3778.88	99.23	38.35	PASS
3425.00†	3304.61	801.13	228.74	14192.04	6894.89	1585.81	36.48	-135.01	3680.06	99.11	37.39	PASS
3525.00†	3400.06	829.79	236.93	14198.77	6895.31	1585.55	43.19	-135.38	3581.27	98.99	36.43	PASS
3625.00†	3495.52	858.46	245.11	14205.68	6895.76	1585.28	50.07	-135.77	3482.52	98.85	35.48	PASS
3725.00†	3590.97	887.13	253.29	14212.77	6896.23	1585.01	57.14	-136.18	3383.82	98.71	34.52	PASS
3825.00†	3686.42	915.79	261.48	14220.05	6896.72	1584.74	64.40	-136.61	3285.17	98.55	33.57	PASS
3925.00†	3781.88	944.46	269.66	14227.54	6897.25	1584.45	71.86	-137.06	3186.58	98.38	32.62	PASS
4025.00†	3877.33	973.12	277.85	14237.53	6897.97	1584.07	81.83	-137.67	3088.03	98.20	31.67	PASS
4125.00†	3972.78	1001.79	286.03	14248.24	6898.75	1583.66	92.50	-138.35	2989.54	98.02	30.72	PASS
4225.00†	4068.23	1030.45	294.22	14259.12	6899.55	1583.25	103.34	-139.07	2891.09	97.81	29.77	PASS
4325.00†	4163.69	1059.12	302.40	14270.16	6900.38	1582.84	114.34	-139.82	2792.70	97.58	28.82	PASS
4425.00†	4259.14	1087.78	310.59	14281.38	6901.24	1582.41	125.52	-140.61	2694.36	97.33	27.88	PASS
4525.00†	4354.59	1116.45	318.77	14292.77	6902.12	1581.99	136.87	-141.44	2596.09	97.05	26.94	PASS
4625.00†	4450.05	1145.12	326.96	14304.34	6903.03	1581.55	148.39	-142.32	2497.90	96.74	26.00	PASS
4725.00†	4545.50	1173.78	335.14	14316.09	6903.97	1581.12	160.10	-143.25	2399.78	96.40	25.07	PASS
4825.00†	4640.95	1202.45	343.33	14330.04	6905.09	1580.60	174.00	-144.39	2301.74	96.03	24.14	PASS
4925.00†	4736.41	1231.11	351.51	14344.44	6906.25	1580.08	188.34	-145.62	2203.78	95.63	23.21	PASS
5025.00†	4831.86	1259.78	359.70	14358.89	6907.42	1579.56	202.73	-146.91	2105.91	95.19	22.28	PASS
5125.00†	4927.31	1288.44	367.88	14373.38	6908.59	1579.05	217.17	-148.27	2008.14	94.71	21.36	PASS
5225.00†	5022.77	1317.11	376.07	14387.93	6909.77	1578.55	231.66	-149.70	1910.49	94.19	20.43	PASS
5325.00†	5118.22	1345.78	384.25	14402.54	6910.95	1578.06	246.21	-151.20	1812.98	93.63	19.50	PASS
5425.00†	5213.67	1374.44	392.43	14437.17	6913.59	1576.87	280.72	-155.04	1715.57	93.05	18.57	PASS
5525.00†	5309.12	1403.11	400.62	14475.43	6915.98	1575.43	318.88	-159.80	1618.14	92.43	17.63	PASS
5625.00†	5404.58	1431.77	408.80	14507.85	6917.56	1574.10	351.23	-164.28	1520.75	91.78	16.69	PASS
5725.00†	5500.03	1460.44	416.99	14537.14	6918.60	1572.84	380.48	-168.67	1423.48	91.15	15.73	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 96 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP												
Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14560.34	6919.16	1571.79	403.64	-172.38	1326.43	90.60	14.75	PASS
5925.00†	5690.94	1517.77	433.36	14579.16	6919.44	1570.92	422.44	-175.52	1229.70	90.23	13.73	PASS
6025.00†	5786.39	1546.43	441.54	14595.16	6919.56	1570.15	438.43	-178.28	1133.42	90.19	12.66	PASS
6125.00†	5881.84	1575.10	449.73	14608.79	6919.57	1569.49	452.04	179.31	1037.74	90.74	11.52	PASS
6225.00†	5977.30	1603.77	457.91	14620.23	6919.51	1568.92	463.47	177.26	942.87	92.26	10.29	PASS
6325.00†	6072.75	1632.43	466.10	14629.96	6919.41	1568.42	473.18	175.49	849.11	95.36	8.96	PASS
6425.00†	6168.20	1661.10	474.28	14638.33	6919.29	1567.99	481.54	173.96	756.88	100.96	7.54	PASS
6525.00†	6263.66	1689.76	482.47	14645.62	6919.17	1567.62	488.82	172.62	666.82	110.36	6.07	PASS
6625.00†	6359.11	1718.43	490.65	14652.02	6919.03	1567.28	495.21	171.43	579.98	125.35	4.65	PASS
6725.00†	6454.56	1747.09	498.84	14657.69	6918.90	1566.98	500.86	170.38	498.05	148.15	3.37	PASS
6825.00†	6550.01	1775.76	507.02	14662.73	6918.77	1566.71	505.90	169.44	423.89	181.05	2.35	PASS
6888.88	6610.99	1794.07	512.25	14665.68	6918.68	1566.55	508.84	168.89	382.69	207.81	1.84	PASS
6925.00†	6645.37	1804.39	516.22	14668.40	6918.60	1566.41	511.56	161.12	362.38	224.63	1.62	PASS
7025.00†	6738.80	1832.44	537.75	14687.30	6917.98	1565.40	530.42	142.27	321.66	272.73	1.18	PASS
7121.76†	6825.07	1858.31	572.87	14721.65	6916.72	1563.86	564.71	126.33	308.49	308.18	1.00	PASS
7125.00†	6827.86	1859.15	574.28	14723.19	6916.66	1563.80	566.25	125.78	308.51	309.01	1.00	FAIL
7172.22†	6867.76	1871.10	596.49	14745.77	6915.75	1563.00	588.80	118.06	311.91	318.03	0.98	FAIL
7225.00†	6910.36	1883.87	624.90	14774.84	6914.50	1562.23	617.83	109.36	321.74	321.95	1.00	FAIL
7325.00†	6984.27	1905.99	688.37	14840.19	6911.64	1561.30	683.11	93.25	352.30	317.53	1.11	PASS
7425.00†	7047.75	1924.97	763.12	14920.18	6908.18	1561.69	763.03	78.91	389.17	307.47	1.27	PASS
7525.00†	7099.27	1940.34	847.32	15010.07	6904.32	1564.14	852.80	67.95	423.75	298.11	1.42	PASS
7625.00†	7137.53	1951.72	938.90	15085.00	6901.12	1568.02	927.55	61.21	450.83	290.61	1.55	PASS
7725.00†	7161.61	1958.83	1035.59	15085.00	6901.12	1568.02	927.55	58.55	481.93	277.94	1.74	PASS
7825.00†	7170.90	1961.50	1135.02	15085.00	6901.12	1568.02	927.55	55.88	520.24	262.13	1.99	PASS
7840.20	7171.00	1961.51	1150.22	15085.00	6901.12	1568.02	927.55	55.49	526.54	259.56	2.03	PASS
7925.00†	7170.58	1961.28	1235.02	15085.00	6901.12	1568.02	927.55	55.49	567.27	244.37	2.33	PASS
8025.00†	7170.10	1961.00	1335.01	15085.00	6901.12	1568.02	927.55	55.49	626.74	226.23	2.78	PASS
8125.00†	7169.61	1960.73	1435.01	15085.00	6901.12	1568.02	927.55	55.49	695.57	209.44	3.33	PASS
8225.00†	7169.12	1960.46	1535.01	15085.00	6901.12	1568.02	927.55	55.49	771.26	194.68	3.97	PASS
8325.00†	7168.63	1960.18	1635.01	15085.00	6901.12	1568.02	927.55	55.49	851.97	182.03	4.69	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 97 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8425.00†	7168.14	1959.91	1735.01	15085.00	6901.12	1568.02	927.55	55.49	936.41	171.30	5.49	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1766.00	1741.00	10.00	1747.11	727.85	-4936.91	738.30	-4918.55
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.85	-4936.91	738.29	-4918.67
8.5in Open Hole	1766.00	9486.00	7720.00	1747.11	6898.21	738.30	-4918.55	839.36	-3889.93
8.5in Open Hole	9486.00	15085.00	5599.00	6898.21	6901.12	839.36	-3889.93	841.36	-2185.64

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1705.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<108-1705>	HOOD 14N-22A-M OWB AWB
1705.00	9486.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-11901>	HOOD 14N-22A-M OWB AWB
9486.00	9666.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI NAVITRAK 8.5" (STD ROTATING, ROCKIES GT)<9577-9666>	HOOD 14N-22A-M S.T.#01 AWB
9666.00	15061.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<9754-15061>	HOOD 14N-22A-M S.T.#01 AWB
15061.00	15085.00	Blind Drilling (std)	Projection to bit	HOOD 14N-22A-M S.T.#01 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 98 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 14N-22A-M S.T.#01 AWB Offset Wellpath: HOOD 14N-22A-M S.T.#01 AWP	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 99 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL &amp; 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	60.10	90.00	60.10	1.56	98.57	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	60.10	90.00	60.10	1.88	64.46	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	60.10	90.00	60.10	2.29	44.45	PASS
225.00†	225.00	0.10	0.03	224.78	224.78	0.10	60.15	74.07	60.12	2.43	40.23	PASS
325.00†	324.96	2.62	0.75	323.92	323.88	2.44	61.21	74.21	60.47	3.12	27.54	PASS
425.00†	424.77	8.49	2.42	423.06	422.83	7.90	63.69	74.53	61.30	4.00	19.86	PASS
525.00†	524.30	17.71	5.06	522.19	521.51	16.48	67.59	75.00	62.61	4.85	15.86	PASS
625.00†	623.44	30.26	8.64	621.31	619.79	28.15	72.90	75.62	64.40	5.75	13.25	PASS
725.00†	722.07	46.13	13.17	720.57	717.72	42.89	79.59	76.41	66.64	6.74	11.37	PASS
825.00†	820.05	65.30	18.64	820.49	816.11	58.76	86.81	79.09	68.59	7.76	9.95	PASS
925.00†	917.29	87.74	25.05	920.26	914.35	74.60	94.01	84.42	70.26	8.92	8.71	PASS
1025.00†	1013.64	113.44	32.39	1019.75	1012.32	90.40	101.19	92.17	72.56	10.29	7.68	PASS
1067.21	1054.03	125.25	35.76	1061.64	1053.56	97.05	104.21	96.06	74.03	10.95	7.32	PASS
1125.00†	1109.19	141.82	40.49	1118.93	1109.97	106.15	108.34	101.44	76.66	11.83	6.97	PASS
1225.00†	1204.64	170.48	48.68	1218.06	1207.58	121.90	115.50	109.82	82.67	13.30	6.62	PASS
1325.00†	1300.09	199.15	56.86	1317.19	1305.19	137.64	122.65	116.94	90.21	14.65	6.52	PASS
1425.00†	1395.55	227.82	65.05	1416.32	1402.81	153.38	129.81	122.90	98.93	15.87	6.57	PASS
1525.00†	1491.00	256.48	73.23	1515.46	1500.42	169.13	136.96	127.86	108.54	16.97	6.72	PASS
1625.00†	1586.45	285.15	81.42	1614.59	1598.03	184.87	144.12	131.99	118.83	17.99	6.92	PASS
1725.00†	1681.91	313.81	89.60	1713.72	1695.64	200.61	151.27	135.46	129.64	18.94	7.16	PASS
1825.00†	1777.36	342.48	97.79	1812.85	1793.26	216.36	158.43	138.38	140.84	19.06	7.64	PASS
1925.00†	1872.81	371.14	105.97	1911.99	1890.87	232.10	165.58	140.87	152.36	18.92	8.33	PASS
2025.00†	1968.27	399.81	114.15	2011.12	1988.48	247.84	172.74	143.01	164.12	18.87	9.00	PASS
2125.00†	2063.72	428.48	122.34	2110.25	2086.09	263.59	179.89	144.86	176.07	18.92	9.63	PASS
2225.00†	2159.17	457.14	130.52	2209.38	2183.71	279.33	187.05	146.47	188.18	19.06	10.21	PASS
2325.00†	2254.63	485.81	138.71	2308.52	2281.32	295.07	194.20	147.89	200.43	19.31	10.74	PASS
2425.00†	2350.08	514.47	146.89	2407.65	2378.93	310.82	201.36	149.15	212.78	19.63	11.21	PASS
2525.00†	2445.53	543.14	155.08	2506.78	2476.55	326.56	208.51	150.26	225.22	20.04	11.62	PASS
2625.00†	2540.98	571.80	163.26	2605.92	2574.16	342.30	215.66	151.26	237.73	20.51	11.97	PASS
2725.00†	2636.44	600.47	171.45	2705.05	2671.77	358.05	222.82	152.16	250.31	21.05	12.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 100 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL & 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2804.18	2769.38	373.79	229.97	152.98	262.95	21.66	12.52	PASS
2925.00†	2827.34	657.80	187.82	2903.31	2867.00	389.53	237.13	153.72	275.63	22.31	12.73	PASS
3025.00†	2922.80	686.47	196.00	3002.45	2964.61	405.28	244.28	154.39	288.35	23.01	12.90	PASS
3125.00†	3018.25	715.13	204.19	3101.58	3062.22	421.02	251.44	155.01	301.11	23.75	13.04	PASS
3225.00†	3113.70	743.80	212.37	3200.71	3159.84	436.76	258.59	155.57	313.90	24.53	13.15	PASS
3325.00†	3209.16	772.46	220.56	3299.84	3257.45	452.51	265.75	156.10	326.72	25.34	13.23	PASS
3425.00†	3304.61	801.13	228.74	3398.98	3355.06	468.25	272.90	156.58	339.56	26.19	13.30	PASS
3525.00†	3400.06	829.79	236.93	3498.11	3452.67	483.99	280.06	157.03	352.43	27.06	13.35	PASS
3625.00†	3495.52	858.46	245.11	3597.24	3550.29	499.74	287.21	157.44	365.31	27.95	13.38	PASS
3725.00†	3590.97	887.13	253.29	3696.38	3647.90	515.48	294.37	157.83	378.22	28.87	13.40	PASS
3825.00†	3686.42	915.79	261.48	3795.51	3745.51	531.22	301.52	158.19	391.13	29.81	13.42	PASS
3925.00†	3781.88	944.46	269.66	3894.64	3843.12	546.97	308.68	158.53	404.07	30.76	13.42	PASS
4025.00†	3877.33	973.12	277.85	3993.77	3940.74	562.71	315.83	158.85	417.01	31.73	13.42	PASS
4125.00†	3972.78	1001.79	286.03	4092.91	4038.35	578.46	322.99	159.15	429.97	32.71	13.41	PASS
4225.00†	4068.23	1030.45	294.22	4192.04	4135.96	594.20	330.14	159.43	442.94	33.71	13.40	PASS
4325.00†	4163.69	1059.12	302.40	4291.17	4233.58	609.94	337.29	159.70	455.92	34.72	13.39	PASS
4425.00†	4259.14	1087.78	310.59	4390.30	4331.19	625.69	344.45	159.95	468.91	35.74	13.37	PASS
4525.00†	4354.59	1116.45	318.77	4489.44	4428.80	641.43	351.60	160.18	481.90	36.76	13.35	PASS
4625.00†	4450.05	1145.12	326.96	4588.57	4526.41	657.17	358.76	160.41	494.91	37.80	13.32	PASS
4725.00†	4545.50	1173.78	335.14	4687.70	4624.03	672.92	365.91	160.62	507.92	38.85	13.30	PASS
4825.00†	4640.95	1202.45	343.33	4786.84	4721.64	688.66	373.07	160.82	520.93	39.90	13.27	PASS
4925.00†	4736.41	1231.11	351.51	4885.97	4819.25	704.40	380.22	161.02	533.96	40.96	13.25	PASS
5025.00†	4831.86	1259.78	359.70	4985.10	4916.86	720.15	387.38	161.20	546.99	42.02	13.22	PASS
5125.00†	4927.31	1288.44	367.88	5084.23	5014.48	735.89	394.53	161.38	560.02	43.09	13.20	PASS
5225.00†	5022.77	1317.11	376.07	5183.37	5112.09	751.63	401.69	161.54	573.06	44.17	13.17	PASS
5325.00†	5118.22	1345.78	384.25	5282.50	5209.70	767.38	408.84	161.70	586.11	45.25	13.14	PASS
5425.00†	5213.67	1374.44	392.43	5381.63	5307.32	783.12	416.00	161.85	599.15	46.34	13.12	PASS
5525.00†	5309.12	1403.11	400.62	5480.76	5404.93	798.86	423.15	162.00	612.21	47.43	13.09	PASS
5625.00†	5404.58	1431.77	408.80	5579.90	5502.54	814.61	430.31	162.14	625.26	48.52	13.06	PASS
5725.00†	5500.03	1460.44	416.99	5679.03	5600.15	830.35	437.46	162.28	638.32	49.62	13.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 101 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)**

**Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL & 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5778.16	5697.77	846.09	444.61	162.40	651.38	50.72	13.01	PASS
5925.00†	5690.94	1517.77	433.36	5877.29	5795.38	861.84	451.77	162.53	664.45	51.82	12.99	PASS
6025.00†	5786.39	1546.43	441.54	5976.43	5892.99	877.58	458.92	162.65	677.52	52.93	12.96	PASS
6125.00†	5881.84	1575.10	449.73	6075.56	5990.60	893.32	466.08	162.76	690.59	54.04	12.94	PASS
6225.00†	5977.30	1603.77	457.91	6174.69	6088.22	909.07	473.23	162.87	703.66	55.15	12.91	PASS
6325.00†	6072.75	1632.43	466.10	6273.83	6185.83	924.81	480.39	162.98	716.74	56.26	12.89	PASS
6425.00†	6168.20	1661.10	474.28	6372.96	6283.44	940.55	487.54	163.08	729.82	57.38	12.87	PASS
6525.00†	6263.66	1689.76	482.47	6472.09	6381.06	956.30	494.70	163.18	742.90	58.50	12.84	PASS
6625.00†	6359.11	1718.43	490.65	6571.22	6478.67	972.04	501.85	163.27	755.99	59.62	12.82	PASS
6725.00†	6454.56	1747.09	498.84	6670.36	6576.28	987.78	509.01	163.37	769.07	60.74	12.80	PASS
6825.00†	6550.01	1775.76	507.02	6767.34	6671.05	1003.05	522.25	162.99	782.28	62.05	12.74	PASS
6888.88	6610.99	1794.07	512.25	6827.52	6728.44	1012.29	537.72	162.22	790.97	62.63	12.76	PASS
6925.00†	6645.37	1804.39	516.22	6860.75	6759.44	1017.26	548.59	151.77	796.01	63.10	12.75	PASS
7025.00†	6738.80	1832.44	537.75	6951.03	6840.38	1030.25	586.23	129.73	810.05	64.40	12.71	PASS
7125.00†	6827.86	1859.15	574.28	7039.13	6913.54	1041.95	633.78	115.95	823.83	65.88	12.63	PASS
7225.00†	6910.36	1883.87	624.90	7125.45	6978.27	1052.27	689.84	107.01	836.89	67.58	12.50	PASS
7325.00†	6984.27	1905.99	688.37	7210.32	7034.05	1061.13	753.11	100.89	848.80	69.73	12.29	PASS
7425.00†	7047.75	1924.97	763.12	7294.05	7080.47	1068.46	822.33	96.56	859.17	72.46	11.96	PASS
7525.00†	7099.27	1940.34	847.32	7376.91	7117.19	1074.22	896.32	93.51	867.69	75.80	11.55	PASS
7625.00†	7137.53	1951.72	938.90	7459.13	7143.95	1078.36	973.89	91.44	874.08	79.72	11.05	PASS
7725.00†	7161.61	1958.83	1035.59	7540.92	7160.57	1080.86	1053.88	90.21	878.16	84.09	10.52	PASS
7825.00†	7170.90	1961.50	1135.02	7622.50	7166.93	1081.70	1135.15	89.75	879.81	88.70	9.99	PASS
7840.20	7171.00	1961.51	1150.22	7634.98	7167.00	1081.68	1147.63	89.74	879.84	89.41	9.91	PASS
7925.00†	7170.58	1961.28	1235.02	7719.77	7166.68	1081.43	1232.42	89.75	879.86	94.29	9.39	PASS
8025.00†	7170.10	1961.00	1335.01	7819.77	7166.29	1081.14	1332.42	89.75	879.88	100.43	8.82	PASS
8125.00†	7169.61	1960.73	1435.01	7919.77	7165.91	1080.85	1432.42	89.76	879.89	107.07	8.27	PASS
8225.00†	7169.12	1960.46	1535.01	8019.77	7165.53	1080.55	1532.42	89.77	879.91	114.07	7.76	PASS
8325.00†	7168.63	1960.18	1635.01	8119.77	7165.15	1080.26	1632.42	89.77	879.93	121.38	7.29	PASS
8425.00†	7168.14	1959.91	1735.01	8219.77	7164.77	1079.97	1732.42	89.78	879.95	128.94	6.86	PASS
8525.00†	7167.65	1959.64	1835.01	8319.77	7164.39	1079.67	1832.42	89.79	879.97	136.70	6.47	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 102 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL & 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	8419.77	7164.01	1079.38	1932.41	89.80	879.99	144.65	6.11	PASS
8725.00†	7166.67	1959.09	2035.00	8519.77	7163.63	1079.09	2032.41	89.80	880.01	152.74	5.78	PASS
8825.00†	7166.18	1958.82	2135.00	8619.77	7163.24	1078.80	2132.41	89.81	880.03	160.96	5.49	PASS
8925.00†	7165.69	1958.55	2235.00	8719.77	7162.86	1078.50	2232.41	89.82	880.05	169.28	5.22	PASS
9025.00†	7165.20	1958.27	2335.00	8819.77	7162.48	1078.21	2332.41	89.82	880.07	177.70	4.97	PASS
9125.00†	7164.71	1958.00	2435.00	8919.77	7162.10	1077.92	2432.41	89.83	880.09	186.19	4.74	PASS
9225.00†	7164.22	1957.73	2534.99	9019.77	7161.72	1077.62	2532.41	89.84	880.11	194.76	4.53	PASS
9325.00†	7163.73	1957.46	2634.99	9119.77	7161.34	1077.33	2632.41	89.84	880.13	203.38	4.34	PASS
9425.00†	7163.24	1957.18	2734.99	9219.77	7160.96	1077.04	2732.41	89.85	880.15	212.06	4.16	PASS
9525.00†	7162.75	1956.91	2834.99	9319.77	7160.58	1076.75	2832.40	89.86	880.17	220.79	4.00	PASS
9625.00†	7162.26	1956.64	2934.99	9419.77	7160.20	1076.45	2932.40	89.87	880.19	229.56	3.84	PASS
9725.00†	7161.77	1956.36	3034.99	9519.77	7159.81	1076.16	3032.40	89.87	880.21	238.36	3.70	PASS
9825.00†	7161.28	1956.09	3134.99	9619.77	7159.43	1075.87	3132.40	89.88	880.23	247.20	3.57	PASS
9925.00†	7160.79	1955.82	3234.98	9719.77	7159.05	1075.57	3232.40	89.89	880.25	256.07	3.44	PASS
10025.00†	7160.30	1955.55	3334.98	9819.77	7158.67	1075.28	3332.40	89.89	880.27	264.96	3.33	PASS
10125.00†	7159.81	1955.27	3434.98	9919.77	7158.29	1074.99	3432.40	89.90	880.29	273.88	3.22	PASS
10225.00†	7159.32	1955.00	3534.98	10019.77	7157.91	1074.70	3532.40	89.91	880.31	282.82	3.12	PASS
10325.00†	7158.83	1954.73	3634.98	10119.77	7157.53	1074.40	3632.39	89.92	880.33	291.78	3.02	PASS
10425.00†	7158.34	1954.45	3734.98	10219.77	7157.15	1074.11	3732.39	89.92	880.35	300.75	2.93	PASS
10525.00†	7157.85	1954.18	3834.97	10319.77	7156.77	1073.82	3832.39	89.93	880.37	309.75	2.85	PASS
10625.00†	7157.36	1953.91	3934.97	10419.77	7156.38	1073.52	3932.39	89.94	880.39	318.75	2.77	PASS
10725.00†	7156.87	1953.64	4034.97	10519.77	7156.00	1073.23	4032.39	89.94	880.41	327.78	2.69	PASS
10825.00†	7156.38	1953.36	4134.97	10619.77	7155.62	1072.94	4132.39	89.95	880.43	336.81	2.62	PASS
10925.00†	7155.89	1953.09	4234.97	10719.77	7155.24	1072.65	4232.39	89.96	880.45	345.86	2.55	PASS
11025.00†	7155.40	1952.82	4334.97	10819.77	7154.86	1072.35	4332.39	89.96	880.47	354.91	2.48	PASS
11125.00†	7154.92	1952.55	4434.96	10919.77	7154.48	1072.06	4432.38	89.97	880.49	363.98	2.42	PASS
11225.00†	7154.43	1952.27	4534.96	11019.77	7154.10	1071.77	4532.38	89.98	880.51	373.06	2.36	PASS
11325.00†	7153.94	1952.00	4634.96	11119.77	7153.72	1071.47	4632.38	89.99	880.53	382.14	2.31	PASS
11425.00†	7153.45	1951.73	4734.96	11219.77	7153.34	1071.18	4732.38	89.99	880.55	391.23	2.25	PASS
11525.00†	7152.96	1951.45	4834.96	11319.77	7152.95	1070.89	4832.38	90.00	880.57	400.33	2.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 103 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL & 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	11419.77	7152.57	1070.60	4932.38	90.01	880.59	409.44	2.15	PASS
11725.00†	7151.98	1950.91	5034.96	11519.77	7152.19	1070.30	5032.38	90.01	880.61	418.55	2.11	PASS
11825.00†	7151.49	1950.64	5134.95	11619.77	7151.81	1070.01	5132.38	90.02	880.63	427.67	2.06	PASS
11925.00†	7151.00	1950.36	5234.95	11719.77	7151.43	1069.72	5232.37	90.03	880.65	436.80	2.02	PASS
12025.00†	7150.51	1950.09	5334.95	11819.77	7151.05	1069.42	5332.37	90.04	880.67	445.93	1.98	PASS
12125.00†	7150.02	1949.82	5434.95	11919.77	7150.67	1069.13	5432.37	90.04	880.69	455.06	1.94	PASS
12225.00†	7149.53	1949.54	5534.95	12019.77	7150.29	1068.84	5532.37	90.05	880.71	464.20	1.90	PASS
12325.00†	7149.04	1949.27	5634.95	12119.77	7149.90	1068.54	5632.37	90.06	880.73	473.35	1.86	PASS
12425.00†	7148.55	1949.00	5734.94	12219.77	7149.52	1068.25	5732.37	90.06	880.75	482.50	1.83	PASS
12525.00†	7148.06	1948.73	5834.94	12319.77	7149.14	1067.96	5832.37	90.07	880.77	491.65	1.79	PASS
12625.00†	7147.57	1948.45	5934.94	12419.77	7148.76	1067.67	5932.37	90.08	880.79	500.81	1.76	PASS
12725.00†	7147.08	1948.18	6034.94	12519.77	7148.38	1067.37	6032.36	90.08	880.81	509.97	1.73	PASS
12825.00†	7146.59	1947.91	6134.94	12619.77	7148.00	1067.08	6132.36	90.09	880.83	519.13	1.70	PASS
12925.00†	7146.10	1947.63	6234.94	12719.77	7147.62	1066.79	6232.36	90.10	880.85	528.30	1.67	PASS
13025.00†	7145.61	1947.36	6334.94	12819.77	7147.24	1066.49	6332.36	90.11	880.87	537.47	1.64	PASS
13125.00†	7145.12	1947.09	6434.93	12919.77	7146.86	1066.20	6432.36	90.11	880.89	546.64	1.61	PASS
13225.00†	7144.63	1946.82	6534.93	13019.77	7146.47	1065.91	6532.36	90.12	880.91	555.82	1.59	PASS
13325.00†	7144.14	1946.54	6634.93	13119.77	7146.09	1065.62	6632.36	90.13	880.93	564.99	1.56	PASS
13425.00†	7143.65	1946.27	6734.93	13219.77	7145.71	1065.32	6732.36	90.13	880.95	574.17	1.53	PASS
13525.00†	7143.16	1946.00	6834.93	13319.77	7145.33	1065.03	6832.36	90.14	880.97	583.36	1.51	PASS
13625.00†	7142.67	1945.72	6934.93	13419.77	7144.95	1064.74	6932.35	90.15	880.99	592.54	1.49	PASS
13725.00†	7142.18	1945.45	7034.92	13519.77	7144.57	1064.44	7032.35	90.16	881.01	601.73	1.46	PASS
13825.00†	7141.69	1945.18	7134.92	13619.77	7144.19	1064.15	7132.35	90.16	881.04	610.92	1.44	PASS
13925.00†	7141.20	1944.91	7234.92	13719.77	7143.81	1063.86	7232.35	90.17	881.06	620.11	1.42	PASS
14025.00†	7140.71	1944.63	7334.92	13819.77	7143.43	1063.57	7332.35	90.18	881.08	629.30	1.40	PASS
14125.00†	7140.23	1944.36	7434.92	13919.77	7143.04	1063.27	7432.35	90.18	881.10	638.50	1.38	PASS
14225.00†	7139.74	1944.09	7534.92	14019.77	7142.66	1062.98	7532.35	90.19	881.12	647.69	1.36	PASS
14325.00†	7139.25	1943.82	7634.91	14119.77	7142.28	1062.69	7632.35	90.20	881.14	656.89	1.34	PASS
14425.00†	7138.76	1943.54	7734.91	14219.77	7141.90	1062.39	7732.34	90.20	881.16	666.09	1.32	PASS
14525.00†	7138.27	1943.27	7834.91	14319.77	7141.52	1062.10	7832.34	90.21	881.18	675.29	1.31	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 104 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)												
Facility: SEC.27-T06N-R66W Slot: SLOT#11 TROUDT 40C-23-M ( 760'FNL & 1745'FWL, SEC.27) Well: TROUDT 40C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14419.77	7141.14	1061.81	7932.34	90.22	881.20	684.49	1.29	PASS
14725.00†	7137.29	1942.72	8034.91	14519.77	7140.76	1061.52	8032.34	90.23	881.22	693.70	1.27	PASS
14825.00†	7136.80	1942.45	8134.91	14619.77	7140.38	1061.22	8132.34	90.23	881.24	702.90	1.25	PASS
14925.00†	7136.31	1942.18	8234.91	14719.77	7139.99	1060.93	8232.34	90.24	881.26	712.11	1.24	PASS
15025.00†	7135.82	1941.91	8334.90	14819.77	7139.61	1060.64	8332.34	90.25	881.28	721.31	1.22	PASS
15125.00†	7135.33	1941.63	8434.90	14919.77	7139.23	1060.34	8432.34	90.25	881.30	730.52	1.21	PASS
15192.09	7135.00	1941.45	8501.99	14980.82	7139.00	1060.17	8493.39	90.26	881.34	736.29	1.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1731.37	0.00	36.64	62.90	65.23
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.37	0.00	36.64	62.90	65.23
8.5in Open Hole	1750.00	14980.82	13230.82	1731.37	7139.00	62.90	65.23	323.14	2607.10

SURVEY PROGRAM - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40C-23-M PWB
1750.00	14980.82	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40C-23-M PWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 105 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-23-M PWP (REV-A.0)</b>	
MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 106 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-59.82	-90.00	59.82	1.56	98.10	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-59.82	-90.00	59.82	1.88	64.23	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-59.82	-90.00	59.82	2.29	44.30	PASS
225.00†	225.00	0.10	0.03	225.11	225.11	0.11	-59.80	-105.93	59.83	2.43	40.06	PASS
325.00†	324.96	2.62	0.75	325.56	325.52	2.69	-59.23	-105.88	59.98	3.08	27.91	PASS
425.00†	424.77	8.49	2.42	426.02	425.78	8.70	-57.90	-105.76	60.34	3.86	20.50	PASS
525.00†	524.30	17.71	5.06	526.46	525.76	18.14	-55.82	-105.58	60.89	4.67	16.16	PASS
625.00†	623.44	30.26	8.64	626.91	625.33	31.00	-52.98	-105.33	61.65	5.58	13.14	PASS
725.00†	722.07	46.13	13.17	727.34	724.37	47.26	-49.39	-105.03	62.61	6.63	10.88	PASS
825.00†	820.05	65.30	18.64	827.78	822.76	66.90	-45.05	-104.68	63.78	7.84	9.13	PASS
925.00†	917.29	87.74	25.05	928.20	920.38	89.89	-39.98	-104.28	65.14	9.24	7.75	PASS
1025.00†	1013.64	113.44	32.39	1028.62	1017.11	116.20	-34.17	-103.84	66.71	10.84	6.65	PASS
1067.21	1054.03	125.25	35.76	1071.00	1057.64	128.30	-31.50	-103.65	67.43	11.59	6.26	PASS
1125.00†	1109.19	141.82	40.49	1129.01	1112.82	145.81	-27.63	-102.92	68.34	12.62	5.78	PASS
1225.00†	1204.64	170.48	48.68	1229.25	1207.25	178.61	-20.39	-99.45	69.59	14.52	5.06	PASS
1325.00†	1300.09	199.15	56.86	1329.09	1300.09	214.47	-12.47	-93.31	71.01	16.63	4.47	PASS
1425.00†	1395.55	227.82	65.05	1428.30	1391.01	253.21	-3.92	-84.86	73.63	18.76	4.08	PASS
1525.00†	1491.00	256.48	73.23	1527.27	1480.70	294.07	5.10	-75.43	78.49	20.72	3.92	PASS
1625.00†	1586.45	285.15	81.42	1626.34	1570.44	335.06	14.15	-67.19	85.28	22.36	3.94	PASS
1725.00†	1681.91	313.81	89.60	1725.41	1660.17	376.06	23.20	-60.28	93.57	23.71	4.07	PASS
1825.00†	1777.36	342.48	97.79	1824.47	1749.90	417.05	32.25	-54.54	103.00	23.71	4.45	PASS
1925.00†	1872.81	371.14	105.97	1923.54	1839.64	458.04	41.30	-49.80	113.29	23.14	5.02	PASS
2025.00†	1968.27	399.81	114.15	2022.61	1929.37	499.04	50.36	-45.87	124.21	22.74	5.61	PASS
2125.00†	2063.72	428.48	122.34	2121.68	2019.10	540.03	59.41	-42.58	135.63	22.50	6.19	PASS
2225.00†	2159.17	457.14	130.52	2220.75	2108.84	581.02	68.46	-39.80	147.42	22.43	6.75	PASS
2325.00†	2254.63	485.81	138.71	2319.82	2198.57	622.02	77.51	-37.44	159.50	22.50	7.29	PASS
2425.00†	2350.08	514.47	146.89	2418.89	2288.31	663.01	86.56	-35.42	171.82	22.70	7.78	PASS
2525.00†	2445.53	543.14	155.08	2517.95	2378.04	704.01	95.61	-33.66	184.31	23.01	8.23	PASS
2625.00†	2540.98	571.80	163.26	2617.02	2467.77	745.00	104.66	-32.13	196.96	23.44	8.63	PASS
2725.00†	2636.44	600.47	171.45	2716.09	2557.51	785.99	113.71	-30.79	209.72	23.95	8.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 107 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2815.16	2647.24	826.99	122.76	-29.59	222.59	24.55	9.31	PASS
2925.00†	2827.34	657.80	187.82	2914.23	2736.97	867.98	131.81	-28.53	235.54	25.22	9.58	PASS
3025.00†	2922.80	686.47	196.00	3013.30	2826.71	908.97	140.86	-27.58	248.56	25.95	9.82	PASS
3125.00†	3018.25	715.13	204.19	3112.36	2916.44	949.97	149.91	-26.73	261.65	26.75	10.02	PASS
3225.00†	3113.70	743.80	212.37	3211.43	3006.18	990.96	158.96	-25.95	274.78	27.59	10.20	PASS
3325.00†	3209.16	772.46	220.56	3310.50	3095.91	1031.96	168.02	-25.25	287.96	28.47	10.35	PASS
3425.00†	3304.61	801.13	228.74	3409.57	3185.64	1072.95	177.07	-24.61	301.18	29.39	10.48	PASS
3525.00†	3400.06	829.79	236.93	3508.64	3275.38	1113.94	186.12	-24.02	314.43	30.35	10.58	PASS
3625.00†	3495.52	858.46	245.11	3607.71	3365.11	1154.94	195.17	-23.48	327.72	31.34	10.68	PASS
3725.00†	3590.97	887.13	253.29	3706.77	3454.84	1195.93	204.22	-22.98	341.03	32.35	10.76	PASS
3825.00†	3686.42	915.79	261.48	3805.84	3544.58	1236.93	213.27	-22.52	354.36	33.39	10.82	PASS
3925.00†	3781.88	944.46	269.66	3904.91	3634.31	1277.92	222.32	-22.10	367.71	34.45	10.88	PASS
4025.00†	3877.33	973.12	277.85	4003.98	3724.05	1318.91	231.37	-21.70	381.09	35.53	10.92	PASS
4125.00†	3972.78	1001.79	286.03	4103.05	3813.78	1359.91	240.42	-21.33	394.48	36.62	10.96	PASS
4225.00†	4068.23	1030.45	294.22	4202.12	3903.51	1400.90	249.47	-20.98	407.88	37.73	11.00	PASS
4325.00†	4163.69	1059.12	302.40	4301.19	3993.25	1441.89	258.52	-20.66	421.30	38.86	11.02	PASS
4425.00†	4259.14	1087.78	310.59	4400.25	4082.98	1482.89	267.57	-20.35	434.73	40.00	11.05	PASS
4525.00†	4354.59	1116.45	318.77	4499.32	4172.71	1523.88	276.63	-20.07	448.17	41.15	11.07	PASS
4625.00†	4450.05	1145.12	326.96	4598.39	4262.45	1564.88	285.68	-19.80	461.62	42.31	11.08	PASS
4725.00†	4545.50	1173.78	335.14	4697.46	4352.18	1605.87	294.73	-19.55	475.08	43.48	11.09	PASS
4825.00†	4640.95	1202.45	343.33	4796.53	4441.92	1646.86	303.78	-19.31	488.56	44.65	11.10	PASS
4925.00†	4736.41	1231.11	351.51	4895.60	4531.65	1687.86	312.83	-19.08	502.03	45.84	11.11	PASS
5025.00†	4831.86	1259.78	359.70	4994.66	4621.38	1728.85	321.88	-18.86	515.52	47.03	11.11	PASS
5125.00†	4927.31	1288.44	367.88	5093.73	4711.12	1769.84	330.93	-18.66	529.01	48.23	11.12	PASS
5225.00†	5022.77	1317.11	376.07	5192.80	4800.85	1810.84	339.98	-18.47	542.51	49.44	11.12	PASS
5325.00†	5118.22	1345.78	384.25	5291.87	4890.58	1851.83	349.03	-18.28	556.01	50.65	11.12	PASS
5425.00†	5213.67	1374.44	392.43	5390.94	4980.32	1892.83	358.08	-18.10	569.52	51.87	11.12	PASS
5525.00†	5309.12	1403.11	400.62	5490.01	5070.05	1933.82	367.13	-17.94	583.04	53.09	11.12	PASS
5625.00†	5404.58	1431.77	408.80	5589.08	5159.79	1974.81	376.18	-17.78	596.56	54.31	11.12	PASS
5725.00†	5500.03	1460.44	416.99	5688.14	5249.52	2015.81	385.24	-17.62	610.08	55.54	11.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 108 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5787.21	5339.25	2056.80	394.29	-17.48	623.61	56.78	11.11	PASS
5925.00†	5690.94	1517.77	433.36	5886.28	5428.99	2097.80	403.34	-17.34	637.14	58.02	11.11	PASS
6025.00†	5786.39	1546.43	441.54	5985.35	5518.72	2138.79	412.39	-17.20	650.68	59.26	11.10	PASS
6125.00†	5881.84	1575.10	449.73	6084.42	5608.45	2179.78	421.44	-17.07	664.22	60.50	11.10	PASS
6225.00†	5977.30	1603.77	457.91	6183.49	5698.19	2220.78	430.49	-16.95	677.76	61.75	11.09	PASS
6325.00†	6072.75	1632.43	466.10	6282.55	5787.92	2261.77	439.54	-16.83	691.30	63.00	11.09	PASS
6425.00†	6168.20	1661.10	474.28	6381.62	5877.66	2302.76	448.59	-16.72	704.85	64.25	11.08	PASS
6525.00†	6263.66	1689.76	482.47	6480.69	5967.39	2343.76	457.64	-16.61	718.40	65.51	11.08	PASS
6625.00†	6359.11	1718.43	490.65	6579.76	6057.12	2384.75	466.69	-16.50	731.95	66.76	11.07	PASS
6725.00†	6454.56	1747.09	498.84	6678.83	6146.86	2425.75	475.74	-16.40	745.51	68.02	11.06	PASS
6825.00†	6550.01	1775.76	507.02	6777.90	6236.59	2466.74	484.79	-16.30	759.07	69.28	11.06	PASS
6888.88	6610.99	1794.07	512.25	6841.18	6293.91	2492.93	490.58	-16.24	767.73	70.09	11.06	PASS
6925.00†	6645.37	1804.39	516.22	6876.96	6326.32	2507.73	493.84	-25.31	772.64	70.55	11.05	PASS
7025.00†	6738.80	1832.44	537.75	6975.16	6415.26	2548.36	502.82	-44.40	786.42	71.87	11.04	PASS
7125.00†	6827.86	1859.15	574.28	7070.21	6501.36	2587.70	511.50	-56.39	800.83	73.30	11.02	PASS
7225.00†	6910.36	1883.87	624.90	7170.19	6591.60	2628.90	523.54	-64.57	816.68	74.99	10.98	PASS
7325.00†	6984.27	1905.99	688.37	7284.00	6691.09	2674.23	554.61	-70.46	833.09	77.17	10.89	PASS
7425.00†	7047.75	1924.97	763.12	7409.10	6792.76	2720.41	610.56	-74.86	849.14	79.87	10.72	PASS
7525.00†	7099.27	1940.34	847.32	7547.20	6891.09	2764.90	696.27	-78.24	863.74	82.87	10.50	PASS
7625.00†	7137.53	1951.72	938.90	7698.97	6977.07	2803.54	814.77	-80.77	875.64	87.03	10.14	PASS
7725.00†	7161.61	1958.83	1035.59	7862.89	7038.55	2830.80	963.76	-82.41	883.53	91.74	9.70	PASS
7825.00†	7170.90	1961.50	1135.02	8034.37	7063.78	2841.36	1132.52	-83.06	886.36	97.01	9.20	PASS
7840.20	7171.00	1961.51	1150.22	8058.78	7063.99	2841.31	1156.93	-83.07	886.31	97.82	9.12	PASS
7925.00†	7170.58	1961.28	1235.02	8143.58	7063.52	2840.61	1241.72	-83.06	885.85	102.32	8.71	PASS
8025.00†	7170.10	1961.00	1335.01	8243.58	7062.98	2839.78	1341.72	-83.05	885.31	108.11	8.24	PASS
8125.00†	7169.61	1960.73	1435.01	8343.57	7062.44	2838.95	1441.71	-83.04	884.76	114.36	7.78	PASS
8225.00†	7169.12	1960.46	1535.01	8443.57	7061.89	2838.12	1541.70	-83.04	884.21	120.98	7.35	PASS
8325.00†	7168.63	1960.18	1635.01	8543.57	7061.35	2837.29	1641.70	-83.03	883.67	127.92	6.94	PASS
8425.00†	7168.14	1959.91	1735.01	8643.57	7060.80	2836.46	1741.69	-83.02	883.12	135.13	6.56	PASS
8525.00†	7167.65	1959.64	1835.01	8743.57	7060.26	2835.63	1841.69	-83.01	882.58	142.57	6.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 109 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	8843.57	7059.71	2834.80	1941.68	-83.00	882.03	150.21	5.90	PASS
8725.00†	7166.67	1959.09	2035.00	8943.57	7059.17	2833.97	2041.67	-83.00	881.49	158.01	5.60	PASS
8825.00†	7166.18	1958.82	2135.00	9043.56	7058.62	2833.14	2141.67	-82.99	880.94	165.95	5.33	PASS
8925.00†	7165.69	1958.55	2235.00	9143.56	7058.08	2832.31	2241.66	-82.98	880.39	174.02	5.08	PASS
9025.00†	7165.20	1958.27	2335.00	9243.56	7057.53	2831.49	2341.65	-82.97	879.85	182.20	4.84	PASS
9125.00†	7164.71	1958.00	2435.00	9343.56	7056.99	2830.66	2441.65	-82.97	879.30	190.47	4.63	PASS
9225.00†	7164.22	1957.73	2534.99	9443.56	7056.45	2829.83	2541.64	-82.96	878.76	198.82	4.43	PASS
9325.00†	7163.73	1957.46	2634.99	9543.56	7055.90	2829.00	2641.63	-82.95	878.21	207.24	4.25	PASS
9425.00†	7163.24	1957.18	2734.99	9643.55	7055.36	2828.17	2741.63	-82.94	877.67	215.72	4.08	PASS
9525.00†	7162.75	1956.91	2834.99	9743.55	7054.81	2827.34	2841.62	-82.93	877.12	224.26	3.92	PASS
9625.00†	7162.26	1956.64	2934.99	9843.55	7054.27	2826.51	2941.61	-82.93	876.58	232.85	3.77	PASS
9725.00†	7161.77	1956.36	3034.99	9943.55	7053.72	2825.68	3041.61	-82.92	876.03	241.48	3.64	PASS
9825.00†	7161.28	1956.09	3134.99	10043.55	7053.18	2824.85	3141.60	-82.91	875.48	250.15	3.51	PASS
9925.00†	7160.79	1955.82	3234.98	10143.55	7052.63	2824.02	3241.59	-82.90	874.94	258.86	3.39	PASS
10025.00†	7160.30	1955.55	3334.98	10243.55	7052.09	2823.19	3341.59	-82.89	874.39	267.60	3.27	PASS
10125.00†	7159.81	1955.27	3434.98	10343.54	7051.54	2822.36	3441.58	-82.88	873.85	276.37	3.17	PASS
10225.00†	7159.32	1955.00	3534.98	10443.54	7051.00	2821.53	3541.58	-82.88	873.30	285.17	3.07	PASS
10325.00†	7158.83	1954.73	3634.98	10543.54	7050.46	2820.71	3641.57	-82.87	872.76	293.99	2.97	PASS
10425.00†	7158.34	1954.45	3734.98	10643.54	7049.91	2819.88	3741.56	-82.86	872.21	302.83	2.88	PASS
10525.00†	7157.85	1954.18	3834.97	10743.54	7049.37	2819.05	3841.56	-82.85	871.67	311.69	2.80	PASS
10625.00†	7157.36	1953.91	3934.97	10843.54	7048.82	2818.22	3941.55	-82.84	871.12	320.57	2.72	PASS
10725.00†	7156.87	1953.64	4034.97	10943.53	7048.28	2817.39	4041.54	-82.84	870.58	329.47	2.65	PASS
10825.00†	7156.38	1953.36	4134.97	11043.53	7047.73	2816.56	4141.54	-82.83	870.03	338.38	2.57	PASS
10925.00†	7155.89	1953.09	4234.97	11143.53	7047.19	2815.73	4241.53	-82.82	869.49	347.31	2.51	PASS
11025.00†	7155.40	1952.82	4334.97	11243.53	7046.64	2814.90	4341.52	-82.81	868.94	356.25	2.44	PASS
11125.00†	7154.92	1952.55	4434.96	11343.53	7046.10	2814.07	4441.52	-82.80	868.40	365.20	2.38	PASS
11225.00†	7154.43	1952.27	4534.96	11443.53	7045.55	2813.24	4541.51	-82.80	867.85	374.16	2.32	PASS
11325.00†	7153.94	1952.00	4634.96	11543.52	7045.01	2812.41	4641.50	-82.79	867.31	383.14	2.27	PASS
11425.00†	7153.45	1951.73	4734.96	11648.81	7044.44	2811.49	4746.78	-82.78	866.72	392.18	2.21	PASS
11525.00†	7152.96	1951.45	4834.96	11750.64	7043.88	2809.80	4848.60	-82.76	866.36	401.19	2.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 110 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	11850.63	7043.34	2808.15	4948.58	-82.75	863.99	410.19	2.11	PASS
11725.00†	7151.98	1950.91	5034.96	11950.62	7042.79	2806.49	5048.55	-82.73	862.62	419.19	2.06	PASS
11825.00†	7151.49	1950.64	5134.95	12050.61	7042.25	2804.83	5148.53	-82.72	861.26	428.21	2.01	PASS
11925.00†	7151.00	1950.36	5234.95	12150.60	7041.70	2803.17	5248.50	-82.70	859.89	437.23	1.97	PASS
12025.00†	7150.51	1950.09	5334.95	12250.59	7041.16	2801.51	5348.48	-82.69	858.52	446.25	1.93	PASS
12125.00†	7150.02	1949.82	5434.95	12350.58	7040.62	2799.86	5448.45	-82.67	857.16	455.28	1.88	PASS
12225.00†	7149.53	1949.54	5534.95	12450.57	7040.07	2798.20	5548.43	-82.66	855.79	464.32	1.84	PASS
12325.00†	7149.04	1949.27	5634.95	12550.57	7039.53	2796.54	5648.40	-82.64	854.42	473.36	1.81	PASS
12425.00†	7148.55	1949.00	5734.94	12650.56	7038.98	2794.88	5748.38	-82.62	853.05	482.41	1.77	PASS
12525.00†	7148.06	1948.73	5834.94	12750.55	7038.44	2793.22	5848.35	-82.61	851.69	491.46	1.73	PASS
12625.00†	7147.57	1948.45	5934.94	12850.54	7037.89	2791.57	5948.33	-82.59	850.32	500.51	1.70	PASS
12725.00†	7147.08	1948.18	6034.94	12950.53	7037.35	2789.91	6048.30	-82.58	848.95	509.57	1.67	PASS
12825.00†	7146.59	1947.91	6134.94	13050.52	7036.80	2788.25	6148.28	-82.56	847.59	518.63	1.64	PASS
12925.00†	7146.10	1947.63	6234.94	13150.51	7036.26	2786.59	6248.25	-82.55	846.22	527.70	1.60	PASS
13025.00†	7145.61	1947.36	6334.94	13250.50	7035.71	2784.93	6348.23	-82.53	844.85	536.77	1.57	PASS
13125.00†	7145.12	1947.09	6434.93	13350.49	7035.17	2783.27	6448.20	-82.51	843.49	545.84	1.55	PASS
13225.00†	7144.63	1946.82	6534.93	13450.48	7034.63	2781.62	6548.18	-82.50	842.12	554.91	1.52	PASS
13325.00†	7144.14	1946.54	6634.93	13550.47	7034.08	2779.96	6648.15	-82.48	840.76	563.99	1.49	PASS
13425.00†	7143.65	1946.27	6734.93	13650.46	7033.54	2778.30	6748.13	-82.47	839.39	573.07	1.47	PASS
13525.00†	7143.16	1946.00	6834.93	13750.45	7032.99	2776.64	6848.10	-82.45	838.02	582.15	1.44	PASS
13625.00†	7142.67	1945.72	6934.93	13850.44	7032.45	2774.98	6948.08	-82.43	836.66	591.24	1.42	PASS
13725.00†	7142.18	1945.45	7034.92	13950.43	7031.90	2773.33	7048.05	-82.42	835.29	600.32	1.39	PASS
13825.00†	7141.69	1945.18	7134.92	14050.42	7031.36	2771.67	7148.03	-82.40	833.92	609.41	1.37	PASS
13925.00†	7141.20	1944.91	7234.92	14150.41	7030.81	2770.01	7248.00	-82.38	832.56	618.50	1.35	PASS
14025.00†	7140.71	1944.63	7334.92	14229.07	7030.39	2769.67	7326.66	-82.38	832.42	627.24	1.33	PASS
14125.00†	7140.23	1944.36	7434.92	14306.66	7029.97	2771.44	7404.23	-82.40	834.96	635.55	1.31	PASS
14225.00†	7139.74	1944.09	7534.92	14400.43	7029.46	2775.46	7497.90	-82.43	839.47	644.36	1.30	PASS
14325.00†	7139.25	1943.82	7634.91	14500.32	7028.92	2779.83	7597.70	-82.47	844.09	653.48	1.29	PASS
14425.00†	7138.76	1943.54	7734.91	14600.21	7028.39	2784.20	7697.49	-82.51	848.70	662.60	1.28	PASS
14525.00†	7138.27	1943.27	7834.91	14700.10	7027.85	2788.58	7797.29	-82.54	853.32	671.73	1.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 111 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	14800.00	7027.31	2792.95	7897.08	-82.58	857.93	680.86	1.26	PASS
14725.00†	7137.29	1942.72	8034.91	14899.89	7026.77	2797.32	7996.88	-82.62	862.55	689.98	1.25	PASS
14825.00†	7136.80	1942.45	8134.91	14999.78	7026.23	2801.69	8096.67	-82.65	867.17	699.12	1.24	PASS
14925.00†	7136.31	1942.18	8234.91	15099.67	7025.69	2806.06	8196.47	-82.69	871.78	708.25	1.23	PASS
15025.00†	7135.82	1941.91	8334.90	15199.56	7025.16	2810.43	8296.26	-82.73	876.40	717.39	1.22	PASS
15125.00†	7135.33	1941.63	8434.90	15299.46	7024.62	2814.80	8396.06	-82.76	881.02	726.52	1.21	PASS
15192.09	7135.00	1941.45	8501.99	15366.47	7024.26	2817.74	8463.01	-82.78	884.12	732.66	1.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1682.45	0.00	-36.47	117.72	-10.48
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1682.45	0.00	-36.47	117.72	-10.48
8.5in Open Hole	1750.00	15414.10	13664.10	1682.45	7024.00	117.72	-10.48	859.48	2575.79

**SURVEY PROGRAM - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-23C-M PWB
1750.00	15414.10	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-23C-M PWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 112 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-23C-M PWP (REV-A.0)</b>	
MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 113 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#10 HOOD 14N-22B-M (525'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14076.92	6977.70	1344.47	-178.49	-7.56	7083.75	120.03	59.46	PASS
125.00†	125.00	0.00	0.00	14081.67	6977.78	1344.65	-173.75	-7.36	6985.62	121.16	58.09	PASS
200.00	200.00	0.00	0.00	14085.19	6977.85	1344.78	-170.23	-7.21	6912.06	121.61	57.26	PASS
225.00†	225.00	0.10	0.03	14086.44	6977.87	1344.82	-168.98	-24.12	6887.53	121.77	56.98	PASS
325.00†	324.96	2.62	0.75	14093.13	6977.99	1345.05	-162.29	-28.82	6789.07	122.36	55.89	PASS
425.00†	424.77	8.49	2.42	14102.41	6978.15	1345.35	-153.02	-35.48	6690.16	122.93	54.83	PASS
525.00†	524.30	17.71	5.06	14114.09	6978.35	1345.68	-141.35	-45.41	6590.88	123.44	53.79	PASS
625.00†	623.44	30.26	8.64	14127.98	6978.59	1346.02	-127.46	-60.80	6491.35	123.89	52.78	PASS
725.00†	722.07	46.13	13.17	14157.90	6979.07	1346.56	-97.55	-82.70	6391.67	124.46	51.73	PASS
825.00†	820.05	65.30	18.64	14218.13	6979.75	1347.17	-37.33	-109.64	6291.91	125.32	50.57	PASS
925.00†	917.29	87.74	25.05	14235.84	6979.88	1347.23	-19.62	-132.59	6192.20	125.51	49.69	PASS
1025.00†	1013.64	113.44	32.39	14246.33	6979.95	1347.24	-9.13	-146.31	6092.69	125.49	48.90	PASS
1067.21	1054.03	125.25	35.76	14251.08	6979.99	1347.23	-4.38	-150.29	6050.77	125.46	48.58	PASS
1125.00†	1109.19	141.82	40.49	14257.67	6980.03	1347.22	2.21	-150.64	5993.44	125.39	48.14	PASS
1225.00†	1204.64	170.48	48.68	14268.95	6980.11	1347.19	13.49	-151.26	5894.23	125.28	47.39	PASS
1325.00†	1300.09	199.15	56.86	14280.08	6980.19	1347.13	24.62	-151.89	5795.03	125.15	46.64	PASS
1425.00†	1395.55	227.82	65.05	14291.06	6980.26	1347.04	35.60	-152.52	5695.84	125.02	45.89	PASS
1525.00†	1491.00	256.48	73.23	14301.88	6980.34	1346.94	46.42	-153.16	5596.67	124.87	45.14	PASS
1625.00†	1586.45	285.15	81.42	14312.57	6980.41	1346.82	57.10	-153.80	5497.50	124.72	44.40	PASS
1725.00†	1681.91	313.81	89.60	14321.30	6980.48	1346.70	65.84	-154.34	5398.36	124.53	43.66	PASS
1825.00†	1777.36	342.48	97.79	14328.12	6980.53	1346.60	72.66	-154.76	5299.23	124.10	42.94	PASS
1925.00†	1872.81	371.14	105.97	14334.97	6980.58	1346.49	79.50	-155.19	5200.13	123.87	42.22	PASS
2025.00†	1968.27	399.81	114.15	14341.84	6980.64	1346.37	86.37	-155.63	5101.05	123.63	41.49	PASS
2125.00†	2063.72	428.48	122.34	14348.74	6980.71	1346.24	93.27	-156.08	5001.99	123.38	40.77	PASS
2225.00†	2159.17	457.14	130.52	14355.66	6980.78	1346.10	100.19	-156.53	4902.96	123.12	40.05	PASS
2325.00†	2254.63	485.81	138.71	14362.61	6980.85	1345.94	107.14	-157.00	4803.96	122.86	39.32	PASS
2425.00†	2350.08	514.47	146.89	14369.59	6980.92	1345.78	114.11	-157.47	4704.99	122.58	38.60	PASS
2525.00†	2445.53	543.14	155.08	14376.59	6981.01	1345.61	121.12	-157.95	4606.05	122.29	37.88	PASS
2625.00†	2540.98	571.80	163.26	14383.63	6981.09	1345.43	128.15	-158.43	4507.14	121.98	37.16	PASS
2725.00†	2636.44	600.47	171.45	14390.69	6981.18	1345.24	135.20	-158.93	4408.27	121.67	36.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 114 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#10 HOOD 14N-22B-M (525'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14397.78	6981.28	1345.04	142.29	-159.43	4309.43	121.34	35.72	PASS
2925.00†	2827.34	657.80	187.82	14404.89	6981.38	1344.82	149.40	-159.94	4210.64	121.00	35.00	PASS
3025.00†	2922.80	686.47	196.00	14415.92	6981.54	1344.47	160.42	-160.75	4111.88	120.68	34.27	PASS
3125.00†	3018.25	715.13	204.19	14428.23	6981.71	1344.03	172.72	-161.67	4013.17	120.36	33.53	PASS
3225.00†	3113.70	743.80	212.37	14440.14	6981.87	1343.57	184.62	-162.58	3914.49	120.01	32.80	PASS
3325.00†	3209.16	772.46	220.56	14451.67	6982.03	1343.07	196.14	-163.48	3815.85	119.65	32.08	PASS
3425.00†	3304.61	801.13	228.74	14462.84	6982.17	1342.56	207.29	-164.37	3717.27	119.26	31.35	PASS
3525.00†	3400.06	829.79	236.93	14473.66	6982.31	1342.02	218.10	-165.25	3618.73	118.85	30.62	PASS
3625.00†	3495.52	858.46	245.11	14484.15	6982.44	1341.47	228.58	-166.11	3520.26	118.42	29.90	PASS
3725.00†	3590.97	887.13	253.29	14494.33	6982.56	1340.90	238.74	-166.96	3421.85	117.97	29.17	PASS
3825.00†	3686.42	915.79	261.48	14502.70	6982.66	1340.42	247.10	-167.67	3323.51	117.50	28.45	PASS
3925.00†	3781.88	944.46	269.66	14510.43	6982.75	1339.95	254.82	-168.34	3225.26	117.00	27.73	PASS
4025.00†	3877.33	973.12	277.85	14518.11	6982.85	1339.48	262.48	-169.00	3127.09	116.49	27.00	PASS
4125.00†	3972.78	1001.79	286.03	14525.74	6982.94	1339.01	270.09	-169.67	3029.03	115.98	26.27	PASS
4225.00†	4068.23	1030.45	294.22	14533.31	6983.04	1338.52	277.64	-170.34	2931.08	115.46	25.54	PASS
4325.00†	4163.69	1059.12	302.40	14540.82	6983.13	1338.03	285.14	-171.01	2833.26	114.93	24.80	PASS
4425.00†	4259.14	1087.78	310.59	14548.28	6983.23	1337.54	292.58	-171.68	2735.57	114.42	24.05	PASS
4525.00†	4354.59	1116.45	318.77	14555.69	6983.32	1337.03	299.97	-172.36	2638.03	113.91	23.30	PASS
4625.00†	4450.05	1145.12	326.96	14563.04	6983.42	1336.52	307.31	-173.03	2540.67	113.43	22.53	PASS
4725.00†	4545.50	1173.78	335.14	14570.34	6983.51	1336.01	314.59	-173.71	2443.49	113.00	21.75	PASS
4825.00†	4640.95	1202.45	343.33	14577.60	6983.61	1335.49	321.82	-174.39	2346.53	112.62	20.96	PASS
4925.00†	4736.41	1231.11	351.51	14584.80	6983.70	1334.96	329.00	-175.06	2249.81	112.33	20.15	PASS
5025.00†	4831.86	1259.78	359.70	14592.93	6983.81	1334.36	337.12	-175.83	2153.36	112.17	19.31	PASS
5125.00†	4927.31	1288.44	367.88	14601.53	6983.92	1333.75	345.69	-176.65	2057.23	112.17	18.45	PASS
5225.00†	5022.77	1317.11	376.07	14610.16	6984.02	1333.16	354.30	-177.48	1961.44	112.40	17.55	PASS
5325.00†	5118.22	1345.78	384.25	14618.81	6984.12	1332.59	362.93	-178.32	1866.07	112.93	16.62	PASS
5425.00†	5213.67	1374.44	392.43	14627.50	6984.21	1332.04	371.60	-179.16	1771.17	113.86	15.65	PASS
5525.00†	5309.12	1403.11	400.62	14636.21	6984.30	1331.51	380.30	-179.99	1676.83	115.31	14.63	PASS
5625.00†	5404.58	1431.77	408.80	14644.96	6984.38	1331.01	389.03	-179.13	1583.14	117.44	13.56	PASS
5725.00†	5500.03	1460.44	416.99	14653.74	6984.45	1330.52	397.80	-178.26	1490.22	120.45	12.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 115 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#10 HOOD 14N-22B-M (525'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14662.55	6984.52	1330.06	406.59	177.39	1398.24	124.58	11.28	PASS
5925.00†	5690.94	1517.77	433.36	14671.39	6984.59	1329.62	415.42	176.50	1307.38	130.14	10.10	PASS
6025.00†	5786.39	1546.43	441.54	14679.47	6984.64	1329.24	423.50	175.69	1217.91	137.46	8.90	PASS
6125.00†	5881.84	1575.10	449.73	14686.95	6984.70	1328.92	430.97	174.94	1130.15	146.95	7.72	PASS
6225.00†	5977.30	1603.77	457.91	14694.77	6984.76	1328.60	438.78	174.15	1044.54	159.11	6.59	PASS
6325.00†	6072.75	1632.43	466.10	14702.95	6984.83	1328.30	446.95	173.32	961.64	174.45	5.53	PASS
6425.00†	6168.20	1661.10	474.28	14711.51	6984.91	1328.01	455.51	172.45	882.22	193.54	4.57	PASS
6525.00†	6263.66	1689.76	482.47	14720.49	6985.01	1327.74	464.49	171.54	807.30	216.86	3.73	PASS
6625.00†	6359.11	1718.43	490.65	14729.91	6985.11	1327.50	473.91	170.58	738.23	244.71	3.02	PASS
6725.00†	6454.56	1747.09	498.84	14739.82	6985.24	1327.29	483.81	169.57	676.82	276.89	2.45	PASS
6825.00†	6550.01	1775.76	507.02	14750.24	6985.38	1327.11	494.23	168.50	625.29	312.19	2.01	PASS
6888.88	6610.99	1794.07	512.25	14757.18	6985.48	1327.02	501.17	167.79	598.75	335.22	1.79	PASS
6925.00†	6645.37	1804.39	516.22	14762.44	6985.56	1326.96	506.43	158.96	586.32	347.96	1.69	PASS
7025.00†	6738.80	1832.44	537.75	14787.09	6985.93	1326.78	531.07	139.23	562.86	379.89	1.48	PASS
7125.00†	6827.86	1859.15	574.28	14827.44	6986.50	1326.63	571.42	124.64	555.65	403.81	1.38	PASS
7225.00†	6910.36	1883.87	624.90	14879.70	6987.20	1326.65	623.67	112.63	562.49	418.06	1.35	PASS
7325.00†	6984.27	1905.99	688.37	14941.68	6988.44	1326.51	685.64	102.08	579.50	424.34	1.37	PASS
7425.00†	7047.75	1924.97	763.12	15017.18	6990.08	1326.14	761.13	92.65	601.60	426.37	1.41	PASS
7525.00†	7099.27	1940.34	847.32	15097.20	6991.47	1325.48	841.12	85.13	624.27	426.73	1.46	PASS
7625.00†	7137.53	1951.72	938.90	15173.00	6992.97	1324.16	916.90	79.87	644.37	426.90	1.51	PASS
7725.00†	7161.61	1958.83	1035.59	15173.00	6992.97	1324.16	916.90	77.34	667.33	417.64	1.60	PASS
7825.00†	7170.90	1961.50	1135.02	15173.00	6992.97	1324.16	916.90	74.71	696.73	403.39	1.73	PASS
7840.20	7171.00	1961.51	1150.22	15173.00	6992.97	1324.16	916.90	74.31	701.67	400.88	1.75	PASS
7925.00†	7170.58	1961.28	1235.02	15173.00	6992.97	1324.16	916.90	74.31	733.94	385.21	1.91	PASS
8025.00†	7170.10	1961.00	1335.01	15173.00	6992.97	1324.16	916.90	74.31	782.15	364.43	2.15	PASS
8125.00†	7169.61	1960.73	1435.01	15173.00	6992.97	1324.16	916.90	74.31	839.56	342.97	2.45	PASS
8225.00†	7169.12	1960.46	1535.01	15173.00	6992.97	1324.16	916.90	74.31	904.41	322.11	2.81	PASS
8325.00†	7168.63	1960.18	1635.01	15173.00	6992.97	1324.16	916.90	74.31	975.23	302.60	3.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 116 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1760.00	1735.00	10.00	1741.17	715.62	-4936.76	716.95	-4912.11
9.625in Casing Surface	25.00	1774.00	1749.00	10.00	1755.10	715.62	-4936.76	717.00	-4911.69
8.5in Open Hole	1760.00	15173.00	13413.00	1741.17	6992.97	716.95	-4912.11	760.92	-2188.84

### WELLPATH COMPOSITION - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1720.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<108-1720>	HOOD 14N-22B-M AWB
1720.00	15149.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-15149>	HOOD 14N-22B-M AWB
15149.00	15173.00	Blind Drilling (std)	Projection to bit	HOOD 14N-22B-M AWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 14N-22B-M AWB Offset Wellpath: HOOD 14N-22B-M AWP

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 117 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	1188.96	5454.63	77.70	5582.71	50.20	113.38	PASS
125.00†	125.00	0.00	0.00	114.00	125.00	1188.96	5454.63	77.70	5582.71	50.51	112.66	PASS
200.00	200.00	0.00	0.00	189.00	200.00	1188.96	5454.63	77.70	5582.71	51.21	111.08	PASS
225.00†	225.00	0.10	0.03	214.00	225.00	1188.96	5454.63	61.77	5582.66	51.55	110.34	PASS
325.00†	324.96	2.62	0.75	313.96	324.96	1188.96	5454.63	61.82	5581.42	53.30	106.64	PASS
425.00†	424.77	8.49	2.42	413.77	424.77	1188.96	5454.63	61.92	5578.53	55.63	102.03	PASS
525.00†	524.30	17.71	5.06	513.30	524.30	1188.96	5454.63	62.09	5574.02	58.42	96.99	PASS
625.00†	623.44	30.26	8.64	612.44	623.44	1188.96	5454.63	62.32	5567.89	61.56	91.87	PASS
725.00†	722.07	46.13	13.17	711.07	722.07	1188.96	5454.63	62.60	5560.18	64.95	86.88	PASS
825.00†	820.05	65.30	18.64	809.05	820.05	1188.96	5454.63	62.95	5550.91	68.54	82.12	PASS
925.00†	917.29	87.74	25.05	906.29	917.29	1188.96	5454.63	63.35	5540.13	72.29	77.66	PASS
1025.00†	1013.64	113.44	32.39	1002.64	1013.64	1188.96	5454.63	63.81	5527.88	76.14	73.52	PASS
1067.21	1054.03	125.25	35.76	1043.03	1054.03	1188.96	5454.63	64.02	5522.28	77.81	71.85	PASS
1125.00†	1109.19	141.82	40.49	1098.19	1109.19	1188.96	5454.63	64.18	5514.47	80.09	69.68	PASS
1225.00†	1204.64	170.48	48.68	1193.64	1204.64	1188.96	5454.63	64.45	5501.06	84.14	66.13	PASS
1325.00†	1300.09	199.15	56.86	1289.09	1300.09	1188.96	5454.63	64.72	5487.77	88.27	62.84	PASS
1425.00†	1395.55	227.82	65.05	1384.55	1395.55	1188.96	5454.63	64.99	5474.61	92.48	59.81	PASS
1525.00†	1491.00	256.48	73.23	1480.00	1491.00	1188.96	5454.63	65.26	5461.59	96.77	57.00	PASS
1625.00†	1586.45	285.15	81.42	1575.45	1586.45	1188.96	5454.63	65.54	5448.70	101.11	54.40	PASS
1725.00†	1681.91	313.81	89.60	1670.91	1681.91	1188.96	5454.63	65.81	5435.94	105.52	51.98	PASS
1825.00†	1777.36	342.48	97.79	1766.36	1777.36	1188.96	5454.63	66.09	5423.31	109.53	49.83	PASS
1925.00†	1872.81	371.14	105.97	1861.81	1872.81	1188.96	5454.63	66.37	5410.82	113.65	47.90	PASS
2025.00†	1968.27	399.81	114.15	1957.27	1968.27	1188.96	5454.63	66.65	5398.47	117.81	46.10	PASS
2125.00†	2063.72	428.48	122.34	2052.72	2063.72	1188.96	5454.63	66.93	5386.25	121.99	44.41	PASS
2225.00†	2159.17	457.14	130.52	2148.17	2159.17	1188.96	5454.63	67.21	5374.17	126.20	42.82	PASS
2325.00†	2254.63	485.81	138.71	2243.63	2254.63	1188.96	5454.63	67.49	5362.22	130.43	41.33	PASS
2425.00†	2350.08	514.47	146.89	2339.08	2350.08	1188.96	5454.63	67.77	5350.42	134.69	39.93	PASS
2525.00†	2445.53	543.14	155.08	2434.53	2445.53	1188.96	5454.63	68.06	5338.76	138.97	38.61	PASS
2625.00†	2540.98	571.80	163.26	2529.98	2540.98	1188.96	5454.63	68.34	5327.24	143.27	37.36	PASS
2725.00†	2636.44	600.47	171.45	2625.44	2636.44	1188.96	5454.63	68.63	5315.86	147.59	36.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 118 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2720.89	2731.89	1188.96	5454.63	68.92	5304.62	151.94	35.07	PASS
2925.00†	2827.34	657.80	187.82	2816.34	2827.34	1188.96	5454.63	69.21	5293.53	156.30	34.02	PASS
3025.00†	2922.80	686.47	196.00	2911.80	2922.80	1188.96	5454.63	69.50	5282.58	160.67	33.02	PASS
3125.00†	3018.25	715.13	204.19	3007.25	3018.25	1188.96	5454.63	69.79	5271.78	165.07	32.07	PASS
3225.00†	3113.70	743.80	212.37	3102.70	3113.70	1188.96	5454.63	70.08	5261.13	169.48	31.17	PASS
3325.00†	3209.16	772.46	220.56	3198.16	3209.16	1188.96	5454.63	70.37	5250.62	173.91	30.31	PASS
3425.00†	3304.61	801.13	228.74	3293.61	3304.61	1188.96	5454.63	70.67	5240.26	178.35	29.50	PASS
3525.00†	3400.06	829.79	236.93	3389.06	3400.06	1188.96	5454.63	70.96	5230.05	182.81	28.72	PASS
3625.00†	3495.52	858.46	245.11	3484.52	3495.52	1188.96	5454.63	71.26	5219.99	187.28	27.98	PASS
3725.00†	3590.97	887.13	253.29	3579.97	3590.97	1188.96	5454.63	71.56	5210.09	191.76	27.27	PASS
3825.00†	3686.42	915.79	261.48	3675.42	3686.42	1188.96	5454.63	71.86	5200.33	196.26	26.59	PASS
3925.00†	3781.88	944.46	269.66	3770.88	3781.88	1188.96	5454.63	72.16	5190.73	200.77	25.94	PASS
4025.00†	3877.33	973.12	277.85	3866.33	3877.33	1188.96	5454.63	72.46	5181.28	205.29	25.32	PASS
4125.00†	3972.78	1001.79	286.03	3961.78	3972.78	1188.96	5454.63	72.76	5171.98	209.83	24.73	PASS
4225.00†	4068.23	1030.45	294.22	4057.23	4068.23	1188.96	5454.63	73.06	5162.85	214.37	24.16	PASS
4325.00†	4163.69	1059.12	302.40	4152.69	4163.69	1188.96	5454.63	73.37	5153.86	218.93	23.61	PASS
4425.00†	4259.14	1087.78	310.59	4248.14	4259.14	1188.96	5454.63	73.67	5145.04	223.50	23.09	PASS
4525.00†	4354.59	1116.45	318.77	4343.59	4354.59	1188.96	5454.63	73.98	5136.37	228.08	22.59	PASS
4625.00†	4450.05	1145.12	326.96	4439.05	4450.05	1188.96	5454.63	74.28	5127.86	232.66	22.10	PASS
4725.00†	4545.50	1173.78	335.14	4534.50	4545.50	1188.96	5454.63	74.59	5119.51	237.26	21.64	PASS
4825.00†	4640.95	1202.45	343.33	4629.95	4640.95	1188.96	5454.63	74.90	5111.32	241.87	21.19	PASS
4925.00†	4736.41	1231.11	351.51	4725.41	4736.41	1188.96	5454.63	75.21	5103.29	246.48	20.76	PASS
5025.00†	4831.86	1259.78	359.70	4820.86	4831.86	1188.96	5454.63	75.52	5095.43	251.11	20.35	PASS
5125.00†	4927.31	1288.44	367.88	4916.31	4927.31	1188.96	5454.63	75.83	5087.72	255.74	19.95	PASS
5225.00†	5022.77	1317.11	376.07	5011.77	5022.77	1188.96	5454.63	76.14	5080.18	260.38	19.56	PASS
5325.00†	5118.22	1345.78	384.25	5107.22	5118.22	1188.96	5454.63	76.46	5072.80	265.02	19.19	PASS
5425.00†	5213.67	1374.44	392.43	5202.67	5213.67	1188.96	5454.63	76.77	5065.59	269.68	18.83	PASS
5525.00†	5309.12	1403.11	400.62	5298.12	5309.12	1188.96	5454.63	77.08	5058.54	274.34	18.48	PASS
5625.00†	5404.58	1431.77	408.80	5393.58	5404.58	1188.96	5454.63	77.40	5051.66	279.01	18.15	PASS
5725.00†	5500.03	1460.44	416.99	5489.03	5500.03	1188.96	5454.63	77.72	5044.95	283.69	17.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 119 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5584.48	5595.48	1188.96	5454.63	78.03	5038.40	288.37	17.51	PASS
5925.00†	5690.94	1517.77	433.36	5679.94	5690.94	1188.96	5454.63	78.35	5032.03	293.06	17.21	PASS
6025.00†	5786.39	1546.43	441.54	5775.39	5786.39	1188.96	5454.63	78.67	5025.82	297.75	16.92	PASS
6125.00†	5881.84	1575.10	449.73	5870.84	5881.84	1188.96	5454.63	78.99	5019.78	302.45	16.63	PASS
6225.00†	5977.30	1603.77	457.91	5966.30	5977.30	1188.96	5454.63	79.31	5013.91	307.16	16.36	PASS
6325.00†	6072.75	1632.43	466.10	6061.75	6072.75	1188.96	5454.63	79.63	5008.21	311.87	16.09	PASS
6425.00†	6168.20	1661.10	474.28	6157.20	6168.20	1188.96	5454.63	79.95	5002.68	316.59	15.84	PASS
6525.00†	6263.66	1689.76	482.47	6252.66	6263.66	1188.96	5454.63	80.27	4997.32	321.31	15.59	PASS
6625.00†	6359.11	1718.43	490.65	6348.11	6359.11	1188.96	5454.63	80.59	4992.14	326.03	15.34	PASS
6725.00†	6454.56	1747.09	498.84	6443.56	6454.56	1188.96	5454.63	80.92	4987.12	330.76	15.11	PASS
6825.00†	6550.01	1775.76	507.02	6539.01	6550.01	1188.96	5454.63	81.24	4982.29	335.50	14.88	PASS
6888.88	6610.99	1794.07	512.25	6599.99	6610.99	1188.96	5454.63	81.45	4979.29	338.53	14.74	PASS
6925.00†	6645.37	1804.39	516.22	6634.37	6645.37	1188.96	5454.63	72.12	4976.61	340.24	14.66	PASS
7025.00†	6738.80	1832.44	537.75	6727.80	6738.80	1188.96	5454.63	53.21	4958.80	345.18	14.39	PASS
7125.00†	6827.86	1859.15	574.28	6816.86	6827.86	1188.96	5454.63	42.59	4926.15	350.47	14.08	PASS
7225.00†	6910.36	1883.87	624.90	6899.36	6910.36	1188.96	5454.63	36.89	4879.47	355.35	13.76	PASS
7325.00†	6984.27	1905.99	688.37	6973.27	6984.27	1188.96	5454.63	34.20	4819.89	359.73	13.42	PASS
7425.00†	7047.75	1924.97	763.12	7036.75	7047.75	1188.96	5454.63	33.77	4748.89	363.52	13.09	PASS
7525.00†	7099.27	1940.34	847.32	7088.27	7099.27	1188.96	5454.63	35.65	4668.17	366.65	12.75	PASS
7625.00†	7137.53	1951.72	938.90	7126.53	7137.53	1188.96	5454.63	40.95	4579.70	369.03	12.43	PASS
7725.00†	7161.61	1958.83	1035.59	7150.61	7161.61	1188.96	5454.63	53.45	4485.60	370.64	12.12	PASS
7825.00†	7170.90	1961.50	1135.02	7159.90	7170.90	1188.96	5454.63	84.40	4388.15	371.45	11.83	PASS
7840.20	7171.00	1961.51	1150.22	7160.00	7171.00	1188.96	5454.63	91.59	4373.19	371.50	11.79	PASS
7925.00†	7170.58	1961.28	1235.02	7159.58	7170.58	1188.96	5454.63	91.56	4289.71	371.75	11.56	PASS
8025.00†	7170.10	1961.00	1335.01	7159.10	7170.10	1188.96	5454.63	91.52	4191.33	372.07	11.28	PASS
8125.00†	7169.61	1960.73	1435.01	7158.61	7169.61	1188.96	5454.63	91.48	4093.04	372.42	11.01	PASS
8225.00†	7169.12	1960.46	1535.01	7158.12	7169.12	1188.96	5454.63	91.45	3994.82	372.81	10.73	PASS
8325.00†	7168.63	1960.18	1635.01	7157.63	7168.63	1188.96	5454.63	91.41	3896.70	373.24	10.46	PASS
8425.00†	7168.14	1959.91	1735.01	7157.14	7168.14	1188.96	5454.63	91.37	3798.68	373.71	10.18	PASS
8525.00†	7167.65	1959.64	1835.01	7156.65	7167.65	1188.96	5454.63	91.34	3700.76	374.23	9.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 120 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

**Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7156.16	7167.16	1188.96	5454.63	91.30	3602.95	374.81	9.63	PASS
8725.00†	7166.67	1959.09	2035.00	7155.67	7166.67	1188.96	5454.63	91.26	3505.27	375.44	9.35	PASS
8825.00†	7166.18	1958.82	2135.00	7155.18	7166.18	1188.96	5454.63	91.23	3407.73	376.14	9.07	PASS
8925.00†	7165.69	1958.55	2235.00	7154.69	7165.69	1188.96	5454.63	91.19	3310.33	376.91	8.80	PASS
9025.00†	7165.20	1958.27	2335.00	7154.20	7165.20	1188.96	5454.63	91.15	3213.09	377.76	8.52	PASS
9125.00†	7164.71	1958.00	2435.00	7153.71	7164.71	1188.96	5454.63	91.11	3116.02	378.70	8.24	PASS
9225.00†	7164.22	1957.73	2534.99	7153.22	7164.22	1188.96	5454.63	91.08	3019.15	379.73	7.96	PASS
9325.00†	7163.73	1957.46	2634.99	7152.73	7163.73	1188.96	5454.63	91.04	2922.49	380.88	7.69	PASS
9425.00†	7163.24	1957.18	2734.99	7152.24	7163.24	1188.96	5454.63	91.00	2826.06	382.14	7.41	PASS
9525.00†	7162.75	1956.91	2834.99	7151.75	7162.75	1188.96	5454.63	90.97	2729.88	383.53	7.13	PASS
9625.00†	7162.26	1956.64	2934.99	7151.26	7162.26	1188.96	5454.63	90.93	2633.99	385.08	6.85	PASS
9725.00†	7161.77	1956.36	3034.99	7150.77	7161.77	1188.96	5454.63	90.89	2538.42	386.79	6.57	PASS
9825.00†	7161.28	1956.09	3134.99	7150.28	7161.28	1188.96	5454.63	90.86	2443.20	388.69	6.30	PASS
9925.00†	7160.79	1955.82	3234.98	7149.79	7160.79	1188.96	5454.63	90.82	2348.38	390.79	6.02	PASS
10025.00†	7160.30	1955.55	3334.98	7149.30	7160.30	1188.96	5454.63	90.78	2254.01	393.13	5.74	PASS
10125.00†	7159.81	1955.27	3434.98	7148.81	7159.81	1188.96	5454.63	90.75	2160.14	395.73	5.47	PASS
10225.00†	7159.32	1955.00	3534.98	7148.32	7159.32	1188.96	5454.63	90.71	2066.85	398.62	5.19	PASS
10325.00†	7158.83	1954.73	3634.98	7147.83	7158.83	1188.96	5454.63	90.67	1974.22	401.84	4.92	PASS
10425.00†	7158.34	1954.45	3734.98	7147.34	7158.34	1188.96	5454.63	90.64	1882.34	405.45	4.65	PASS
10525.00†	7157.85	1954.18	3834.97	7146.85	7157.85	1188.96	5454.63	90.60	1791.32	409.47	4.38	PASS
10625.00†	7157.36	1953.91	3934.97	7146.36	7157.36	1188.96	5454.63	90.56	1701.32	413.97	4.12	PASS
10725.00†	7156.87	1953.64	4034.97	7145.87	7156.87	1188.96	5454.63	90.52	1612.50	419.02	3.85	PASS
10825.00†	7156.38	1953.36	4134.97	7145.38	7156.38	1188.96	5454.63	90.49	1525.06	424.67	3.60	PASS
10925.00†	7155.89	1953.09	4234.97	7144.89	7155.89	1188.96	5454.63	90.45	1439.26	431.02	3.34	PASS
11025.00†	7155.40	1952.82	4334.97	7144.40	7155.40	1188.96	5454.63	90.41	1355.40	438.12	3.10	PASS
11125.00†	7154.92	1952.55	4434.96	7143.92	7154.92	1188.96	5454.63	90.38	1273.88	446.08	2.86	PASS
11225.00†	7154.43	1952.27	4534.96	7143.43	7154.43	1188.96	5454.63	90.34	1195.17	454.95	2.63	PASS
11325.00†	7153.94	1952.00	4634.96	7142.94	7153.94	1188.96	5454.63	90.30	1119.86	464.80	2.41	PASS
11425.00†	7153.45	1951.73	4734.96	7142.45	7153.45	1188.96	5454.63	90.27	1048.68	475.61	2.21	PASS
11525.00†	7152.96	1951.45	4834.96	7141.96	7152.96	1188.96	5454.63	90.23	982.54	487.31	2.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 121 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	7141.47	7152.47	1188.96	5454.63	90.19	922.52	499.69	1.85	PASS
11725.00†	7151.98	1950.91	5034.96	7140.98	7151.98	1188.96	5454.63	90.16	869.88	512.34	1.70	PASS
11825.00†	7151.49	1950.64	5134.95	7140.49	7151.49	1188.96	5454.63	90.12	826.04	524.62	1.58	PASS
11925.00†	7151.00	1950.36	5234.95	7140.00	7151.00	1188.96	5454.63	90.08	792.46	535.66	1.48	PASS
12025.00†	7150.51	1950.09	5334.95	7139.51	7150.51	1188.96	5454.63	90.05	770.48	544.45	1.42	PASS
12125.00†	7150.02	1949.82	5434.95	7139.02	7150.02	1188.96	5454.63	90.01	761.11	550.09	1.38	PASS
12146.25†	7149.91	1949.76	5456.20	7140.62	7151.62	1188.96	5454.63	90.13	760.80	550.92	1.38	PASS
12169.45†	7149.80	1949.70	5479.40	7138.80	7149.80	1188.96	5454.63	89.99	761.14	551.43	1.38	PASS
12225.00†	7149.53	1949.54	5534.95	7138.53	7149.53	1188.96	5454.63	89.97	764.81	552.04	1.39	PASS
12325.00†	7149.04	1949.27	5634.95	7138.04	7149.04	1188.96	5454.63	89.93	781.40	550.30	1.42	PASS
12425.00†	7148.55	1949.00	5734.94	7137.55	7148.55	1188.96	5454.63	89.90	810.08	545.39	1.49	PASS
12525.00†	7148.06	1948.73	5834.94	7137.06	7148.06	1188.96	5454.63	89.86	849.63	538.14	1.58	PASS
12625.00†	7147.57	1948.45	5934.94	7136.57	7147.57	1188.96	5454.63	89.82	898.62	529.46	1.70	PASS
12725.00†	7147.08	1948.18	6034.94	7136.08	7147.08	1188.96	5454.63	89.79	955.60	520.12	1.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7300.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7300>	EX. BARNEY 3 AWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 122 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP</b>	
MD Reference: Rig on SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 123 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#02 TROUDT 26C-23-M (761'FNL & 1609'FWL, SEC.27) Well: TROUDT 26C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASSD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-74.85	-90.00	74.85	1.56	123.15	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-74.85	-90.00	74.85	1.88	80.63	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-74.85	-90.00	74.85	2.30	55.37	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	-74.85	-106.02	74.88	2.44	50.11	PASS
325.00†	324.96	2.62	0.75	325.12	325.12	0.11	-74.83	-107.83	75.62	3.07	35.43	PASS
425.00†	424.77	8.49	2.42	425.75	425.75	2.70	-74.28	-110.25	76.93	3.86	26.25	PASS
525.00†	524.30	17.71	5.06	526.51	526.27	8.76	-73.01	-112.50	78.60	4.76	20.44	PASS
625.00†	623.44	30.26	8.64	627.38	626.67	18.28	-71.00	-114.56	80.60	5.74	16.67	PASS
725.00†	722.07	46.13	13.17	728.38	726.78	31.28	-68.26	-116.42	82.91	6.82	14.00	PASS
825.00†	820.05	65.30	18.64	829.49	826.48	47.74	-64.79	-118.08	85.50	8.00	12.01	PASS
925.00†	917.29	87.74	25.05	930.72	925.63	67.66	-60.59	-119.54	88.36	9.31	10.48	PASS
1025.00†	1013.64	113.44	32.39	1032.06	1024.12	91.03	-55.67	-120.81	91.47	10.72	9.28	PASS
1067.21	1054.03	125.25	35.76	1074.87	1065.46	101.92	-53.37	-121.28	92.85	11.42	8.79	PASS
1125.00†	1109.19	141.82	40.49	1133.52	1121.81	117.82	-50.02	-121.61	94.49	12.23	8.30	PASS
1225.00†	1204.64	170.48	48.68	1235.05	1218.53	148.00	-43.67	-120.66	96.05	13.80	7.41	PASS
1325.00†	1300.09	199.15	56.86	1336.40	1313.94	181.45	-36.62	-117.82	96.14	15.49	6.55	PASS
1425.00†	1395.55	227.82	65.05	1437.33	1407.69	218.02	-28.91	-113.01	95.24	17.54	5.69	PASS
1525.00†	1491.00	256.48	73.23	1537.58	1499.45	257.53	-20.59	-106.11	94.20	19.82	4.94	PASS
1625.00†	1586.45	285.15	81.42	1636.93	1588.93	299.75	-11.69	-97.15	94.28	22.27	4.38	PASS
1725.00†	1681.91	313.81	89.60	1735.54	1676.95	343.26	-2.52	-87.41	96.84	24.53	4.07	PASS
1825.00†	1777.36	342.48	97.79	1834.15	1764.96	386.77	6.65	-78.41	102.09	25.07	4.16	PASS
1925.00†	1872.81	371.14	105.97	1932.76	1852.97	430.28	15.82	-70.44	109.63	24.62	4.55	PASS
2025.00†	1968.27	399.81	114.15	2031.36	1940.99	473.78	24.98	-63.60	119.03	24.17	5.04	PASS
2125.00†	2063.72	428.48	122.34	2129.97	2029.00	517.29	34.15	-57.80	129.89	23.79	5.60	PASS
2225.00†	2159.17	457.14	130.52	2228.58	2117.02	560.80	43.32	-52.93	141.87	23.55	6.18	PASS
2325.00†	2254.63	485.81	138.71	2327.18	2205.03	604.30	52.49	-48.83	154.71	23.45	6.77	PASS
2425.00†	2350.08	514.47	146.89	2425.79	2293.05	647.81	61.65	-45.37	168.22	23.50	7.35	PASS
2525.00†	2445.53	543.14	155.08	2524.40	2381.06	691.32	70.82	-42.43	182.25	23.69	7.90	PASS
2625.00†	2540.98	571.80	163.26	2623.01	2469.07	734.82	79.99	-39.91	196.68	24.01	8.41	PASS
2725.00†	2636.44	600.47	171.45	2721.61	2557.09	778.33	89.16	-37.74	211.43	24.45	8.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 124 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

**Facility: SEC.27-T06N-R66W Slot: SLOT#02 TROUDT 26C-23-M (761'FNL & 1609'FWL, SEC.27) Well: TROUDT 26C-23-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2820.22	2645.10	821.84	98.32	-35.85	226.45	24.98	9.30	PASS
2925.00†	2827.34	657.80	187.82	2918.83	2733.12	865.35	107.49	-34.20	241.67	25.61	9.68	PASS
3025.00†	2922.80	686.47	196.00	3017.44	2821.13	908.85	116.66	-32.74	257.07	26.31	10.02	PASS
3125.00†	3018.25	715.13	204.19	3116.04	2909.15	952.36	125.83	-31.45	272.62	27.07	10.31	PASS
3225.00†	3113.70	743.80	212.37	3214.65	2997.16	995.87	134.99	-30.29	288.29	27.89	10.58	PASS
3325.00†	3209.16	772.46	220.56	3313.26	3085.17	1039.37	144.16	-29.26	304.06	28.77	10.81	PASS
3425.00†	3304.61	801.13	228.74	3411.87	3173.19	1082.88	153.33	-28.33	319.91	29.68	11.02	PASS
3525.00†	3400.06	829.79	236.93	3510.47	3261.20	1126.39	162.50	-27.48	335.84	30.64	11.20	PASS
3625.00†	3495.52	858.46	245.11	3609.08	3349.22	1169.90	171.67	-26.72	351.84	31.63	11.36	PASS
3725.00†	3590.97	887.13	253.29	3707.69	3437.23	1213.40	180.83	-26.02	367.89	32.64	11.50	PASS
3825.00†	3686.42	915.79	261.48	3806.30	3525.25	1256.91	190.00	-25.37	383.99	33.69	11.62	PASS
3925.00†	3781.88	944.46	269.66	3904.90	3613.26	1300.42	199.17	-24.78	400.14	34.76	11.73	PASS
4025.00†	3877.33	973.12	277.85	4003.51	3701.27	1343.92	208.34	-24.24	416.32	35.84	11.83	PASS
4125.00†	3972.78	1001.79	286.03	4102.12	3789.29	1387.43	217.50	-23.73	432.54	36.95	11.91	PASS
4225.00†	4068.23	1030.45	294.22	4200.73	3877.30	1430.94	226.67	-23.27	448.78	38.07	11.99	PASS
4325.00†	4163.69	1059.12	302.40	4299.33	3965.32	1474.45	235.84	-22.83	465.06	39.21	12.06	PASS
4425.00†	4259.14	1087.78	310.59	4397.94	4053.33	1517.95	245.01	-22.43	481.36	40.36	12.12	PASS
4525.00†	4354.59	1116.45	318.77	4496.55	4141.34	1561.46	254.17	-22.05	497.68	41.53	12.18	PASS
4625.00†	4450.05	1145.12	326.96	4595.16	4229.36	1604.97	263.34	-21.69	514.02	42.70	12.22	PASS
4725.00†	4545.50	1173.78	335.14	4693.76	4317.37	1648.47	272.51	-21.36	530.38	43.88	12.27	PASS
4825.00†	4640.95	1202.45	343.33	4792.37	4405.39	1691.98	281.68	-21.05	546.75	45.07	12.31	PASS
4925.00†	4736.41	1231.11	351.51	4890.98	4493.40	1735.49	290.85	-20.75	563.14	46.27	12.34	PASS
5025.00†	4831.86	1259.78	359.70	4989.59	4581.42	1779.00	300.01	-20.47	579.54	47.48	12.38	PASS
5125.00†	4927.31	1288.44	367.88	5088.19	4669.43	1822.50	309.18	-20.21	595.96	48.70	12.40	PASS
5225.00†	5022.77	1317.11	376.07	5186.80	4757.44	1866.01	318.35	-19.96	612.39	49.92	12.43	PASS
5325.00†	5118.22	1345.78	384.25	5285.41	4845.46	1909.52	327.52	-19.72	628.83	51.14	12.45	PASS
5425.00†	5213.67	1374.44	392.43	5384.02	4933.47	1953.02	336.68	-19.50	645.27	52.38	12.48	PASS
5525.00†	5309.12	1403.11	400.62	5482.62	5021.49	1996.53	345.85	-19.29	661.73	53.61	12.49	PASS
5625.00†	5404.58	1431.77	408.80	5581.23	5109.50	2040.04	355.02	-19.09	678.20	54.85	12.51	PASS
5725.00†	5500.03	1460.44	416.99	5679.84	5197.52	2083.55	364.19	-18.89	694.67	56.10	12.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 125 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#02 TROUDT 26C-23-M (761'FNL & 1609'FWL, SEC.27) Well: TROUDT 26C-23-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5778.45	5285.53	2127.05	373.35	-18.71	711.15	57.35	12.54	PASS
5925.00†	5690.94	1517.77	433.36	5877.05	5373.54	2170.56	382.52	-18.53	727.64	58.60	12.56	PASS
6025.00†	5786.39	1546.43	441.54	5975.66	5461.56	2214.07	391.69	-18.36	744.13	59.86	12.57	PASS
6125.00†	5881.84	1575.10	449.73	6074.27	5549.57	2257.57	400.86	-18.20	760.63	61.12	12.58	PASS
6225.00†	5977.30	1603.77	457.91	6172.88	5637.59	2301.08	410.02	-18.05	777.14	62.38	12.59	PASS
6325.00†	6072.75	1632.43	466.10	6271.48	5725.60	2344.59	419.19	-17.90	793.65	63.64	12.60	PASS
6425.00†	6168.20	1661.10	474.28	6370.09	5813.62	2388.10	428.36	-17.76	810.17	64.91	12.61	PASS
6525.00†	6263.66	1689.76	482.47	6468.70	5901.63	2431.60	437.53	-17.63	826.69	66.18	12.62	PASS
6625.00†	6359.11	1718.43	490.65	6567.30	5989.64	2475.11	446.70	-17.50	843.21	67.46	12.62	PASS
6725.00†	6454.56	1747.09	498.84	6665.91	6077.66	2518.62	455.86	-17.37	859.74	68.73	12.63	PASS
6825.00†	6550.01	1775.76	507.02	6764.52	6165.67	2562.12	465.03	-17.25	876.27	70.01	12.63	PASS
6888.88	6610.99	1794.07	512.25	6827.51	6221.90	2589.92	470.89	-17.18	886.83	70.82	12.64	PASS
6925.00†	6645.37	1804.39	516.22	6863.12	6253.68	2605.63	474.20	-26.13	892.84	71.29	12.64	PASS
7025.00†	6738.80	1832.44	537.75	6960.89	6340.95	2648.77	483.29	-44.77	909.75	72.62	12.64	PASS
7125.00†	6827.86	1859.15	574.28	7055.56	6425.45	2690.54	492.09	-56.19	927.31	74.06	12.63	PASS
7225.00†	6910.36	1883.87	624.90	7144.81	6505.11	2729.92	500.39	-63.55	946.32	75.61	12.63	PASS
7325.00†	6984.27	1905.99	688.37	7226.44	6577.97	2765.93	507.98	-68.56	968.05	77.38	12.62	PASS
7425.00†	7047.75	1924.97	763.12	7298.43	6642.23	2797.69	514.67	-71.82	993.90	79.49	12.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 126 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1689.85	0.00	-45.63	106.57	-23.17
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1689.85	0.00	-45.63	106.57	-23.17
8.5in Open Hole	1750.00	15618.37	13868.37	1689.85	7127.00	106.57	-23.17	927.65	2571.96

**SURVEY PROGRAM - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 26C-23-M PWB
1750.00	15618.37	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 26C-23-M PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 26C-23-M PWB Offset Wellpath: TROUDT 26C-23-M PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 127 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

**Facility: SEC.27-T06N-R66W Slot: SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27) Well: TROUDT 40N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	75.13	90.00	75.13	1.56	123.61	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	75.13	90.00	75.13	1.88	80.79	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	75.13	90.00	75.13	2.30	55.47	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	0.00	75.13	74.15	75.10	2.44	50.16	PASS
325.00†	324.96	2.62	0.75	324.67	324.67	0.09	75.18	76.01	74.48	3.06	35.11	PASS
399.28†	399.12	6.66	1.90	398.21	398.19	1.47	75.95	78.05	74.23	3.59	27.88	PASS
425.00†	424.77	8.49	2.42	423.49	423.45	2.33	76.42	78.78	74.27	3.77	26.12	PASS
525.00†	524.30	17.71	5.06	522.41	522.18	7.54	79.33	81.73	74.99	4.55	20.62	PASS
625.00†	623.44	30.26	8.64	621.42	620.75	15.74	83.89	84.74	76.68	5.35	17.25	PASS
725.00†	722.07	46.13	13.17	720.52	719.02	26.92	90.11	87.71	79.36	6.26	14.79	PASS
825.00†	820.05	65.30	18.64	820.27	817.66	39.81	97.29	91.61	82.71	7.29	12.93	PASS
925.00†	917.29	87.74	25.05	919.79	916.09	52.68	104.45	97.45	86.80	8.49	11.41	PASS
1025.00†	1013.64	113.44	32.39	1018.94	1014.15	65.51	111.59	104.73	92.58	9.87	10.29	PASS
1067.21	1054.03	125.25	35.76	1060.65	1055.40	70.90	114.59	108.09	95.76	10.48	9.96	PASS
1125.00†	1109.19	141.82	40.49	1117.69	1111.81	78.27	118.69	112.63	100.80	11.30	9.66	PASS
1225.00†	1204.64	170.48	48.68	1216.39	1209.42	91.04	125.80	119.43	110.83	12.63	9.42	PASS
1325.00†	1300.09	199.15	56.86	1315.08	1307.03	103.80	132.90	125.05	122.15	13.86	9.39	PASS
1425.00†	1395.55	227.82	65.05	1413.78	1404.64	116.56	140.01	129.69	134.46	14.96	9.54	PASS
1525.00†	1491.00	256.48	73.23	1512.48	1502.25	129.33	147.11	133.55	147.49	16.00	9.75	PASS
1625.00†	1586.45	285.15	81.42	1611.18	1599.86	142.09	154.21	136.77	161.07	16.97	10.00	PASS
1725.00†	1681.91	313.81	89.60	1709.87	1697.47	154.85	161.32	139.48	175.08	17.90	10.28	PASS
1825.00†	1777.36	342.48	97.79	1808.57	1795.08	167.61	168.42	141.79	189.42	18.07	10.87	PASS
1925.00†	1872.81	371.14	105.97	1907.27	1892.69	180.38	175.52	143.78	204.02	18.02	11.75	PASS
2025.00†	1968.27	399.81	114.15	2005.97	1990.31	193.14	182.63	145.49	218.83	18.03	12.59	PASS
2125.00†	2063.72	428.48	122.34	2104.67	2087.92	205.90	189.73	147.00	233.81	18.14	13.37	PASS
2225.00†	2159.17	457.14	130.52	2203.36	2185.53	218.66	196.83	148.31	248.92	18.34	14.08	PASS
2325.00†	2254.63	485.81	138.71	2302.06	2283.14	231.43	203.94	149.48	264.15	18.62	14.71	PASS
2425.00†	2350.08	514.47	146.89	2400.76	2380.75	244.19	211.04	150.52	279.48	18.99	15.25	PASS
2525.00†	2445.53	543.14	155.08	2499.46	2478.36	256.95	218.14	151.46	294.88	19.42	15.72	PASS
2625.00†	2540.98	571.80	163.26	2598.16	2575.97	269.72	225.25	152.30	310.36	19.93	16.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 128 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27) Well: TROUDT 40N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2725.00†	2636.44	600.47	171.45	2696.85	2673.58	282.48	232.35	153.06	325.89	20.49	16.44	PASS
2825.00†	2731.89	629.13	179.63	2795.55	2771.19	295.24	239.45	153.75	341.48	21.11	16.70	PASS
2925.00†	2827.34	657.80	187.82	2894.25	2868.81	308.00	246.56	154.38	357.11	21.78	16.91	PASS
3025.00†	2922.80	686.47	196.00	2992.95	2966.42	320.77	253.66	154.96	372.78	22.49	17.08	PASS
3125.00†	3018.25	715.13	204.19	3091.64	3064.03	333.53	260.76	155.49	388.48	23.24	17.21	PASS
3225.00†	3113.70	743.80	212.37	3190.34	3161.64	346.29	267.87	155.98	404.21	24.03	17.30	PASS
3325.00†	3209.16	772.46	220.56	3289.04	3259.25	359.05	274.97	156.43	419.97	24.85	17.37	PASS
3425.00†	3304.61	801.13	228.74	3387.74	3356.86	371.82	282.07	156.85	435.76	25.70	17.41	PASS
3525.00†	3400.06	829.79	236.93	3486.44	3454.47	384.58	289.18	157.24	451.56	26.57	17.43	PASS
3625.00†	3495.52	858.46	245.11	3585.13	3552.08	397.34	296.28	157.61	467.38	27.46	17.44	PASS
3725.00†	3590.97	887.13	253.29	3683.83	3649.69	410.11	303.38	157.95	483.22	28.38	17.44	PASS
3825.00†	3686.42	915.79	261.48	3782.53	3747.31	422.87	310.49	158.27	499.08	29.31	17.42	PASS
3925.00†	3781.88	944.46	269.66	3881.23	3844.92	435.63	317.59	158.57	514.95	30.26	17.40	PASS
4025.00†	3877.33	973.12	277.85	3979.93	3942.53	448.39	324.69	158.85	530.83	31.23	17.37	PASS
4125.00†	3972.78	1001.79	286.03	4078.62	4040.14	461.16	331.80	159.11	546.73	32.21	17.34	PASS
4225.00†	4068.23	1030.45	294.22	4177.32	4137.75	473.92	338.90	159.36	562.64	33.20	17.30	PASS
4325.00†	4163.69	1059.12	302.40	4276.02	4235.36	486.68	346.01	159.60	578.55	34.20	17.25	PASS
4425.00†	4259.14	1087.78	310.59	4374.72	4332.97	499.44	353.11	159.82	594.48	35.21	17.21	PASS
4525.00†	4354.59	1116.45	318.77	4473.42	4430.58	512.21	360.21	160.04	610.41	36.23	17.16	PASS
4625.00†	4450.05	1145.12	326.96	4572.11	4528.19	524.97	367.32	160.24	626.35	37.26	17.12	PASS
4725.00†	4545.50	1173.78	335.14	4670.81	4625.81	537.73	374.42	160.43	642.30	38.29	17.07	PASS
4825.00†	4640.95	1202.45	343.33	4769.51	4723.42	550.50	381.52	160.61	658.26	39.34	17.02	PASS
4925.00†	4736.41	1231.11	351.51	4868.21	4821.03	563.26	388.63	160.79	674.22	40.39	16.97	PASS
5025.00†	4831.86	1259.78	359.70	4966.90	4918.64	576.02	395.73	160.95	690.18	41.44	16.93	PASS
5125.00†	4927.31	1288.44	367.88	5065.60	5016.25	588.78	402.83	161.11	706.16	42.50	16.88	PASS
5225.00†	5022.77	1317.11	376.07	5164.30	5113.86	601.55	409.94	161.26	722.13	43.57	16.83	PASS
5325.00†	5118.22	1345.78	384.25	5263.00	5211.47	614.31	417.04	161.40	738.11	44.64	16.79	PASS
5425.00†	5213.67	1374.44	392.43	5361.70	5309.08	627.07	424.14	161.54	754.10	45.72	16.74	PASS
5525.00†	5309.12	1403.11	400.62	5460.39	5406.69	639.83	431.25	161.68	770.09	46.79	16.69	PASS
5625.00†	5404.58	1431.77	408.80	5559.09	5504.31	652.60	438.35	161.80	786.09	47.88	16.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 129 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27) Well: TROUDT 40N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5725.00†	5500.03	1460.44	416.99	5657.79	5601.92	665.36	445.45	161.92	802.08	48.96	16.61	PASS
5825.00†	5595.48	1489.10	425.17	5756.49	5699.53	678.12	452.56	162.04	818.09	50.05	16.56	PASS
5925.00†	5690.94	1517.77	433.36	5855.19	5797.14	690.89	459.66	162.15	834.09	51.15	16.52	PASS
6025.00†	5786.39	1546.43	441.54	5953.88	5894.75	703.65	466.76	162.26	850.10	52.24	16.48	PASS
6125.00†	5881.84	1575.10	449.73	6052.58	5992.36	716.41	473.87	162.37	866.11	53.34	16.44	PASS
6225.00†	5977.30	1603.77	457.91	6151.28	6089.97	729.17	480.97	162.47	882.12	54.44	16.40	PASS
6325.00†	6072.75	1632.43	466.10	6249.98	6187.58	741.94	488.07	162.57	898.14	55.54	16.37	PASS
6425.00†	6168.20	1661.10	474.28	6348.67	6285.19	754.70	495.18	162.66	914.16	56.65	16.33	PASS
6525.00†	6263.66	1689.76	482.47	6447.37	6382.81	767.46	502.28	162.75	930.18	57.75	16.29	PASS
6625.00†	6359.11	1718.43	490.65	6545.69	6480.03	780.17	509.47	162.83	946.20	58.88	16.25	PASS
6725.00†	6454.56	1747.09	498.84	6640.51	6572.69	792.28	525.08	162.38	962.45	60.03	16.21	PASS
6825.00†	6550.01	1775.76	507.02	6731.10	6658.12	803.42	552.79	161.19	979.41	61.27	16.16	PASS
6888.88	6610.99	1794.07	512.25	6785.28	6707.07	809.79	575.11	160.14	990.96	62.04	16.15	PASS
6925.00†	6645.37	1804.39	516.22	6814.76	6732.85	813.14	589.00	149.43	997.76	62.45	16.15	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1737.16	0.00	45.80	48.78	72.95
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1737.16	0.00	45.80	48.78	72.95
8.5in Open Hole	1750.00	14835.61	13085.61	1737.16	N/A	48.78	72.95	N/A	N/A



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 130 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40N-23C-M PWB
1750.00	14835.61	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40N-23C-M PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40N-23C-M PWB Offset Wellpath: TROUDT 40N-23C-M PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 131 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) Well: EX. SCHAEFER 2-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	10.00	25.00	2637.10	2953.37	48.24	3959.38	50.19	80.42	PASS
125.00†	125.00	0.00	0.00	110.00	125.00	2637.10	2953.37	48.24	3959.38	50.47	79.96	PASS
200.00	200.00	0.00	0.00	185.00	200.00	2637.10	2953.37	48.24	3959.38	51.18	78.83	PASS
225.00†	225.00	0.10	0.03	210.00	225.00	2637.10	2953.37	32.30	3959.29	51.48	78.35	PASS
325.00†	324.96	2.62	0.75	309.96	324.96	2637.10	2953.37	32.35	3957.07	53.21	75.71	PASS
425.00†	424.77	8.49	2.42	409.77	424.77	2637.10	2953.37	32.45	3951.92	55.56	72.36	PASS
525.00†	524.30	17.71	5.06	509.30	524.30	2637.10	2953.37	32.61	3943.83	58.37	68.69	PASS
625.00†	623.44	30.26	8.64	608.44	623.44	2637.10	2953.37	32.84	3932.82	61.52	64.93	PASS
725.00†	722.07	46.13	13.17	707.07	722.07	2637.10	2953.37	33.12	3918.92	64.92	61.26	PASS
825.00†	820.05	65.30	18.64	805.05	820.05	2637.10	2953.37	33.47	3902.15	68.52	57.75	PASS
925.00†	917.29	87.74	25.05	902.29	917.29	2637.10	2953.37	33.88	3882.56	72.25	54.45	PASS
1025.00†	1013.64	113.44	32.39	998.64	1013.64	2637.10	2953.37	34.35	3860.18	76.09	51.37	PASS
1067.21	1054.03	125.25	35.76	1039.03	1054.03	2637.10	2953.37	34.57	3849.91	77.74	50.13	PASS
1125.00†	1109.19	141.82	40.49	1094.19	1109.19	2637.10	2953.37	34.72	3835.53	79.98	48.53	PASS
1225.00†	1204.64	170.48	48.68	1189.64	1204.64	2637.10	2953.37	34.97	3810.70	83.94	45.91	PASS
1325.00†	1300.09	199.15	56.86	1285.09	1300.09	2637.10	2953.37	35.22	3785.94	87.98	43.50	PASS
1425.00†	1395.55	227.82	65.05	1380.55	1395.55	2637.10	2953.37	35.48	3761.26	92.08	41.27	PASS
1525.00†	1491.00	256.48	73.23	1476.00	1491.00	2637.10	2953.37	35.74	3736.65	96.24	39.21	PASS
1625.00†	1586.45	285.15	81.42	1571.45	1586.45	2637.10	2953.37	36.01	3712.11	100.46	37.30	PASS
1725.00†	1681.91	313.81	89.60	1666.91	1681.91	2637.10	2953.37	36.28	3687.66	104.71	35.53	PASS
1825.00†	1777.36	342.48	97.79	1762.36	1777.36	2637.10	2953.37	36.55	3663.28	108.66	33.93	PASS
1925.00†	1872.81	371.14	105.97	1857.81	1872.81	2637.10	2953.37	36.82	3638.99	112.78	32.46	PASS
2025.00†	1968.27	399.81	114.15	1953.27	1968.27	2637.10	2953.37	37.10	3614.77	116.93	31.09	PASS
2125.00†	2063.72	428.48	122.34	2048.72	2063.72	2637.10	2953.37	37.38	3590.65	121.12	29.81	PASS
2225.00†	2159.17	457.14	130.52	2144.17	2159.17	2637.10	2953.37	37.67	3566.60	125.33	28.61	PASS
2325.00†	2254.63	485.81	138.71	2239.63	2254.63	2637.10	2953.37	37.96	3542.65	129.56	27.49	PASS
2425.00†	2350.08	514.47	146.89	2335.08	2350.08	2637.10	2953.37	38.25	3518.78	133.82	26.43	PASS
2525.00†	2445.53	543.14	155.08	2430.53	2445.53	2637.10	2953.37	38.55	3495.01	138.10	25.43	PASS
2625.00†	2540.98	571.80	163.26	2525.98	2540.98	2637.10	2953.37	38.85	3471.33	142.41	24.49	PASS
2725.00†	2636.44	600.47	171.45	2621.44	2636.44	2637.10	2953.37	39.16	3447.74	146.73	23.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 132 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP**

**Facility: SEC.22-T06N-R66W Slot: SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) Well: EX. SCHAEFER 2-22 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2716.89	2731.89	2637.10	2953.37	39.47	3424.26	151.07	22.77	PASS
2925.00†	2827.34	657.80	187.82	2812.34	2827.34	2637.10	2953.37	39.78	3400.87	155.43	21.98	PASS
3025.00†	2922.80	686.47	196.00	2907.80	2922.80	2637.10	2953.37	40.10	3377.58	159.81	21.22	PASS
3125.00†	3018.25	715.13	204.19	3003.25	3018.25	2637.10	2953.37	40.42	3354.39	164.21	20.51	PASS
3225.00†	3113.70	743.80	212.37	3098.70	3113.70	2637.10	2953.37	40.74	3331.31	168.62	19.84	PASS
3325.00†	3209.16	772.46	220.56	3194.16	3209.16	2637.10	2953.37	41.07	3308.34	173.05	19.19	PASS
3425.00†	3304.61	801.13	228.74	3289.61	3304.61	2637.10	2953.37	41.41	3285.48	177.50	18.58	PASS
3525.00†	3400.06	829.79	236.93	3385.06	3400.06	2637.10	2953.37	41.75	3262.73	181.96	18.00	PASS
3625.00†	3495.52	858.46	245.11	3480.52	3495.52	2637.10	2953.37	42.09	3240.10	186.43	17.44	PASS
3725.00†	3590.97	887.13	253.29	3575.97	3590.97	2637.10	2953.37	42.44	3217.58	190.92	16.91	PASS
3825.00†	3686.42	915.79	261.48	3671.42	3686.42	2637.10	2953.37	42.79	3195.18	195.42	16.41	PASS
3925.00†	3781.88	944.46	269.66	3766.88	3781.88	2637.10	2953.37	43.15	3172.90	199.93	15.92	PASS
4025.00†	3877.33	973.12	277.85	3862.33	3877.33	2637.10	2953.37	43.52	3150.75	204.46	15.46	PASS
4125.00†	3972.78	1001.79	286.03	3957.78	3972.78	2637.10	2953.37	43.88	3128.72	208.99	15.02	PASS
4225.00†	4068.23	1030.45	294.22	4053.23	4068.23	2637.10	2953.37	44.26	3106.83	213.54	14.59	PASS
4325.00†	4163.69	1059.12	302.40	4148.69	4163.69	2637.10	2953.37	44.63	3085.07	218.10	14.19	PASS
4425.00†	4259.14	1087.78	310.59	4244.14	4259.14	2637.10	2953.37	45.02	3063.44	222.67	13.80	PASS
4525.00†	4354.59	1116.45	318.77	4339.59	4354.59	2637.10	2953.37	45.41	3041.95	227.25	13.42	PASS
4625.00†	4450.05	1145.12	326.96	4435.05	4450.05	2637.10	2953.37	45.80	3020.60	231.84	13.07	PASS
4725.00†	4545.50	1173.78	335.14	4530.50	4545.50	2637.10	2953.37	46.20	2999.40	236.45	12.72	PASS
4825.00†	4640.95	1202.45	343.33	4625.95	4640.95	2637.10	2953.37	46.60	2978.35	241.06	12.39	PASS
4925.00†	4736.41	1231.11	351.51	4721.41	4736.41	2637.10	2953.37	47.01	2957.44	245.67	12.07	PASS
5025.00†	4831.86	1259.78	359.70	4816.86	4831.86	2637.10	2953.37	47.43	2936.69	250.30	11.76	PASS
5125.00†	4927.31	1288.44	367.88	4912.31	4927.31	2637.10	2953.37	47.85	2916.10	254.94	11.47	PASS
5225.00†	5022.77	1317.11	376.07	5007.77	5022.77	2637.10	2953.37	48.27	2895.66	259.58	11.18	PASS
5325.00†	5118.22	1345.78	384.25	5103.22	5118.22	2637.10	2953.37	48.71	2875.39	264.24	10.91	PASS
5425.00†	5213.67	1374.44	392.43	5198.67	5213.67	2637.10	2953.37	49.14	2855.29	268.90	10.64	PASS
5525.00†	5309.12	1403.11	400.62	5294.12	5309.12	2637.10	2953.37	49.59	2835.36	273.56	10.39	PASS
5625.00†	5404.58	1431.77	408.80	5389.58	5404.58	2637.10	2953.37	50.04	2815.60	278.24	10.14	PASS
5725.00†	5500.03	1460.44	416.99	5485.03	5500.03	2637.10	2953.37	50.49	2796.02	282.92	9.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 133 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) Well: EX. SCHAEFER 2-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5580.48	5595.48	2637.10	2953.37	50.95	2776.63	287.61	9.68	PASS
5925.00†	5690.94	1517.77	433.36	5675.94	5690.94	2637.10	2953.37	51.42	2757.42	292.30	9.45	PASS
6025.00†	5786.39	1546.43	441.54	5771.39	5786.39	2637.10	2953.37	51.90	2738.40	297.00	9.24	PASS
6125.00†	5881.84	1575.10	449.73	5866.84	5881.84	2637.10	2953.37	52.38	2719.57	301.71	9.03	PASS
6225.00†	5977.30	1603.77	457.91	5962.30	5977.30	2637.10	2953.37	52.86	2700.94	306.42	8.83	PASS
6325.00†	6072.75	1632.43	466.10	6057.75	6072.75	2637.10	2953.37	53.36	2682.51	311.14	8.64	PASS
6425.00†	6168.20	1661.10	474.28	6153.20	6168.20	2637.10	2953.37	53.85	2664.29	315.87	8.45	PASS
6525.00†	6263.66	1689.76	482.47	6248.66	6263.66	2637.10	2953.37	54.36	2646.28	320.60	8.27	PASS
6625.00†	6359.11	1718.43	490.65	6344.11	6359.11	2637.10	2953.37	54.87	2628.48	325.33	8.09	PASS
6725.00†	6454.56	1747.09	498.84	6439.56	6454.56	2637.10	2953.37	55.39	2610.91	330.07	7.93	PASS
6825.00†	6550.01	1775.76	507.02	6535.01	6550.01	2637.10	2953.37	55.92	2593.55	334.81	7.76	PASS
6888.88	6610.99	1794.07	512.25	6595.99	6610.99	2637.10	2953.37	56.26	2582.59	337.85	7.66	PASS
6925.00†	6645.37	1804.39	516.22	6630.37	6645.37	2637.10	2953.37	46.76	2575.47	339.56	7.60	PASS
7025.00†	6738.80	1832.44	537.75	6723.80	6738.80	2637.10	2953.37	26.87	2546.11	344.42	7.41	PASS
7125.00†	6827.86	1859.15	574.28	6812.86	6827.86	2637.10	2953.37	14.37	2503.05	349.43	7.18	PASS
7225.00†	6910.36	1883.87	624.90	6895.36	6910.36	2637.10	2953.37	5.59	2447.27	354.01	6.92	PASS
7325.00†	6984.27	1905.99	688.37	6969.27	6984.27	2637.10	2953.37	-1.93	2380.07	358.03	6.66	PASS
7425.00†	7047.75	1924.97	763.12	7032.75	7047.75	2637.10	2953.37	-10.01	2303.11	361.39	6.38	PASS
7525.00†	7099.27	1940.34	847.32	7084.27	7099.27	2637.10	2953.37	-20.68	2218.31	364.00	6.10	PASS
7625.00†	7137.53	1951.72	938.90	7122.53	7137.53	2637.10	2953.37	-36.80	2127.87	365.84	5.83	PASS
7725.00†	7161.61	1958.83	1035.59	7146.61	7161.61	2637.10	2953.37	-60.70	2034.19	366.90	5.55	PASS
7825.00†	7170.90	1961.50	1135.02	7155.90	7170.90	2637.10	2953.37	-87.20	1939.80	367.22	5.29	PASS
7840.20	7171.00	1961.51	1150.22	7156.00	7171.00	2637.10	2953.37	-90.74	1925.56	367.21	5.25	PASS
7925.00†	7170.58	1961.28	1235.02	7155.58	7170.58	2637.10	2953.37	-90.71	1846.48	367.15	5.04	PASS
8025.00†	7170.10	1961.00	1335.01	7155.10	7170.10	2637.10	2953.37	-90.67	1753.90	367.19	4.78	PASS
8125.00†	7169.61	1960.73	1435.01	7154.61	7169.61	2637.10	2953.37	-90.63	1662.19	367.39	4.53	PASS
8225.00†	7169.12	1960.46	1535.01	7154.12	7169.12	2637.10	2953.37	-90.58	1571.49	367.80	4.28	PASS
8325.00†	7168.63	1960.18	1635.01	7153.63	7168.63	2637.10	2953.37	-90.54	1481.99	368.51	4.03	PASS
8425.00†	7168.14	1959.91	1735.01	7153.14	7168.14	2637.10	2953.37	-90.50	1393.91	369.58	3.78	PASS
8525.00†	7167.65	1959.64	1835.01	7152.65	7167.65	2637.10	2953.37	-90.46	1307.55	371.12	3.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 134 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) Well: EX. SCHAEFER 2-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7152.16	7167.16	2637.10	2953.37	-90.42	1223.27	373.25	3.28	PASS
8725.00†	7166.67	1959.09	2035.00	7151.67	7166.67	2637.10	2953.37	-90.38	1141.53	376.10	3.04	PASS
8825.00†	7166.18	1958.82	2135.00	7151.18	7166.18	2637.10	2953.37	-90.34	1062.91	379.82	2.80	PASS
8925.00†	7165.69	1958.55	2235.00	7150.69	7165.69	2637.10	2953.37	-90.30	988.17	384.53	2.57	PASS
9025.00†	7165.20	1958.27	2335.00	7150.20	7165.20	2637.10	2953.37	-90.25	918.25	390.35	2.35	PASS
9125.00†	7164.71	1958.00	2435.00	7149.71	7164.71	2637.10	2953.37	-90.21	854.33	397.29	2.15	PASS
9225.00†	7164.22	1957.73	2534.99	7149.22	7164.22	2637.10	2953.37	-90.17	797.86	405.29	1.97	PASS
9325.00†	7163.73	1957.46	2634.99	7148.73	7163.73	2637.10	2953.37	-90.13	750.52	414.05	1.81	PASS
9425.00†	7163.24	1957.18	2734.99	7148.24	7163.24	2637.10	2953.37	-90.09	714.13	423.07	1.69	PASS
9525.00†	7162.75	1956.91	2834.99	7147.75	7162.75	2637.10	2953.37	-90.05	690.41	431.58	1.60	PASS
9625.00†	7162.26	1956.64	2934.99	7147.26	7162.26	2637.10	2953.37	-90.01	680.71	438.76	1.55	PASS
9641.09†	7162.18	1956.59	2951.08	7148.44	7163.44	2637.10	2953.37	-90.11	680.51	439.79	1.55	PASS
9692.03†	7161.93	1956.45	3002.02	7146.93	7161.93	2637.10	2953.37	-89.98	682.38	442.48	1.54	PASS
9725.00†	7161.77	1956.36	3034.99	7146.77	7161.77	2637.10	2953.37	-89.97	685.61	443.94	1.55	PASS
9825.00†	7161.28	1956.09	3134.99	7146.28	7161.28	2637.10	2953.37	-89.92	704.81	446.82	1.58	PASS
9925.00†	7160.79	1955.82	3234.98	7145.79	7160.79	2637.10	2953.37	-89.88	737.19	447.56	1.65	PASS
10025.00†	7160.30	1955.55	3334.98	7145.30	7160.30	2637.10	2953.37	-89.84	781.12	446.61	1.75	PASS
10125.00†	7159.81	1955.27	3434.98	7144.81	7159.81	2637.10	2953.37	-89.80	834.77	444.52	1.88	PASS
10225.00†	7159.32	1955.00	3534.98	7144.32	7159.32	2637.10	2953.37	-89.76	896.40	441.75	2.03	PASS
10325.00†	7158.83	1954.73	3634.98	7143.83	7158.83	2637.10	2953.37	-89.72	964.48	438.68	2.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 135 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH COMPOSITION - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment Wellbore
0.00	7290.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7290> EX. SCHAEFER 2-22 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP	
MD Reference: Rig on SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 136 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#04 HOOD 11N-22A-M (705'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	14142.61	6901.11	2555.79	-149.56	-3.35	7337.26	157.41	46.88	PASS	
125.00†	125.00	0.00	0.00	14143.86	6901.13	2555.81	-148.30	-3.32	7243.63	159.05	45.80	PASS	
200.00	200.00	0.00	0.00	14144.80	6901.15	2555.83	-147.36	-3.30	7173.52	160.00	45.09	PASS	
225.00†	225.00	0.10	0.03	14145.14	6901.15	2555.83	-147.02	-19.67	7150.13	160.32	44.85	PASS	
325.00†	324.96	2.62	0.75	14147.04	6901.18	2555.87	-145.12	-21.59	7055.99	161.57	43.91	PASS	
425.00†	424.77	8.49	2.42	14149.80	6901.22	2555.92	-142.37	-23.88	6960.95	162.77	43.00	PASS	
525.00†	524.30	17.71	5.06	14153.41	6901.28	2555.98	-138.76	-26.65	6865.08	163.91	42.11	PASS	
625.00†	623.44	30.26	8.64	14157.87	6901.35	2556.07	-134.30	-30.07	6768.47	164.97	41.25	PASS	
725.00†	722.07	46.13	13.17	14163.19	6901.43	2556.17	-128.97	-34.34	6671.21	165.96	40.42	PASS	
825.00†	820.05	65.30	18.64	14169.37	6901.52	2556.29	-122.80	-39.79	6573.38	166.86	39.61	PASS	
925.00†	917.29	87.74	25.05	14176.41	6901.63	2556.42	-115.77	-46.85	6475.07	167.68	38.82	PASS	
1025.00†	1013.64	113.44	32.39	14184.29	6901.75	2556.58	-107.88	-56.01	6376.40	168.40	38.07	PASS	
1067.21	1054.03	125.25	35.76	14187.88	6901.81	2556.65	-104.30	-60.62	6334.65	168.68	37.75	PASS	
1125.00†	1109.19	141.82	40.49	14192.90	6901.89	2556.75	-99.28	-60.40	6277.48	169.04	37.33	PASS	
1225.00†	1204.64	170.48	48.68	14201.61	6902.02	2556.93	-90.57	-60.01	6178.57	169.69	36.60	PASS	
1325.00†	1300.09	199.15	56.86	14210.35	6902.16	2557.12	-81.83	-59.61	6079.67	170.36	35.87	PASS	
1425.00†	1395.55	227.82	65.05	14219.14	6902.30	2557.31	-73.05	-59.21	5980.79	171.05	35.15	PASS	
1525.00†	1491.00	256.48	73.23	14227.96	6902.44	2557.50	-64.23	-58.80	5881.94	171.76	34.42	PASS	
1625.00†	1586.45	285.15	81.42	14235.95	6902.57	2557.68	-56.24	-58.42	5783.11	172.48	33.70	PASS	
1725.00†	1681.91	313.81	89.60	14243.54	6902.69	2557.85	-48.65	-58.05	5684.31	173.22	32.99	PASS	
1825.00†	1777.36	342.48	97.79	14251.19	6902.82	2558.04	-41.01	-57.68	5585.54	173.77	32.27	PASS	
1925.00†	1872.81	371.14	105.97	14258.90	6902.94	2558.23	-33.30	-57.31	5486.80	174.54	31.56	PASS	
2025.00†	1968.27	399.81	114.15	14266.67	6903.07	2558.43	-25.54	-56.92	5388.09	175.33	30.85	PASS	
2125.00†	2063.72	428.48	122.34	14274.50	6903.21	2558.64	-17.71	-56.53	5289.41	176.16	30.14	PASS	
2225.00†	2159.17	457.14	130.52	14282.39	6903.34	2558.86	-9.83	-56.13	5190.77	177.01	29.44	PASS	
2325.00†	2254.63	485.81	138.71	14290.34	6903.48	2559.09	-1.88	-55.72	5092.16	177.90	28.73	PASS	
2425.00†	2350.08	514.47	146.89	14298.35	6903.61	2559.33	6.13	-55.30	4993.59	178.81	28.03	PASS	
2525.00†	2445.53	543.14	155.08	14306.43	6903.76	2559.57	14.20	-54.87	4895.06	179.76	27.33	PASS	
2625.00†	2540.98	571.80	163.26	14417.20	6904.47	2562.79	124.92	-48.48	4796.40	182.85	26.33	PASS	
2725.00†	2636.44	600.47	171.45	14420.57	6904.46	2562.89	128.29	-48.27	4697.76	183.79	25.65	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 137 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#04 HOOD 11N-22A-M (705'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14424.02	6904.44	2562.99	131.74	-48.05	4599.16	184.78	24.98	PASS
2925.00†	2827.34	657.80	187.82	14427.55	6904.43	2563.11	135.26	-47.83	4500.63	185.80	24.31	PASS
3025.00†	2922.80	686.47	196.00	14431.15	6904.43	2563.23	138.86	-47.60	4402.15	186.87	23.64	PASS
3125.00†	3018.25	715.13	204.19	14434.85	6904.42	2563.36	142.56	-47.37	4303.73	187.99	22.98	PASS
3225.00†	3113.70	743.80	212.37	14438.62	6904.42	2563.50	146.33	-47.12	4205.38	189.17	22.31	PASS
3325.00†	3209.16	772.46	220.56	14442.49	6904.42	2563.65	150.19	-46.87	4107.10	190.40	21.65	PASS
3425.00†	3304.61	801.13	228.74	14446.45	6904.42	2563.81	154.15	-46.62	4008.89	191.68	20.99	PASS
3525.00†	3400.06	829.79	236.93	14450.50	6904.42	2563.98	158.20	-46.35	3910.77	193.04	20.33	PASS
3625.00†	3495.52	858.46	245.11	14454.66	6904.43	2564.16	162.35	-46.08	3812.73	194.46	19.67	PASS
3725.00†	3590.97	887.13	253.29	14458.91	6904.44	2564.35	166.60	-45.80	3714.79	195.95	19.02	PASS
3825.00†	3686.42	915.79	261.48	14463.28	6904.45	2564.55	170.96	-45.51	3616.95	197.53	18.37	PASS
3925.00†	3781.88	944.46	269.66	14467.76	6904.47	2564.77	175.43	-45.21	3519.22	199.19	17.73	PASS
4025.00†	3877.33	973.12	277.85	14472.35	6904.49	2565.00	180.02	-44.90	3421.61	200.94	17.08	PASS
4125.00†	3972.78	1001.79	286.03	14477.06	6904.52	2565.25	184.73	-44.58	3324.12	202.79	16.45	PASS
4225.00†	4068.23	1030.45	294.22	14481.90	6904.55	2565.51	189.56	-44.25	3226.77	204.75	15.81	PASS
4325.00†	4163.69	1059.12	302.40	14486.86	6904.59	2565.79	194.51	-43.91	3129.57	206.83	15.18	PASS
4425.00†	4259.14	1087.78	310.59	14491.96	6904.63	2566.09	199.61	-43.55	3032.54	209.04	14.55	PASS
4525.00†	4354.59	1116.45	318.77	14497.20	6904.68	2566.41	204.84	-43.19	2935.69	211.39	13.93	PASS
4625.00†	4450.05	1145.12	326.96	14505.79	6904.76	2566.94	213.41	-42.59	2839.03	213.97	13.31	PASS
4725.00†	4545.50	1173.78	335.14	14515.08	6904.86	2567.51	222.68	-41.93	2742.58	216.74	12.69	PASS
4825.00†	4640.95	1202.45	343.33	14524.52	6904.98	2568.08	232.10	-41.26	2646.35	219.70	12.08	PASS
4925.00†	4736.41	1231.11	351.51	14534.10	6905.10	2568.66	241.66	-40.57	2550.36	222.86	11.48	PASS
5025.00†	4831.86	1259.78	359.70	14543.84	6905.24	2569.24	251.38	-39.86	2454.66	226.24	10.88	PASS
5125.00†	4927.31	1288.44	367.88	14553.73	6905.40	2569.82	261.25	-39.13	2359.26	229.88	10.29	PASS
5225.00†	5022.77	1317.11	376.07	14563.78	6905.56	2570.40	271.29	-38.38	2264.21	233.79	9.71	PASS
5325.00†	5118.22	1345.78	384.25	14573.99	6905.75	2570.98	281.48	-37.62	2169.55	238.02	9.14	PASS
5425.00†	5213.67	1374.44	392.43	14584.37	6905.94	2571.57	291.84	-36.83	2075.34	242.59	8.58	PASS
5525.00†	5309.12	1403.11	400.62	14596.78	6906.19	2572.26	304.23	-35.89	1981.62	247.60	8.02	PASS
5625.00†	5404.58	1431.77	408.80	14609.73	6906.44	2572.97	317.16	-34.89	1888.48	253.06	7.48	PASS
5725.00†	5500.03	1460.44	416.99	14622.57	6906.69	2573.67	329.98	-33.89	1795.98	259.01	6.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 138 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#04 HOOD 11N-22A-M (705'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14635.30	6906.93	2574.35	342.69	-32.88	1704.25	265.50	6.43	PASS
5925.00†	5690.94	1517.77	433.36	14647.93	6907.16	2575.02	355.29	-31.88	1613.41	272.60	5.93	PASS
6025.00†	5786.39	1546.43	441.54	14660.45	6907.39	2575.67	367.79	-30.88	1523.62	280.39	5.45	PASS
6125.00†	5881.84	1575.10	449.73	14672.86	6907.62	2576.31	380.18	-29.88	1435.09	288.95	4.98	PASS
6225.00†	5977.30	1603.77	457.91	14683.54	6907.81	2576.86	390.85	-29.01	1348.06	298.30	4.53	PASS
6325.00†	6072.75	1632.43	466.10	14693.46	6907.99	2577.38	400.76	-28.19	1262.86	308.57	4.10	PASS
6425.00†	6168.20	1661.10	474.28	14703.47	6908.17	2577.92	410.75	-27.37	1179.89	319.83	3.70	PASS
6525.00†	6263.66	1689.76	482.47	14713.57	6908.35	2578.47	420.83	-26.53	1099.65	332.12	3.32	PASS
6625.00†	6359.11	1718.43	490.65	14723.76	6908.54	2579.05	431.01	-25.69	1022.79	345.39	2.97	PASS
6725.00†	6454.56	1747.09	498.84	14734.05	6908.73	2579.65	441.27	-24.83	950.12	359.46	2.65	PASS
6825.00†	6550.01	1775.76	507.02	14744.43	6908.92	2580.27	451.63	-23.96	882.68	373.92	2.36	PASS
6888.88	6610.99	1794.07	512.25	14751.11	6909.04	2580.68	458.30	-23.40	842.91	383.04	2.20	PASS
6925.00†	6645.37	1804.39	516.22	14755.81	6909.13	2580.97	462.99	-34.78	821.87	388.06	2.12	PASS
7025.00†	6738.80	1832.44	537.75	14790.02	6909.81	2582.96	497.13	-56.75	770.83	401.63	1.92	PASS
7125.00†	6827.86	1859.15	574.28	14857.65	6911.60	2584.90	564.71	-66.94	730.63	413.32	1.77	PASS
7225.00†	6910.36	1883.87	624.90	14906.11	6914.09	2585.53	613.10	-73.11	701.77	419.91	1.67	PASS
7325.00†	6984.27	1905.99	688.37	14973.54	6920.38	2586.89	680.22	-75.06	683.94	423.21	1.62	PASS
7425.00†	7047.75	1924.97	763.12	15069.88	6930.37	2588.52	776.02	-74.10	673.97	424.93	1.59	PASS
7525.00†	7099.27	1940.34	847.32	15220.00	6940.74	2579.03	925.34	-70.49	662.68	424.54	1.56	PASS
7597.81†	7128.50	1949.04	913.40	15220.00	6940.74	2579.03	925.34	-71.86	657.49	425.28	1.55	PASS
7607.77†	7131.93	1950.05	922.69	15220.00	6940.74	2579.03	925.34	-71.97	657.40	425.15	1.55	PASS
7625.00†	7137.53	1951.72	938.90	15220.00	6940.74	2579.03	925.34	-72.12	657.59	424.77	1.55	PASS
7725.00†	7161.61	1958.83	1035.59	15220.00	6940.74	2579.03	925.34	-71.88	667.52	419.41	1.59	PASS
7825.00†	7170.90	1961.50	1135.02	15220.00	6940.74	2579.03	925.34	-69.89	691.58	409.42	1.69	PASS
7840.20	7171.00	1961.51	1150.22	15220.00	6940.74	2579.03	925.34	-69.44	696.36	407.60	1.71	PASS
7925.00†	7170.58	1961.28	1235.02	15220.00	6940.74	2579.03	925.34	-69.44	728.25	395.65	1.84	PASS
8025.00†	7170.10	1961.00	1335.01	15220.00	6940.74	2579.03	925.34	-69.44	776.14	378.55	2.05	PASS
8125.00†	7169.61	1960.73	1435.01	15220.00	6940.74	2579.03	925.34	-69.44	833.33	360.01	2.32	PASS
8225.00†	7169.12	1960.46	1535.01	15220.00	6940.74	2579.03	925.34	-69.44	898.05	341.44	2.63	PASS
8325.00†	7168.63	1960.18	1635.01	15220.00	6940.74	2579.03	925.34	-69.44	968.78	323.70	3.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 139 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1763.00	1738.00	10.00	1735.40	825.37	-4936.85	861.81	-4918.51
9.625in Casing Intermediate	25.00	1763.00	1738.00	10.00	1735.40	825.37	-4936.85	861.81	-4918.51
8.5in Open Hole	1763.00	15220.00	13457.00	1735.40	6940.74	861.81	-4918.51	1198.27	-2186.19

## WELLPATH COMPOSITION - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5 (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 11N-22A-M AWB
1712.00	15196.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-15196>	HOOD 11N-22A-M AWB
15196.00	15220.00	Blind Drilling (std)	Projection to bit	HOOD 11N-22A-M AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 11N-22A-M AWB Offset Wellpath: HOOD 11N-22A-M AWP

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 140 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#13 TROUDT 26N-26B-L (860'FNL & 1760'FWL, SEC.27) Well: TROUDT 26N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-100.19	75.13	143.13	125.23	1.56	207.11	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-100.19	75.13	143.13	125.23	1.89	134.21	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-100.19	75.13	143.13	125.23	2.31	92.47	PASS
225.00†	225.00	0.10	0.03	226.09	226.09	-100.12	75.03	127.26	125.18	2.46	83.11	PASS
325.00†	324.96	2.62	0.75	330.37	330.33	-98.43	72.74	128.65	124.19	3.58	47.17	PASS
425.00†	424.77	8.49	2.42	434.33	434.07	-94.50	67.42	131.98	122.14	5.24	28.32	PASS
525.00†	524.30	17.71	5.06	537.69	536.91	-88.39	59.13	137.34	119.75	6.57	21.20	PASS
625.00†	623.44	30.26	8.64	640.22	638.49	-80.16	47.96	144.80	118.17	7.75	17.28	PASS
651.02†	649.16	34.07	9.73	666.94	664.87	-77.66	44.56	147.08	118.08	8.03	16.57	PASS
725.00†	722.07	46.13	13.17	741.67	738.45	-69.89	34.03	154.13	119.02	8.80	15.07	PASS
825.00†	820.05	65.30	18.64	839.39	834.39	-58.87	19.08	163.90	125.00	9.63	14.30	PASS
925.00†	917.29	87.74	25.05	936.40	929.63	-47.93	4.23	172.73	137.82	10.55	14.28	PASS
1025.00†	1013.64	113.44	32.39	1032.78	1024.25	-37.06	-10.53	179.98	156.85	11.59	14.67	PASS
1067.21	1054.03	125.25	35.76	1073.24	1063.97	-32.49	-16.72	-177.46	166.54	12.13	14.83	PASS
1125.00†	1109.19	141.82	40.49	1128.54	1118.26	-26.25	-25.18	-174.42	180.68	12.44	15.66	PASS
1225.00†	1204.64	170.48	48.68	1224.23	1212.21	-15.46	-39.83	-170.15	206.07	13.33	16.59	PASS
1325.00†	1300.09	199.15	56.86	1319.93	1306.16	-4.66	-54.48	-166.81	232.32	14.27	17.38	PASS
1425.00†	1395.55	227.82	65.05	1415.62	1400.10	6.13	-69.13	-164.15	259.16	15.27	18.05	PASS
1525.00†	1491.00	256.48	73.23	1511.31	1494.05	16.93	-83.77	-161.98	286.44	16.32	18.59	PASS
1625.00†	1586.45	285.15	81.42	1607.00	1588.00	27.73	-98.42	-160.19	314.02	17.40	19.04	PASS
1725.00†	1681.91	313.81	89.60	1702.70	1681.94	38.52	-113.07	-158.69	341.85	18.52	19.42	PASS
1825.00†	1777.36	342.48	97.79	1798.39	1775.89	49.32	-127.72	-157.41	369.86	18.98	20.21	PASS
1925.00†	1872.81	371.14	105.97	1894.08	1869.84	60.11	-142.37	-156.31	398.02	19.20	21.49	PASS
2025.00†	1968.27	399.81	114.15	1989.78	1963.78	70.91	-157.01	-155.36	426.30	19.39	22.78	PASS
2125.00†	2063.72	428.48	122.34	2085.47	2057.73	81.71	-171.66	-154.53	454.67	19.65	23.96	PASS
2225.00†	2159.17	457.14	130.52	2181.16	2151.68	92.50	-186.31	-153.79	483.12	19.98	25.04	PASS
2325.00†	2254.63	485.81	138.71	2276.85	2245.62	103.30	-200.96	-153.13	511.63	20.36	26.00	PASS
2425.00†	2350.08	514.47	146.89	2372.55	2339.57	114.09	-215.61	-152.55	540.20	20.80	26.85	PASS
2525.00†	2445.53	543.14	155.08	2468.24	2433.52	124.89	-230.25	-152.02	568.82	21.30	27.59	PASS
2625.00†	2540.98	571.80	163.26	2563.93	2527.46	135.68	-244.90	-151.54	597.48	21.85	28.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 141 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#13 TROUDT 26N-26B-L (860'FNL & 1760'FWL, SEC.27) Well: TROUDT 26N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2725.00†	2636.44	600.47	171.45	2659.62	2621.41	146.48	-259.55	-151.11	626.17	22.44	28.78	PASS
2825.00†	2731.89	629.13	179.63	2755.32	2715.36	157.28	-274.20	-150.71	654.89	23.08	29.25	PASS
2925.00†	2827.34	657.80	187.82	2851.01	2809.30	168.07	-288.84	-150.35	683.64	23.75	29.63	PASS
3025.00†	2922.80	686.47	196.00	2946.70	2903.25	178.87	-303.49	-150.02	712.41	24.47	29.95	PASS
3125.00†	3018.25	715.13	204.19	3042.39	2997.20	189.66	-318.14	-149.71	741.20	25.22	30.21	PASS
3225.00†	3113.70	743.80	212.37	3138.09	3091.14	200.46	-332.79	-149.43	770.01	25.99	30.42	PASS
3325.00†	3209.16	772.46	220.56	3233.78	3185.09	211.26	-347.44	-149.16	798.84	26.80	30.59	PASS
3425.00†	3304.61	801.13	228.74	3329.47	3279.04	222.05	-362.08	-148.92	827.68	27.63	30.71	PASS
3525.00†	3400.06	829.79	236.93	3425.16	3372.98	232.85	-376.73	-148.69	856.54	28.49	30.80	PASS
3625.00†	3495.52	858.46	245.11	3520.86	3466.93	243.64	-391.38	-148.48	885.40	29.37	30.87	PASS
3725.00†	3590.97	887.13	253.29	3616.55	3560.87	254.44	-406.03	-148.28	914.28	30.27	30.91	PASS
3825.00†	3686.42	915.79	261.48	3712.24	3654.82	265.23	-420.67	-148.09	943.16	31.18	30.93	PASS
3925.00†	3781.88	944.46	269.66	3807.94	3748.77	276.03	-435.32	-147.91	972.06	32.11	30.93	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1728.38	-61.07	45.80	-17.17	-13.77
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1728.38	-61.07	45.80	-17.17	-13.77
8.5in Open Hole	1750.00	16500.84	14750.84	1728.38	6947.00	-17.17	-13.77	167.72	2720.79



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 142 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 26N-26B-L PWB
1750.00	16500.84	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 26N-26B-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 143 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL) Well: EX. BARNEY 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	15.00	25.00	2892.53	5368.31	61.68	6097.99	50.20	123.84	PASS
125.00†	125.00	0.00	0.00	115.00	125.00	2892.53	5368.31	61.68	6097.99	50.52	123.04	PASS
200.00	200.00	0.00	0.00	190.00	200.00	2892.53	5368.31	61.68	6097.99	51.22	121.31	PASS
225.00†	225.00	0.10	0.03	215.00	225.00	2892.53	5368.31	45.75	6097.92	51.56	120.49	PASS
325.00†	324.96	2.62	0.75	314.96	324.96	2892.53	5368.31	45.79	6096.09	53.32	116.41	PASS
425.00†	424.77	8.49	2.42	414.77	424.77	2892.53	5368.31	45.90	6091.83	55.68	111.32	PASS
525.00†	524.30	17.71	5.06	514.30	524.30	2892.53	5368.31	46.06	6085.16	58.49	105.77	PASS
625.00†	623.44	30.26	8.64	613.44	623.44	2892.53	5368.31	46.28	6076.08	61.64	100.12	PASS
725.00†	722.07	46.13	13.17	712.07	722.07	2892.53	5368.31	46.56	6064.61	65.05	94.62	PASS
825.00†	820.05	65.30	18.64	810.05	820.05	2892.53	5368.31	46.90	6050.80	68.65	89.38	PASS
925.00†	917.29	87.74	25.05	907.29	917.29	2892.53	5368.31	47.29	6034.67	72.39	84.47	PASS
1025.00†	1013.64	113.44	32.39	1003.64	1013.64	2892.53	5368.31	47.75	6016.26	76.24	79.91	PASS
1067.21	1054.03	125.25	35.76	1044.03	1054.03	2892.53	5368.31	47.97	6007.82	77.89	78.08	PASS
1125.00†	1109.19	141.82	40.49	1099.19	1109.19	2892.53	5368.31	48.09	5996.00	80.16	75.70	PASS
1225.00†	1204.64	170.48	48.68	1194.64	1204.64	2892.53	5368.31	48.29	5975.62	84.16	71.82	PASS
1325.00†	1300.09	199.15	56.86	1290.09	1300.09	2892.53	5368.31	48.50	5955.32	88.24	68.22	PASS
1425.00†	1395.55	227.82	65.05	1385.55	1395.55	2892.53	5368.31	48.71	5935.09	92.40	64.90	PASS
1525.00†	1491.00	256.48	73.23	1481.00	1491.00	2892.53	5368.31	48.92	5914.95	96.62	61.83	PASS
1625.00†	1586.45	285.15	81.42	1576.45	1586.45	2892.53	5368.31	49.14	5894.89	100.89	58.98	PASS
1725.00†	1681.91	313.81	89.60	1671.91	1681.91	2892.53	5368.31	49.35	5874.91	105.22	56.34	PASS
1825.00†	1777.36	342.48	97.79	1767.36	1777.36	2892.53	5368.31	49.57	5855.02	109.19	53.96	PASS
1925.00†	1872.81	371.14	105.97	1862.81	1872.81	2892.53	5368.31	49.78	5835.21	113.32	51.81	PASS
2025.00†	1968.27	399.81	114.15	1958.27	1968.27	2892.53	5368.31	50.00	5815.48	117.47	49.80	PASS
2125.00†	2063.72	428.48	122.34	2053.72	2063.72	2892.53	5368.31	50.22	5795.84	121.65	47.92	PASS
2225.00†	2159.17	457.14	130.52	2149.17	2159.17	2892.53	5368.31	50.44	5776.29	125.86	46.15	PASS
2325.00†	2254.63	485.81	138.71	2244.63	2254.63	2892.53	5368.31	50.67	5756.83	130.10	44.49	PASS
2425.00†	2350.08	514.47	146.89	2340.08	2350.08	2892.53	5368.31	50.89	5737.45	134.35	42.92	PASS
2525.00†	2445.53	543.14	155.08	2435.53	2445.53	2892.53	5368.31	51.11	5718.17	138.64	41.45	PASS
2625.00†	2540.98	571.80	163.26	2530.98	2540.98	2892.53	5368.31	51.34	5698.97	142.94	40.06	PASS
2725.00†	2636.44	600.47	171.45	2626.44	2636.44	2892.53	5368.31	51.57	5679.87	147.26	38.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 144 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL) Well: EX. BARNEY 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2721.89	2731.89	2892.53	5368.31	51.80	5660.86	151.60	37.51	PASS
2925.00†	2827.34	657.80	187.82	2817.34	2827.34	2892.53	5368.31	52.03	5641.95	155.96	36.34	PASS
3025.00†	2922.80	686.47	196.00	2912.80	2922.80	2892.53	5368.31	52.26	5623.12	160.34	35.22	PASS
3125.00†	3018.25	715.13	204.19	3008.25	3018.25	2892.53	5368.31	52.50	5604.40	164.73	34.16	PASS
3225.00†	3113.70	743.80	212.37	3103.70	3113.70	2892.53	5368.31	52.73	5585.77	169.15	33.16	PASS
3325.00†	3209.16	772.46	220.56	3199.16	3209.16	2892.53	5368.31	52.97	5567.23	173.57	32.20	PASS
3425.00†	3304.61	801.13	228.74	3294.61	3304.61	2892.53	5368.31	53.21	5548.80	178.02	31.29	PASS
3525.00†	3400.06	829.79	236.93	3390.06	3400.06	2892.53	5368.31	53.45	5530.46	182.47	30.42	PASS
3625.00†	3495.52	858.46	245.11	3485.52	3495.52	2892.53	5368.31	53.69	5512.23	186.94	29.59	PASS
3725.00†	3590.97	887.13	253.29	3580.97	3590.97	2892.53	5368.31	53.93	5494.09	191.43	28.80	PASS
3825.00†	3686.42	915.79	261.48	3676.42	3686.42	2892.53	5368.31	54.18	5476.06	195.93	28.05	PASS
3925.00†	3781.88	944.46	269.66	3771.88	3781.88	2892.53	5368.31	54.43	5458.13	200.44	27.32	PASS
4025.00†	3877.33	973.12	277.85	3867.33	3877.33	2892.53	5368.31	54.67	5440.31	204.96	26.63	PASS
4125.00†	3972.78	1001.79	286.03	3962.78	3972.78	2892.53	5368.31	54.92	5422.59	209.50	25.97	PASS
4225.00†	4068.23	1030.45	294.22	4058.23	4068.23	2892.53	5368.31	55.17	5404.98	214.04	25.33	PASS
4325.00†	4163.69	1059.12	302.40	4153.69	4163.69	2892.53	5368.31	55.43	5387.47	218.60	24.72	PASS
4425.00†	4259.14	1087.78	310.59	4249.14	4259.14	2892.53	5368.31	55.68	5370.07	223.17	24.14	PASS
4525.00†	4354.59	1116.45	318.77	4344.59	4354.59	2892.53	5368.31	55.93	5352.79	227.75	23.57	PASS
4625.00†	4450.05	1145.12	326.96	4440.05	4450.05	2892.53	5368.31	56.19	5335.61	232.33	23.03	PASS
4725.00†	4545.50	1173.78	335.14	4535.50	4545.50	2892.53	5368.31	56.45	5318.54	236.93	22.51	PASS
4825.00†	4640.95	1202.45	343.33	4630.95	4640.95	2892.53	5368.31	56.71	5301.59	241.54	22.01	PASS
4925.00†	4736.41	1231.11	351.51	4726.41	4736.41	2892.53	5368.31	56.97	5284.75	246.15	21.53	PASS
5025.00†	4831.86	1259.78	359.70	4821.86	4831.86	2892.53	5368.31	57.23	5268.03	250.78	21.06	PASS
5125.00†	4927.31	1288.44	367.88	4917.31	4927.31	2892.53	5368.31	57.50	5251.42	255.41	20.61	PASS
5225.00†	5022.77	1317.11	376.07	5012.77	5022.77	2892.53	5368.31	57.77	5234.93	260.05	20.18	PASS
5325.00†	5118.22	1345.78	384.25	5108.22	5118.22	2892.53	5368.31	58.03	5218.56	264.70	19.77	PASS
5425.00†	5213.67	1374.44	392.43	5203.67	5213.67	2892.53	5368.31	58.30	5202.30	269.36	19.36	PASS
5525.00†	5309.12	1403.11	400.62	5299.12	5309.12	2892.53	5368.31	58.57	5186.17	274.02	18.97	PASS
5625.00†	5404.58	1431.77	408.80	5394.58	5404.58	2892.53	5368.31	58.85	5170.16	278.69	18.60	PASS
5725.00†	5500.03	1460.44	416.99	5490.03	5500.03	2892.53	5368.31	59.12	5154.27	283.37	18.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 145 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

<b>Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 2 (2180'FSL &amp; 1700'FWL, PA/CODL) Well: EX. BARNEY 2 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5585.48	5595.48	2892.53	5368.31	59.40	5138.50	288.05	17.88	PASS
5925.00†	5690.94	1517.77	433.36	5680.94	5690.94	2892.53	5368.31	59.67	5122.86	292.74	17.54	PASS
6025.00†	5786.39	1546.43	441.54	5776.39	5786.39	2892.53	5368.31	59.95	5107.35	297.44	17.21	PASS
6125.00†	5881.84	1575.10	449.73	5871.84	5881.84	2892.53	5368.31	60.23	5091.96	302.14	16.89	PASS
6225.00†	5977.30	1603.77	457.91	5967.30	5977.30	2892.53	5368.31	60.52	5076.71	306.85	16.58	PASS
6325.00†	6072.75	1632.43	466.10	6062.75	6072.75	2892.53	5368.31	60.80	5061.58	311.56	16.28	PASS
6425.00†	6168.20	1661.10	474.28	6158.20	6168.20	2892.53	5368.31	61.08	5046.58	316.28	15.99	PASS
6525.00†	6263.66	1689.76	482.47	6253.66	6263.66	2892.53	5368.31	61.37	5031.71	321.00	15.71	PASS
6625.00†	6359.11	1718.43	490.65	6349.11	6359.11	2892.53	5368.31	61.66	5016.98	325.73	15.43	PASS
6725.00†	6454.56	1747.09	498.84	6444.56	6454.56	2892.53	5368.31	61.95	5002.38	330.46	15.17	PASS
6825.00†	6550.01	1775.76	507.02	6540.01	6550.01	2892.53	5368.31	62.24	4987.92	335.20	14.91	PASS
6888.88	6610.99	1794.07	512.25	6600.99	6610.99	2892.53	5368.31	62.43	4978.75	338.23	14.75	PASS
6925.00†	6645.37	1804.39	516.22	6635.37	6645.37	2892.53	5368.31	52.93	4972.60	339.94	14.66	PASS
7025.00†	6738.80	1832.44	537.75	6728.80	6738.80	2892.53	5368.31	33.20	4945.51	344.82	14.37	PASS
7125.00†	6827.86	1859.15	574.28	6817.86	6827.86	2892.53	5368.31	21.10	4904.15	349.91	14.04	PASS
7225.00†	6910.36	1883.87	624.90	6900.36	6910.36	2892.53	5368.31	13.05	4849.47	354.57	13.70	PASS
7325.00†	6984.27	1905.99	688.37	6974.27	6984.27	2892.53	5368.31	6.73	4782.80	358.67	13.36	PASS
7425.00†	7047.75	1924.97	763.12	7037.75	7047.75	2892.53	5368.31	0.57	4705.74	362.12	13.02	PASS
7525.00†	7099.27	1940.34	847.32	7089.27	7099.27	2892.53	5368.31	-7.16	4620.17	364.82	12.69	PASS
7625.00†	7137.53	1951.72	938.90	7127.53	7137.53	2892.53	5368.31	-19.66	4528.23	366.74	12.37	PASS
7725.00†	7161.61	1958.83	1035.59	7151.61	7161.61	2892.53	5368.31	-44.37	4432.19	367.86	12.07	PASS
7825.00†	7170.90	1961.50	1135.02	7160.90	7170.90	2892.53	5368.31	-85.24	4334.47	368.20	11.79	PASS
7840.20	7171.00	1961.51	1150.22	7161.00	7171.00	2892.53	5368.31	-91.26	4319.62	368.18	11.75	PASS
7925.00†	7170.58	1961.28	1235.02	7160.58	7170.58	2892.53	5368.31	-91.23	4236.91	368.06	11.53	PASS
8025.00†	7170.10	1961.00	1335.01	7160.10	7170.10	2892.53	5368.31	-91.20	4139.47	367.95	11.27	PASS
8125.00†	7169.61	1960.73	1435.01	7159.61	7169.61	2892.53	5368.31	-91.17	4042.17	367.86	11.01	PASS
8225.00†	7169.12	1960.46	1535.01	7159.12	7169.12	2892.53	5368.31	-91.14	3944.99	367.82	10.74	PASS
8325.00†	7168.63	1960.18	1635.01	7158.63	7168.63	2892.53	5368.31	-91.11	3847.96	367.81	10.48	PASS
8425.00†	7168.14	1959.91	1735.01	7158.14	7168.14	2892.53	5368.31	-91.08	3751.09	367.85	10.22	PASS
8525.00†	7167.65	1959.64	1835.01	7157.65	7167.65	2892.53	5368.31	-91.05	3654.39	367.94	9.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 146 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL) Well: EX. BARNEY 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7157.16	7167.16	2892.53	5368.31	-91.02	3557.86	368.10	9.68	PASS
8725.00†	7166.67	1959.09	2035.00	7156.67	7166.67	2892.53	5368.31	-90.99	3461.54	368.33	9.41	PASS
8825.00†	7166.18	1958.82	2135.00	7156.18	7166.18	2892.53	5368.31	-90.96	3365.43	368.65	9.14	PASS
8925.00†	7165.69	1958.55	2235.00	7155.69	7165.69	2892.53	5368.31	-90.93	3269.55	369.06	8.87	PASS
9025.00†	7165.20	1958.27	2335.00	7155.20	7165.20	2892.53	5368.31	-90.90	3173.93	369.58	8.60	PASS
9125.00†	7164.71	1958.00	2435.00	7154.71	7164.71	2892.53	5368.31	-90.87	3078.59	370.21	8.33	PASS
9225.00†	7164.22	1957.73	2534.99	7154.22	7164.22	2892.53	5368.31	-90.84	2983.55	370.99	8.06	PASS
9325.00†	7163.73	1957.46	2634.99	7153.73	7163.73	2892.53	5368.31	-90.81	2888.84	371.93	7.78	PASS
9425.00†	7163.24	1957.18	2734.99	7153.24	7163.24	2892.53	5368.31	-90.78	2794.50	373.03	7.50	PASS
9525.00†	7162.75	1956.91	2834.99	7152.75	7162.75	2892.53	5368.31	-90.75	2700.58	374.34	7.23	PASS
9625.00†	7162.26	1956.64	2934.99	7152.26	7162.26	2892.53	5368.31	-90.72	2607.10	375.86	6.95	PASS
9725.00†	7161.77	1956.36	3034.99	7151.77	7161.77	2892.53	5368.31	-90.69	2514.12	377.63	6.67	PASS
9825.00†	7161.28	1956.09	3134.99	7151.28	7161.28	2892.53	5368.31	-90.66	2421.71	379.67	6.39	PASS
9925.00†	7160.79	1955.82	3234.98	7150.79	7160.79	2892.53	5368.31	-90.63	2329.92	382.02	6.11	PASS
10025.00†	7160.30	1955.55	3334.98	7150.30	7160.30	2892.53	5368.31	-90.60	2238.83	384.69	5.83	PASS
10125.00†	7159.81	1955.27	3434.98	7149.81	7159.81	2892.53	5368.31	-90.58	2148.54	387.74	5.55	PASS
10225.00†	7159.32	1955.00	3534.98	7149.32	7159.32	2892.53	5368.31	-90.55	2059.14	391.20	5.27	PASS
10325.00†	7158.83	1954.73	3634.98	7148.83	7158.83	2892.53	5368.31	-90.52	1970.77	395.10	5.00	PASS
10425.00†	7158.34	1954.45	3734.98	7148.34	7158.34	2892.53	5368.31	-90.49	1883.55	399.50	4.72	PASS
10525.00†	7157.85	1954.18	3834.97	7147.85	7157.85	2892.53	5368.31	-90.46	1797.67	404.45	4.45	PASS
10625.00†	7157.36	1953.91	3934.97	7147.36	7157.36	2892.53	5368.31	-90.43	1713.32	409.99	4.18	PASS
10725.00†	7156.87	1953.64	4034.97	7146.87	7156.87	2892.53	5368.31	-90.40	1630.74	416.19	3.92	PASS
10825.00†	7156.38	1953.36	4134.97	7146.38	7156.38	2892.53	5368.31	-90.37	1550.22	423.09	3.67	PASS
10925.00†	7155.89	1953.09	4234.97	7145.89	7155.89	2892.53	5368.31	-90.34	1472.08	430.74	3.42	PASS
11025.00†	7155.40	1952.82	4334.97	7145.40	7155.40	2892.53	5368.31	-90.31	1396.73	439.20	3.18	PASS
11125.00†	7154.92	1952.55	4434.96	7144.92	7154.92	2892.53	5368.31	-90.28	1324.65	448.48	2.96	PASS
11225.00†	7154.43	1952.27	4534.96	7144.43	7154.43	2892.53	5368.31	-90.25	1256.40	458.59	2.74	PASS
11325.00†	7153.94	1952.00	4634.96	7143.94	7153.94	2892.53	5368.31	-90.22	1192.64	469.47	2.54	PASS
11425.00†	7153.45	1951.73	4734.96	7143.45	7153.45	2892.53	5368.31	-90.19	1134.13	481.00	2.36	PASS
11525.00†	7152.96	1951.45	4834.96	7142.96	7152.96	2892.53	5368.31	-90.16	1081.71	492.98	2.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 147 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL) Well: EX. BARNEY 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	7142.47	7152.47	2892.53	5368.31	-90.13	1036.31	505.08	2.05	PASS
11725.00†	7151.98	1950.91	5034.96	7141.98	7151.98	2892.53	5368.31	-90.10	998.89	516.87	1.93	PASS
11825.00†	7151.49	1950.64	5134.95	7141.49	7151.49	2892.53	5368.31	-90.07	970.37	527.82	1.84	PASS
11925.00†	7151.00	1950.36	5234.95	7141.00	7151.00	2892.53	5368.31	-90.04	951.56	537.34	1.77	PASS
12025.00†	7150.51	1950.09	5334.95	7140.51	7150.51	2892.53	5368.31	-90.01	943.03	544.91	1.73	PASS
12056.41†	7150.35	1950.00	5366.36	7139.06	7149.06	2892.53	5368.31	-89.92	942.53	546.77	1.72	PASS
12125.00†	7150.02	1949.82	5434.95	7140.02	7150.02	2892.53	5368.31	-89.98	945.06	550.15	1.72	PASS
12225.00†	7149.53	1949.54	5534.95	7139.53	7149.53	2892.53	5368.31	-89.95	957.59	552.91	1.73	PASS
12325.00†	7149.04	1949.27	5634.95	7139.04	7149.04	2892.53	5368.31	-89.92	980.22	553.29	1.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7285.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7285>	EX. BARNEY 2 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 2 AWB Offset Wellpath: EX. BARNEY 2 AWP**

MD Reference: Rig on SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 148 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: LEFFLER 40C-23-L AWB Offset Wellpath: LEFFLER 40C-23-L AWP**

Facility: SEC.21-T06N-R66W Slot: SLOT#12 LEFFLER 40C-23-L (2021'FNL & 275'FEL SEC.21) Well: LEFFLER 40C-23-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	43.25	14.25	4011.20	-1957.22	-26.01	4463.25	50.33	90.69	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: LEFFLER 40C-23-L AWB Offset Wellpath: LEFFLER 40C-23-L AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: LEFFLER 40C-23-L AWB Offset Wellpath: LEFFLER 40C-23-L AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1776.00	1751.00	-4.00	1745.35	2445.27	-1193.02	2435.48	-1197.93

**WELLPATH COMPOSITION - Offset Wellbore: LEFFLER 40C-23-L AWB Offset Wellpath: LEFFLER 40C-23-L AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1716.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK W/EM 13.5"(STD ROTATING, AXIAL, ROCKIES GT)<112-1716>	LEFFLER 40C-23-L AWB
1716.00	17786.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1793-17786>	LEFFLER 40C-23-L AWB
17786.00	17810.00	Blind Drilling (std)	Projection to bit	LEFFLER 40C-23-L AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: LEFFLER 40C-23-L AWB Offset Wellpath: LEFFLER 40C-23-L AWP**

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 149 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#01 TROUDT 26N-23B-M (761'FNL & 1594'FWL, SEC.27) Well: TROUDT 26N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASSD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-89.88	-90.00	89.88	1.56	148.19	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-89.88	-90.00	89.88	1.88	97.03	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-89.88	-90.00	89.88	2.29	66.92	PASS
225.00†	225.00	0.10	0.03	225.16	225.16	0.11	-89.85	-105.93	89.88	2.43	60.52	PASS
325.00†	324.96	2.62	0.75	325.78	325.74	2.71	-89.33	-105.89	90.08	3.08	42.19	PASS
425.00†	424.77	8.49	2.42	426.40	426.17	8.76	-88.11	-105.78	90.54	3.85	31.02	PASS
525.00†	524.30	17.71	5.06	527.02	526.31	18.28	-86.18	-105.62	91.26	4.66	24.41	PASS
625.00†	623.44	30.26	8.64	627.63	626.05	31.23	-83.57	-105.40	92.25	5.57	19.80	PASS
725.00†	722.07	46.13	13.17	728.24	725.25	47.60	-80.26	-105.14	93.49	6.62	16.35	PASS
825.00†	820.05	65.30	18.64	828.83	823.79	67.38	-76.26	-104.82	95.00	7.84	13.67	PASS
925.00†	917.29	87.74	25.05	929.41	921.56	90.53	-71.58	-104.46	96.77	9.25	11.57	PASS
1025.00†	1013.64	113.44	32.39	1029.98	1018.42	117.03	-66.23	-104.07	98.80	10.85	9.89	PASS
1067.21	1054.03	125.25	35.76	1072.43	1059.01	129.21	-63.77	-103.89	99.73	11.60	9.29	PASS
1125.00†	1109.19	141.82	40.49	1130.53	1114.25	146.83	-60.21	-103.35	100.95	12.64	8.57	PASS
1225.00†	1204.64	170.48	48.68	1230.91	1208.80	179.86	-53.53	-100.90	102.72	14.53	7.50	PASS
1325.00†	1300.09	199.15	56.86	1330.88	1301.74	215.96	-46.24	-96.64	104.48	16.64	6.60	PASS
1425.00†	1395.55	227.82	65.05	1430.21	1392.75	254.95	-38.36	-90.73	106.95	18.82	5.93	PASS
1525.00†	1491.00	256.48	73.23	1528.66	1481.54	296.63	-29.94	-83.46	111.11	20.99	5.50	PASS
1625.00†	1586.45	285.15	81.42	1626.02	1567.85	340.76	-21.02	-75.35	118.04	22.97	5.32	PASS
1725.00†	1681.91	313.81	89.60	1723.66	1653.35	387.00	-11.68	-67.30	128.18	24.60	5.38	PASS
1825.00†	1777.36	342.48	97.79	1821.58	1739.05	433.42	-2.30	-60.47	140.55	24.67	5.84	PASS
1925.00†	1872.81	371.14	105.97	1919.50	1824.75	479.85	7.08	-54.78	154.61	24.03	6.60	PASS
2025.00†	1968.27	399.81	114.15	2017.42	1910.46	526.27	16.46	-50.07	169.94	23.53	7.42	PASS
2125.00†	2063.72	428.48	122.34	2115.34	1996.16	572.69	25.84	-46.14	186.21	23.21	8.25	PASS
2225.00†	2159.17	457.14	130.52	2213.26	2081.86	619.12	35.22	-42.85	203.22	23.06	9.06	PASS
2325.00†	2254.63	485.81	138.71	2311.17	2167.56	665.54	44.60	-40.07	220.78	23.07	9.84	PASS
2425.00†	2350.08	514.47	146.89	2409.09	2253.26	711.97	53.98	-37.70	238.77	23.22	10.57	PASS
2525.00†	2445.53	543.14	155.08	2507.01	2338.97	758.39	63.36	-35.66	257.11	23.51	11.24	PASS
2625.00†	2540.98	571.80	163.26	2604.93	2424.67	804.82	72.74	-33.89	275.72	23.91	11.85	PASS
2725.00†	2636.44	600.47	171.45	2702.85	2510.37	851.24	82.12	-32.35	294.55	24.42	12.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 150 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#01 TROUDT 26N-23B-M (761'FNL & 1594'FWL, SEC.27) Well: TROUDT 26N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2800.77	2596.07	897.67	91.50	-30.99	313.57	25.01	12.87	PASS
2925.00†	2827.34	657.80	187.82	2898.69	2681.77	944.09	100.89	-29.78	332.73	25.69	13.29	PASS
3025.00†	2922.80	686.47	196.00	2996.61	2767.48	990.52	110.27	-28.71	352.03	26.43	13.66	PASS
3125.00†	3018.25	715.13	204.19	3094.53	2853.18	1036.94	119.65	-27.75	371.43	27.23	13.98	PASS
3225.00†	3113.70	743.80	212.37	3192.44	2938.88	1083.37	129.03	-26.89	390.92	28.08	14.25	PASS
3325.00†	3209.16	772.46	220.56	3290.36	3024.58	1129.79	138.41	-26.10	410.49	28.99	14.49	PASS
3425.00†	3304.61	801.13	228.74	3388.28	3110.28	1176.22	147.79	-25.39	430.13	29.93	14.70	PASS
3525.00†	3400.06	829.79	236.93	3486.20	3195.99	1222.64	157.17	-24.74	449.82	30.91	14.87	PASS
3625.00†	3495.52	858.46	245.11	3584.12	3281.69	1269.07	166.55	-24.14	469.57	31.92	15.02	PASS
3725.00†	3590.97	887.13	253.29	3682.04	3367.39	1315.49	175.93	-23.60	489.36	32.95	15.15	PASS
3825.00†	3686.42	915.79	261.48	3779.96	3453.09	1361.92	185.31	-23.09	509.19	34.02	15.27	PASS
3925.00†	3781.88	944.46	269.66	3877.88	3538.79	1408.34	194.69	-22.62	529.06	35.10	15.36	PASS
4025.00†	3877.33	973.12	277.85	3975.79	3624.50	1454.77	204.07	-22.19	548.95	36.21	15.44	PASS
4125.00†	3972.78	1001.79	286.03	4073.71	3710.20	1501.19	213.45	-21.79	568.88	37.33	15.51	PASS
4225.00†	4068.23	1030.45	294.22	4171.63	3795.90	1547.62	222.83	-21.41	588.83	38.47	15.57	PASS
4325.00†	4163.69	1059.12	302.40	4269.55	3881.60	1594.04	232.21	-21.06	608.80	39.62	15.63	PASS
4425.00†	4259.14	1087.78	310.59	4367.47	3967.30	1640.47	241.59	-20.73	628.80	40.79	15.67	PASS
4525.00†	4354.59	1116.45	318.77	4465.39	4053.01	1686.89	250.97	-20.42	648.81	41.97	15.71	PASS
4625.00†	4450.05	1145.12	326.96	4563.31	4138.71	1733.32	260.35	-20.13	668.84	43.16	15.74	PASS
4725.00†	4545.50	1173.78	335.14	4661.23	4224.41	1779.74	269.74	-19.86	688.89	44.35	15.77	PASS
4825.00†	4640.95	1202.45	343.33	4759.14	4310.11	1826.17	279.12	-19.60	708.95	45.56	15.79	PASS
4925.00†	4736.41	1231.11	351.51	4857.06	4395.81	1872.59	288.50	-19.36	729.02	46.78	15.81	PASS
5025.00†	4831.86	1259.78	359.70	4954.98	4481.51	1919.02	297.88	-19.13	749.10	48.00	15.83	PASS
5125.00†	4927.31	1288.44	367.88	5052.90	4567.22	1965.44	307.26	-18.91	769.20	49.23	15.84	PASS
5225.00†	5022.77	1317.11	376.07	5150.82	4652.92	2011.87	316.64	-18.70	789.31	50.46	15.85	PASS
5325.00†	5118.22	1345.78	384.25	5248.74	4738.62	2058.29	326.02	-18.50	809.42	51.70	15.86	PASS
5425.00†	5213.67	1374.44	392.43	5346.66	4824.32	2104.72	335.40	-18.32	829.55	52.95	15.87	PASS
5525.00†	5309.12	1403.11	400.62	5444.58	4910.02	2151.14	344.78	-18.14	849.68	54.20	15.87	PASS
5625.00†	5404.58	1431.77	408.80	5542.50	4995.73	2197.57	354.16	-17.97	869.82	55.46	15.87	PASS
5725.00†	5500.03	1460.44	416.99	5640.41	5081.43	2243.99	363.54	-17.80	889.97	56.72	15.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 151 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#01 TROUDT 26N-23B-M (761'FNL & 1594'FWL, SEC.27) Well: TROUDT 26N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5738.33	5167.13	2290.42	372.92	-17.65	910.12	57.98	15.88	PASS
5925.00†	5690.94	1517.77	433.36	5836.25	5252.83	2336.84	382.30	-17.50	930.28	59.25	15.88	PASS
6025.00†	5786.39	1546.43	441.54	5934.17	5338.53	2383.27	391.68	-17.36	950.45	60.52	15.88	PASS
6125.00†	5881.84	1575.10	449.73	6032.09	5424.24	2429.69	401.06	-17.22	970.62	61.80	15.88	PASS
6225.00†	5977.30	1603.77	457.91	6130.01	5509.94	2476.12	410.44	-17.09	990.79	63.07	15.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1676.40	0.00	-54.79	121.76	-30.19
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1676.40	0.00	-54.79	121.76	-30.19
8.5in Open Hole	1750.00	15550.53	13800.53	1676.40	6952.00	121.76	-30.19	994.06	2568.03

## SURVEY PROGRAM - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 26N-23B-M PWB
1750.00	15551.47	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 26N-23B-M PWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 152 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 26N-23B-M PWB Offset Wellpath: TROUDT 26N-23B-M PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 153 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#14 TROUDT 26C-26-L (880'FNL & 1760'FWL, SEC.27) Well: TROUDT 26C-26-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-120.22	75.13	148.00	141.77	1.56	234.67	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-120.22	75.13	148.00	141.77	1.89	152.17	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-120.22	75.13	148.00	141.77	2.31	104.38	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-120.22	75.13	132.10	141.84	2.46	94.44	PASS
325.00†	324.96	2.62	0.75	326.10	326.10	-120.17	75.03	132.88	143.51	3.23	62.89	PASS
425.00†	424.77	8.49	2.42	430.43	430.38	-118.78	72.54	135.25	145.41	4.53	40.49	PASS
525.00†	524.30	17.71	5.06	534.30	534.04	-115.56	66.77	139.32	147.18	5.98	29.13	PASS
625.00†	623.44	30.26	8.64	637.42	636.64	-110.55	57.80	144.96	149.73	7.20	23.86	PASS
725.00†	722.07	46.13	13.17	739.49	737.76	-103.83	45.75	151.91	154.26	8.28	20.95	PASS
825.00†	820.05	65.30	18.64	838.88	835.76	-95.74	31.26	159.56	162.29	9.22	19.54	PASS
925.00†	917.29	87.74	25.05	935.57	930.99	-87.60	16.66	166.65	176.08	10.12	19.12	PASS
1025.00†	1013.64	113.44	32.39	1031.53	1025.51	-79.51	2.18	172.79	195.67	11.08	19.24	PASS
1067.21	1054.03	125.25	35.76	1071.80	1065.17	-76.12	-3.90	175.06	205.55	11.48	19.45	PASS
1125.00†	1109.19	141.82	40.49	1126.81	1119.35	-71.49	-12.20	177.87	219.96	11.93	19.97	PASS
1225.00†	1204.64	170.48	48.68	1222.00	1213.12	-63.47	-26.57	178.04	245.91	12.73	20.81	PASS
1325.00†	1300.09	199.15	56.86	1317.20	1306.88	-55.45	-40.94	174.72	272.83	13.58	21.55	PASS
1425.00†	1395.55	227.82	65.05	1412.39	1400.64	-47.43	-55.31	172.00	300.46	14.47	22.17	PASS
1525.00†	1491.00	256.48	73.23	1507.59	1494.40	-39.42	-69.68	169.73	328.62	15.40	22.70	PASS
1625.00†	1586.45	285.15	81.42	1602.79	1588.17	-31.40	-84.05	167.82	357.19	16.37	23.13	PASS
1725.00†	1681.91	313.81	89.60	1697.98	1681.93	-23.38	-98.41	166.19	386.07	17.36	23.49	PASS
1825.00†	1777.36	342.48	97.79	1793.18	1775.69	-15.36	-112.78	164.78	415.20	17.76	24.30	PASS
1925.00†	1872.81	371.14	105.97	1888.37	1869.46	-7.34	-127.15	163.56	444.53	17.98	25.69	PASS
2025.00†	1968.27	399.81	114.15	1983.57	1963.22	0.67	-141.52	162.49	474.03	18.17	27.10	PASS
2125.00†	2063.72	428.48	122.34	2078.76	2056.98	8.69	-155.89	161.54	503.66	18.44	28.37	PASS
2225.00†	2159.17	457.14	130.52	2173.96	2150.74	16.71	-170.26	160.70	533.40	18.76	29.50	PASS
2325.00†	2254.63	485.81	138.71	2269.15	2244.51	24.73	-184.63	159.95	563.24	19.16	30.49	PASS
2425.00†	2350.08	514.47	146.89	2364.35	2338.27	32.75	-198.99	159.27	593.16	19.61	31.35	PASS
2525.00†	2445.53	543.14	155.08	2459.54	2432.03	40.77	-213.36	158.66	623.14	20.11	32.08	PASS
2625.00†	2540.98	571.80	163.26	2554.74	2525.79	48.78	-227.73	158.10	653.19	20.67	32.69	PASS
2725.00†	2636.44	600.47	171.45	2649.94	2619.56	56.80	-242.10	157.59	683.29	21.27	33.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 154 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#14 TROUDT 26C-26-L (880'FNL & 1760'FWL, SEC.27) Well: TROUDT 26C-26-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2745.13	2713.32	64.82	-256.47	-157.13	713.43	21.92	33.60	PASS
2925.00†	2827.34	657.80	187.82	2840.33	2807.08	72.84	-270.84	-156.70	743.61	22.61	33.92	PASS
3025.00†	2922.80	686.47	196.00	2935.52	2900.84	80.86	-285.21	-156.30	773.83	23.33	34.17	PASS
3125.00†	3018.25	715.13	204.19	3030.72	2994.61	88.87	-299.57	-155.94	804.07	24.09	34.36	PASS
3225.00†	3113.70	743.80	212.37	3125.91	3088.37	96.89	-313.94	-155.60	834.35	24.88	34.49	PASS
3325.00†	3209.16	772.46	220.56	3221.11	3182.13	104.91	-328.31	-155.29	864.64	25.69	34.58	PASS
3425.00†	3304.61	801.13	228.74	3316.30	3275.89	112.93	-342.68	-154.99	894.97	26.53	34.63	PASS
3525.00†	3400.06	829.79	236.93	3411.50	3369.66	120.95	-357.05	-154.72	925.31	27.39	34.65	PASS
3625.00†	3495.52	858.46	245.11	3506.69	3463.42	128.97	-371.42	-154.46	955.67	28.27	34.64	PASS
3725.00†	3590.97	887.13	253.29	3601.89	3557.18	136.98	-385.79	-154.22	986.04	29.17	34.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1733.17	-73.29	45.80	-42.44	-9.49
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.17	-73.29	45.80	-42.44	-9.49
8.5in Open Hole	1750.00	16660.50	14910.50	1733.17	7145.00	-42.44	-9.49	90.55	2721.84



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 155 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 26C-26-L PWB
1750.00	16660.50	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 26C-26-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 26C-26-L PWB Offset Wellpath: TROUDT 26C-26-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 156 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: LEFFLER 8N-23C-L AWB Offset Wellpath: LEFFLER 8N-23C-L AWP**

<b>Facility: SEC.21-T06N-R66W Slot: SLOT#11 LEFFLER 8N-23C-L (2001'FNL &amp; 275'FEL SEC.21) Well: LEFFLER 8N-23C-L Threshold Value=1.00 † = interpolated/extrapolated station</b>													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	42.82	13.82	4031.25	-1957.20	-25.90	4481.26	50.33	91.05	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: LEFFLER 8N-23C-L AWB Offset Wellpath: LEFFLER 8N-23C-L AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: LEFFLER 8N-23C-L AWB Offset Wellpath: LEFFLER 8N-23C-L AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1791.00	1766.00	-4.00	1757.56	2457.48	-1193.02	2431.85	-1212.74

**WELLPATH COMPOSITION - Offset Wellbore: LEFFLER 8N-23C-L AWB Offset Wellpath: LEFFLER 8N-23C-L AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1731.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK W/EM 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<112-1731>	LEFFLER 8N-23C-L AWB
1731.00	17686.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1793-17686>	LEFFLER 8N-23C-L AWB
17686.00	17710.00	Blind Drilling (std)	Projection to bit	LEFFLER 8N-23C-L AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: LEFFLER 8N-23C-L AWB Offset Wellpath: LEFFLER 8N-23C-L AWP**

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 157 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#03 HOOD 11N-22B-M (725'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14282.61	6984.93	2815.43	-129.56	-2.64	7508.93	165.21	45.70	PASS
125.00†	125.00	0.00	0.00	14283.24	6984.93	2815.44	-128.93	-2.62	7416.33	166.92	44.67	PASS
200.00	200.00	0.00	0.00	14283.72	6984.94	2815.45	-128.46	-2.61	7347.02	167.93	43.99	PASS
225.00†	225.00	0.10	0.03	14283.90	6984.94	2815.46	-128.27	-18.93	7323.90	168.27	43.76	PASS
325.00†	324.96	2.62	0.75	14285.19	6984.95	2815.49	-126.99	-20.64	7230.77	169.60	42.86	PASS
425.00†	424.77	8.49	2.42	14287.34	6984.96	2815.55	-124.83	-22.64	7136.66	170.89	41.98	PASS
525.00†	524.30	17.71	5.06	14290.37	6984.99	2815.64	-121.81	-25.02	7041.66	172.12	41.13	PASS
625.00†	623.44	30.26	8.64	14294.27	6985.02	2815.74	-117.90	-27.90	6945.83	173.28	40.29	PASS
725.00†	722.07	46.13	13.17	14299.05	6985.06	2815.87	-113.13	-31.43	6849.27	174.37	39.48	PASS
825.00†	820.05	65.30	18.64	14304.71	6985.10	2816.03	-107.47	-35.83	6752.06	175.39	38.70	PASS
925.00†	917.29	87.74	25.05	14311.25	6985.16	2816.21	-100.94	-41.40	6654.28	176.32	37.93	PASS
1025.00†	1013.64	113.44	32.39	14318.66	6985.22	2816.41	-93.53	-48.53	6556.04	177.17	37.19	PASS
1067.21	1054.03	125.25	35.76	14321.21	6985.24	2816.48	-90.98	-52.15	6514.45	177.48	36.89	PASS
1125.00†	1109.19	141.82	40.49	14324.01	6985.26	2816.56	-88.18	-52.04	6457.48	177.88	36.48	PASS
1225.00†	1204.64	170.48	48.68	14328.90	6985.31	2816.71	-83.29	-51.83	6358.93	178.60	35.78	PASS
1325.00†	1300.09	199.15	56.86	14333.84	6985.35	2816.88	-78.36	-51.61	6260.42	179.33	35.08	PASS
1425.00†	1395.55	227.82	65.05	14338.82	6985.39	2817.05	-73.38	-51.40	6161.95	180.10	34.38	PASS
1525.00†	1491.00	256.48	73.23	14343.85	6985.43	2817.24	-68.35	-51.18	6063.52	180.89	33.69	PASS
1625.00†	1586.45	285.15	81.42	14348.94	6985.46	2817.44	-63.27	-50.95	5965.13	181.70	32.99	PASS
1725.00†	1681.91	313.81	89.60	14354.07	6985.50	2817.66	-58.14	-50.72	5866.79	182.55	32.30	PASS
1825.00†	1777.36	342.48	97.79	14359.25	6985.54	2817.89	-52.96	-50.49	5768.49	183.22	31.60	PASS
1925.00†	1872.81	371.14	105.97	14364.49	6985.58	2818.14	-47.73	-50.26	5670.25	184.11	30.91	PASS
2025.00†	1968.27	399.81	114.15	14369.77	6985.61	2818.40	-42.46	-50.02	5572.06	185.03	30.23	PASS
2125.00†	2063.72	428.48	122.34	14375.11	6985.65	2818.67	-37.13	-49.77	5473.93	185.99	29.54	PASS
2225.00†	2159.17	457.14	130.52	14380.50	6985.68	2818.97	-31.74	-49.53	5375.85	186.97	28.86	PASS
2325.00†	2254.63	485.81	138.71	14385.95	6985.72	2819.28	-26.30	-49.28	5277.84	188.00	28.18	PASS
2425.00†	2350.08	514.47	146.89	14391.45	6985.75	2819.60	-20.81	-49.02	5179.89	189.07	27.50	PASS
2525.00†	2445.53	543.14	155.08	14397.01	6985.79	2819.94	-15.27	-48.76	5082.00	190.17	26.82	PASS
2625.00†	2540.98	571.80	163.26	14402.62	6985.82	2820.30	-9.66	-48.50	4984.20	191.32	26.14	PASS
2725.00†	2636.44	600.47	171.45	14408.29	6985.85	2820.68	-4.01	-48.23	4886.46	192.52	25.47	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 158 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#03 HOOD 11N-22B-M (725'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14416.15	6985.89	2821.23	3.83	-47.85	4788.81	193.81	24.80	PASS
2925.00†	2827.34	657.80	187.82	14424.95	6985.94	2821.84	12.62	-47.43	4691.24	195.18	24.12	PASS
3025.00†	2922.80	686.47	196.00	14433.81	6985.99	2822.47	21.45	-47.00	4593.75	196.60	23.45	PASS
3125.00†	3018.25	715.13	204.19	14442.70	6986.04	2823.10	30.32	-46.56	4496.34	198.08	22.78	PASS
3225.00†	3113.70	743.80	212.37	14451.64	6986.09	2823.74	39.24	-46.12	4399.04	199.62	22.11	PASS
3325.00†	3209.16	772.46	220.56	14460.63	6986.14	2824.40	48.20	-45.67	4301.83	201.22	21.45	PASS
3425.00†	3304.61	801.13	228.74	14469.66	6986.19	2825.06	57.20	-45.22	4204.73	202.89	20.79	PASS
3525.00†	3400.06	829.79	236.93	14478.73	6986.25	2825.74	66.25	-44.76	4107.75	204.64	20.14	PASS
3625.00†	3495.52	858.46	245.11	14487.85	6986.30	2826.43	75.35	-44.29	4010.89	206.47	19.49	PASS
3725.00†	3590.97	887.13	253.29	14497.02	6986.35	2827.12	84.49	-43.82	3914.17	208.38	18.84	PASS
3825.00†	3686.42	915.79	261.48	14517.93	6986.46	2828.70	105.34	-42.73	3817.57	210.68	18.18	PASS
3925.00†	3781.88	944.46	269.66	14540.94	6986.53	2830.37	128.28	-41.51	3721.09	213.13	17.51	PASS
4025.00†	3877.33	973.12	277.85	14562.76	6986.56	2831.89	150.06	-40.34	3624.73	215.65	16.86	PASS
4125.00†	3972.78	1001.79	286.03	14583.50	6986.55	2833.27	170.75	-39.20	3528.52	218.26	16.22	PASS
4225.00†	4068.23	1030.45	294.22	14596.16	6986.52	2834.09	183.38	-38.50	3432.46	220.78	15.59	PASS
4325.00†	4163.69	1059.12	302.40	14606.04	6986.51	2834.73	193.24	-37.95	3336.62	223.35	14.98	PASS
4425.00†	4259.14	1087.78	310.59	14615.96	6986.49	2835.36	203.14	-37.40	3240.99	226.06	14.38	PASS
4525.00†	4354.59	1116.45	318.77	14625.91	6986.48	2835.98	213.07	-36.83	3145.60	228.92	13.78	PASS
4625.00†	4450.05	1145.12	326.96	14635.90	6986.48	2836.60	223.04	-36.27	3050.48	231.94	13.19	PASS
4725.00†	4545.50	1173.78	335.14	14645.92	6986.47	2837.22	233.05	-35.69	2955.64	235.13	12.61	PASS
4825.00†	4640.95	1202.45	343.33	14655.98	6986.48	2837.84	243.09	-35.12	2861.12	238.51	12.03	PASS
4925.00†	4736.41	1231.11	351.51	14666.07	6986.48	2838.45	253.16	-34.53	2766.95	242.09	11.46	PASS
5025.00†	4831.86	1259.78	359.70	14676.20	6986.49	2839.05	263.27	-33.94	2673.17	245.90	10.90	PASS
5125.00†	4927.31	1288.44	367.88	14706.46	6986.53	2840.66	293.48	-32.17	2579.78	250.50	10.32	PASS
5225.00†	5022.77	1317.11	376.07	14738.59	6986.60	2841.87	325.59	-30.26	2486.78	255.38	9.76	PASS
5325.00†	5118.22	1345.78	384.25	14859.55	6986.92	2841.19	446.51	-22.86	2394.20	262.20	9.15	PASS
5425.00†	5213.67	1374.44	392.43	14875.56	6986.95	2840.44	462.51	-21.86	2301.86	267.12	8.64	PASS
5525.00†	5309.12	1403.11	400.62	14890.83	6986.99	2839.62	477.76	-20.90	2210.15	272.36	8.13	PASS
5625.00†	5404.58	1431.77	408.80	14905.39	6987.02	2838.76	492.29	-19.98	2119.13	277.95	7.64	PASS
5725.00†	5500.03	1460.44	416.99	14919.30	6987.05	2837.86	506.18	-19.10	2028.91	283.92	7.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 159 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#03 HOOD 11N-22B-M (725'FSL & 1122'FEL SEC.20) Well: HOOD 11N-22B-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14932.60	6987.09	2836.93	519.45	-18.26	1939.61	290.31	6.70	PASS
5925.00†	5690.94	1517.77	433.36	14945.33	6987.12	2835.98	532.14	-17.45	1851.36	297.15	6.24	PASS
6025.00†	5786.39	1546.43	441.54	14951.42	6987.14	2835.51	538.21	-17.06	1764.33	304.45	5.81	PASS
6125.00†	5881.84	1575.10	449.73	14956.58	6987.15	2835.11	543.35	-16.73	1678.72	312.28	5.39	PASS
6225.00†	5977.30	1603.77	457.91	14961.79	6987.17	2834.71	548.55	-16.39	1594.77	320.69	4.98	PASS
6325.00†	6072.75	1632.43	466.10	14967.07	6987.18	2834.32	553.81	-16.06	1512.75	329.69	4.60	PASS
6425.00†	6168.20	1661.10	474.28	14972.41	6987.20	2833.92	559.14	-15.71	1432.99	339.29	4.23	PASS
6525.00†	6263.66	1689.76	482.47	14977.82	6987.22	2833.51	564.53	-15.37	1355.89	349.43	3.89	PASS
6625.00†	6359.11	1718.43	490.65	14983.28	6987.24	2833.11	569.98	-15.01	1281.94	360.05	3.57	PASS
6725.00†	6454.56	1747.09	498.84	14988.81	6987.26	2832.71	575.49	-14.66	1211.70	370.98	3.27	PASS
6825.00†	6550.01	1775.76	507.02	14994.41	6987.28	2832.31	581.08	-14.30	1145.85	381.96	3.00	PASS
6888.88	6610.99	1794.07	512.25	14998.02	6987.30	2832.05	584.68	-14.07	1106.46	388.83	2.85	PASS
6925.00†	6645.37	1804.39	516.22	15000.96	6987.31	2831.84	587.61	-25.72	1085.20	392.64	2.77	PASS
7025.00†	6738.80	1832.44	537.75	15018.39	6987.39	2830.63	605.00	-49.90	1030.88	402.81	2.56	PASS
7125.00†	6827.86	1859.15	574.28	15047.00	6987.54	2828.74	633.54	-64.30	984.44	411.93	2.39	PASS
7225.00†	6910.36	1883.87	624.90	15083.44	6987.77	2826.73	669.93	-72.72	947.11	419.40	2.26	PASS
7325.00†	6984.27	1905.99	688.37	15130.51	6988.12	2824.88	716.96	-77.29	919.34	425.07	2.16	PASS
7425.00†	7047.75	1924.97	763.12	15191.48	6988.60	2823.44	777.91	-79.25	900.54	429.32	2.10	PASS
7525.00†	7099.27	1940.34	847.32	15259.49	6989.10	2822.96	845.92	-79.77	889.48	432.76	2.06	PASS
7625.00†	7137.53	1951.72	938.90	15334.46	6989.54	2823.95	920.87	-79.47	884.89	436.24	2.03	PASS
7647.36†	7144.17	1953.69	960.16	15343.00	6989.57	2824.14	929.42	-79.52	884.61	436.30	2.03	PASS
7679.40†	7152.43	1956.13	991.01	15343.00	6989.57	2824.14	929.42	-79.68	885.30	438.89	2.02	PASS
7725.00†	7161.61	1958.83	1035.59	15343.00	6989.57	2824.14	929.42	-79.63	888.61	436.41	2.04	PASS
7825.00†	7170.90	1961.50	1135.02	15343.00	6989.57	2824.14	929.42	-78.37	905.15	432.93	2.09	PASS
7840.20	7171.00	1961.51	1150.22	15343.00	6989.57	2824.14	929.42	-78.05	908.74	432.13	2.10	PASS
7925.00†	7170.58	1961.28	1235.02	15343.00	6989.57	2824.14	929.42	-78.05	933.11	426.22	2.19	PASS
8025.00†	7170.10	1961.00	1335.01	15343.00	6989.57	2824.14	929.42	-78.05	970.62	416.46	2.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 160 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1757.00	1732.00	10.00	1724.59	837.58	-4937.03	884.77	-4915.38
9.625in Open Hole	25.00	1757.00	1732.00	10.00	1724.59	837.58	-4937.03	884.77	-4915.38
8.5in Open Hole	1757.00	15343.00	13586.00	1724.59	6989.57	884.77	-4915.38	1279.09	-2185.02

## WELLPATH COMPOSITION - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1707.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1707>	HOOD 11N-22B-M AWB
1707.00	15319.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1794-15319>	HOOD 11N-22B-M AWB
15319.00	15343.00	Blind Drilling (std)	Projection to bit	HOOD 11N-22B-M AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 11N-22B-M AWB Offset Wellpath: HOOD 11N-22B-M AWP

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 161 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20) Well: HOOD 36C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14245.11	7166.01	1056.69	-162.99	-8.77	7220.60	112.88	64.48	PASS
125.00†	125.00	0.00	0.00	14246.63	7166.03	1056.74	-161.48	-8.69	7121.72	113.79	63.09	PASS
200.00	200.00	0.00	0.00	14247.77	7166.05	1056.78	-160.34	-8.63	7047.58	114.07	62.28	PASS
225.00†	225.00	0.10	0.03	14248.18	7166.06	1056.79	-159.93	-25.97	7022.86	114.16	62.01	PASS
325.00†	324.96	2.62	0.75	14250.39	7166.10	1056.87	-157.72	-33.37	6923.71	114.49	60.95	PASS
425.00†	424.77	8.49	2.42	14253.52	7166.16	1056.98	-154.59	-45.37	6824.24	114.78	59.93	PASS
525.00†	524.30	17.71	5.06	14257.56	7166.23	1057.11	-150.55	-65.45	6724.56	115.00	58.93	PASS
625.00†	623.44	30.26	8.64	14262.53	7166.32	1057.29	-145.58	-94.29	6624.79	115.16	57.98	PASS
725.00†	722.07	46.13	13.17	14268.43	7166.43	1057.49	-139.69	-121.42	6525.03	115.26	57.06	PASS
825.00†	820.05	65.30	18.64	14275.25	7166.55	1057.74	-132.87	-139.09	6425.41	115.28	56.18	PASS
925.00†	917.29	87.74	25.05	14283.95	7166.71	1058.05	-124.18	-149.69	6326.06	115.23	55.33	PASS
1025.00†	1013.64	113.44	32.39	14295.25	7166.92	1058.43	-112.89	-156.42	6227.11	115.14	54.51	PASS
1067.21	1054.03	125.25	35.76	14300.32	7167.01	1058.58	-107.83	-158.54	6185.49	115.07	54.18	PASS
1125.00†	1109.19	141.82	40.49	14307.35	7167.15	1058.79	-100.79	-158.84	6128.59	114.97	53.73	PASS
1225.00†	1204.64	170.48	48.68	14319.41	7167.38	1059.12	-88.74	-159.35	6030.16	114.79	52.95	PASS
1325.00†	1300.09	199.15	56.86	14331.32	7167.61	1059.40	-76.84	-159.86	5931.75	114.60	52.17	PASS
1425.00†	1395.55	227.82	65.05	14343.09	7167.84	1059.65	-65.08	-160.38	5833.37	114.41	51.39	PASS
1525.00†	1491.00	256.48	73.23	14354.71	7168.07	1059.85	-53.46	-160.89	5735.03	114.21	50.61	PASS
1625.00†	1586.45	285.15	81.42	14366.20	7168.30	1060.01	-41.98	-161.41	5636.73	114.00	49.84	PASS
1725.00†	1681.91	313.81	89.60	14381.42	7168.61	1060.17	-26.76	-162.10	5538.46	113.83	49.04	PASS
1825.00†	1777.36	342.48	97.79	14397.97	7168.94	1060.23	-10.21	-162.88	5440.22	113.44	48.25	PASS
1925.00†	1872.81	371.14	105.97	14413.84	7169.26	1060.20	5.66	-163.64	5342.02	113.25	47.46	PASS
2025.00†	1968.27	399.81	114.15	14429.09	7169.56	1060.07	20.90	-164.38	5243.86	113.05	46.67	PASS
2125.00†	2063.72	428.48	122.34	14443.74	7169.84	1059.86	35.55	-165.10	5145.74	112.83	45.89	PASS
2225.00†	2159.17	457.14	130.52	14457.82	7170.11	1059.58	49.63	-165.81	5047.67	112.60	45.11	PASS
2325.00†	2254.63	485.81	138.71	14468.81	7170.31	1059.32	60.61	-166.38	4949.65	112.33	44.34	PASS
2425.00†	2350.08	514.47	146.89	14479.42	7170.51	1059.05	71.21	-166.92	4851.69	112.06	43.57	PASS
2525.00†	2445.53	543.14	155.08	14489.91	7170.71	1058.77	81.70	-167.47	4753.79	111.78	42.79	PASS
2625.00†	2540.98	571.80	163.26	14500.29	7170.90	1058.48	92.07	-168.02	4655.96	111.50	42.02	PASS
2725.00†	2636.44	600.47	171.45	14510.55	7171.08	1058.18	102.33	-168.57	4558.21	111.22	41.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 162 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20) Well: HOOD 36C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASS [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	14520.71	7171.27	1057.87	112.48	-169.11	4460.54	110.94	40.46	PASS
2925.00†	2827.34	657.80	187.82	14530.75	7171.45	1057.55	122.51	-169.66	4362.95	110.67	39.67	PASS
3025.00†	2922.80	686.47	196.00	14540.68	7171.63	1057.22	132.44	-170.20	4265.45	110.40	38.88	PASS
3125.00†	3018.25	715.13	204.19	14550.20	7171.80	1056.89	141.94	-170.72	4168.05	110.13	38.08	PASS
3225.00†	3113.70	743.80	212.37	14558.02	7171.94	1056.63	149.76	-171.16	4070.76	109.86	37.29	PASS
3325.00†	3209.16	772.46	220.56	14565.97	7172.08	1056.39	157.71	-171.60	3973.58	109.61	36.48	PASS
3425.00†	3304.61	801.13	228.74	14574.06	7172.23	1056.15	165.79	-172.06	3876.53	109.39	35.66	PASS
3525.00†	3400.06	829.79	236.93	14582.28	7172.38	1055.93	174.01	-172.52	3779.61	109.18	34.84	PASS
3625.00†	3495.52	858.46	245.11	14590.64	7172.53	1055.73	182.37	-172.99	3682.84	109.02	34.00	PASS
3725.00†	3590.97	887.13	253.29	14599.15	7172.68	1055.54	190.87	-173.48	3586.22	108.89	33.14	PASS
3825.00†	3686.42	915.79	261.48	14607.80	7172.84	1055.38	199.51	-173.97	3489.77	108.81	32.28	PASS
3925.00†	3781.88	944.46	269.66	14616.60	7173.01	1055.23	208.31	-174.48	3393.50	108.78	31.39	PASS
4025.00†	3877.33	973.12	277.85	14625.55	7173.17	1055.10	217.27	-175.00	3297.42	108.83	30.49	PASS
4125.00†	3972.78	1001.79	286.03	14634.67	7173.35	1054.99	226.38	-175.53	3201.56	108.96	29.57	PASS
4225.00†	4068.23	1030.45	294.22	14645.17	7173.54	1054.89	236.87	-176.15	3105.93	109.20	28.62	PASS
4325.00†	4163.69	1059.12	302.40	14656.24	7173.75	1054.77	247.95	-176.80	3010.55	109.56	27.65	PASS
4425.00†	4259.14	1087.78	310.59	14667.16	7173.94	1054.64	258.86	-177.45	2915.45	110.06	26.65	PASS
4525.00†	4354.59	1116.45	318.77	14677.91	7174.13	1054.51	269.61	-178.10	2820.64	110.73	25.63	PASS
4625.00†	4450.05	1145.12	326.96	14688.51	7174.31	1054.37	280.21	-178.74	2726.17	111.59	24.58	PASS
4725.00†	4545.50	1173.78	335.14	14698.95	7174.48	1054.22	290.65	-179.37	2632.07	112.69	23.50	PASS
4825.00†	4640.95	1202.45	343.33	14709.24	7174.64	1054.06	300.94	-180.00	2538.39	114.06	22.39	PASS
4925.00†	4736.41	1231.11	351.51	14719.39	7174.80	1053.90	311.08	-179.38	2445.16	115.76	21.25	PASS
5025.00†	4831.86	1259.78	359.70	14729.15	7174.95	1053.73	320.84	-178.78	2352.45	117.84	20.08	PASS
5125.00†	4927.31	1288.44	367.88	14737.36	7175.07	1053.58	329.05	-178.27	2260.33	120.35	18.89	PASS
5225.00†	5022.77	1317.11	376.07	14745.58	7175.20	1053.43	337.26	-177.75	2168.87	123.38	17.67	PASS
5325.00†	5118.22	1345.78	384.25	14753.80	7175.33	1053.27	345.48	-177.24	2078.17	127.02	16.45	PASS
5425.00†	5213.67	1374.44	392.43	14762.02	7175.46	1053.10	353.70	-176.72	1988.31	131.35	15.21	PASS
5525.00†	5309.12	1403.11	400.62	14770.25	7175.60	1052.92	361.93	-176.20	1899.44	136.48	13.98	PASS
5625.00†	5404.58	1431.77	408.80	14778.49	7175.74	1052.73	370.16	-175.68	1811.68	142.52	12.77	PASS
5725.00†	5500.03	1460.44	416.99	14786.72	7175.88	1052.54	378.39	-175.16	1725.20	149.59	11.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 163 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP**

**Facility: SEC.20-T06N-R66W Slot: SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20) Well: HOOD 36C-22-M Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	14794.96	7176.02	1052.34	386.63	174.64	1640.23	157.82	10.44	PASS
5925.00†	5690.94	1517.77	433.36	14803.21	7176.17	1052.13	394.87	174.11	1556.99	167.35	9.34	PASS
6025.00†	5786.39	1546.43	441.54	14811.46	7176.31	1051.91	403.11	173.58	1475.78	178.32	8.31	PASS
6125.00†	5881.84	1575.10	449.73	14819.55	7176.46	1051.69	411.20	173.06	1396.95	190.87	7.34	PASS
6225.00†	5977.30	1603.77	457.91	14827.22	7176.60	1051.47	418.86	172.57	1320.94	205.12	6.46	PASS
6325.00†	6072.75	1632.43	466.10	14834.76	7176.74	1051.22	426.41	172.08	1248.27	221.17	5.66	PASS
6425.00†	6168.20	1661.10	474.28	14842.19	7176.88	1050.97	433.82	171.60	1179.54	239.07	4.95	PASS
6525.00†	6263.66	1689.76	482.47	14849.49	7177.01	1050.70	441.12	171.13	1115.50	258.76	4.32	PASS
6625.00†	6359.11	1718.43	490.65	14856.67	7177.14	1050.41	448.29	170.67	1056.99	280.04	3.78	PASS
6725.00†	6454.56	1747.09	498.84	14863.74	7177.27	1050.11	455.35	170.21	1004.98	302.50	3.33	PASS
6825.00†	6550.01	1775.76	507.02	14870.70	7177.40	1049.80	462.30	169.76	960.53	325.48	2.96	PASS
6888.88	6610.99	1794.07	512.25	14875.08	7177.48	1049.60	466.68	169.47	936.60	340.01	2.76	PASS
6925.00†	6645.37	1804.39	516.22	14878.35	7177.54	1049.44	469.95	160.90	924.82	348.05	2.66	PASS
7025.00†	6738.80	1832.44	537.75	14895.59	7177.86	1048.56	487.16	142.68	899.88	369.05	2.44	PASS
7125.00†	6827.86	1859.15	574.28	15005.16	7178.94	1046.73	596.66	126.04	885.31	390.92	2.27	PASS
7225.00†	6910.36	1883.87	624.90	15068.91	7178.96	1048.97	660.37	116.37	877.75	406.55	2.16	PASS
7285.00†	6955.86	1897.49	661.53	15103.80	7178.94	1050.50	695.23	111.90	876.52	414.09	2.12	PASS
7325.00†	6984.27	1905.99	688.37	15125.49	7178.94	1051.30	716.91	109.32	877.04	418.35	2.10	PASS
7425.00†	7047.75	1924.97	763.12	15185.39	7178.99	1052.73	776.79	103.53	882.16	427.19	2.07	PASS
7525.00†	7099.27	1940.34	847.32	15260.46	7179.06	1053.52	851.85	98.39	890.41	434.47	2.05	PASS
7625.00†	7137.53	1951.72	938.90	15339.00	7179.20	1053.90	930.39	94.46	898.83	440.69	2.04	PASS
7678.05†	7152.12	1956.03	989.70	15339.00	7179.20	1053.90	930.39	93.56	904.49	444.11	2.04	PASS
7725.00†	7161.61	1958.83	1035.59	15339.00	7179.20	1053.90	930.39	92.71	911.19	439.76	2.07	PASS
7825.00†	7170.90	1961.50	1135.02	15339.00	7179.20	1053.90	930.39	90.76	930.42	434.23	2.14	PASS
7840.20	7171.00	1961.51	1150.22	15339.00	7179.20	1053.90	930.39	90.45	933.89	433.02	2.16	PASS
7925.00†	7170.58	1961.28	1235.02	15339.00	7179.20	1053.90	930.39	90.45	957.19	424.82	2.26	PASS
8025.00†	7170.10	1961.00	1335.01	15339.00	7179.20	1053.90	930.39	90.45	993.30	412.59	2.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 164 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1765.00	1740.00	10.00	1745.19	703.40	-4936.77	698.54	-4905.69
9.625in Casing Surface	25.00	1779.00	1754.00	10.00	1759.13	703.40	-4936.77	698.48	-4905.27
8.5in Open Hole	1765.00	15339.00	13574.00	1745.19	7179.20	698.54	-4905.69	672.43	-2184.75

## WELLPATH COMPOSITION - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1725.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<108-1725>	HOOD 36C-22-M AWB
1725.00	15315.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1793-15315>	HOOD 36C-22-M AWB
15315.00	15339.00	Blind Drilling (std)	Projection to bit	HOOD 36C-22-M AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 36C-22-M AWB Offset Wellpath: HOOD 36C-22-M AWP

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 165 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,727'MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	7.00	25.00	1405.22	1672.78	49.97	2184.68	50.29	44.24	PASS
125.00†	125.00	0.00	0.00	107.00	125.00	1405.22	1672.78	49.97	2184.68	52.59	42.26	PASS
200.00	200.00	0.00	0.00	182.00	200.00	1405.22	1672.78	49.97	2184.68	54.32	40.89	PASS
225.00†	225.00	0.10	0.03	207.00	225.00	1405.22	1672.78	34.03	2184.59	54.90	40.46	PASS
325.00†	324.96	2.62	0.75	306.96	324.96	1405.22	1672.78	34.10	2182.42	57.22	38.75	PASS
425.00†	424.77	8.49	2.42	406.77	424.77	1405.22	1672.78	34.24	2177.37	59.58	37.11	PASS
525.00†	524.30	17.71	5.06	506.30	524.30	1405.22	1672.78	34.48	2169.45	61.93	35.54	PASS
625.00†	623.44	30.26	8.64	605.44	623.44	1405.22	1672.78	34.80	2158.68	64.11	34.06	PASS
725.00†	722.07	46.13	13.17	704.07	722.07	1405.22	1672.78	35.20	2145.10	66.46	32.63	PASS
825.00†	820.05	65.30	18.64	802.05	820.05	1405.22	1672.78	35.70	2128.75	68.80	31.27	PASS
925.00†	917.29	87.74	25.05	899.29	917.29	1405.22	1672.78	36.30	2109.68	71.14	29.96	PASS
1025.00†	1013.64	113.44	32.39	995.64	1013.64	1405.22	1672.78	37.00	2087.96	73.48	28.70	PASS
1067.21	1054.03	125.25	35.76	1036.03	1054.03	1405.22	1672.78	37.32	2078.01	74.46	28.18	PASS
1125.00†	1109.19	141.82	40.49	1091.19	1109.19	1405.22	1672.78	37.60	2064.11	75.80	27.49	PASS
1225.00†	1204.64	170.48	48.68	1186.64	1204.64	1405.22	1672.78	38.11	2040.17	78.12	26.36	PASS
1325.00†	1300.09	199.15	56.86	1282.09	1300.09	1405.22	1672.78	38.62	2016.38	80.46	25.29	PASS
1425.00†	1395.55	227.82	65.05	1377.55	1395.55	1405.22	1672.78	39.15	1992.76	82.82	24.27	PASS
1525.00†	1491.00	256.48	73.23	1473.00	1491.00	1405.22	1672.78	39.68	1969.30	85.20	23.31	PASS
1625.00†	1586.45	285.15	81.42	1568.45	1586.45	1405.22	1672.78	40.23	1946.02	87.61	22.40	PASS
1725.00†	1681.91	313.81	89.60	1663.91	1681.91	1405.22	1672.78	40.80	1922.92	90.04	21.53	PASS
1825.00†	1777.36	342.48	97.79	1759.36	1777.36	1405.22	1672.78	41.37	1900.01	92.16	20.73	PASS
1925.00†	1872.81	371.14	105.97	1854.81	1872.81	1405.22	1672.78	41.96	1877.29	94.39	20.00	PASS
2025.00†	1968.27	399.81	114.15	1950.27	1968.27	1405.22	1672.78	42.57	1854.77	96.63	19.30	PASS
2125.00†	2063.72	428.48	122.34	2045.72	2063.72	1405.22	1672.78	43.18	1832.46	98.89	18.63	PASS
2225.00†	2159.17	457.14	130.52	2141.17	2159.17	1405.22	1672.78	43.81	1810.36	101.16	17.99	PASS
2325.00†	2254.63	485.81	138.71	2236.63	2254.63	1405.22	1672.78	44.46	1788.49	103.44	17.38	PASS
2425.00†	2350.08	514.47	146.89	2332.08	2350.08	1405.22	1672.78	45.12	1766.85	105.74	16.79	PASS
2525.00†	2445.53	543.14	155.08	2427.53	2445.53	1405.22	1672.78	45.80	1745.45	108.05	16.23	PASS
2625.00†	2540.98	571.80	163.26	2522.98	2540.98	1405.22	1672.78	46.49	1724.30	110.37	15.69	PASS
2725.00†	2636.44	600.47	171.45	2618.44	2636.44	1405.22	1672.78	47.20	1703.42	112.71	15.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 166 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2713.89	2731.89	1405.22	1672.78	47.93	1682.79	115.06	14.69	PASS
2925.00†	2827.34	657.80	187.82	2809.34	2827.34	1405.22	1672.78	48.67	1662.45	117.42	14.22	PASS
3025.00†	2922.80	686.47	196.00	2904.80	2922.80	1405.22	1672.78	49.43	1642.40	119.80	13.77	PASS
3125.00†	3018.25	715.13	204.19	3000.25	3018.25	1405.22	1672.78	50.21	1622.65	122.19	13.33	PASS
3225.00†	3113.70	743.80	212.37	3095.70	3113.70	1405.22	1672.78	51.01	1603.21	124.59	12.92	PASS
3325.00†	3209.16	772.46	220.56	3191.16	3209.16	1405.22	1672.78	51.82	1584.09	127.00	12.52	PASS
3425.00†	3304.61	801.13	228.74	3286.61	3304.61	1405.22	1672.78	52.66	1565.30	129.43	12.14	PASS
3525.00†	3400.06	829.79	236.93	3382.06	3400.06	1405.22	1672.78	53.51	1546.87	131.86	11.78	PASS
3625.00†	3495.52	858.46	245.11	3477.52	3495.52	1405.22	1672.78	54.38	1528.79	134.31	11.42	PASS
3725.00†	3590.97	887.13	253.29	3572.97	3590.97	1405.22	1672.78	55.27	1511.08	136.77	11.09	PASS
3825.00†	3686.42	915.79	261.48	3668.42	3686.42	1405.22	1672.78	56.18	1493.76	139.24	10.77	PASS
3925.00†	3781.88	944.46	269.66	3763.88	3781.88	1405.22	1672.78	57.11	1476.83	141.72	10.46	PASS
4025.00†	3877.33	973.12	277.85	3859.33	3877.33	1405.22	1672.78	58.06	1460.32	144.21	10.16	PASS
4125.00†	3972.78	1001.79	286.03	3954.78	3972.78	1405.22	1672.78	59.03	1444.24	146.71	9.88	PASS
4225.00†	4068.23	1030.45	294.22	4050.23	4068.23	1405.22	1672.78	60.02	1428.59	149.22	9.60	PASS
4325.00†	4163.69	1059.12	302.40	4145.69	4163.69	1405.22	1672.78	61.03	1413.41	151.74	9.34	PASS
4425.00†	4259.14	1087.78	310.59	4241.14	4259.14	1405.22	1672.78	62.07	1398.69	154.27	9.09	PASS
4525.00†	4354.59	1116.45	318.77	4336.59	4354.59	1405.22	1672.78	63.12	1384.46	156.81	8.86	PASS
4625.00†	4450.05	1145.12	326.96	4432.05	4450.05	1405.22	1672.78	64.19	1370.73	159.35	8.63	PASS
4725.00†	4545.50	1173.78	335.14	4527.50	4545.50	1405.22	1672.78	65.28	1357.51	161.91	8.41	PASS
4825.00†	4640.95	1202.45	343.33	4622.95	4640.95	1405.22	1672.78	66.39	1344.83	164.47	8.20	PASS
4925.00†	4736.41	1231.11	351.51	4718.41	4736.41	1405.22	1672.78	67.52	1332.69	167.04	8.00	PASS
5025.00†	4831.86	1259.78	359.70	4813.86	4831.86	1405.22	1672.78	68.66	1321.11	169.61	7.81	PASS
5125.00†	4927.31	1288.44	367.88	4909.31	4927.31	1405.22	1672.78	69.83	1310.11	172.20	7.63	PASS
5225.00†	5022.77	1317.11	376.07	5004.77	5022.77	1405.22	1672.78	71.01	1299.70	174.79	7.46	PASS
5325.00†	5118.22	1345.78	384.25	5100.22	5118.22	1405.22	1672.78	72.21	1289.90	177.38	7.29	PASS
5425.00†	5213.67	1374.44	392.43	5195.67	5213.67	1405.22	1672.78	73.43	1280.71	179.98	7.13	PASS
5525.00†	5309.12	1403.11	400.62	5291.12	5309.12	1405.22	1672.78	74.66	1272.16	182.59	6.99	PASS
5625.00†	5404.58	1431.77	408.80	5386.58	5404.58	1405.22	1672.78	75.91	1264.25	185.20	6.84	PASS
5725.00†	5500.03	1460.44	416.99	5482.03	5500.03	1405.22	1672.78	77.17	1257.00	187.82	6.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 167 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,727'MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5577.48	5595.48	1405.22	1672.78	78.45	1250.42	190.44	6.58	PASS
5925.00†	5690.94	1517.77	433.36	5672.94	5690.94	1405.22	1672.78	79.73	1244.52	193.07	6.46	PASS
6025.00†	5786.39	1546.43	441.54	5768.39	5786.39	1405.22	1672.78	81.03	1239.31	195.70	6.35	PASS
6125.00†	5881.84	1575.10	449.73	5863.84	5881.84	1405.22	1672.78	82.33	1234.79	198.33	6.24	PASS
6225.00†	5977.30	1603.77	457.91	5959.30	5977.30	1405.22	1672.78	83.65	1230.98	200.97	6.14	PASS
6325.00†	6072.75	1632.43	466.10	6054.75	6072.75	1405.22	1672.78	84.97	1227.88	203.61	6.04	PASS
6425.00†	6168.20	1661.10	474.28	6150.20	6168.20	1405.22	1672.78	86.29	1225.51	206.26	5.95	PASS
6525.00†	6263.66	1689.76	482.47	6245.66	6263.66	1405.22	1672.78	87.62	1223.85	208.90	5.87	PASS
6625.00†	6359.11	1718.43	490.65	6341.11	6359.11	1405.22	1672.78	88.95	1222.91	211.55	5.79	PASS
6725.00†	6454.56	1747.09	498.84	6436.56	6454.56	1405.22	1672.78	90.29	1222.71	214.21	5.72	PASS
6825.00†	6550.01	1775.76	507.02	6532.01	6550.01	1405.22	1672.78	91.62	1223.23	216.86	5.65	PASS
6888.88	6610.99	1794.07	512.25	6592.99	6610.99	1405.22	1672.78	92.47	1223.94	218.56	5.61	PASS
6925.00†	6645.37	1804.39	516.22	6627.37	6645.37	1405.22	1672.78	83.50	1223.50	219.52	5.58	PASS
7025.00†	6738.80	1832.44	537.75	6720.80	6738.80	1405.22	1672.78	65.87	1212.76	222.42	5.46	PASS
7125.00†	6827.86	1859.15	574.28	6809.86	6827.86	1405.22	1672.78	57.01	1188.59	225.81	5.27	PASS
7225.00†	6910.36	1883.87	624.90	6892.36	6910.36	1405.22	1672.78	53.66	1152.02	228.95	5.04	PASS
7325.00†	6984.27	1905.99	688.37	6966.27	6984.27	1405.22	1672.78	54.01	1104.46	231.86	4.77	PASS
7425.00†	7047.75	1924.97	763.12	7029.75	7047.75	1405.22	1672.78	57.27	1047.67	234.55	4.47	PASS
7525.00†	7099.27	1940.34	847.32	7081.27	7099.27	1405.22	1672.78	63.09	983.73	237.06	4.16	PASS
7625.00†	7137.53	1951.72	938.90	7119.53	7137.53	1405.22	1672.78	71.01	915.00	239.40	3.83	PASS
7725.00†	7161.61	1958.83	1035.59	7143.61	7161.61	1405.22	1672.78	80.10	844.09	241.62	3.50	PASS
7825.00†	7170.90	1961.50	1135.02	7152.90	7170.90	1405.22	1672.78	89.01	773.71	243.71	3.18	PASS
7840.20	7171.00	1961.51	1150.22	7153.00	7171.00	1405.22	1672.78	90.27	763.23	244.02	3.13	PASS
7925.00†	7170.58	1961.28	1235.02	7152.58	7170.58	1405.22	1672.78	90.22	707.69	245.85	2.88	PASS
8025.00†	7170.10	1961.00	1335.01	7152.10	7170.10	1405.22	1672.78	90.17	650.36	248.42	2.62	PASS
8125.00†	7169.61	1960.73	1435.01	7151.61	7169.61	1405.22	1672.78	90.12	604.25	251.31	2.41	PASS
8225.00†	7169.12	1960.46	1535.01	7151.12	7169.12	1405.22	1672.78	90.07	572.07	254.19	2.25	PASS
8325.00†	7168.63	1960.18	1635.01	7150.63	7168.63	1405.22	1672.78	90.02	556.24	256.59	2.17	PASS
8364.47†	7168.43	1960.08	1674.48	7149.70	7167.70	1405.22	1672.78	89.92	554.85	257.28	2.16	PASS
8380.94†	7168.35	1960.03	1690.95	7150.35	7168.35	1405.22	1672.78	89.99	555.10	257.56	2.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 168 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8425.00†	7168.14	1959.91	1735.01	7150.14	7168.14	1405.22	1672.78	89.97	558.17	258.05	2.17	PASS
8525.00†	7167.65	1959.64	1835.01	7149.65	7167.65	1405.22	1672.78	89.92	577.66	258.39	2.24	PASS
8625.00†	7167.16	1959.37	1935.00	7149.16	7167.16	1405.22	1672.78	89.87	613.05	257.78	2.38	PASS
8725.00†	7166.67	1959.09	2035.00	7148.67	7166.67	1405.22	1672.78	89.82	661.80	256.55	2.58	PASS
8825.00†	7166.18	1958.82	2135.00	7148.18	7166.18	1405.22	1672.78	89.77	721.19	255.04	2.83	PASS
8925.00†	7165.69	1958.55	2235.00	7147.69	7165.69	1405.22	1672.78	89.72	788.83	253.49	3.12	PASS
9025.00†	7165.20	1958.27	2335.00	7147.20	7165.20	1405.22	1672.78	89.67	862.79	252.03	3.43	PASS
9125.00†	7164.71	1958.00	2435.00	7146.71	7164.71	1405.22	1672.78	89.62	941.56	250.72	3.76	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	520.00	520.00	-7.00	513.00	856.66	1019.70	856.66	1019.70
8.625in Casing Surface	0.00	520.00	520.00	-7.00	513.00	856.66	1019.70	856.66	1019.70
7.875in Open Hole	520.00	7232.00	6712.00	513.00	7225.00	856.66	1019.70	856.66	1019.70
4.5in Casing Production	0.00	7232.00	7232.00	-7.00	7225.00	856.66	1019.70	856.66	1019.70



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 169 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## WELLPATH COMPOSITION - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7272.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7272' FROM CO WEBSITE>	SCHAEFER #1-22 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWP

MD Reference: Rig on SLOT#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 170 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#15 TROUDT 1N-26C-L (900'FNL & 1760'FWL, SEC.27) Well: TROUDT 1N-26C-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-139.90	75.13	151.76	158.79	1.56	263.05	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-139.90	75.13	151.76	158.79	1.89	170.79	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-139.90	75.13	151.76	158.79	2.30	117.69	PASS
225.00†	225.00	0.10	0.03	226.07	226.07	-139.86	75.02	135.89	158.79	2.45	105.97	PASS
325.00†	324.96	2.62	0.75	330.24	330.19	-138.90	72.34	137.26	158.69	3.48	62.61	PASS
359.50†	359.42	4.27	1.22	366.39	366.30	-138.27	70.58	138.17	158.67	4.01	51.76	PASS
425.00†	424.77	8.49	2.42	433.94	433.68	-136.69	66.14	140.44	158.79	5.00	39.11	PASS
525.00†	524.30	17.71	5.06	536.80	536.02	-133.24	56.51	145.34	159.91	6.19	30.41	PASS
625.00†	623.44	30.26	8.64	638.48	636.77	-128.63	43.59	151.73	163.23	7.25	25.82	PASS
725.00†	722.07	46.13	13.17	736.71	733.74	-123.35	28.83	158.72	170.60	8.18	23.49	PASS
825.00†	820.05	65.30	18.64	833.64	829.41	-118.12	14.17	165.29	183.71	9.18	22.25	PASS
925.00†	917.29	87.74	25.05	929.85	924.37	-112.92	-0.38	171.09	202.39	10.20	21.80	PASS
1025.00†	1013.64	113.44	32.39	1025.24	1018.52	-107.76	-14.81	175.97	226.23	11.24	21.93	PASS
1067.21	1054.03	125.25	35.76	1065.22	1057.99	-105.60	-20.86	177.75	237.73	11.26	23.00	PASS
1125.00†	1109.19	141.82	40.49	1119.85	1111.91	-102.65	-29.12	179.96	254.20	12.12	22.70	PASS
1225.00†	1204.64	170.48	48.68	1214.37	1205.20	-97.54	-43.41	176.83	283.41	12.90	23.66	PASS
1325.00†	1300.09	199.15	56.86	1308.90	1298.50	-92.43	-57.71	174.21	313.29	13.73	24.46	PASS
1425.00†	1395.55	227.82	65.05	1403.43	1391.80	-87.33	-72.00	172.05	343.67	14.59	25.15	PASS
1525.00†	1491.00	256.48	73.23	1497.95	1485.10	-82.22	-86.30	170.23	374.44	15.48	25.74	PASS
1625.00†	1586.45	285.15	81.42	1592.48	1578.40	-77.11	-100.59	168.69	405.49	16.38	26.23	PASS
1725.00†	1681.91	313.81	89.60	1687.00	1671.70	-72.00	-114.89	167.37	436.78	17.32	26.65	PASS
1825.00†	1777.36	342.48	97.79	1781.53	1765.00	-66.89	-129.19	166.22	468.25	17.71	27.51	PASS
1925.00†	1872.81	371.14	105.97	1876.05	1858.29	-61.79	-143.48	165.21	499.87	17.93	28.98	PASS
2025.00†	1968.27	399.81	114.15	1970.58	1951.59	-56.68	-157.78	164.33	531.61	18.10	30.53	PASS
2125.00†	2063.72	428.48	122.34	2065.10	2044.89	-51.57	-172.07	163.54	563.45	18.34	31.92	PASS
2225.00†	2159.17	457.14	130.52	2159.63	2138.19	-46.46	-186.37	162.84	595.38	18.64	33.16	PASS
2325.00†	2254.63	485.81	138.71	2254.15	2231.49	-41.35	-200.66	162.21	627.38	19.01	34.24	PASS
2425.00†	2350.08	514.47	146.89	2348.68	2324.79	-36.25	-214.96	161.64	659.45	19.44	35.17	PASS
2525.00†	2445.53	543.14	155.08	2443.20	2418.08	-31.14	-229.25	161.12	691.56	19.92	35.96	PASS
2625.00†	2540.98	571.80	163.26	2537.73	2511.38	-26.03	-243.55	160.65	723.73	20.46	36.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 171 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#15 TROUDT 1N-26C-L (900'FNL & 1760'FWL, SEC.27) Well: TROUDT 1N-26C-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2725.00†	2636.44	600.47	171.45	2632.25	2604.68	-20.92	-257.84	-160.22	755.93	21.04	37.15	PASS
2825.00†	2731.89	629.13	179.63	2726.78	2697.98	-15.82	-272.14	-159.82	788.17	21.67	37.57	PASS
2925.00†	2827.34	657.80	187.82	2821.30	2791.28	-10.71	-286.44	-159.46	820.44	22.33	37.90	PASS
3025.00†	2922.80	686.47	196.00	2915.83	2884.58	-5.60	-300.73	-159.12	852.74	23.04	38.15	PASS
3125.00†	3018.25	715.13	204.19	3010.36	2977.87	-0.49	-315.03	-158.81	885.06	23.78	38.34	PASS
3225.00†	3113.70	743.80	212.37	3104.88	3071.17	4.62	-329.32	-158.51	917.40	24.54	38.46	PASS
3325.00†	3209.16	772.46	220.56	3199.41	3164.47	9.72	-343.62	-158.24	949.77	25.34	38.53	PASS
3425.00†	3304.61	801.13	228.74	3293.93	3257.77	14.83	-357.91	-157.99	982.15	26.16	38.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1733.88	-85.28	45.80	-63.55	-15.02
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.88	-85.28	45.80	-63.55	-15.02
8.5in Open Hole	1750.00	16539.93	14789.93	1733.88	7027.00	-63.55	-15.02	17.93	2722.88



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 172 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**SURVEY PROGRAM - Offset Wellbore: TROUDT 1N-26C-L PWB    Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-26C-L PWB
1750.00	16539.93	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-26C-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-26C-L PWB    Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 173 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 25C-22-M AWB Offset Wellpath: HOOD 25C-22-M AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#02 HOOD 25C-22-M (745'FSL & 1122'FEL SEC.20) Well: HOOD 25C-22-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14270.70	7159.82	3040.23	-403.64	-7.56	7766.05	164.60	47.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 25C-22-M AWB Offset Wellpath: HOOD 25C-22-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 25C-22-M AWB Offset Wellpath: HOOD 25C-22-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1762.00	1737.00	10.00	1720.95	849.80	-4937.03	913.20	-4914.04
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1720.95	849.80	-4937.03	913.20	-4914.04
8.5in Open Hole	1762.00	15615.00	13853.00	1720.95	7164.89	913.20	-4914.04	1349.81	-2182.69

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 25C-22-M AWB Offset Wellpath: HOOD 25C-22-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 25C-22-M AWB
1712.00	15591.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-15591>	HOOD 25C-22-M AWB
15591.00	15615.00	Blind Drilling (std)	Projection to bit	HOOD 25C-22-M AWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 174 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 25C-22-M AWB Offset Wellpath: HOOD 25C-22-M AWP	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 175 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#16 TROUDT 1N-26B-L (920'FNL & 1760'FWL, SEC.27) Well: TROUDT 1N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-159.93	75.13	154.84	176.70	1.56	292.90	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-159.93	75.13	154.84	176.70	1.89	190.47	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-159.93	75.13	154.84	176.70	2.31	130.71	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-159.93	75.13	138.93	176.78	2.45	118.25	PASS
325.00†	324.96	2.62	0.75	325.86	325.86	-159.92	75.01	139.49	178.70	3.26	77.37	PASS
425.00†	424.77	8.49	2.42	429.13	429.08	-159.47	72.26	141.47	181.95	4.48	51.46	PASS
525.00†	524.30	17.71	5.06	531.69	531.44	-158.45	65.88	144.98	186.50	5.68	39.37	PASS
625.00†	623.44	30.26	8.64	633.13	632.38	-156.86	56.03	149.78	193.23	6.74	33.30	PASS
725.00†	722.07	46.13	13.17	733.04	731.40	-154.74	42.88	155.49	203.27	7.76	29.76	PASS
825.00†	820.05	65.30	18.64	829.88	827.03	-152.33	27.87	161.35	217.93	8.77	27.80	PASS
925.00†	917.29	87.74	25.05	925.46	921.42	-149.93	12.98	166.62	238.02	9.81	26.81	PASS
1025.00†	1013.64	113.44	32.39	1020.11	1014.88	-147.56	-1.76	171.17	263.22	10.84	26.55	PASS
1067.21	1054.03	125.25	35.76	1059.76	1054.04	-146.56	-7.93	172.88	275.31	11.24	26.69	PASS
1125.00†	1109.19	141.82	40.49	1113.91	1107.51	-145.21	-16.37	175.04	292.61	11.70	27.17	PASS
1225.00†	1204.64	170.48	48.68	1207.61	1200.04	-142.86	-30.96	178.24	323.34	12.44	28.08	PASS
1325.00†	1300.09	199.15	56.86	1301.32	1292.56	-140.51	-45.56	179.11	354.84	13.26	28.79	PASS
1425.00†	1395.55	227.82	65.05	1395.02	1385.09	-138.16	-60.15	176.88	386.94	14.09	29.41	PASS
1525.00†	1491.00	256.48	73.23	1488.72	1477.62	-135.81	-74.74	174.99	419.49	14.92	29.98	PASS
1625.00†	1586.45	285.15	81.42	1582.42	1570.15	-133.46	-89.34	173.37	452.39	15.77	30.48	PASS
1725.00†	1681.91	313.81	89.60	1676.12	1662.68	-131.11	-103.93	171.97	485.57	16.65	30.90	PASS
1825.00†	1777.36	342.48	97.79	1769.82	1755.21	-128.76	-118.52	170.75	518.99	17.03	31.76	PASS
1925.00†	1872.81	371.14	105.97	1863.53	1847.74	-126.41	-133.12	169.67	552.59	17.26	33.34	PASS
2025.00†	1968.27	399.81	114.15	1957.23	1940.26	-124.06	-147.71	168.72	586.35	17.42	35.04	PASS
2125.00†	2063.72	428.48	122.34	2050.93	2032.79	-121.71	-162.31	167.86	620.23	17.65	36.57	PASS
2225.00†	2159.17	457.14	130.52	2144.63	2125.32	-119.37	-176.90	167.10	654.23	17.95	37.91	PASS
2325.00†	2254.63	485.81	138.71	2238.33	2217.85	-117.02	-191.49	166.41	688.32	18.31	39.06	PASS
2425.00†	2350.08	514.47	146.89	2332.04	2310.38	-114.67	-206.09	165.79	722.49	18.74	40.03	PASS
2525.00†	2445.53	543.14	155.08	2425.74	2402.91	-112.32	-220.68	165.22	756.73	19.22	40.83	PASS
2625.00†	2540.98	571.80	163.26	2519.44	2495.44	-109.97	-235.28	164.70	791.02	19.76	41.48	PASS
2725.00†	2636.44	600.47	171.45	2613.14	2587.96	-107.62	-249.87	164.22	825.38	20.35	41.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 176 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#16 TROUDT 1N-26B-L (920'FNL & 1760'FWL, SEC.27) Well: TROUDT 1N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2706.84	2680.49	-105.27	-264.46	-163.79	859.77	20.98	42.39	PASS
2925.00†	2827.34	657.80	187.82	2800.54	2773.02	-102.92	-279.06	-163.38	894.21	21.65	42.68	PASS
3025.00†	2922.80	686.47	196.00	2894.25	2865.55	-100.57	-293.65	-163.01	928.69	22.35	42.88	PASS
3125.00†	3018.25	715.13	204.19	2987.95	2958.08	-98.22	-308.24	-162.66	963.20	23.09	43.00	PASS
3225.00†	3113.70	743.80	212.37	3081.65	3050.61	-95.87	-322.84	-162.34	997.74	23.86	43.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1735.63	-97.50	45.80	-88.15	-12.29
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.63	-97.50	45.80	-88.15	-12.29
8.5in Open Hole	25.00	16467.87	16442.87	25.00	6962.00	-97.50	45.80	-55.36	2723.92

## SURVEY PROGRAM - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-26B-L PWB
1750.00	16467.87	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-26B-L PWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 177 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 178 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-6.00	25.00	2845.84	7863.99	70.11	8363.08	25.57	339.90	PASS
125.00†	125.00	0.00	0.00	85.59	116.59	2845.88	7864.02	70.11	8363.13	50.17	169.93	PASS
200.00	200.00	0.00	0.00	161.29	192.29	2845.95	7864.08	70.11	8363.21	50.18	169.90	PASS
225.00†	225.00	0.10	0.03	187.19	218.19	2845.96	7864.10	54.17	8363.16	50.19	169.88	PASS
325.00†	324.96	2.62	0.75	300.85	331.85	2845.90	7864.13	54.21	8361.64	50.21	169.76	PASS
425.00†	424.77	8.49	2.42	450.34	481.33	2845.29	7863.39	54.33	8357.35	50.26	169.52	PASS
525.00†	524.30	17.71	5.06	557.11	588.11	2845.21	7862.76	54.49	8351.19	50.32	169.17	PASS
625.00†	623.44	30.26	8.64	653.55	684.54	2844.92	7861.96	54.70	8342.71	50.40	168.74	PASS
725.00†	722.07	46.13	13.17	771.20	802.18	2844.38	7861.31	54.98	8332.46	50.49	168.21	PASS
825.00†	820.05	65.30	18.64	872.44	903.42	2843.40	7860.51	55.31	8319.83	50.61	167.56	PASS
925.00†	917.29	87.74	25.05	961.92	992.89	2842.44	7859.95	55.67	8305.40	50.75	166.81	PASS
1025.00†	1013.64	113.44	32.39	1085.39	1116.36	2841.53	7858.94	56.14	8289.03	50.93	165.87	PASS
1067.21	1054.03	125.25	35.76	1128.32	1159.28	2841.04	7858.53	56.35	8281.44	51.02	165.44	PASS
1125.00†	1109.19	141.82	40.49	1179.23	1210.18	2840.44	7858.07	56.44	8270.87	51.13	164.85	PASS
1225.00†	1204.64	170.48	48.68	1251.97	1282.92	2839.64	7857.49	56.57	8252.76	51.35	163.78	PASS
1325.00†	1300.09	199.15	56.86	1336.20	1367.15	2839.05	7856.97	56.72	8235.00	51.60	162.62	PASS
1425.00†	1395.55	227.82	65.05	1432.29	1463.23	2838.24	7856.33	56.89	8217.24	51.89	161.35	PASS
1525.00†	1491.00	256.48	73.23	1499.83	1530.77	2837.80	7856.01	57.02	8199.78	52.19	160.06	PASS
1625.00†	1586.45	285.15	81.42	1617.50	1648.43	2836.92	7855.45	57.23	8182.36	52.55	158.60	PASS
1725.00†	1681.91	313.81	89.60	1683.27	1714.20	2836.41	7855.22	57.35	8165.13	52.90	157.19	PASS
1825.00†	1777.36	342.48	97.79	1761.20	1792.13	2835.83	7855.19	57.49	8148.27	52.86	156.21	PASS
1925.00†	1872.81	371.14	105.97	1846.20	1877.12	2834.97	7855.36	57.65	8131.64	52.93	155.70	PASS
2025.00†	1968.27	399.81	114.15	1921.05	1951.97	2834.41	7855.55	57.79	8115.22	53.00	155.17	PASS
2125.00†	2063.72	428.48	122.34	1975.37	2006.29	2834.05	7855.92	57.89	8099.28	53.07	154.66	PASS
2225.00†	2159.17	457.14	130.52	2105.62	2136.52	2832.90	7857.15	58.14	8083.65	53.19	154.01	PASS
2325.00†	2254.63	485.81	138.71	2204.00	2234.90	2831.74	7857.77	58.33	8067.70	53.32	153.34	PASS
2425.00†	2350.08	514.47	146.89	2311.87	2342.76	2830.58	7858.31	58.53	8051.73	53.46	152.61	PASS
2525.00†	2445.53	543.14	155.08	2519.56	2550.42	2827.55	7858.34	58.94	8035.53	53.71	151.60	PASS
2625.00†	2540.98	571.80	163.26	2630.79	2661.64	2825.82	7857.19	59.15	8018.21	53.93	150.65	PASS
2725.00†	2636.44	600.47	171.45	2721.86	2752.67	2823.77	7856.36	59.33	8000.90	54.14	149.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 179 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2918.25	2949.00	2819.00	7854.12	59.73	7983.75	54.46	148.51	PASS
2925.00†	2827.34	657.80	187.82	3060.08	3090.75	2816.01	7850.46	60.01	7965.13	54.78	147.30	PASS
3025.00†	2922.80	686.47	196.00	3195.46	3226.04	2814.04	7846.03	60.27	7946.16	55.10	146.07	PASS
3125.00†	3018.25	715.13	204.19	3278.15	3308.67	2813.58	7842.94	60.43	7927.07	55.39	144.95	PASS
3225.00†	3113.70	743.80	212.37	3347.89	3378.36	2813.92	7840.30	60.55	7908.27	55.67	143.86	PASS
3325.00†	3209.16	772.46	220.56	3408.54	3438.96	2814.81	7838.07	60.66	7889.90	55.96	142.79	PASS
3425.00†	3304.61	801.13	228.74	3449.49	3479.88	2815.58	7836.77	60.73	7872.16	56.23	141.77	PASS
3525.00†	3400.06	829.79	236.93	3490.54	3520.91	2816.40	7835.76	60.80	7855.15	56.51	140.76	PASS
3625.00†	3495.52	858.46	245.11	3569.74	3600.08	2818.13	7834.19	60.94	7838.71	56.84	139.63	PASS
3725.00†	3590.97	887.13	253.29	3643.60	3673.91	2819.84	7832.80	61.07	7822.48	57.17	138.52	PASS
3825.00†	3686.42	915.79	261.48	3710.91	3741.19	2821.38	7831.81	61.18	7806.67	57.51	137.44	PASS
3925.00†	3781.88	944.46	269.66	3789.55	3819.80	2823.18	7830.88	61.32	7791.21	57.86	136.32	PASS
4025.00†	3877.33	973.12	277.85	3870.33	3900.56	2825.15	7830.07	61.47	7776.02	58.22	135.21	PASS
4125.00†	3972.78	1001.79	286.03	3946.44	3976.63	2827.23	7829.41	61.60	7761.11	58.58	134.10	PASS
4225.00†	4068.23	1030.45	294.22	4018.89	4049.06	2829.15	7829.02	61.73	7746.54	58.94	133.01	PASS
4325.00†	4163.69	1059.12	302.40	4089.51	4119.65	2831.08	7828.86	61.85	7732.36	59.31	131.93	PASS
4425.00†	4259.14	1087.78	310.59	4154.19	4184.30	2833.03	7828.91	61.97	7718.59	59.68	130.86	PASS
4525.00†	4354.59	1116.45	318.77	4229.74	4259.81	2835.61	7829.22	62.10	7705.28	60.07	129.79	PASS
4625.00†	4450.05	1145.12	326.96	4346.59	4376.58	2839.62	7829.67	62.30	7692.03	60.50	128.63	PASS
4725.00†	4545.50	1173.78	335.14	4441.41	4471.36	2842.52	7829.84	62.47	7678.59	60.93	127.49	PASS
4825.00†	4640.95	1202.45	343.33	4512.46	4542.36	2845.20	7830.09	62.59	7665.50	61.34	126.41	PASS
4925.00†	4736.41	1231.11	351.51	4609.76	4639.59	2848.81	7830.58	62.76	7652.64	61.79	125.27	PASS
5025.00†	4831.86	1259.78	359.70	4721.01	4750.77	2852.78	7830.99	62.96	7639.66	62.26	124.11	PASS
5125.00†	4927.31	1288.44	367.88	4795.35	4825.07	2855.25	7831.38	63.09	7626.87	62.70	123.02	PASS
5225.00†	5022.77	1317.11	376.07	5003.00	5032.64	2860.65	7831.32	63.47	7613.37	63.29	121.64	PASS
5325.00†	5118.22	1345.78	384.25	5081.03	5110.66	2862.27	7830.98	63.62	7599.57	63.77	120.49	PASS
5425.00†	5213.67	1374.44	392.43	5181.11	5210.73	2863.63	7830.81	63.81	7585.98	64.28	119.31	PASS
5525.00†	5309.12	1403.11	400.62	5250.21	5279.83	2864.26	7830.79	63.95	7572.53	64.76	118.22	PASS
5625.00†	5404.58	1431.77	408.80	5329.00	5358.61	2864.80	7831.17	64.10	7559.58	65.24	117.13	PASS
5725.00†	5500.03	1460.44	416.99	5452.42	5482.03	2864.85	7831.60	64.36	7546.46	65.76	115.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 180 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5547.25	5576.86	2864.59	7831.88	64.55	7533.37	66.28	114.88	PASS
5925.00†	5690.94	1517.77	433.36	5640.80	5670.41	2864.21	7832.19	64.75	7520.38	66.80	113.78	PASS
6025.00†	5786.39	1546.43	441.54	5734.88	5764.49	2864.15	7832.48	64.95	7507.52	67.33	112.68	PASS
6125.00†	5881.84	1575.10	449.73	5832.71	5862.32	2864.68	7832.67	65.15	7494.74	67.87	111.58	PASS
6225.00†	5977.30	1603.77	457.91	5923.58	5953.18	2865.13	7832.82	65.33	7482.03	68.42	110.49	PASS
6325.00†	6072.75	1632.43	466.10	5995.42	5995.42	2865.03	7833.07	65.48	7469.64	68.95	109.45	PASS
6425.00†	6168.20	1661.10	474.28	6099.47	6129.06	2866.96	7833.49	65.69	7457.45	69.52	108.36	PASS
6525.00†	6263.66	1689.76	482.47	6226.01	6255.60	2868.01	7833.73	65.95	7445.09	70.13	107.23	PASS
6625.00†	6359.11	1718.43	490.65	6339.19	6368.78	2868.44	7833.59	66.19	7432.45	70.75	106.11	PASS
6725.00†	6454.56	1747.09	498.84	6429.32	6458.90	2868.97	7833.41	66.37	7419.88	71.34	105.04	PASS
6825.00†	6550.01	1775.76	507.02	6512.54	6542.12	2869.42	7833.35	66.55	7407.51	71.93	104.00	PASS
6888.88	6610.99	1794.07	512.25	6555.62	6585.21	2869.57	7833.42	66.64	7399.79	72.29	103.37	PASS
6925.00†	6645.37	1804.39	516.22	6579.90	6609.49	2869.62	7833.52	57.14	7394.51	72.50	102.99	PASS
7025.00†	6738.80	1832.44	537.75	6665.12	6694.71	2869.72	7834.01	37.54	7369.75	73.32	101.49	PASS
7125.00†	6827.86	1859.15	574.28	6761.65	6791.23	2869.88	7834.54	25.75	7330.37	74.59	99.20	PASS
7225.00†	6910.36	1883.87	624.90	6848.39	6877.97	2870.13	7834.90	18.21	7277.22	75.73	96.99	PASS
7325.00†	6984.27	1905.99	688.37	6954.69	6984.27	2870.26	7835.00	12.76	7211.39	76.89	94.65	PASS
7425.00†	7047.75	1924.97	763.12	7018.17	7047.75	2870.26	7835.00	7.90	7134.78	77.98	92.32	PASS
7525.00†	7099.27	1940.34	847.32	7069.69	7099.27	2870.26	7835.00	2.38	7049.28	79.02	90.01	PASS
7625.00†	7137.53	1951.72	938.90	7107.95	7137.53	2870.26	7835.00	-6.30	6957.01	79.76	88.00	PASS
7725.00†	7161.61	1958.83	1035.59	7132.03	7161.61	2870.26	7835.00	-26.53	6860.23	80.26	86.23	PASS
7825.00†	7170.90	1961.50	1135.02	7141.32	7170.90	2870.26	7835.00	-82.21	6761.33	80.38	84.86	PASS
7840.20	7171.00	1961.51	1150.22	7141.42	7171.00	2870.26	7835.00	-92.02	6746.27	80.37	84.68	PASS
7925.00†	7170.58	1961.28	1235.02	7141.00	7170.58	2870.26	7835.00	-92.00	6662.29	80.28	83.72	PASS
8025.00†	7170.10	1961.00	1335.01	7140.51	7170.10	2870.26	7835.00	-91.97	6563.28	80.18	82.58	PASS
8125.00†	7169.61	1960.73	1435.01	7140.03	7169.61	2870.26	7835.00	-91.94	6464.30	80.09	81.42	PASS
8225.00†	7169.12	1960.46	1535.01	7139.54	7169.12	2870.26	7835.00	-91.91	6365.35	80.02	80.25	PASS
8325.00†	7168.63	1960.18	1635.01	7139.05	7168.63	2870.26	7835.00	-91.88	6266.43	79.95	79.07	PASS
8425.00†	7168.14	1959.91	1735.01	7138.56	7168.14	2870.26	7835.00	-91.85	6167.55	79.90	77.87	PASS
8525.00†	7167.65	1959.64	1835.01	7138.07	7167.65	2870.26	7835.00	-91.82	6068.71	79.86	76.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 181 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	7137.58	7167.16	2870.26	7835.00	-91.78	5969.90	79.83	75.44	PASS
8725.00†	7166.67	1959.09	2035.00	7137.09	7166.67	2870.26	7835.00	-91.75	5871.13	79.83	74.20	PASS
8825.00†	7166.18	1958.82	2135.00	7136.60	7166.18	2870.26	7835.00	-91.72	5772.41	79.84	72.94	PASS
8925.00†	7165.69	1958.55	2235.00	7136.11	7165.69	2870.26	7835.00	-91.69	5673.73	79.87	71.66	PASS
9025.00†	7165.20	1958.27	2335.00	7135.62	7165.20	2870.26	7835.00	-91.66	5575.10	79.93	70.37	PASS
9125.00†	7164.71	1958.00	2435.00	7135.13	7164.71	2870.26	7835.00	-91.63	5476.52	80.01	69.05	PASS
9225.00†	7164.22	1957.73	2534.99	7134.64	7164.22	2870.26	7835.00	-91.60	5377.99	80.11	67.72	PASS
9325.00†	7163.73	1957.46	2634.99	7134.15	7163.73	2870.26	7835.00	-91.57	5279.52	80.25	66.36	PASS
9425.00†	7163.24	1957.18	2734.99	7133.66	7163.24	2870.26	7835.00	-91.54	5181.10	80.42	64.99	PASS
9525.00†	7162.75	1956.91	2834.99	7133.17	7162.75	2870.26	7835.00	-91.51	5082.75	80.63	63.59	PASS
9625.00†	7162.26	1956.64	2934.99	7132.68	7162.26	2870.26	7835.00	-91.48	4984.46	80.87	62.17	PASS
9725.00†	7161.77	1956.36	3034.99	7132.19	7161.77	2870.26	7835.00	-91.45	4886.24	81.16	60.73	PASS
9825.00†	7161.28	1956.09	3134.99	7131.70	7161.28	2870.26	7835.00	-91.42	4788.10	81.49	59.26	PASS
9925.00†	7160.79	1955.82	3234.98	7131.21	7160.79	2870.26	7835.00	-91.39	4690.03	81.87	57.77	PASS
10025.00†	7160.30	1955.55	3334.98	7130.72	7160.30	2870.26	7835.00	-91.36	4592.05	82.31	56.26	PASS
10125.00†	7159.81	1955.27	3434.98	7130.23	7159.81	2870.26	7835.00	-91.33	4494.15	82.81	54.73	PASS
10225.00†	7159.32	1955.00	3534.98	7129.74	7159.32	2870.26	7835.00	-91.30	4396.35	83.38	53.17	PASS
10325.00†	7158.83	1954.73	3634.98	7129.25	7158.83	2870.26	7835.00	-91.27	4298.65	84.02	51.59	PASS
10425.00†	7158.34	1954.45	3734.98	7128.76	7158.34	2870.26	7835.00	-91.24	4201.06	84.73	49.99	PASS
10525.00†	7157.85	1954.18	3834.97	7128.27	7157.85	2870.26	7835.00	-91.21	4103.59	85.53	48.37	PASS
10625.00†	7157.36	1953.91	3934.97	7127.78	7157.36	2870.26	7835.00	-91.18	4006.24	86.43	46.73	PASS
10725.00†	7156.87	1953.64	4034.97	7127.29	7156.87	2870.26	7835.00	-91.15	3909.02	87.42	45.07	PASS
10825.00†	7156.38	1953.36	4134.97	7126.80	7156.38	2870.26	7835.00	-91.12	3811.95	88.52	43.40	PASS
10925.00†	7155.89	1953.09	4234.97	7126.31	7155.89	2870.26	7835.00	-91.09	3715.03	89.74	41.72	PASS
11025.00†	7155.40	1952.82	4334.97	7125.82	7155.40	2870.26	7835.00	-91.06	3618.28	91.08	40.03	PASS
11125.00†	7154.92	1952.55	4434.96	7125.34	7154.92	2870.26	7835.00	-91.03	3521.71	92.56	38.33	PASS
11225.00†	7154.43	1952.27	4534.96	7124.85	7154.43	2870.26	7835.00	-91.00	3425.34	94.19	36.63	PASS
11325.00†	7153.94	1952.00	4634.96	7124.36	7153.94	2870.26	7835.00	-90.97	3329.18	95.99	34.93	PASS
11425.00†	7153.45	1951.73	4734.96	7123.87	7153.45	2870.26	7835.00	-90.94	3233.26	97.95	33.24	PASS
11525.00†	7152.96	1951.45	4834.96	7123.38	7152.96	2870.26	7835.00	-90.91	3137.59	100.11	31.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 182 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	7122.89	7152.47	2870.26	7835.00	-90.88	3042.20	102.47	29.89	PASS
11725.00†	7151.98	1950.91	5034.96	7122.40	7151.98	2870.26	7835.00	-90.85	2947.11	105.06	28.23	PASS
11825.00†	7151.49	1950.64	5134.95	7121.91	7151.49	2870.26	7835.00	-90.82	2852.36	107.89	26.61	PASS
11925.00†	7151.00	1950.36	5234.95	7121.42	7151.00	2870.26	7835.00	-90.79	2757.98	110.99	25.00	PASS
12025.00†	7150.51	1950.09	5334.95	7120.93	7150.51	2870.26	7835.00	-90.76	2664.01	114.38	23.43	PASS
12125.00†	7150.02	1949.82	5434.95	7120.44	7150.02	2870.26	7835.00	-90.73	2570.50	118.08	21.89	PASS
12225.00†	7149.53	1949.54	5534.95	7119.95	7149.53	2870.26	7835.00	-90.70	2477.49	122.13	20.40	PASS
12325.00†	7149.04	1949.27	5634.95	7119.46	7149.04	2870.26	7835.00	-90.67	2385.05	126.56	18.95	PASS
12425.00†	7148.55	1949.00	5734.94	7118.97	7148.55	2870.26	7835.00	-90.64	2293.24	131.40	17.54	PASS
12525.00†	7148.06	1948.73	5834.94	7118.48	7148.06	2870.26	7835.00	-90.61	2202.15	136.71	16.19	PASS
12625.00†	7147.57	1948.45	5934.94	7117.99	7147.57	2870.26	7835.00	-90.57	2111.86	142.51	14.89	PASS
12725.00†	7147.08	1948.18	6034.94	7117.50	7147.08	2870.26	7835.00	-90.54	2022.49	148.88	13.65	PASS
12825.00†	7146.59	1947.91	6134.94	7117.01	7146.59	2870.26	7835.00	-90.51	1934.16	155.85	12.46	PASS
12925.00†	7146.10	1947.63	6234.94	7116.52	7146.10	2870.26	7835.00	-90.48	1847.01	163.50	11.34	PASS
13025.00†	7145.61	1947.36	6334.94	7116.03	7145.61	2870.26	7835.00	-90.45	1761.23	171.89	10.28	PASS
13125.00†	7145.12	1947.09	6434.93	7115.54	7145.12	2870.26	7835.00	-90.42	1677.03	181.09	9.29	PASS
13225.00†	7144.63	1946.82	6534.93	7115.05	7144.63	2870.26	7835.00	-90.39	1594.66	191.17	8.37	PASS
13325.00†	7144.14	1946.54	6634.93	7114.56	7144.14	2870.26	7835.00	-90.36	1514.41	202.21	7.51	PASS
13425.00†	7143.65	1946.27	6734.93	7114.07	7143.65	2870.26	7835.00	-90.33	1436.64	214.27	6.72	PASS
13525.00†	7143.16	1946.00	6834.93	7113.58	7143.16	2870.26	7835.00	-90.30	1361.77	227.39	6.00	PASS
13625.00†	7142.67	1945.72	6934.93	7113.09	7142.67	2870.26	7835.00	-90.27	1290.31	241.58	5.35	PASS
13725.00†	7142.18	1945.45	7034.92	7112.60	7142.18	2870.26	7835.00	-90.24	1222.87	256.80	4.77	PASS
13825.00†	7141.69	1945.18	7134.92	7112.11	7141.69	2870.26	7835.00	-90.21	1160.13	272.91	4.26	PASS
13925.00†	7141.20	1944.91	7234.92	7111.62	7141.20	2870.26	7835.00	-90.18	1102.90	289.68	3.81	PASS
14025.00†	7140.71	1944.63	7334.92	7111.13	7140.71	2870.26	7835.00	-90.15	1052.08	306.71	3.44	PASS
14125.00†	7140.23	1944.36	7434.92	7110.65	7140.23	2870.26	7835.00	-90.12	1008.64	323.43	3.12	PASS
14225.00†	7139.74	1944.09	7534.92	7110.16	7139.74	2870.26	7835.00	-90.09	973.58	339.10	2.87	PASS
14325.00†	7139.25	1943.82	7634.91	7109.67	7139.25	2870.26	7835.00	-90.06	947.81	352.87	2.69	PASS
14425.00†	7138.76	1943.54	7734.91	7109.18	7138.76	2870.26	7835.00	-90.03	932.11	363.89	2.56	PASS
14522.75†	7138.28	1943.28	7832.67	7109.41	7138.99	2870.26	7835.00	-90.04	926.99	371.36	2.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 183 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14525.00†	7138.27	1943.27	7834.91	7108.69	7138.27	2870.26	7835.00	-90.00	926.99	371.48	2.50	PASS
14593.18†	7137.93	1943.08	7903.09	7108.35	7137.93	2870.26	7835.00	-89.98	929.68	374.47	2.49	PASS
14625.00†	7137.78	1943.00	7934.91	7108.20	7137.78	2870.26	7835.00	-89.97	932.63	375.24	2.49	PASS
14725.00†	7137.29	1942.72	8034.91	7107.71	7137.29	2870.26	7835.00	-89.94	948.84	375.19	2.53	PASS
14825.00†	7136.80	1942.45	8134.91	7107.22	7136.80	2870.26	7835.00	-89.91	975.08	371.70	2.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6850.00	BHI Generic gyro - continuous (Standard)	VES SURVEY INTERNATIONAL GYRO SURVEYS PROVIDED BY SRC <100'-6850'>	EX. OGILVY 1 AWB
6850.00	7728.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <6900'-7728'>	EX. OGILVY 1 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. OGILVY 1 AWB Offset Wellpath: EX. OGILVY 1 AWP**

MD Reference: Rig on SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 184 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#12 HOOD 36N-22C-M (485'FSL & 1122'FEL SEC.20) Well: HOOD 36N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14186.07	7060.62	863.82	-159.34	-10.45	7090.24	109.96	65.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1755.00	1730.00	10.00	1732.42	691.19	-4936.77	667.98	-4902.80
9.625in Casing Surface	25.00	1767.00	1742.00	10.00	1744.34	691.19	-4936.77	667.79	-4902.43
8.5in Open Hole	1755.00	15267.00	13512.00	1732.42	7080.20	667.98	-4902.80	602.16	-2187.70

## WELLPATH COMPOSITION - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1714.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<107-1714>	HOOD 36N-22C-M AWB
1714.00	15243.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1804-15243>	HOOD 36N-22C-M AWB
15243.00	15267.00	Blind Drilling (std)	Projection to bit	HOOD 36N-22C-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 185 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 36N-22C-M AWP Offset Wellpath: HOOD 36N-22C-M AWP	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 186 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#17 TROUDT 1C-26-L (920'FNL & 1760'FWL, SEC.27) Well: TROUDT 1C-26-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-179.97	75.13	157.34	195.02	1.56	323.43	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-179.97	75.13	157.34	195.02	1.88	210.61	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-179.97	75.13	157.34	195.02	2.30	145.17	PASS
225.00†	225.00	0.10	0.03	225.61	225.61	-179.98	75.02	141.46	195.07	2.44	131.11	PASS
325.00†	324.96	2.62	0.75	327.90	327.85	-180.08	72.28	142.68	196.22	3.33	82.67	PASS
425.00†	424.77	8.49	2.42	429.56	429.31	-180.31	65.94	145.45	199.25	4.59	54.67	PASS
525.00†	524.30	17.71	5.06	530.10	529.37	-180.67	56.14	149.54	204.91	5.68	43.27	PASS
625.00†	623.44	30.26	8.64	629.06	627.45	-181.15	43.08	154.64	214.23	6.76	36.82	PASS
725.00†	722.07	46.13	13.17	725.82	723.15	-181.67	28.71	159.87	228.33	7.85	33.01	PASS
825.00†	820.05	65.30	18.64	821.81	818.06	-182.20	14.45	164.66	247.54	8.95	30.86	PASS
925.00†	917.29	87.74	25.05	916.88	912.08	-182.71	0.32	168.89	271.63	10.02	29.88	PASS
1025.00†	1013.64	113.44	32.39	1010.94	1005.09	-183.22	-13.65	172.52	300.34	11.05	29.69	PASS
1067.21	1054.03	125.25	35.76	1050.31	1044.03	-183.44	-19.50	173.88	313.76	11.45	29.83	PASS
1125.00†	1109.19	141.82	40.49	1104.06	1097.18	-183.73	-27.48	175.61	332.79	11.88	30.40	PASS
1225.00†	1204.64	170.48	48.68	1197.09	1189.17	-184.24	-41.30	178.19	366.28	12.66	31.22	PASS
1325.00†	1300.09	199.15	56.86	1290.11	1281.16	-184.74	-55.12	179.65	400.34	13.37	32.19	PASS
1425.00†	1395.55	227.82	65.05	1383.13	1373.15	-185.25	-68.94	177.83	434.83	14.14	32.93	PASS
1525.00†	1491.00	256.48	73.23	1476.15	1465.13	-185.76	-82.76	176.28	469.66	14.92	33.59	PASS
1625.00†	1586.45	285.15	81.42	1569.17	1557.12	-186.26	-96.58	174.93	504.75	15.71	34.16	PASS
1725.00†	1681.91	313.81	89.60	1662.19	1649.11	-186.77	-110.40	173.76	540.05	16.52	34.66	PASS
1825.00†	1777.36	342.48	97.79	1755.21	1741.09	-187.28	-124.22	172.74	575.53	16.89	35.53	PASS
1925.00†	1872.81	371.14	105.97	1848.23	1833.08	-187.78	-138.03	171.83	611.16	17.13	37.17	PASS
2025.00†	1968.27	399.81	114.15	1941.25	1925.07	-188.29	-151.85	171.02	646.90	17.27	39.02	PASS
2125.00†	2063.72	428.48	122.34	2034.27	2017.05	-188.79	-165.67	170.29	682.75	17.48	40.67	PASS
2225.00†	2159.17	457.14	130.52	2127.29	2109.04	-189.30	-179.49	169.64	718.69	17.76	42.11	PASS
2325.00†	2254.63	485.81	138.71	2220.31	2201.03	-189.81	-193.31	169.05	754.69	18.11	43.34	PASS
2425.00†	2350.08	514.47	146.89	2313.33	2293.02	-190.31	-207.13	168.51	790.77	18.52	44.37	PASS
2525.00†	2445.53	543.14	155.08	2406.35	2385.00	-190.82	-220.95	168.02	826.89	18.98	45.21	PASS
2625.00†	2540.98	571.80	163.26	2499.37	2476.99	-191.33	-234.77	167.57	863.07	19.50	45.89	PASS
2725.00†	2636.44	600.47	171.45	2592.39	2568.98	-191.83	-248.59	167.15	899.29	20.07	46.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 187 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#17 TROUDT 1C-26-L (920'FNL & 1760'FWL, SEC.27) Well: TROUDT 1C-26-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2685.41	2660.96	-192.34	-262.40	-166.77	935.55	20.68	46.81	PASS
2925.00†	2827.34	657.80	187.82	2778.44	2752.95	-192.84	-276.22	-166.42	971.84	21.33	47.09	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1735.94	-109.71	45.80	-111.93	-14.73
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.94	-109.71	45.80	-111.93	-14.73
8.5in Open Hole	1750.00	16646.36	14896.36	1735.94	N/A	-111.93	-14.73	N/A	N/A

**SURVEY PROGRAM - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1C-26-L PWB
1750.00	16646.36	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1C-26-L PWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 188 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)</b>	
--	--

MD Reference: PD 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 189 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. TROUDT 1-27 AWB Offset Wellpath: EX. TROUDT 1-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/CODL) Well: EX. TROUDT 1-27 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-1.00	25.00	106.34	301.37	70.56	319.58	25.57	12.95	PASS	
125.00†	125.00	0.00	0.00	99.00	125.00	106.34	301.37	70.56	319.58	50.37	6.45	PASS	
200.00	200.00	0.00	0.00	174.00	200.00	106.34	301.37	70.56	319.58	51.07	6.36	PASS	
225.00†	225.00	0.10	0.03	199.00	225.00	106.34	301.37	54.65	319.51	51.31	6.33	PASS	
325.00†	324.96	2.62	0.75	298.96	324.96	106.34	301.37	55.06	318.01	52.97	6.10	PASS	
425.00†	424.77	8.49	2.42	398.77	424.77	106.34	301.37	56.02	314.55	55.24	5.78	PASS	
525.00†	524.30	17.71	5.06	498.30	524.30	106.34	301.37	57.58	309.28	57.97	5.41	PASS	
625.00†	623.44	30.26	8.64	597.44	623.44	106.34	301.37	59.77	302.45	61.07	5.02	PASS	
725.00†	722.07	46.13	13.17	696.07	722.07	106.34	301.37	62.66	294.42	64.43	4.62	PASS	
825.00†	820.05	65.30	18.64	794.05	820.05	106.34	301.37	66.31	285.68	67.98	4.25	PASS	
925.00†	917.29	87.74	25.05	891.29	917.29	106.34	301.37	70.80	276.94	71.69	3.90	PASS	
1025.00†	1013.64	113.44	32.39	987.64	1013.64	106.34	301.37	76.15	269.07	75.53	3.60	PASS	
1067.21	1054.03	125.25	35.76	1028.03	1054.03	106.34	301.37	78.66	266.27	77.19	3.48	PASS	
1125.00†	1109.19	141.82	40.49	1083.19	1109.19	106.34	301.37	82.18	263.27	79.48	3.34	PASS	
1225.00†	1204.64	170.48	48.68	1178.64	1204.64	106.34	301.37	88.39	260.70	83.55	3.15	PASS	
1251.22†	1229.67	178.00	50.82	1203.90	1229.90	106.34	301.37	90.04	260.59	84.64	3.10	PASS	
1325.00†	1300.09	199.15	56.86	1274.09	1300.09	106.34	301.37	94.63	261.52	87.71	3.00	PASS	
1425.00†	1395.55	227.82	65.05	1369.55	1395.55	106.34	301.37	100.77	265.71	91.94	2.91	PASS	
1525.00†	1491.00	256.48	73.23	1465.00	1491.00	106.34	301.37	106.67	273.11	96.21	2.86	PASS	
1625.00†	1586.45	285.15	81.42	1560.45	1586.45	106.34	301.37	112.23	283.46	100.51	2.84	PASS	
1643.77†	1604.37	290.53	82.95	1578.38	1604.38	106.34	301.37	113.22	285.71	101.32	2.84	PASS	
1725.00†	1681.91	313.81	89.60	1655.91	1681.91	106.34	301.37	117.38	296.46	104.82	2.85	PASS	
1825.00†	1777.36	342.48	97.79	1751.36	1777.36	106.34	301.37	122.09	311.78	108.72	2.88	PASS	
1925.00†	1872.81	371.14	105.97	1846.81	1872.81	106.34	301.37	126.36	329.09	112.73	2.93	PASS	
2025.00†	1968.27	399.81	114.15	1942.27	1968.27	106.34	301.37	130.21	348.10	116.78	2.99	PASS	
2125.00†	2063.72	428.48	122.34	2037.72	2063.72	106.34	301.37	133.67	368.54	120.87	3.06	PASS	
2225.00†	2159.17	457.14	130.52	2133.17	2159.17	106.34	301.37	136.77	390.19	124.99	3.13	PASS	
2325.00†	2254.63	485.81	138.71	2228.63	2254.63	106.34	301.37	139.55	412.86	129.15	3.21	PASS	
2425.00†	2350.08	514.47	146.89	2324.08	2350.08	106.34	301.37	142.05	436.38	133.34	3.28	PASS	
2525.00†	2445.53	543.14	155.08	2419.53	2445.53	106.34	301.37	144.29	460.64	137.56	3.36	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 190 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. TROUDT 1-27 AWB Offset Wellpath: EX. TROUDT 1-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/CODL) Well: EX. TROUDT 1-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2625.00†	2540.98	571.80	163.26	2514.98	2540.98	106.34	301.37	146.32	485.52	141.81	3.44	PASS
2725.00†	2636.44	600.47	171.45	2610.44	2636.44	106.34	301.37	148.15	510.92	146.09	3.51	PASS
2825.00†	2731.89	629.13	179.63	2705.89	2731.89	106.34	301.37	149.81	536.78	150.39	3.58	PASS
2925.00†	2827.34	657.80	187.82	2801.34	2827.34	106.34	301.37	151.32	563.03	154.71	3.65	PASS
3025.00†	2922.80	686.47	196.00	2896.80	2922.80	106.34	301.37	152.70	589.61	159.05	3.72	PASS
3125.00†	3018.25	715.13	204.19	2992.25	3018.25	106.34	301.37	153.96	616.50	163.42	3.78	PASS
3225.00†	3113.70	743.80	212.37	3087.70	3113.70	106.34	301.37	155.12	643.64	167.80	3.85	PASS
3325.00†	3209.16	772.46	220.56	3183.16	3209.16	106.34	301.37	156.18	671.00	172.20	3.91	PASS
3425.00†	3304.61	801.13	228.74	3278.61	3304.61	106.34	301.37	157.16	698.57	176.62	3.97	PASS
3525.00†	3400.06	829.79	236.93	3374.06	3400.06	106.34	301.37	158.07	726.32	181.05	4.02	PASS
3625.00†	3495.52	858.46	245.11	3469.52	3495.52	106.34	301.37	158.91	754.22	185.50	4.08	PASS
3725.00†	3590.97	887.13	253.29	3564.97	3590.97	106.34	301.37	159.69	782.26	189.97	4.13	PASS
3825.00†	3686.42	915.79	261.48	3660.42	3686.42	106.34	301.37	160.42	810.43	194.45	4.18	PASS
3925.00†	3781.88	944.46	269.66	3755.88	3781.88	106.34	301.37	161.10	838.71	198.94	4.23	PASS
4025.00†	3877.33	973.12	277.85	3851.33	3877.33	106.34	301.37	161.73	867.10	203.45	4.27	PASS
4125.00†	3972.78	1001.79	286.03	3946.78	3972.78	106.34	301.37	162.33	895.58	207.97	4.32	PASS
4225.00†	4068.23	1030.45	294.22	4042.23	4068.23	106.34	301.37	162.89	924.14	212.50	4.36	PASS
4325.00†	4163.69	1059.12	302.40	4137.69	4163.69	106.34	301.37	163.41	952.78	217.04	4.40	PASS
4425.00†	4259.14	1087.78	310.59	4233.14	4259.14	106.34	301.37	163.91	981.49	221.60	4.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. TROUDT 1-27 AWB Offset Wellpath: EX. TROUDT 1-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 191 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## WELLPATH COMPOSITION - Offset Wellbore: EX. TROUDT 1-27 AWB Offset Wellpath: EX. TROUDT 1-27 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7270.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7270>	EX. TROUDT 1-27 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. TROUDT 1-27 AWB Offset Wellpath: EX. TROUDT 1-27 AWP

MD Reference: Rig on SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/CODL) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 192 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. W JONES 26-2G6 AWB Offset Wellpath: EX. W JONES 26-2G6 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#07 EX. W JONES 26-2G6 (659'FNL & 1991'FEL, SI/CODL) Well: EX. W JONES 26-2G6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-17.00	25.00	94.26	7020.92	89.23	7021.55	25.57	285.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. W JONES 26-2G6 AWB Offset Wellpath: EX. W JONES 26-2G6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. W JONES 26-2G6 AWB Offset Wellpath: EX. W JONES 26-2G6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7244.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7244'>	EX. W JONES 26-2G6 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. W JONES 26-2G6 AWB Offset Wellpath: EX. W JONES 26-2G6 AWP**

MD Reference: Rig on SLOT#07 EX. W JONES 26-2G6 (659'FNL & 1991'FEL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 193 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: HOOD 25N-22C-M AWB Offset Wellpath: HOOD 25N-22C-M AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#01 HOOD 25N-22C-M (765'FSL & 1122'FEL SEC.20) Well: HOOD 25N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14341.89	7068.01	3256.54	-276.76	-4.86	7764.39	174.85	44.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 25N-22C-M AWB Offset Wellpath: HOOD 25N-22C-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: HOOD 25N-22C-M AWB Offset Wellpath: HOOD 25N-22C-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1763.00	1738.00	10.00	1711.62	862.01	-4937.02	940.91	-4909.20
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1711.62	862.01	-4937.02	940.91	-4909.20
8.5in Open Hole	1763.00	15526.00	13763.00	1711.62	7075.81	940.91	-4909.20	1429.95	-2192.16

## WELLPATH COMPOSITION - Offset Wellbore: HOOD 25N-22C-M AWB Offset Wellpath: HOOD 25N-22C-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1712>	HOOD 25N-22C-M AWB
1712.00	15526.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1794-15526>	HOOD 25N-22C-M AWB
15526.00	15550.00	Blind Drilling (std)	Projection to bit	HOOD 25N-22C-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 194 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 25N-22C-M AWB Offset Wellpath: HOOD 25N-22C-M AWP	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 195 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#18 TROUDT 41N-26C-L (960'FNL & 1760'FWL, SEC.27) Well: TROUDT 41N-26C-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-200.01	75.13	159.41	213.65	1.56	354.48	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-200.01	75.13	159.41	213.65	1.88	230.97	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-200.01	75.13	159.41	213.65	2.31	158.55	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-200.01	75.13	143.49	213.74	2.45	143.43	PASS
325.00†	324.96	2.62	0.75	325.20	325.20	-200.03	75.02	143.91	215.84	3.28	92.80	PASS
425.00†	424.77	8.49	2.42	425.73	425.69	-200.63	72.44	145.48	220.54	4.44	63.18	PASS
525.00†	524.30	17.71	5.06	525.35	525.12	-202.01	66.50	148.29	228.14	5.47	50.41	PASS
625.00†	623.44	30.26	8.64	623.52	622.83	-204.12	57.35	152.05	239.39	6.50	43.08	PASS
725.00†	722.07	46.13	13.17	719.76	718.26	-206.93	45.22	156.43	255.11	7.57	38.45	PASS
825.00†	820.05	65.30	18.64	814.66	811.99	-210.27	30.80	161.00	275.95	8.68	35.64	PASS
925.00†	917.29	87.74	25.05	908.87	905.02	-213.63	16.27	165.13	301.75	9.76	34.21	PASS
1025.00†	1013.64	113.44	32.39	1001.97	996.94	-216.95	1.91	168.72	332.21	10.79	33.72	PASS
1067.21	1054.03	125.25	35.76	1040.90	1035.39	-218.34	-4.09	170.08	346.40	11.18	33.82	PASS
1125.00†	1109.19	141.82	40.49	1094.05	1087.86	-220.23	-12.29	171.85	366.50	11.62	34.30	PASS
1225.00†	1204.64	170.48	48.68	1186.01	1178.66	-223.52	-26.48	174.51	401.94	12.13	35.90	PASS
1325.00†	1300.09	199.15	56.86	1277.97	1269.47	-226.80	-40.66	176.75	438.04	13.04	36.20	PASS
1425.00†	1395.55	227.82	65.05	1369.94	1360.27	-230.08	-54.84	178.65	474.64	13.84	36.80	PASS
1525.00†	1491.00	256.48	73.23	1461.90	1451.08	-233.36	-69.03	179.72	511.64	14.59	37.48	PASS
1625.00†	1586.45	285.15	81.42	1553.87	1541.88	-236.64	-83.21	178.31	548.96	15.35	38.09	PASS
1725.00†	1681.91	313.81	89.60	1645.83	1632.69	-239.92	-97.39	177.07	586.53	16.13	38.62	PASS
1825.00†	1777.36	342.48	97.79	1737.80	1723.49	-243.20	-111.58	175.98	624.31	16.56	39.46	PASS
1925.00†	1872.81	371.14	105.97	1829.76	1814.30	-246.49	-125.76	175.01	662.26	16.78	41.16	PASS
2025.00†	1968.27	399.81	114.15	1921.72	1905.10	-249.77	-139.95	174.15	700.36	16.90	43.20	PASS
2125.00†	2063.72	428.48	122.34	2013.69	1995.91	-253.05	-154.13	173.37	738.59	17.11	45.00	PASS
2225.00†	2159.17	457.14	130.52	2105.65	2086.71	-256.33	-168.31	172.68	776.92	17.38	46.56	PASS
2325.00†	2254.63	485.81	138.71	2197.62	2177.51	-259.61	-182.50	172.04	815.33	17.72	47.90	PASS
2425.00†	2350.08	514.47	146.89	2289.58	2268.32	-262.89	-196.68	171.46	853.83	18.12	49.00	PASS
2525.00†	2445.53	543.14	155.08	2381.54	2359.12	-266.18	-210.87	170.94	892.40	18.58	49.90	PASS
2625.00†	2540.98	571.80	163.26	2473.51	2449.93	-269.46	-225.05	170.45	931.02	19.09	50.61	PASS
2725.00†	2636.44	600.47	171.45	2565.47	2540.73	-272.74	-239.23	170.01	969.70	19.65	51.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 196 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1735.54	-121.93	45.80	-135.22	-11.68
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.54	-121.93	45.80	-135.22	-11.68
8.5in Open Hole	1750.00	16548.66	14798.66	1735.54	N/A	-135.22	-11.68	N/A	N/A

### SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-26C-L PWB
1750.00	16548.66	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-26C-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 197 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 41C-26-L PWB Offset Wellpath: TROUDT 41C-26-L PWP (REV-A.0)

**Facility: SEC.27-T06N-R66W Slot: SLOT#19 TROUDT 41C-26-L (980'FNL & 1760'FWL, SEC.27) Well: TROUDT 41C-26-L Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-220.05	75.13	161.15	232.52	1.56	385.93	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-220.05	75.13	161.15	232.52	1.88	251.42	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-220.05	75.13	161.15	232.52	2.30	173.31	PASS
225.00†	225.00	0.10	0.03	224.84	224.84	-220.09	75.03	145.25	232.62	2.44	156.82	PASS
325.00†	324.96	2.62	0.75	324.03	323.99	-221.11	72.66	146.21	235.01	3.29	100.61	PASS
425.00†	424.77	8.49	2.42	422.49	422.26	-223.46	67.20	148.36	240.84	4.52	67.38	PASS
525.00†	524.30	17.71	5.06	519.65	518.99	-227.09	58.77	151.47	250.68	5.66	53.21	PASS
625.00†	623.44	30.26	8.64	614.99	613.54	-231.91	47.57	155.25	265.23	6.81	45.16	PASS
725.00†	722.07	46.13	13.17	709.38	706.75	-237.78	33.93	159.37	285.08	7.97	40.55	PASS
825.00†	820.05	65.30	18.64	804.03	800.15	-243.85	19.84	163.24	309.79	9.07	38.09	PASS
925.00†	917.29	87.74	25.05	897.58	892.46	-249.85	5.90	166.66	339.04	10.11	36.95	PASS
1025.00†	1013.64	113.44	32.39	989.92	983.58	-255.77	-7.85	169.63	372.61	11.10	36.68	PASS
1067.21	1054.03	125.25	35.76	1028.51	1021.66	-258.24	-13.60	170.76	388.01	11.47	36.83	PASS
1125.00†	1109.19	141.82	40.49	1081.17	1073.63	-261.62	-21.44	172.24	409.71	11.85	37.53	PASS
1225.00†	1204.64	170.48	48.68	1172.31	1163.55	-267.46	-35.01	174.48	447.76	12.52	38.66	PASS
1325.00†	1300.09	199.15	56.86	1263.44	1253.48	-273.30	-48.59	176.38	486.32	13.28	39.41	PASS
1425.00†	1395.55	227.82	65.05	1354.57	1343.41	-279.15	-62.16	178.00	525.27	13.98	40.27	PASS
1525.00†	1491.00	256.48	73.23	1445.71	1433.33	-284.99	-75.73	179.40	564.54	14.69	41.05	PASS
1625.00†	1586.45	285.15	81.42	1536.84	1523.26	-290.83	-89.31	179.38	604.06	15.41	41.73	PASS
1725.00†	1681.91	313.81	89.60	1627.97	1613.19	-296.68	-102.88	178.30	643.79	16.15	42.34	PASS
1825.00†	1777.36	342.48	97.79	1719.10	1703.12	-302.52	-116.45	177.36	683.69	16.57	43.18	PASS
1925.00†	1872.81	371.14	105.97	1810.24	1793.04	-308.36	-130.03	176.51	723.73	16.80	44.94	PASS
2025.00†	1968.27	399.81	114.15	1901.37	1882.97	-314.20	-143.60	175.75	763.89	16.94	47.01	PASS
2125.00†	2063.72	428.48	122.34	1992.50	1972.90	-320.05	-157.17	175.07	804.15	17.13	48.94	PASS
2225.00†	2159.17	457.14	130.52	2083.64	2062.82	-325.89	-170.75	174.45	844.50	17.38	50.62	PASS
2325.00†	2254.63	485.81	138.71	2174.77	2152.75	-331.73	-184.32	173.89	884.93	17.70	52.04	PASS
2425.00†	2350.08	514.47	146.89	2265.90	2242.68	-337.58	-197.89	173.38	925.42	18.08	53.23	PASS
2525.00†	2445.53	543.14	155.08	2357.04	2332.60	-343.42	-211.47	172.91	965.97	18.52	54.19	PASS

**C-C Clearance Distance Cutoff: 1000.00 ft**



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 198 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41C-26-L PWB Offset Wellpath: TROUDT 41C-26-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 41C-26-L PWB Offset Wellpath: TROUDT 41C-26-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1733.60	-134.14	45.80	-159.88	-14.00
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.60	-134.14	45.80	-159.88	-14.00
8.5in Open Hole	1750.00	16664.32	14914.32	1733.60	7158.00	-159.88	-14.00	-275.23	2727.05

### SURVEY PROGRAM - Offset Wellbore: TROUDT 41C-26-L PWB Offset Wellpath: TROUDT 41C-26-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41C-26-L PWB
1750.00	16664.32	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41C-26-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41C-26-L PWB Offset Wellpath: TROUDT 41C-26-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 199 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD) Well: EX. BARNEY 8 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	0.00	25.00	947.04	5171.18	79.62	5257.19	50.17	106.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7519.00	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN MWD SURVEYS PROVIDED BY SRC <444'-7519'>	EX. BARNEY 8 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP**

MD Reference: Rig on SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 200 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BUXMAN D 1-26 AWB Offset Wellpath: EX. BUXMAN D 1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#04 EX. BUXMAN D 1-26 (660'FNL & 1980'FWL, PR/CODL) Well: EX. BUXMAN D 1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-6.00	25.00	69.14	5653.58	89.30	5654.00	25.57	229.78	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BUXMAN D 1-26 AWB Offset Wellpath: EX. BUXMAN D 1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BUXMAN D 1-26 AWB Offset Wellpath: EX. BUXMAN D 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7240>	EX. BUXMAN D 1-26 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BUXMAN D 1-26 AWB Offset Wellpath: EX. BUXMAN D 1-26 AWP**

MD Reference: Rig on SLOT#04 EX. BUXMAN D 1-26 (660'FNL & 1980'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 201 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDFSATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDFSATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDFSATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11723.50	7120.94	1228.76	9080.49	82.29	11589.54	132.36	88.20	PASS
125.00†	125.00	0.00	0.00	11723.50	7120.94	1228.76	9080.49	82.29	11528.59	132.89	87.38	PASS
200.00	200.00	0.00	0.00	11723.50	7120.94	1228.76	9080.49	82.29	11483.23	133.21	86.82	PASS
225.00†	225.00	0.10	0.03	11723.50	7120.94	1228.76	9080.49	66.71	11468.14	133.32	86.64	PASS
325.00†	324.96	2.62	0.75	11723.50	7120.94	1228.76	9080.49	68.11	11407.47	133.76	85.89	PASS
425.00†	424.77	8.49	2.42	11723.50	7120.94	1228.76	9080.49	69.56	11346.32	134.22	85.14	PASS
525.00†	524.30	17.71	5.06	11723.50	7120.94	1228.76	9080.49	71.03	11284.76	134.69	84.38	PASS
625.00†	623.44	30.26	8.64	11723.50	7120.94	1228.76	9080.49	72.53	11222.85	135.17	83.62	PASS
725.00†	722.07	46.13	13.17	11723.50	7120.94	1228.76	9080.49	74.05	11160.67	135.66	82.85	PASS
825.00†	820.05	65.30	18.64	11723.50	7120.94	1228.76	9080.49	75.59	11098.28	136.17	82.07	PASS
925.00†	917.29	87.74	25.05	11723.50	7120.94	1228.76	9080.49	77.14	11035.77	136.71	81.29	PASS
1025.00†	1013.64	113.44	32.39	11723.50	7120.94	1228.76	9080.49	78.71	10973.20	137.28	80.49	PASS
1067.21	1054.03	125.25	35.76	11723.50	7120.94	1228.76	9080.49	79.38	10946.79	137.53	80.15	PASS
1125.00†	1109.19	141.82	40.49	11723.50	7120.94	1228.76	9080.49	79.38	10910.74	137.88	79.68	PASS
1225.00†	1204.64	170.48	48.68	11723.50	7120.94	1228.76	9080.49	79.38	10848.79	138.51	78.87	PASS
1325.00†	1300.09	199.15	56.86	11723.50	7120.94	1228.76	9080.49	79.38	10787.41	139.17	78.05	PASS
1425.00†	1395.55	227.82	65.05	11723.50	7120.94	1228.76	9080.49	79.38	10726.61	139.85	77.23	PASS
1525.00†	1491.00	256.48	73.23	11723.50	7120.94	1228.76	9080.49	79.38	10666.41	140.56	76.40	PASS
1625.00†	1586.45	285.15	81.42	11723.50	7120.94	1228.76	9080.49	79.38	10606.80	141.30	75.57	PASS
1725.00†	1681.91	313.81	89.60	11723.50	7120.94	1228.76	9080.49	79.38	10547.81	142.07	74.74	PASS
1825.00†	1777.36	342.48	97.79	11723.50	7120.94	1228.76	9080.49	79.38	10489.44	142.46	74.00	PASS
1925.00†	1872.81	371.14	105.97	11723.50	7120.94	1228.76	9080.49	79.38	10431.70	142.95	73.33	PASS
2025.00†	1968.27	399.81	114.15	11723.50	7120.94	1228.76	9080.49	79.38	10374.60	143.45	72.67	PASS
2125.00†	2063.72	428.48	122.34	11723.50	7120.94	1228.76	9080.49	79.38	10318.16	143.97	72.02	PASS
2225.00†	2159.17	457.14	130.52	11723.50	7120.94	1228.76	9080.49	79.38	10262.38	144.49	71.37	PASS
2325.00†	2254.63	485.81	138.71	11723.50	7120.94	1228.76	9080.49	79.38	10207.27	145.02	70.72	PASS
2425.00†	2350.08	514.47	146.89	11723.50	7120.94	1228.76	9080.49	79.38	10152.85	145.57	70.08	PASS
2525.00†	2445.53	543.14	155.08	11723.50	7120.94	1228.76	9080.49	79.38	10099.13	146.12	69.45	PASS
2625.00†	2540.98	571.80	163.26	11723.50	7120.94	1228.76	9080.49	79.38	10046.12	146.68	68.82	PASS
2725.00†	2636.44	600.47	171.45	11723.50	7120.94	1228.76	9080.49	79.38	9993.82	147.25	68.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 202 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDFSATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

**Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDFSATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDFSATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	11723.50	7120.94	1228.76	9080.49	79.38	9942.26	147.83	67.57	PASS
2925.00†	2827.34	657.80	187.82	11723.50	7120.94	1228.76	9080.49	79.38	9891.44	148.42	66.96	PASS
3025.00†	2922.80	686.47	196.00	11723.50	7120.94	1228.76	9080.49	79.38	9841.37	149.02	66.35	PASS
3125.00†	3018.25	715.13	204.19	11723.50	7120.94	1228.76	9080.49	79.38	9792.07	149.62	65.75	PASS
3225.00†	3113.70	743.80	212.37	11723.50	7120.94	1228.76	9080.49	79.38	9743.54	150.23	65.16	PASS
3325.00†	3209.16	772.46	220.56	11723.50	7120.94	1228.76	9080.49	79.38	9695.81	150.85	64.57	PASS
3425.00†	3304.61	801.13	228.74	11723.50	7120.94	1228.76	9080.49	79.38	9648.87	151.48	63.99	PASS
3525.00†	3400.06	829.79	236.93	11723.50	7120.94	1228.76	9080.49	79.38	9602.75	152.11	63.42	PASS
3625.00†	3495.52	858.46	245.11	11723.50	7120.94	1228.76	9080.49	79.38	9557.44	152.75	62.86	PASS
3725.00†	3590.97	887.13	253.29	11723.50	7120.94	1228.76	9080.49	79.38	9512.98	153.40	62.30	PASS
3825.00†	3686.42	915.79	261.48	11723.50	7120.94	1228.76	9080.49	79.38	9469.36	154.05	61.75	PASS
3925.00†	3781.88	944.46	269.66	11723.50	7120.94	1228.76	9080.49	79.38	9426.60	154.70	61.21	PASS
4025.00†	3877.33	973.12	277.85	11723.50	7120.94	1228.76	9080.49	79.38	9384.71	155.36	60.68	PASS
4125.00†	3972.78	1001.79	286.03	11723.50	7120.94	1228.76	9080.49	79.38	9343.71	156.02	60.16	PASS
4225.00†	4068.23	1030.45	294.22	11723.50	7120.94	1228.76	9080.49	79.38	9303.60	156.69	59.64	PASS
4325.00†	4163.69	1059.12	302.40	11723.50	7120.94	1228.76	9080.49	79.38	9264.39	157.36	59.14	PASS
4425.00†	4259.14	1087.78	310.59	11723.50	7120.94	1228.76	9080.49	79.38	9226.10	158.03	58.64	PASS
4525.00†	4354.59	1116.45	318.77	11723.50	7120.94	1228.76	9080.49	79.38	9188.74	158.70	58.16	PASS
4625.00†	4450.05	1145.12	326.96	11723.50	7120.94	1228.76	9080.49	79.38	9152.32	159.37	57.68	PASS
4725.00†	4545.50	1173.78	335.14	11723.50	7120.94	1228.76	9080.49	79.38	9116.85	160.04	57.21	PASS
4825.00†	4640.95	1202.45	343.33	11723.50	7120.94	1228.76	9080.49	79.38	9082.35	160.72	56.76	PASS
4925.00†	4736.41	1231.11	351.51	11707.88	7120.88	1244.38	9080.48	79.28	9048.80	160.97	56.46	PASS
5025.00†	4831.86	1259.78	359.70	11679.60	7120.77	1272.65	9080.47	79.10	9016.16	160.89	56.28	PASS
5125.00†	4927.31	1288.44	367.88	11651.32	7120.65	1300.93	9080.46	78.91	8984.43	160.79	56.12	PASS
5225.00†	5022.77	1317.11	376.07	11623.04	7120.54	1329.21	9080.45	78.73	8953.60	160.70	55.96	PASS
5325.00†	5118.22	1345.78	384.25	11594.76	7120.43	1357.49	9080.43	78.55	8923.71	160.60	55.81	PASS
5425.00†	5213.67	1374.44	392.43	11566.49	7120.31	1385.77	9080.42	78.37	8894.75	160.49	55.66	PASS
5525.00†	5309.12	1403.11	400.62	11538.21	7120.20	1414.05	9080.41	78.19	8866.73	160.38	55.53	PASS
5625.00†	5404.58	1431.77	408.80	11509.93	7120.09	1442.33	9080.40	78.01	8839.66	160.26	55.40	PASS
5725.00†	5500.03	1460.44	416.99	11481.65	7119.97	1470.60	9080.39	77.82	8813.56	160.14	55.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 203 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDFSATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDFSATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDFSATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	11453.37	7119.86	1498.88	9080.37	77.64	8788.42	160.01	55.17	PASS
5925.00†	5690.94	1517.77	433.36	11425.09	7119.75	1527.16	9080.36	77.46	8764.26	159.87	55.06	PASS
6025.00†	5786.39	1546.43	441.54	11396.81	7119.63	1555.44	9080.35	77.28	8741.09	159.72	54.97	PASS
6125.00†	5881.84	1575.10	449.73	11368.53	7119.52	1583.72	9080.34	77.10	8718.91	159.57	54.88	PASS
6225.00†	5977.30	1603.77	457.91	11340.26	7119.41	1612.00	9080.33	76.91	8697.73	159.40	54.80	PASS
6325.00†	6072.75	1632.43	466.10	11311.98	7119.29	1640.28	9080.31	76.73	8677.56	159.23	54.74	PASS
6425.00†	6168.20	1661.10	474.28	11283.70	7119.18	1668.55	9080.30	76.55	8658.41	159.05	54.68	PASS
6525.00†	6263.66	1689.76	482.47	11255.42	7119.07	1696.83	9080.29	76.37	8640.27	158.86	54.63	PASS
6625.00†	6359.11	1718.43	490.65	11227.14	7118.95	1725.11	9080.28	76.18	8623.17	158.67	54.59	PASS
6725.00†	6454.56	1747.09	498.84	11198.86	7118.84	1753.39	9080.27	76.00	8607.10	158.46	54.56	PASS
6825.00†	6550.01	1775.76	507.02	11170.58	7118.72	1781.67	9080.25	75.82	8592.08	158.24	54.54	PASS
6888.88	6610.99	1794.07	512.25	11152.52	7118.65	1799.73	9080.25	75.70	8583.03	158.10	54.53	PASS
6925.00†	6645.37	1804.39	516.22	11142.34	7118.61	1809.92	9080.24	66.17	8577.08	158.02	54.52	PASS
7025.00†	6738.80	1832.44	537.75	11114.68	7118.50	1837.57	9080.23	46.57	8550.91	158.06	54.34	PASS
7125.00†	6827.86	1859.15	574.28	11088.34	7118.39	1863.91	9080.22	35.02	8510.90	158.62	53.89	PASS
7225.00†	6910.36	1883.87	624.90	11063.97	7118.30	1888.28	9080.21	28.07	8457.87	159.09	53.40	PASS
7325.00†	6984.27	1905.99	688.37	11042.18	7118.21	1910.08	9080.20	23.65	8392.90	159.46	52.86	PASS
7425.00†	7047.75	1924.97	763.12	11023.48	7118.13	1928.77	9080.19	20.71	8317.37	159.76	52.29	PASS
7525.00†	7099.27	1940.34	847.32	11008.36	7118.07	1943.89	9080.19	18.68	8232.88	159.96	51.69	PASS
7625.00†	7137.53	1951.72	938.90	10997.17	7118.03	1955.08	9080.18	17.24	8141.31	160.09	51.08	PASS
7725.00†	7161.61	1958.83	1035.59	10990.19	7118.00	1962.06	9080.18	15.96	8044.71	160.15	50.45	PASS
7825.00†	7170.90	1961.50	1135.02	10987.61	7117.99	1964.64	9080.18	8.65	7945.34	160.17	49.82	PASS
7840.20	7171.00	1961.51	1150.22	10987.60	7117.99	1964.65	9080.18	-60.22	7930.14	160.18	49.72	PASS
7925.00†	7170.58	1961.28	1235.02	10987.87	7117.99	1964.38	9080.18	-59.95	7845.34	160.19	49.19	PASS
8025.00†	7170.10	1961.00	1335.01	10988.18	7117.99	1964.07	9080.18	-59.63	7745.34	160.21	48.55	PASS
8125.00†	7169.61	1960.73	1435.01	10988.49	7117.99	1963.76	9080.18	-59.31	7645.34	160.24	47.92	PASS
8225.00†	7169.12	1960.46	1535.01	10988.81	7117.99	1963.44	9080.18	-58.98	7545.34	160.26	47.29	PASS
8325.00†	7168.63	1960.18	1635.01	10989.12	7118.00	1963.13	9080.18	-58.64	7445.34	160.28	46.65	PASS
8425.00†	7168.14	1959.91	1735.01	10989.43	7118.00	1962.82	9080.18	-58.30	7345.34	160.31	46.02	PASS
8525.00†	7167.65	1959.64	1835.01	10989.75	7118.00	1962.50	9080.18	-57.95	7245.34	160.34	45.38	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 204 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDFSATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDFSATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDFSATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	10990.06	7118.00	1962.19	9080.18	-57.59	7145.34	160.36	44.75	PASS
8725.00†	7166.67	1959.09	2035.00	10990.37	7118.00	1961.88	9080.18	-57.22	7045.34	160.39	44.12	PASS
8825.00†	7166.18	1958.82	2135.00	10990.69	7118.00	1961.56	9080.18	-56.85	6945.34	160.42	43.48	PASS
8925.00†	7165.69	1958.55	2235.00	10991.00	7118.00	1961.25	9080.18	-56.47	6845.34	160.45	42.85	PASS
9025.00†	7165.20	1958.27	2335.00	10991.31	7118.00	1960.94	9080.18	-56.08	6745.35	160.48	42.21	PASS
9125.00†	7164.71	1958.00	2435.00	10991.63	7118.01	1960.62	9080.18	-55.69	6645.35	160.52	41.58	PASS
9225.00†	7164.22	1957.73	2534.99	10991.94	7118.01	1960.31	9080.18	-55.28	6545.35	160.55	40.94	PASS
9325.00†	7163.73	1957.46	2634.99	10992.25	7118.01	1960.00	9080.18	-54.87	6445.35	160.59	40.31	PASS
9425.00†	7163.24	1957.18	2734.99	10992.57	7118.01	1959.69	9080.18	-54.45	6345.35	160.62	39.67	PASS
9525.00†	7162.75	1956.91	2834.99	10992.88	7118.01	1959.37	9080.18	-54.02	6245.35	160.66	39.04	PASS
9625.00†	7162.26	1956.64	2934.99	10993.19	7118.01	1959.06	9080.18	-53.58	6145.35	160.70	38.41	PASS
9725.00†	7161.77	1956.36	3034.99	10993.50	7118.01	1958.75	9080.18	-53.13	6045.35	160.74	37.77	PASS
9825.00†	7161.28	1956.09	3134.99	10993.82	7118.01	1958.43	9080.18	-52.67	5945.35	160.78	37.14	PASS
9925.00†	7160.79	1955.82	3234.98	10994.13	7118.02	1958.12	9080.18	-52.20	5845.35	160.83	36.50	PASS
10025.00†	7160.30	1955.55	3334.98	10994.44	7118.02	1957.81	9080.18	-51.72	5745.35	160.87	35.87	PASS
10125.00†	7159.81	1955.27	3434.98	10994.76	7118.02	1957.49	9080.18	-51.23	5645.35	160.91	35.23	PASS
10225.00†	7159.32	1955.00	3534.98	10995.07	7118.02	1957.18	9080.18	-50.73	5545.35	160.96	34.60	PASS
10325.00†	7158.83	1954.73	3634.98	10995.38	7118.02	1956.87	9080.18	-50.22	5445.36	161.01	33.97	PASS
10425.00†	7158.34	1954.45	3734.98	10995.70	7118.02	1956.55	9080.18	-49.70	5345.36	161.05	33.33	PASS
10525.00†	7157.85	1954.18	3834.97	10996.01	7118.02	1956.24	9080.18	-49.17	5245.36	161.10	32.70	PASS
10625.00†	7157.36	1953.91	3934.97	10996.32	7118.02	1955.93	9080.18	-48.62	5145.36	161.15	32.07	PASS
10725.00†	7156.87	1953.64	4034.97	10996.64	7118.03	1955.61	9080.18	-48.06	5045.36	161.20	31.43	PASS
10825.00†	7156.38	1953.36	4134.97	10996.95	7118.03	1955.30	9080.18	-47.49	4945.36	161.26	30.80	PASS
10925.00†	7155.89	1953.09	4234.97	10997.26	7118.03	1954.99	9080.18	-46.91	4845.36	161.31	30.17	PASS
11025.00†	7155.40	1952.82	4334.97	10997.58	7118.03	1954.67	9080.18	-46.31	4745.36	161.36	29.53	PASS
11125.00†	7154.92	1952.55	4434.96	10997.89	7118.03	1954.36	9080.18	-45.70	4645.36	161.42	28.90	PASS
11225.00†	7154.43	1952.27	4534.96	10998.20	7118.03	1954.05	9080.18	-45.08	4545.36	161.48	28.27	PASS
11325.00†	7153.94	1952.00	4634.96	10998.51	7118.03	1953.74	9080.18	-44.44	4445.36	161.53	27.64	PASS
11425.00†	7153.45	1951.73	4734.96	10998.83	7118.04	1953.42	9080.18	-43.79	4345.37	161.59	27.00	PASS
11525.00†	7152.96	1951.45	4834.96	10999.14	7118.04	1953.11	9080.18	-43.13	4245.37	161.65	26.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 205 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDFSATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDFSATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDFSATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	10999.45	7118.04	1952.80	9080.18	-42.45	4145.37	161.71	25.74	PASS
11725.00†	7151.98	1950.91	5034.96	10999.77	7118.04	1952.48	9080.18	-41.75	4045.37	161.78	25.11	PASS
11825.00†	7151.49	1950.64	5134.95	11000.08	7118.04	1952.17	9080.18	-41.04	3945.37	161.84	24.48	PASS
11925.00†	7151.00	1950.36	5234.95	11000.39	7118.04	1951.86	9080.18	-40.31	3845.37	161.90	23.85	PASS
12025.00†	7150.51	1950.09	5334.95	11000.71	7118.04	1951.54	9080.18	-39.56	3745.37	161.97	23.22	PASS
12125.00†	7150.02	1949.82	5434.95	11001.02	7118.04	1951.23	9080.18	-38.80	3645.37	162.03	22.59	PASS
12225.00†	7149.53	1949.54	5534.95	11001.33	7118.05	1950.92	9080.18	-38.03	3545.37	162.10	21.96	PASS
12325.00†	7149.04	1949.27	5634.95	11001.65	7118.05	1950.60	9080.18	-37.23	3445.38	162.17	21.33	PASS
12425.00†	7148.55	1949.00	5734.94	11001.96	7118.05	1950.29	9080.18	-36.42	3345.38	162.24	20.71	PASS
12525.00†	7148.06	1948.73	5834.94	11002.27	7118.05	1949.98	9080.18	-35.59	3245.38	162.31	20.08	PASS
12625.00†	7147.57	1948.45	5934.94	11002.59	7118.05	1949.66	9080.18	-34.74	3145.38	162.38	19.45	PASS
12725.00†	7147.08	1948.18	6034.94	11002.90	7118.05	1949.35	9080.18	-33.88	3045.38	162.45	18.82	PASS
12825.00†	7146.59	1947.91	6134.94	11003.21	7118.05	1949.04	9080.18	-33.00	2945.38	162.53	18.20	PASS
12925.00†	7146.10	1947.63	6234.94	11003.52	7118.05	1948.73	9080.18	-32.10	2845.38	162.60	17.57	PASS
13025.00†	7145.61	1947.36	6334.94	11003.84	7118.06	1948.41	9080.18	-31.18	2745.39	162.68	16.95	PASS
13125.00†	7145.12	1947.09	6434.93	11004.15	7118.06	1948.10	9080.18	-30.24	2645.39	162.76	16.32	PASS
13225.00†	7144.63	1946.82	6534.93	11004.46	7118.06	1947.79	9080.18	-29.28	2545.39	162.84	15.70	PASS
13325.00†	7144.14	1946.54	6634.93	11004.78	7118.06	1947.47	9080.18	-28.31	2445.39	162.91	15.07	PASS
13425.00†	7143.65	1946.27	6734.93	11005.09	7118.06	1947.16	9080.18	-27.32	2345.39	163.00	14.45	PASS
13525.00†	7143.16	1946.00	6834.93	11005.40	7118.06	1946.85	9080.18	-26.31	2245.40	163.08	13.82	PASS
13625.00†	7142.67	1945.72	6934.93	11005.72	7118.06	1946.53	9080.18	-25.28	2145.40	163.16	13.20	PASS
13725.00†	7142.18	1945.45	7034.92	11006.03	7118.06	1946.22	9080.18	-24.23	2045.40	163.24	12.58	PASS
13825.00†	7141.69	1945.18	7134.92	11006.34	7118.07	1945.91	9080.18	-23.17	1945.41	163.33	11.96	PASS
13925.00†	7141.20	1944.91	7234.92	11006.66	7118.07	1945.59	9080.18	-22.08	1845.41	163.41	11.34	PASS
14025.00†	7140.71	1944.63	7334.92	11006.97	7118.07	1945.28	9080.18	-20.99	1745.41	163.50	10.72	PASS
14125.00†	7140.23	1944.36	7434.92	11007.28	7118.07	1944.97	9080.18	-19.87	1645.42	163.59	10.10	PASS
14225.00†	7139.74	1944.09	7534.92	11007.60	7118.07	1944.65	9080.18	-18.74	1545.42	163.68	9.48	PASS
14325.00†	7139.25	1943.82	7634.91	11007.91	7118.07	1944.34	9080.18	-17.59	1445.43	163.77	8.86	PASS
14425.00†	7138.76	1943.54	7734.91	11008.22	7118.07	1944.03	9080.19	-16.43	1345.43	163.87	8.24	PASS
14525.00†	7138.27	1943.27	7834.91	11008.53	7118.07	1943.72	9080.19	-15.25	1245.44	163.96	7.62	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 206 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)**

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDSFATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASH [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	11008.85	7118.08	1943.40	9080.19	-14.06	1145.44	164.06	7.01	PASS
14725.00†	7137.29	1942.72	8034.91	11009.16	7118.08	1943.09	9080.19	-12.86	1045.45	164.16	6.39	PASS
14825.00†	7136.80	1942.45	8134.91	11009.47	7118.08	1942.78	9080.19	-11.64	945.46	164.26	5.78	PASS
14925.00†	7136.31	1942.18	8234.91	11009.79	7118.08	1942.46	9080.19	-10.42	845.48	164.37	5.16	PASS
15025.00†	7135.82	1941.91	8334.90	11010.10	7118.08	1942.15	9080.19	-9.18	745.49	164.48	4.55	PASS
15125.00†	7135.33	1941.63	8434.90	11010.41	7118.08	1941.84	9080.19	-7.94	645.51	164.60	3.93	PASS
15192.09	7135.00	1941.45	8501.99	11010.62	7118.08	1941.63	9080.19	-7.10	578.45	164.68	3.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY -**

Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical
			1.000ft
			3.000ft

**WELLPATH COMPOSITION**

- Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
0.00	11723.50	ISCSWA MWD, Rev. 4 (Standard)	PLANNED WELLBORE INTERPOLATIONS FROM SRC (200-11723.5)
			Wellbore
			KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD)

**OFFSET WELLPATH REFERENCE -**

Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)	
MD Reference: Rig on SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	15.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 207 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 41N-26B-L PWB Offset Wellpath: TROUDT 41N-26B-L PWP (REV-A.0)

**Facility: SEC.27-T06N-R66W Slot: SLOT#20 TROUDT 41N-26B-L (1000'FNL & 1760'FWL, SEC.27) Well: TROUDT 41N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-240.08	75.13	162.62	251.56	1.56	417.67	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-240.08	75.13	162.62	251.56	1.89	271.91	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-240.08	75.13	162.62	251.56	2.31	186.63	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-240.08	75.13	146.70	251.66	2.45	168.82	PASS
325.00†	324.96	2.62	0.75	324.40	324.40	-240.14	75.04	147.02	253.88	3.30	108.46	PASS
425.00†	424.77	8.49	2.42	421.73	421.69	-241.45	72.94	148.20	259.72	4.49	73.33	PASS
525.00†	524.30	17.71	5.06	518.01	517.80	-244.47	68.09	150.31	269.73	5.60	58.02	PASS
625.00†	623.44	30.26	8.64	612.70	612.08	-249.11	60.66	153.11	284.39	6.69	49.49	PASS
725.00†	722.07	46.13	13.17	705.26	703.91	-255.23	50.85	156.33	304.25	7.81	44.32	PASS
825.00†	820.05	65.30	18.64	795.21	792.75	-262.68	38.90	159.73	329.73	8.93	41.25	PASS
925.00†	917.29	87.74	25.05	885.55	881.58	-271.38	24.95	163.16	360.90	9.99	39.86	PASS
1025.00†	1013.64	113.44	32.39	976.59	971.06	-280.27	10.69	166.25	396.60	10.97	39.52	PASS
1067.21	1054.03	125.25	35.76	1014.60	1008.41	-283.99	4.74	167.43	412.94	11.35	39.66	PASS
1125.00†	1109.19	141.82	40.49	1066.46	1059.38	-289.05	-3.38	169.02	435.95	11.84	39.99	PASS
1225.00†	1204.64	170.48	48.68	1156.19	1147.57	-297.82	-17.43	171.41	476.38	12.17	42.44	PASS
1325.00†	1300.09	199.15	56.86	1245.92	1235.76	-306.58	-31.48	173.43	517.41	13.12	42.50	PASS
1425.00†	1395.55	227.82	65.05	1335.65	1323.95	-315.35	-45.54	175.17	558.91	13.84	43.33	PASS
1525.00†	1491.00	256.48	73.23	1425.38	1412.14	-324.11	-59.59	176.67	600.79	14.53	44.20	PASS
1625.00†	1586.45	285.15	81.42	1515.11	1500.33	-332.88	-73.64	177.98	642.97	15.24	44.98	PASS
1725.00†	1681.91	313.81	89.60	1604.85	1588.52	-341.64	-87.69	179.13	685.40	15.95	45.68	PASS
1825.00†	1777.36	342.48	97.79	1694.58	1676.71	-350.40	-101.74	-179.86	728.03	16.35	46.62	PASS
1925.00†	1872.81	371.14	105.97	1784.31	1764.90	-359.17	-115.80	-178.95	770.83	16.62	48.39	PASS
2025.00†	1968.27	399.81	114.15	1874.04	1853.09	-367.93	-129.85	-178.14	813.78	16.82	50.48	PASS
2125.00†	2063.72	428.48	122.34	1963.77	1941.27	-376.70	-143.90	-177.41	856.84	16.98	52.60	PASS
2225.00†	2159.17	457.14	130.52	2053.50	2029.46	-385.46	-157.95	-176.75	900.01	17.22	54.45	PASS
2325.00†	2254.63	485.81	138.71	2143.23	2117.65	-394.23	-172.00	-176.15	943.27	17.53	56.03	PASS
2425.00†	2350.08	514.47	146.89	2232.97	2205.84	-402.99	-186.06	-175.60	986.61	17.90	57.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 208 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41N-26B-L PWB Offset Wellpath: TROUDT 41N-26B-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 41N-26B-L PWB Offset Wellpath: TROUDT 41N-26B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1731.18	-146.36	45.80	-181.63	-10.76
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.18	-146.36	45.80	-181.63	-10.76
8.5in Open Hole	25.00	16514.62	16489.62	25.00	6976.00	-146.36	45.80	-347.96	2728.00

### SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-26B-L PWB Offset Wellpath: TROUDT 41N-26B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-26B-L PWB
1750.00	16514.62	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-26B-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41N-26B-L PWB Offset Wellpath: TROUDT 41N-26B-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 209 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 8N-26A-L PWB Offset Wellpath: TROUDT 8N-26A-L PWP (REV-A.0)

**Facility: SEC.27-T06N-R66W Slot: SLOT#21 TROUDT 8N-26A-L (1020'FNL & 1760'FWL, SEC.27) Well: TROUDT 8N-26A-L Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-260.12	75.13	163.89	270.75	1.56	449.65	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-260.12	75.13	163.89	270.75	1.89	292.44	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-260.12	75.13	163.89	270.75	2.30	201.55	PASS
225.00†	225.00	0.10	0.03	224.10	224.10	-260.19	75.05	147.99	270.89	2.44	182.57	PASS
325.00†	324.96	2.62	0.75	320.31	320.28	-261.72	73.18	148.70	274.13	3.36	114.10	PASS
425.00†	424.77	8.49	2.42	415.76	415.56	-265.27	68.85	150.28	281.85	4.74	74.33	PASS
525.00†	524.30	17.71	5.06	509.86	509.26	-270.73	62.18	152.56	294.42	5.96	58.77	PASS
625.00†	623.44	30.26	8.64	602.06	600.74	-277.97	53.34	155.32	312.28	7.13	50.45	PASS
725.00†	722.07	46.13	13.17	691.84	689.43	-286.81	42.55	158.32	335.82	8.30	45.65	PASS
825.00†	820.05	65.30	18.64	778.77	774.84	-297.04	30.05	161.35	365.33	9.41	43.13	PASS
925.00†	917.29	87.74	25.05	869.43	863.61	-308.72	15.80	164.41	400.19	10.41	42.26	PASS
1025.00†	1013.64	113.44	32.39	959.31	951.60	-320.30	1.65	167.08	439.23	11.39	42.02	PASS
1067.21	1054.03	125.25	35.76	996.79	988.31	-325.13	-4.25	168.10	456.91	11.68	42.57	PASS
1125.00†	1109.19	141.82	40.49	1047.92	1038.37	-331.72	-12.29	169.49	481.71	11.84	44.18	PASS
1225.00†	1204.64	170.48	48.68	1136.39	1124.99	-343.13	-26.22	171.60	525.12	12.75	44.49	PASS
1325.00†	1300.09	199.15	56.86	1224.87	1211.62	-354.53	-40.14	173.39	569.04	13.42	45.62	PASS
1425.00†	1395.55	227.82	65.05	1313.34	1298.24	-365.93	-54.06	174.94	613.35	14.08	46.70	PASS
1525.00†	1491.00	256.48	73.23	1401.82	1384.86	-377.34	-67.99	176.28	657.98	14.74	47.68	PASS
1625.00†	1586.45	285.15	81.42	1490.29	1471.49	-388.74	-81.91	177.45	702.86	15.42	48.55	PASS
1725.00†	1681.91	313.81	89.60	1578.77	1558.11	-400.15	-95.83	178.48	747.96	16.10	49.34	PASS
1825.00†	1777.36	342.48	97.79	1667.24	1644.74	-411.55	-109.76	179.40	793.23	16.49	50.36	PASS
1925.00†	1872.81	371.14	105.97	1755.72	1731.36	-422.95	-123.68	179.79	838.65	16.81	52.05	PASS
2025.00†	1968.27	399.81	114.15	1844.19	1817.99	-434.36	-137.60	179.05	884.19	17.04	54.08	PASS
2125.00†	2063.72	428.48	122.34	1932.67	1904.61	-445.76	-151.53	178.38	929.84	17.19	56.36	PASS
2225.00†	2159.17	457.14	130.52	2021.14	1991.24	-457.16	-165.45	177.78	975.58	17.41	58.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 210 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 8N-26A-L PWB Offset Wellpath: TROUDT 8N-26A-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 8N-26A-L PWB Offset Wellpath: TROUDT 8N-26A-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1725.77	-158.57	45.80	-207.98	-14.52
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.77	-158.57	45.80	-207.98	-14.52
8.5in Open Hole	1750.00	16421.92	14671.92	1725.77	6858.00	-207.98	-14.52	-421.25	2729.05

### SURVEY PROGRAM - Offset Wellbore: TROUDT 8N-26A-L PWB Offset Wellpath: TROUDT 8N-26A-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8N-26A-L PWB
1750.00	16421.92	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8N-26A-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8N-26A-L PWB Offset Wellpath: TROUDT 8N-26A-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 211 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KISSLER AMEN 1-26 AWB Offset Wellpath: EX. KISSLER AMEN 1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#09 EX. KISSLER AMEN 1-26 (1425'FNL & 660'FEL, PR/NB-CD) Well: EX. KISSLER AMEN 1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-17.00	25.00	-738.87	8377.14	95.04	8409.66	25.57	341.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KISSLER AMEN 1-26 AWB Offset Wellpath: EX. KISSLER AMEN 1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KISSLER AMEN 1-26 AWB Offset Wellpath: EX. KISSLER AMEN 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7256.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7256>	EX. KISSLER AMEN 1-26 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KISSLER AMEN 1-26 AWB Offset Wellpath: EX. KISSLER AMEN 1-26 AWP**

MD Reference: Rig on SLOT#09 EX. KISSLER AMEN 1-26 (1425'FNL & 660'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 212 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. LEFFLER 1-27 AWB Offset Wellpath: EX. LEFFLER 1-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#01 EX. LEFFLER 1-27 (600'FNL & 600'FEL, PR/CODL) Well: EX. LEFFLER 1-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-13.00	25.00	136.08	3049.66	87.45	3052.70	25.57	124.05	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. LEFFLER 1-27 AWB Offset Wellpath: EX. LEFFLER 1-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. LEFFLER 1-27 AWB Offset Wellpath: EX. LEFFLER 1-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7760.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7760>	EX. LEFFLER 1-27 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. LEFFLER 1-27 AWB Offset Wellpath: EX. LEFFLER 1-27 AWP**

MD Reference: Rig on SLOT#01 EX. LEFFLER 1-27 (600'FNL & 600'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 213 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)**

**Facility: SEC.27-T06N-R66W Slot: SLOT#22 TROUDT 8N-26B-L (1040'FNL & 1760'FWL, SEC.27) Well: TROUDT 8N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-280.16	75.13	164.99	290.06	1.56	481.82	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-280.16	75.13	164.99	290.06	1.89	313.04	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-280.16	75.13	164.99	290.06	2.31	214.81	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-280.16	75.13	149.06	290.15	2.45	194.29	PASS
325.00†	324.96	2.62	0.75	323.72	323.72	-280.23	75.06	149.32	292.45	3.31	124.26	PASS
425.00†	424.77	8.49	2.42	418.32	418.28	-281.90	73.41	150.20	299.01	4.57	82.61	PASS
525.00†	524.30	17.71	5.06	511.85	511.66	-285.73	69.63	151.77	310.49	5.79	64.08	PASS
625.00†	623.44	30.26	8.64	603.75	603.18	-291.61	63.83	153.85	327.20	6.95	54.50	PASS
725.00†	722.07	46.13	13.17	693.47	692.24	-299.37	56.19	156.25	349.44	8.07	49.02	PASS
825.00†	820.05	65.30	18.64	780.56	778.31	-308.79	46.90	158.79	377.47	9.17	45.88	PASS
925.00†	917.29	87.74	25.05	864.58	860.93	-319.64	36.19	161.30	411.42	10.24	44.26	PASS
1025.00†	1013.64	113.44	32.39	945.18	939.74	-331.67	24.33	163.70	451.27	11.23	43.86	PASS
1067.21	1054.03	125.25	35.76	982.05	975.68	-337.54	18.55	164.77	469.69	11.59	44.11	PASS
1125.00†	1109.19	141.82	40.49	1032.43	1024.79	-345.56	10.64	166.27	495.53	11.96	44.99	PASS
1225.00†	1204.64	170.48	48.68	1119.62	1109.77	-359.44	-3.05	168.52	540.83	12.63	46.29	PASS
1325.00†	1300.09	199.15	56.86	1206.81	1194.75	-373.32	-16.74	170.45	586.71	13.25	47.67	PASS
1425.00†	1395.55	227.82	65.05	1294.00	1279.73	-387.19	-30.42	172.10	633.06	13.83	49.14	PASS
1525.00†	1491.00	256.48	73.23	1381.19	1364.72	-401.07	-44.11	173.53	679.78	14.55	49.95	PASS
1625.00†	1586.45	285.15	81.42	1468.38	1449.70	-414.95	-57.80	174.78	726.79	15.21	50.94	PASS
1725.00†	1681.91	313.81	89.60	1555.57	1534.68	-428.83	-71.48	175.88	774.04	15.87	51.85	PASS
1825.00†	1777.36	342.48	97.79	1642.76	1619.66	-442.71	-85.17	176.86	821.50	16.25	52.98	PASS
1925.00†	1872.81	371.14	105.97	1729.95	1704.65	-456.59	-98.85	177.73	869.12	16.65	54.64	PASS
2025.00†	1968.27	399.81	114.15	1817.14	1789.63	-470.47	-112.54	178.51	916.89	16.87	56.70	PASS
2125.00†	2063.72	428.48	122.34	1904.33	1874.61	-484.35	-126.23	179.22	964.77	17.02	59.09	PASS

**C-C Clearance Distance Cutoff: 1000.00 ft**



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 214 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1724.19	-170.78	45.80	-225.53	-8.19
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1724.19	-170.78	45.80	-225.53	-8.19
8.5in Open Hole	1750.00	16568.66	14818.66	1724.19	N/A	-225.53	-8.19	N/A	N/A

### SURVEY PROGRAM - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8N-26B-L PWB
1750.00	16568.66	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8N-26B-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 215 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. LEFFLER 3 AWB Offset Wellpath: EX. LEFFLER 3 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#04 EX. LEFFLER 3 (460'FNL & 1780'FEL, PR/CODL) Well: EX. LEFFLER 3 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-3.00	25.00	248.19	1907.11	82.59	1923.20	25.57	78.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. LEFFLER 3 AWB Offset Wellpath: EX. LEFFLER 3 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. LEFFLER 3 AWB Offset Wellpath: EX. LEFFLER 3 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7343.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7343>	EX. LEFFLER 3 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. LEFFLER 3 AWB Offset Wellpath: EX. LEFFLER 3 AWP**

MD Reference: Rig on SLOT#04 EX. LEFFLER 3 (460'FNL & 1780'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 216 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#23 TROUDT 40C-26-L (1060'FNL & 1760'FWL, SEC.27) Well: TROUDT 40C-26-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-299.83	75.13	165.93	309.10	1.56	513.56	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-299.83	75.13	165.93	309.10	1.89	333.33	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-299.83	75.13	165.93	309.10	2.31	229.69	PASS
225.00†	225.00	0.10	0.03	223.49	223.49	-299.91	75.07	150.02	309.26	2.44	208.23	PASS
325.00†	324.96	2.62	0.75	317.26	317.23	-301.69	73.61	150.55	313.00	3.43	126.47	PASS
425.00†	424.77	8.49	2.42	410.27	410.08	-305.79	70.23	151.72	321.85	4.94	80.63	PASS
525.00†	524.30	17.71	5.06	501.94	501.38	-312.11	65.04	153.41	336.01	6.22	63.78	PASS
625.00†	623.44	30.26	8.64	591.71	590.49	-320.49	58.15	155.46	355.75	7.39	55.17	PASS
725.00†	722.07	46.13	13.17	679.08	676.85	-330.71	49.75	157.71	381.30	8.52	50.31	PASS
825.00†	820.05	65.30	18.64	763.60	759.97	-342.52	40.04	160.00	412.78	9.65	47.40	PASS
925.00†	917.29	87.74	25.05	844.89	839.45	-355.67	29.24	162.22	450.21	10.63	46.48	PASS
1025.00†	1013.64	113.44	32.39	928.27	920.54	-370.68	16.90	164.45	493.23	11.54	46.55	PASS
1067.21	1054.03	125.25	35.76	964.86	956.10	-377.34	11.42	165.36	512.62	11.87	46.91	PASS
1125.00†	1109.19	141.82	40.49	1014.74	1004.57	-386.42	3.96	166.65	539.74	12.24	47.79	PASS
1225.00†	1204.64	170.48	48.68	1101.06	1088.46	-402.14	-8.96	168.63	587.13	12.79	49.58	PASS
1325.00†	1300.09	199.15	56.86	1187.37	1172.34	-417.86	-21.88	170.31	635.00	13.38	51.06	PASS
1425.00†	1395.55	227.82	65.05	1273.69	1256.23	-433.58	-34.80	171.77	683.25	14.08	52.00	PASS
1525.00†	1491.00	256.48	73.23	1360.01	1340.11	-449.30	-47.72	173.04	731.80	14.71	53.16	PASS
1625.00†	1586.45	285.15	81.42	1446.33	1424.00	-465.02	-60.64	174.15	780.59	15.35	54.21	PASS
1725.00†	1681.91	313.81	89.60	1532.64	1507.88	-480.74	-73.56	175.14	829.59	15.99	55.15	PASS
1825.00†	1777.36	342.48	97.79	1618.96	1591.77	-496.46	-86.48	176.02	878.76	16.34	56.33	PASS
1925.00†	1872.81	371.14	105.97	1705.28	1675.65	-512.18	-99.40	176.80	928.07	16.74	58.01	PASS
2025.00†	1968.27	399.81	114.15	1791.60	1759.54	-527.90	-112.32	177.51	977.50	16.99	59.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 217 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1719.11	-182.78	45.80	-249.98	-9.44
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.11	-182.78	45.80	-249.98	-9.44
8.5in Open Hole	1750.00	16774.69	15024.69	1719.11	N/A	-249.98	-9.44	N/A	N/A

### SURVEY PROGRAM - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40C-26-L PWB
1750.00	16774.69	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40C-26-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 218 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWB Offset Wellpath: EX. KINDSFATER 24E-223 AWP**

Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDSFATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11556.00	6964.96	1225.26	9258.21	82.46	11635.24	133.07	88.07	PASS
125.00†	125.00	0.00	0.00	11556.00	6964.96	1225.26	9258.21	82.46	11575.87	133.60	87.27	PASS
200.00	200.00	0.00	0.00	11556.00	6964.96	1225.26	9258.21	82.46	11531.71	133.92	86.72	PASS
225.00†	225.00	0.10	0.03	11556.00	6964.96	1225.26	9258.21	66.86	11517.03	134.03	86.54	PASS
325.00†	324.96	2.62	0.75	11556.00	6964.96	1225.26	9258.21	68.21	11457.97	134.48	85.81	PASS
425.00†	424.77	8.49	2.42	11556.00	6964.96	1225.26	9258.21	69.60	11398.43	134.93	85.08	PASS
525.00†	524.30	17.71	5.06	11556.00	6964.96	1225.26	9258.21	71.01	11338.48	135.40	84.33	PASS
625.00†	623.44	30.26	8.64	11556.00	6964.96	1225.26	9258.21	72.44	11278.18	135.88	83.59	PASS
725.00†	722.07	46.13	13.17	11556.00	6964.96	1225.26	9258.21	73.90	11217.61	136.37	82.84	PASS
825.00†	820.05	65.30	18.64	11556.00	6964.96	1225.26	9258.21	75.37	11156.83	136.88	82.08	PASS
925.00†	917.29	87.74	25.05	11556.00	6964.96	1225.26	9258.21	76.86	11095.92	137.41	81.31	PASS
1025.00†	1013.64	113.44	32.39	11556.00	6964.96	1225.26	9258.21	78.37	11034.95	137.98	80.53	PASS
1067.21	1054.03	125.25	35.76	11556.00	6964.96	1225.26	9258.21	79.00	11009.21	138.23	80.20	PASS
1125.00†	1109.19	141.82	40.49	11556.00	6964.96	1225.26	9258.21	79.00	10974.07	138.58	79.74	PASS
1225.00†	1204.64	170.48	48.68	11556.00	6964.96	1225.26	9258.21	79.00	10913.72	139.20	78.94	PASS
1325.00†	1300.09	199.15	56.86	11556.00	6964.96	1225.26	9258.21	79.00	10853.96	139.86	78.14	PASS
1425.00†	1395.55	227.82	65.05	11556.00	6964.96	1225.26	9258.21	79.00	10794.79	140.54	77.33	PASS
1525.00†	1491.00	256.48	73.23	11556.00	6964.96	1225.26	9258.21	79.00	10736.23	141.25	76.53	PASS
1625.00†	1586.45	285.15	81.42	11556.00	6964.96	1225.26	9258.21	79.00	10678.28	141.98	75.72	PASS
1725.00†	1681.91	313.81	89.60	11556.00	6964.96	1225.26	9258.21	79.00	10620.96	142.75	74.90	PASS
1825.00†	1777.36	342.48	97.79	11556.00	6964.96	1225.26	9258.21	79.00	10564.27	143.12	74.17	PASS
1925.00†	1872.81	371.14	105.97	11556.00	6964.96	1225.26	9258.21	79.00	10508.23	143.61	73.53	PASS
2025.00†	1968.27	399.81	114.15	11556.00	6964.96	1225.26	9258.21	79.00	10452.85	144.10	72.89	PASS
2125.00†	2063.72	428.48	122.34	11556.00	6964.96	1225.26	9258.21	79.00	10398.13	144.60	72.26	PASS
2225.00†	2159.17	457.14	130.52	11556.00	6964.96	1225.26	9258.21	79.00	10344.09	145.12	71.63	PASS
2325.00†	2254.63	485.81	138.71	11556.00	6964.96	1225.26	9258.21	79.00	10290.74	145.64	71.00	PASS
2425.00†	2350.08	514.47	146.89	11556.00	6964.96	1225.26	9258.21	79.00	10238.09	146.17	70.38	PASS
2525.00†	2445.53	543.14	155.08	11556.00	6964.96	1225.26	9258.21	79.00	10186.14	146.71	69.76	PASS
2625.00†	2540.98	571.80	163.26	11556.00	6964.96	1225.26	9258.21	79.00	10134.92	147.26	69.15	PASS
2725.00†	2636.44	600.47	171.45	11556.00	6964.96	1225.26	9258.21	79.00	10084.43	147.81	68.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 219 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWB Offset Wellpath: EX. KINDSFATER 24E-223 AWP												
Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDSFATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	11556.00	6964.96	1225.26	9258.21	79.00	10034.68	148.38	67.95	PASS
2925.00†	2827.34	657.80	187.82	11556.00	6964.96	1225.26	9258.21	79.00	9985.68	148.95	67.35	PASS
3025.00†	2922.80	686.47	196.00	11556.00	6964.96	1225.26	9258.21	79.00	9937.45	149.53	66.77	PASS
3125.00†	3018.25	715.13	204.19	11556.00	6964.96	1225.26	9258.21	79.00	9890.00	150.12	66.19	PASS
3225.00†	3113.70	743.80	212.37	11556.00	6964.96	1225.26	9258.21	79.00	9843.33	150.72	65.61	PASS
3325.00†	3209.16	772.46	220.56	11556.00	6964.96	1225.26	9258.21	79.00	9797.46	151.32	65.04	PASS
3425.00†	3304.61	801.13	228.74	11556.00	6964.96	1225.26	9258.21	79.00	9752.40	151.93	64.48	PASS
3525.00†	3400.06	829.79	236.93	11556.00	6964.96	1225.26	9258.21	79.00	9708.16	152.55	63.93	PASS
3625.00†	3495.52	858.46	245.11	11556.00	6964.96	1225.26	9258.21	79.00	9664.76	153.17	63.39	PASS
3725.00†	3590.97	887.13	253.29	11556.00	6964.96	1225.26	9258.21	79.00	9622.19	153.80	62.85	PASS
3825.00†	3686.42	915.79	261.48	11556.00	6964.96	1225.26	9258.21	79.00	9580.49	154.43	62.32	PASS
3925.00†	3781.88	944.46	269.66	11556.00	6964.96	1225.26	9258.21	79.00	9539.64	155.06	61.80	PASS
4025.00†	3877.33	973.12	277.85	11556.00	6964.96	1225.26	9258.21	79.00	9499.68	155.70	61.29	PASS
4125.00†	3972.78	1001.79	286.03	11556.00	6964.96	1225.26	9258.21	79.00	9460.60	156.35	60.78	PASS
4225.00†	4068.23	1030.45	294.22	11556.00	6964.96	1225.26	9258.21	79.00	9422.42	156.99	60.29	PASS
4325.00†	4163.69	1059.12	302.40	11556.00	6964.96	1225.26	9258.21	79.00	9385.16	157.64	59.80	PASS
4425.00†	4259.14	1087.78	310.59	11556.00	6964.96	1225.26	9258.21	79.00	9348.81	158.29	59.32	PASS
4525.00†	4354.59	1116.45	318.77	11556.00	6964.96	1225.26	9258.21	79.00	9313.40	158.94	58.86	PASS
4625.00†	4450.05	1145.12	326.96	11556.00	6964.96	1225.26	9258.21	79.00	9278.93	159.58	58.40	PASS
4725.00†	4545.50	1173.78	335.14	11556.00	6964.96	1225.26	9258.21	79.00	9245.41	160.23	57.95	PASS
4825.00†	4640.95	1202.45	343.33	11556.00	6964.96	1225.26	9258.21	79.00	9212.85	160.88	57.51	PASS
4925.00†	4736.41	1231.11	351.51	11552.59	6964.97	1228.67	9258.21	78.98	9181.27	161.44	57.12	PASS
5025.00†	4831.86	1259.78	359.70	11523.66	6965.05	1257.60	9258.19	78.80	9150.62	161.31	56.97	PASS
5125.00†	4927.31	1288.44	367.88	11494.73	6965.13	1286.52	9258.18	78.62	9120.86	161.19	56.83	PASS
5225.00†	5022.77	1317.11	376.07	11465.80	6965.21	1315.45	9258.17	78.44	9092.02	161.05	56.70	PASS
5325.00†	5118.22	1345.78	384.25	11436.87	6965.29	1344.38	9258.16	78.26	9064.10	160.91	56.57	PASS
5425.00†	5213.67	1374.44	392.43	11407.95	6965.38	1373.31	9258.14	78.08	9037.11	160.77	56.46	PASS
5525.00†	5309.12	1403.11	400.62	11379.02	6965.46	1402.24	9258.13	77.90	9011.05	160.62	56.35	PASS
5625.00†	5404.58	1431.77	408.80	11350.09	6965.54	1431.17	9258.12	77.71	8985.93	160.46	56.24	PASS
5725.00†	5500.03	1460.44	416.99	11321.16	6965.62	1460.10	9258.11	77.53	8961.77	160.30	56.15	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 220 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWB Offset Wellpath: EX. KINDSFATER 24E-223 AWP**

**Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDSFATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	11292.23	6965.70	1489.02	9258.10	77.35	8938.57	160.13	56.06	PASS
5925.00†	5690.94	1517.77	433.36	11263.30	6965.78	1517.95	9258.08	77.17	8916.33	159.96	55.99	PASS
6025.00†	5786.39	1546.43	441.54	11234.37	6965.86	1546.88	9258.07	76.99	8895.07	159.77	55.92	PASS
6125.00†	5881.84	1575.10	449.73	11205.45	6965.94	1575.81	9258.06	76.80	8874.79	159.58	55.86	PASS
6225.00†	5977.30	1603.77	457.91	11176.52	6966.02	1604.74	9258.05	76.62	8855.50	159.38	55.80	PASS
6325.00†	6072.75	1632.43	466.10	11147.59	6966.10	1633.67	9258.03	76.44	8837.21	159.18	55.76	PASS
6425.00†	6168.20	1661.10	474.28	11118.66	6966.18	1662.59	9258.02	76.26	8819.91	158.96	55.73	PASS
6525.00†	6263.66	1689.76	482.47	11089.73	6966.26	1691.52	9258.01	76.08	8803.63	158.74	55.70	PASS
6625.00†	6359.11	1718.43	490.65	11060.80	6966.35	1720.45	9258.00	75.89	8788.35	158.51	55.69	PASS
6725.00†	6454.56	1747.09	498.84	11031.87	6966.43	1749.38	9257.99	75.71	8774.09	158.26	55.68	PASS
6825.00†	6550.01	1775.76	507.02	11002.95	6966.51	1778.31	9257.97	75.53	8760.86	158.01	55.69	PASS
6888.88	6610.99	1794.07	512.25	10984.47	6966.56	1796.79	9257.96	75.41	8752.94	157.85	55.70	PASS
6925.00†	6645.37	1804.39	516.22	10974.05	6966.59	1807.21	9257.96	65.87	8747.64	157.76	55.69	PASS
7025.00†	6738.80	1832.44	537.75	10945.76	6966.67	1835.50	9257.95	46.26	8723.17	157.77	55.53	PASS
7125.00†	6827.86	1859.15	574.28	10918.81	6966.74	1862.44	9257.94	34.69	8684.77	158.31	55.10	PASS
7225.00†	6910.36	1883.87	624.90	10893.88	6966.81	1887.37	9257.93	27.71	8633.21	158.76	54.62	PASS
7325.00†	6984.27	1905.99	688.37	10871.58	6966.87	1909.67	9257.92	23.24	8569.57	159.13	54.09	PASS
7425.00†	7047.75	1924.97	763.12	10852.46	6966.93	1928.80	9257.91	20.22	8495.17	159.41	53.52	PASS
7525.00†	7099.27	1940.34	847.32	10836.98	6966.97	1944.27	9257.90	18.07	8411.62	159.61	52.93	PASS
7625.00†	7137.53	1951.72	938.90	10825.53	6967.00	1955.72	9257.90	16.38	8320.75	159.74	52.32	PASS
7725.00†	7161.61	1958.83	1035.59	10818.39	6967.02	1962.86	9257.89	14.50	8224.61	159.80	51.69	PASS
7825.00†	7170.90	1961.50	1135.02	10815.74	6967.03	1965.51	9257.89	4.84	8125.44	159.83	51.06	PASS
7840.20	7171.00	1961.51	1150.22	10815.74	6967.03	1965.52	9257.89	-9.04	8110.24	159.83	50.96	PASS
7925.00†	7170.58	1961.28	1235.02	10816.01	6967.03	1965.25	9257.89	-8.95	8025.46	159.85	50.43	PASS
8025.00†	7170.10	1961.00	1335.01	10816.32	6967.03	1964.93	9257.89	-8.84	7925.48	159.87	49.79	PASS
8125.00†	7169.61	1960.73	1435.01	10816.64	6967.03	1964.61	9257.89	-8.73	7825.51	159.90	49.15	PASS
8225.00†	7169.12	1960.46	1535.01	10816.96	6967.03	1964.30	9257.89	-8.62	7725.53	159.92	48.52	PASS
8325.00†	7168.63	1960.18	1635.01	10817.27	6967.03	1963.98	9257.89	-8.51	7625.55	159.95	47.88	PASS
8425.00†	7168.14	1959.91	1735.01	10817.59	6967.02	1963.66	9257.89	-8.41	7525.58	159.97	47.25	PASS
8525.00†	7167.65	1959.64	1835.01	10817.91	6967.02	1963.35	9257.89	-8.30	7425.60	160.00	46.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 221 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWB Offset Wellpath: EX. KINDSFATER 24E-223 AWP												
Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDSFATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASH [ft]	Sep Ratio	ACR Status
8625.00†	7167.16	1959.37	1935.00	10818.22	6967.02	1963.03	9257.89	-8.19	7325.63	160.03	45.98	PASS
8725.00†	7166.67	1959.09	2035.00	10818.54	6967.02	1962.71	9257.89	-8.08	7225.65	160.06	45.34	PASS
8825.00†	7166.18	1958.82	2135.00	10818.86	6967.02	1962.40	9257.89	-7.97	7125.68	160.09	44.70	PASS
8925.00†	7165.69	1958.55	2235.00	10819.17	6967.02	1962.08	9257.89	-7.87	7025.71	160.13	44.07	PASS
9025.00†	7165.20	1958.27	2335.00	10819.49	6967.02	1961.76	9257.90	-7.76	6925.73	160.16	43.43	PASS
9125.00†	7164.71	1958.00	2435.00	10819.81	6967.02	1961.45	9257.90	-7.65	6825.76	160.20	42.79	PASS
9225.00†	7164.22	1957.73	2534.99	10820.12	6967.02	1961.13	9257.90	-7.54	6725.79	160.23	42.16	PASS
9325.00†	7163.73	1957.46	2634.99	10820.44	6967.02	1960.81	9257.90	-7.43	6625.82	160.27	41.52	PASS
9425.00†	7163.24	1957.18	2734.99	10820.76	6967.02	1960.50	9257.90	-7.32	6525.86	160.31	40.88	PASS
9525.00†	7162.75	1956.91	2834.99	10821.07	6967.01	1960.18	9257.90	-7.21	6425.89	160.35	40.25	PASS
9625.00†	7162.26	1956.64	2934.99	10821.39	6967.01	1959.86	9257.90	-7.11	6325.92	160.39	39.61	PASS
9725.00†	7161.77	1956.36	3034.99	10821.71	6967.01	1959.55	9257.90	-7.00	6225.96	160.43	38.97	PASS
9825.00†	7161.28	1956.09	3134.99	10822.02	6967.01	1959.23	9257.90	-6.89	6125.99	160.48	38.34	PASS
9925.00†	7160.79	1955.82	3234.98	10822.34	6967.01	1958.91	9257.90	-6.78	6026.03	160.52	37.70	PASS
10025.00†	7160.30	1955.55	3334.98	10822.66	6967.01	1958.60	9257.90	-6.67	5926.07	160.57	37.07	PASS
10125.00†	7159.81	1955.27	3434.98	10822.97	6967.01	1958.28	9257.90	-6.56	5826.11	160.62	36.43	PASS
10225.00†	7159.32	1955.00	3534.98	10823.29	6967.01	1957.97	9257.90	-6.45	5726.15	160.66	35.79	PASS
10325.00†	7158.83	1954.73	3634.98	10823.61	6967.01	1957.65	9257.90	-6.34	5626.19	160.71	35.16	PASS
10425.00†	7158.34	1954.45	3734.98	10823.92	6967.01	1957.33	9257.90	-6.23	5526.24	160.77	34.52	PASS
10525.00†	7157.85	1954.18	3834.97	10824.24	6967.01	1957.02	9257.90	-6.12	5426.28	160.82	33.89	PASS
10625.00†	7157.36	1953.91	3934.97	10824.56	6967.00	1956.70	9257.90	-6.02	5326.33	160.87	33.25	PASS
10725.00†	7156.87	1953.64	4034.97	10824.87	6967.00	1956.38	9257.90	-5.91	5226.38	160.93	32.62	PASS
10825.00†	7156.38	1953.36	4134.97	10825.19	6967.00	1956.07	9257.90	-5.80	5126.43	160.98	31.98	PASS
10925.00†	7155.89	1953.09	4234.97	10825.50	6967.00	1955.75	9257.90	-5.69	5026.48	161.04	31.35	PASS
11025.00†	7155.40	1952.82	4334.97	10825.82	6967.00	1955.43	9257.90	-5.58	4926.54	161.10	30.71	PASS
11125.00†	7154.92	1952.55	4434.96	10826.14	6967.00	1955.12	9257.90	-5.47	4826.59	161.16	30.08	PASS
11225.00†	7154.43	1952.27	4534.96	10826.45	6967.00	1954.80	9257.90	-5.36	4726.65	161.22	29.44	PASS
11325.00†	7153.94	1952.00	4634.96	10826.77	6967.00	1954.48	9257.90	-5.25	4626.72	161.28	28.81	PASS
11425.00†	7153.45	1951.73	4734.96	10827.09	6967.00	1954.17	9257.90	-5.14	4526.78	161.35	28.18	PASS
11525.00†	7152.96	1951.45	4834.96	10827.40	6967.00	1953.85	9257.90	-5.03	4426.85	161.41	27.54	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 222 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWB Offset Wellpath: EX. KINDSFATER 24E-223 AWP**

**Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDSFATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.47	1951.18	4934.96	10827.72	6967.00	1953.53	9257.90	-4.92	4326.92	161.48	26.91	PASS
11725.00†	7151.98	1950.91	5034.96	10828.04	6967.00	1953.22	9257.90	-4.81	4226.99	161.55	26.28	PASS
11825.00†	7151.49	1950.64	5134.95	10828.35	6966.99	1952.90	9257.90	-4.70	4127.07	161.62	25.64	PASS
11925.00†	7151.00	1950.36	5234.95	10828.67	6966.99	1952.58	9257.90	-4.59	4027.15	161.69	25.01	PASS
12025.00†	7150.51	1950.09	5334.95	10828.99	6966.99	1952.27	9257.90	-4.48	3927.24	161.76	24.38	PASS
12125.00†	7150.02	1949.82	5434.95	10829.30	6966.99	1951.95	9257.90	-4.37	3827.33	161.83	23.75	PASS
12225.00†	7149.53	1949.54	5534.95	10829.62	6966.99	1951.63	9257.90	-4.26	3727.42	161.91	23.12	PASS
12325.00†	7149.04	1949.27	5634.95	10829.94	6966.99	1951.32	9257.90	-4.15	3627.52	161.99	22.49	PASS
12425.00†	7148.55	1949.00	5734.94	10830.25	6966.99	1951.00	9257.90	-4.04	3527.63	162.07	21.86	PASS
12525.00†	7148.06	1948.73	5834.94	10830.57	6966.99	1950.68	9257.90	-3.93	3427.74	162.15	21.23	PASS
12625.00†	7147.57	1948.45	5934.94	10830.89	6966.99	1950.37	9257.90	-3.82	3327.86	162.23	20.60	PASS
12725.00†	7147.08	1948.18	6034.94	10831.20	6966.99	1950.05	9257.90	-3.71	3227.99	162.31	19.97	PASS
12825.00†	7146.59	1947.91	6134.94	10831.52	6966.99	1949.73	9257.90	-3.60	3128.12	162.40	19.34	PASS
12925.00†	7146.10	1947.63	6234.94	10831.84	6966.98	1949.42	9257.90	-3.49	3028.27	162.49	18.71	PASS
13025.00†	7145.61	1947.36	6334.94	10832.15	6966.98	1949.10	9257.90	-3.38	2928.42	162.58	18.09	PASS
13125.00†	7145.12	1947.09	6434.93	10832.47	6966.98	1948.78	9257.90	-3.27	2828.58	162.67	17.46	PASS
13225.00†	7144.63	1946.82	6534.93	10832.79	6966.98	1948.47	9257.90	-3.16	2728.76	162.77	16.83	PASS
13325.00†	7144.14	1946.54	6634.93	10833.10	6966.98	1948.15	9257.90	-3.05	2628.95	162.87	16.21	PASS
13425.00†	7143.65	1946.27	6734.93	10833.42	6966.98	1947.83	9257.90	-2.94	2529.15	162.97	15.58	PASS
13525.00†	7143.16	1946.00	6834.93	10833.74	6966.98	1947.52	9257.90	-2.83	2429.37	163.08	14.96	PASS
13625.00†	7142.67	1945.72	6934.93	10834.05	6966.98	1947.20	9257.90	-2.72	2329.61	163.18	14.33	PASS
13725.00†	7142.18	1945.45	7034.92	10834.37	6966.98	1946.88	9257.90	-2.61	2229.87	163.30	13.71	PASS
13825.00†	7141.69	1945.18	7134.92	10834.69	6966.98	1946.57	9257.90	-2.50	2130.16	163.42	13.09	PASS
13925.00†	7141.20	1944.91	7234.92	10835.00	6966.98	1946.25	9257.90	-2.39	2030.47	163.54	12.47	PASS
14025.00†	7140.71	1944.63	7334.92	10835.32	6966.97	1945.93	9257.90	-2.28	1930.82	163.67	11.84	PASS
14125.00†	7140.23	1944.36	7434.92	10835.64	6966.97	1945.62	9257.90	-2.17	1831.20	163.81	11.22	PASS
14225.00†	7139.74	1944.09	7534.92	10835.95	6966.97	1945.30	9257.90	-2.06	1731.63	163.95	10.60	PASS
14325.00†	7139.25	1943.82	7634.91	10836.27	6966.97	1944.98	9257.90	-1.95	1632.11	164.11	9.98	PASS
14425.00†	7138.76	1943.54	7734.91	10836.59	6966.97	1944.67	9257.90	-1.84	1532.65	164.28	9.37	PASS
14525.00†	7138.27	1943.27	7834.91	10836.90	6966.97	1944.35	9257.90	-1.73	1433.26	164.46	8.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 223 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDFSATER 24E-223 AWB Offset Wellpath: EX. KINDFSATER 24E-223 AWP**

Facility: SEC.24-T06N-R66W Slot: SLOT#03 EX. KINDFSATER 24E-223 (370'FNL & 1539'FWL, XX) Well: EX. KINDFSATER 24E-223 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14625.00†	7137.78	1943.00	7934.91	10837.22	6966.97	1944.04	9257.90	-1.62	1333.97	164.67	8.13	PASS
14725.00†	7137.29	1942.72	8034.91	10837.54	6966.97	1943.72	9257.90	-1.51	1234.80	164.90	7.52	PASS
14825.00†	7136.80	1942.45	8134.91	10837.85	6966.97	1943.40	9257.90	-1.40	1135.77	165.16	6.90	PASS
14925.00†	7136.31	1942.18	8234.91	10838.17	6966.97	1943.09	9257.90	-1.29	1036.92	165.46	6.29	PASS
15025.00†	7135.82	1941.91	8334.90	10838.49	6966.97	1942.77	9257.90	-1.18	938.32	165.82	5.68	PASS
15125.00†	7135.33	1941.63	8434.90	10838.80	6966.96	1942.45	9257.90	-1.07	840.05	166.26	5.07	PASS
15192.09	7135.00	1941.45	8501.99	10839.01	6966.96	1942.24	9257.90	-0.99	774.37	166.62	4.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KINDFSATER 24E-223 AWB Offset Wellpath: EX. KINDFSATER 24E-223 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KINDFSATER 24E-223 AWB Offset Wellpath: EX. KINDFSATER 24E-223 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11556.00	ISCSWA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL ***PLANS*** PROVIDED BY SRC <400'-11556'>	EX. KINDFSATER 24E-223 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KINDFSATER 24E-223 AWB Offset Wellpath: EX. KINDFSATER 24E-223 AWP**

MD Reference: Rig on SLOT#03 EX. KINDFSATER 24E-223 (370'FNL & 1539'FWL, XX) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 224 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#24 TROUDT 40N-26C-L (1080'FNL & 1760'FWL, SEC.27) Well: TROUDT 40N-26C-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	-319.87	75.13	166.78	328.57	1.56	546.02	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-319.87	75.13	166.78	328.57	1.89	354.08	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-319.87	75.13	166.78	328.57	2.31	242.92	PASS
225.00†	225.00	0.10	0.03	225.00	225.00	-319.87	75.13	150.85	328.67	2.46	219.69	PASS
325.00†	324.96	2.62	0.75	323.17	323.17	-319.95	75.08	151.06	331.03	3.32	140.05	PASS
425.00†	424.77	8.49	2.42	415.56	415.53	-321.77	73.79	151.74	338.02	4.63	91.82	PASS
525.00†	524.30	17.71	5.06	506.89	506.71	-325.98	70.83	152.93	350.36	5.94	70.22	PASS
625.00†	623.44	30.26	8.64	596.61	596.08	-332.41	66.30	154.51	368.24	7.14	59.51	PASS
725.00†	722.07	46.13	13.17	684.18	683.03	-340.90	60.32	156.35	391.84	8.26	53.60	PASS
825.00†	820.05	65.30	18.64	769.15	767.05	-351.21	53.06	158.29	421.27	9.33	50.25	PASS
925.00†	917.29	87.74	25.05	851.08	847.69	-363.08	44.71	160.23	456.58	10.34	48.59	PASS
1025.00†	1013.64	113.44	32.39	929.65	924.59	-376.22	35.46	162.10	497.70	11.33	47.94	PASS
1067.21	1054.03	125.25	35.76	961.73	955.86	-382.08	31.33	162.85	516.77	11.70	48.05	PASS
1125.00†	1109.19	141.82	40.49	1004.82	997.73	-390.41	25.47	164.00	543.98	12.12	48.69	PASS
1225.00†	1204.64	170.48	48.68	1077.61	1068.10	-405.64	14.75	165.82	593.05	12.77	50.17	PASS
1325.00†	1300.09	199.15	56.86	1161.36	1148.76	-424.07	1.77	167.69	643.70	13.37	51.79	PASS
1425.00†	1395.55	227.82	65.05	1245.71	1229.99	-442.64	-11.31	169.31	694.80	13.96	53.38	PASS
1525.00†	1491.00	256.48	73.23	1330.06	1311.23	-461.21	-24.38	170.71	746.28	14.59	54.70	PASS
1625.00†	1586.45	285.15	81.42	1414.41	1392.46	-479.78	-37.46	171.94	798.05	15.21	55.97	PASS
1725.00†	1681.91	313.81	89.60	1498.76	1473.69	-498.35	-50.53	173.01	850.06	15.83	57.10	PASS
1825.00†	1777.36	342.48	97.79	1583.11	1554.93	-516.92	-63.60	173.97	902.27	16.18	58.46	PASS
1925.00†	1872.81	371.14	105.97	1667.46	1636.16	-535.49	-76.68	174.83	954.65	16.56	60.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 225 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1715.66	-194.99	45.80	-266.25	-4.37
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1715.66	-194.99	45.80	-266.25	-4.37
8.5in Open Hole	1750.00	16723.95	14973.95	1715.66	7063.00	-266.25	-4.37	-649.11	2732.26

**SURVEY PROGRAM - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40N-26C-L PWB
1750.00	16723.95	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40N-26C-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 226 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: ELDRIDGE #4-23 AWB Offset Wellpath: ELDRIDGE #4-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#04 EX:ELDRIDGE #4-23 (1977'FNL & 477'FEL SEC.23,PR,7250'MD) Well: ELDRIDGE #4-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	5.65	19.65	3928.09	8559.17	65.35	9417.50	50.17	191.38	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: ELDRIDGE #4-23 AWB Offset Wellpath: ELDRIDGE #4-23 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: ELDRIDGE #4-23 AWB Offset Wellpath: ELDRIDGE #4-23 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.75in Open Hole	0.00	314.00	314.00	-11.00	302.99	2395.47	5217.26	2395.56	5217.61
9.625in Casing Surface	0.00	314.00	314.00	-11.00	302.99	2395.47	5217.26	2395.56	5217.61
7.875in Open Hole	314.00	7250.00	6936.00	302.99	7238.38	2395.56	5217.61	2377.65	5210.72
4.5in Casing Production	0.00	7250.00	7250.00	-11.00	7238.38	2395.47	5217.26	2377.65	5210.72

**WELLPATH COMPOSITION - Offset Wellbore: ELDRIDGE #4-23 AWB Offset Wellpath: ELDRIDGE #4-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC <100-7100>	ELDRIDGE #4-23 AWB
7100.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7250' FROM CO WEBSITE)	ELDRIDGE #4-23 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 227 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: ELDRIDGE #4-23 AWB Offset Wellpath: ELDRIDGE #4-23 AWP

MD Reference: Rig on SLOT#04 EX:ELDRIDGE #4-23 (1977'FNL & 477'FEL SEC.23,PR,7250'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 228 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. JONES WALTER 1-26 AWB Offset Wellpath: EX. JONES WALTER 1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#08 EX. JONES WALTER 1-26 (1980'FNL & 1980'FEL, PR/CODL) Well: EX. JONES WALTER 1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-24.00	25.00	-1260.62	7058.04	100.13	7169.73	25.57	291.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. JONES WALTER 1-26 AWB Offset Wellpath: EX. JONES WALTER 1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. JONES WALTER 1-26 AWB Offset Wellpath: EX. JONES WALTER 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250>	EX. JONES WALTER 1-26 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. JONES WALTER 1-26 AWB Offset Wellpath: EX. JONES WALTER 1-26 AWP**

MD Reference: Rig on SLOT#08 EX. JONES WALTER 1-26 (1980'FNL & 1980'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 229 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#03EX: LOWELL ADAMS #1-23 (1980'FNL & 660'FWL SEC.23, PA, 7280'MD) Well: LOWELL ADAMS #1-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	17.00	25.00	3949.94	4343.71	47.72	5871.10	50.56	118.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	511.00	511.00	-17.00	494.00	2408.12	2647.71	2408.12	2647.71
9.625in Casing Surface	0.00	511.00	511.00	-17.00	494.00	2408.12	2647.71	2408.12	2647.71
7.875in Open Hole	511.00	7263.00	6752.00	494.00	7246.00	2408.12	2647.71	2408.12	2647.71
4.5in Casing Production	0.00	7263.00	7263.00	-17.00	7246.00	2408.12	2647.71	2408.12	2647.71

## WELLPATH COMPOSITION - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7280' FROM CO WEBSITE)	LOWELL ADAMS #1-23 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

MD Reference: Rig on SLOT#03EX: LOWELL ADAMS #1-23 (1980'FNL & 660'FWL SEC.23, PA, 7280'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 230 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. BARNEY 7 AWB Offset Wellpath: EX. BARNEY 7 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. BARNEY 7 (231'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 7 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	0.00	25.00	957.97	5173.96	79.51	5261.90	50.17	106.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 7 AWB Offset Wellpath: EX. BARNEY 7 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 7 AWB Offset Wellpath: EX. BARNEY 7 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES SURVEY INTERNATIONAL GYRO SURVEYS PROVIDED BY SRC <100'-7000'>	EX. BARNEY 7 AWB
7000.00	7355.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7355'>	EX. BARNEY 7 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 7 AWB Offset Wellpath: EX. BARNEY 7 AWP

MD Reference: Rig on SLOT#06 EX. BARNEY 7 (231'FSL & 1500'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 231 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. LEFFLER 5 AWB Offset Wellpath: EX. LEFFLER 5 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#05 EX. LEFFLER 5 (1300'FNL & 1170'FEL, PR/NB-CD) Well: EX. LEFFLER 5 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-5.00	25.00	-550.72	2461.23	102.61	2522.09	25.57	102.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. LEFFLER 5 AWB Offset Wellpath: EX. LEFFLER 5 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## WELLPATH COMPOSITION - Offset Wellbore: EX. LEFFLER 5 AWB Offset Wellpath: EX. LEFFLER 5 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7411.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7411>	EX. LEFFLER 5 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. LEFFLER 5 AWB Offset Wellpath: EX. LEFFLER 5 AWP

MD Reference: Rig on SLOT#05 EX. LEFFLER 5 (1300'FNL & 1170'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 232 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP**

Facility: SEC.23-T06N-R66W Slot: SLOT#03 EX:ELDRIDGE #2-23 (1993'FNL & 2048'FEL SEC.23,PR,7260'MD) Well: ELDRIDGE #2-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	8.32	19.32	4018.67	6978.91	60.07	8053.26	50.13	163.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	416.00	416.00	-14.00	401.99	2450.38	4254.00	2450.80	4254.25
8.625in Casing Surface	0.00	416.00	416.00	-14.00	401.99	2450.38	4254.00	2450.80	4254.25
7.875in Open Hole	416.00	7256.00	6840.00	401.99	7241.24	2450.80	4254.25	2448.94	4257.25
4.5in Casing Production	0.00	7256.00	7256.00	-14.00	7241.24	2450.38	4254.00	2448.94	4257.25

**WELLPATH COMPOSITION - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC <100-7100>	ELDRIDGE #2-23 AWB
7100.00	7260.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7260 FROM CO WEBSITE)	ELDRIDGE #2-23 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 233 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP

MD Reference: Rig on SLOT#03 EX:ELDRIDGE #2-23 (1993'FNL & 2048'FEL SEC.23,PR,7260'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 234 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: WX. WEBER 1-26 AWB Offset Wellpath: WX. WEBER 1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#06 EX. WEBER 1-26 (2250'FSL & 930'FEL, PR/CODL) Well: EX. WEBER 1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-24.00	25.00	-2290.94	8113.30	105.77	8430.54	25.57	342.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: WX. WEBER 1-26 AWB Offset Wellpath: WX. WEBER 1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: WX. WEBER 1-26 AWB Offset Wellpath: WX. WEBER 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7257.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7257>	WX. WEBER 1-26 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: WX. WEBER 1-26 AWB Offset Wellpath: WX. WEBER 1-26 AWP**

MD Reference: Rig on SLOT#06 EX. WEBER 1-26 (2250'FSL & 930'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 235 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. HD FEIT 1-26 AWB Offset Wellpath: EX. HD FEIT 1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#05 EX. HD FEIT 1-26 (1980'FNL & 660'FFWL, PR / CODL) Well: EX. HD FEIT 1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	250.00	25.00	-1242.67	4322.92	106.04	4497.98	52.13	87.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. HD FEIT 1-26 AWB Offset Wellpath: EX. HD FEIT 1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. HD FEIT 1-26 AWB Offset Wellpath: EX. HD FEIT 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7220>	EX. HD FEIT 1-26 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. HD FEIT 1-26 AWB Offset Wellpath: EX. HD FEIT 1-26 AWP**

MD Reference: Rig on SLOT#05 EX. HD FEIT 1-26 (1980'FNL & 660'FFWL, PR / CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 236 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BEEBE 25N-26B-M AWB Offset Wellpath: BEEBE 25N-26B-M AWP**

Facility: SEC.34-T06N-R66W Slot: SLOT# 01 BEEBE 25N-26B-M (242'FNL & 2276'FWL SEC.34) Well: BEEBE 25N-26B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	2113.24	2020.50	-4275.71	289.50	176.13	4727.31	48.73	98.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BEEBE 25N-26B-M AWB Offset Wellpath: BEEBE 25N-26B-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BEEBE 25N-26B-M AWB Offset Wellpath: BEEBE 25N-26B-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1761.00	1741.00	37.00	1705.71	-2903.54	356.83	-2798.78	292.96
9.625in Casing Surface	20.00	1808.00	1788.00	37.00	1746.55	-2903.54	356.83	-2792.74	289.24
8.5in Open Hole	1761.00	14690.00	12929.00	1705.71	6970.76	-2798.78	292.96	-2054.29	2101.07

**WELLPATH COMPOSITION - Offset Wellbore: BEEBE 25N-26B-M AWB Offset Wellpath: BEEBE 25N-26B-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1761.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK W/EM 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<113-1766>	BEEBE 25N-26B-M AWB
1761.00	14667.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1865-14667>	BEEBE 25N-26B-M AWB
14667.00	14690.00	Blind Drilling (std)	Projection to bit	BEEBE 25N-26B-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 237 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: BEEBE 25N-26B-M AWP Offset Wellpath: BEEBE 25N-26B-M AWP

MD Reference: PRECISION 462 (20') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 238 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. LEFFLER 2 AWB Offset Wellpath: EX. LEFFLER 2 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 EX. LEFFLER 2 (1780'FNL & 460'FEL, PR/CODL) Well: EX. LEFFLER 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-12.00	25.00	-1039.93	3207.03	107.97	3371.43	25.57	137.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. LEFFLER 2 AWB Offset Wellpath: EX. LEFFLER 2 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. LEFFLER 2 AWB Offset Wellpath: EX. LEFFLER 2 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7281.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7281>	EX. LEFFLER 2 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. LEFFLER 2 AWB Offset Wellpath: EX. LEFFLER 2 AWP**

MD Reference: Rig on SLOT#03 EX. LEFFLER 2 (1780'FNL & 460'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 239 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDFSATER 24E-323 AWB Offset Wellpath: EX. KINDFSATER 24E-323 AWP**

<b>Facility: SEC.24-T06N-R66W Slot: SLOT#04 EX. KINDFSATER 24E-323 (370'FNL &amp; 1479'FWL, XX) Well: EX. KINDFSATER 24E-323 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	45.00	25.00	5659.34	10492.00	61.66	11921.00	50.18	242.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KINDFSATER 24E-323 AWB Offset Wellpath: EX. KINDFSATER 24E-323 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KINDFSATER 24E-323 AWB Offset Wellpath: EX. KINDFSATER 24E-323 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11580.70	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL ***PLANS*** PROVIDED BY SRC <600'-11580.7'>	EX. KINDFSATER 24E-323 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KINDFSATER 24E-323 AWB Offset Wellpath: EX. KINDFSATER 24E-323 AWP**

MD Reference: Rig on SLOT#04 EX. KINDFSATER 24E-323 (370'FNL & 1479'FWL, XX) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 240 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SEELY LAKE 1 AWB Offset Wellpath: EX. SEELY LAKE 1 AWP**

Facility: SEC.24-T06N-R66W Slot: SLOT#02 EX. SEELY LAKE 1 (530'FSL & 2160'FWL, PR/CODL) Well: EX. SEELY LAKE 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-7.00	25.00	1217.94	11245.15	83.82	11310.91	25.57	459.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SEELY LAKE 1 AWB Offset Wellpath: EX. SEELY LAKE 1 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. SEELY LAKE 1 AWB Offset Wellpath: EX. SEELY LAKE 1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7670.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7670>	EX. SEELY LAKE 1 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SEELY LAKE 1 AWB Offset Wellpath: EX. SEELY LAKE 1 AWP**

MD Reference: Rig on SLOT#02 EX. SEELY LAKE 1 (530'FSL & 2160'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 241 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BEEBE 25C-26-M AWB Offset Wellpath: BEEBE 25C-26-M AWP**

Facility: SEC.34-T06N-R66W Slot: SLOT# 02 BEEBE 25C-26-M (262'FNL & 2276'FWL SEC.34) Well: BEEBE 25C-26-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	2048.91	1978.34	-4359.64	321.53	175.78	4788.04	48.67	100.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BEEBE 25C-26-M AWB Offset Wellpath: BEEBE 25C-26-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BEEBE 25C-26-M AWB Offset Wellpath: BEEBE 25C-26-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1766.00	1746.00	37.00	1719.19	-2915.76	356.83	-2819.53	295.20
9.625in Casing Surface	20.00	1813.00	1793.00	37.00	1761.32	-2915.76	356.83	-2814.32	291.57
8.5in Open Hole	1766.00	14766.00	13000.00	1719.19	N/A	-2819.53	295.20	N/A	N/A

**WELLPATH COMPOSITION - Offset Wellbore: BEEBE 25C-26-M AWB Offset Wellpath: BEEBE 25C-26-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1766.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK W/EM 13.5"(STD ROTATING, AXIAL, ROCKIES GT)<108-1766>	BEEBE 25C-26-M AWB
1766.00	14742.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1865-14742>	BEEBE 25C-26-M AWB
14742.00	14765.00	Blind Drilling (std)	Projection to bit	BEEBE 25C-26-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 242 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**OFFSET WELLPATH REFERENCE - Offset Wellbore: BEEBE 25C-26-M AWP Offset Wellpath: BEEBE 25C-26-M AWP**

MD Reference: PRECISION 462 (20') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 243 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: ALLES #2-23 AWB Offset Wellpath: ALLES #2-23 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#05EX: ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300'MD) Well: ALLES #2-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	17.86	24.86	4083.96	5835.44	55.01	7122.58	50.13	144.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: ALLES #2-23 AWB Offset Wellpath: ALLES #2-23 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: ALLES #2-23 AWB Offset Wellpath: ALLES #2-23 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	311.00	311.00	-18.00	293.00	2490.00	3556.99	2490.36	3556.85
8.625in Casing Surface	0.00	311.00	311.00	-18.00	293.00	2490.00	3556.99	2490.36	3556.85
7.875in Open Hole	311.00	7300.00	6989.00	293.00	7281.00	2490.36	3556.85	2474.03	3546.64
4.5in Casing Production	0.00	7300.00	7300.00	-18.00	7281.00	2490.00	3556.99	2474.03	3546.64

## WELLPATH COMPOSITION - Offset Wellbore: ALLES #2-23 AWB Offset Wellpath: ALLES #2-23 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE, +.49)<100-7100>	ALLES #2-23 AWB
7100.00	7300.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7300' FROM CO WEBSITE)	ALLES #2-23 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 244 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: ALLES #2-23 AWB Offset Wellpath: ALLES #2-23 AWP

MD Reference: Rig on SLOT#05EX: ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 245 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. CROISSANT 27-4G6 AWB Offset Wellpath: EX. CROISSANT 27-4G6 AWP**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#10 EX. CROISSANT 27-4G6 (661'FNL &amp; 670'FWL, SI/CODL) Well: EX. CROISSANT 27-4G6 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	30.00	25.00	-80.85	-1106.90	-94.18	1109.85	50.23	22.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. CROISSANT 27-4G6 AWB Offset Wellpath: EX. CROISSANT 27-4G6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. CROISSANT 27-4G6 AWB Offset Wellpath: EX. CROISSANT 27-4G6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7259.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7259'>	EX. CROISSANT 27-4G6 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. CROISSANT 27-4G6 AWB Offset Wellpath: EX. CROISSANT 27-4G6 AWP**

MD Reference: Rig on SLOT#10 EX. CROISSANT 27-4G6 (661'FNL & 670'FWL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 246 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SEELY LAKE 2 AWB Offset Wellpath: EX. SEELY LAKE 2 AWP**

Facility: SEC.24-T06N-R66W Slot: SLOT#07 EX. SEELY LAKE 2 (2180'FSL & 860'FWL, PR/NB-CD) Well: EX. SEELY LAKE 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	1.50	24.50	2883.01	9918.11	73.79	10328.64	50.17	209.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SEELY LAKE 2 AWB Offset Wellpath: EX. SEELY LAKE 2 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. SEELY LAKE 2 AWB Offset Wellpath: EX. SEELY LAKE 2 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100'-7000'>	EX. SEELY LAKE 2 AWB
7000.00	7245.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7245'>	EX. SEELY LAKE 2 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SEELY LAKE 2 AWB Offset Wellpath: EX. SEELY LAKE 2 AWP**

MD Reference: Rig on SLOT#07 EX. SEELY LAKE 2 (2180'FSL & 860'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 247 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KINDFSATER 24J-243 AWB Offset Wellpath: EX. KINDFSATER 24J-243 AWP**

<b>Facility: SEC.24-T06N-R66W Slot: SLOT#05 EX. KINDFSATER 24J-243 (370'FNL &amp; 1509'FWL, XX) Well: EX. KINDFSATER 24J-243 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	45.00	25.00	5659.36	10522.61	61.73	11947.95	50.19	242.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KINDFSATER 24J-243 AWB Offset Wellpath: EX. KINDFSATER 24J-243 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KINDFSATER 24J-243 AWB Offset Wellpath: EX. KINDFSATER 24J-243 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11495.20	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL ***PLANS*** PROVIDED BY SRC <1000'-11495.2>	EX. KINDFSATER 24J-243 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KINDFSATER 24J-243 AWB Offset Wellpath: EX. KINDFSATER 24J-243 AWP**

MD Reference: Rig on SLOT#05 EX. KINDFSATER 24J-243 (370'FNL & 1509'FWL, XX) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 248 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CLEARANCE DATA - Offset Wellbore: EX. KENT 1 AWB Offset Wellpath: EX. KENT 1 AWP

Facility: SEC.24-T06N-R66W Slot: SLOT#06 EX. KENT 1 (1650'FNL & 990'FWL, PR/CODL) Well: EX. KENT 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	17.66	20.66	4299.84	9994.90	66.72	10880.56	50.17	221.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

### POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KENT 1 AWB Offset Wellpath: EX. KENT 1 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### WELLPATH COMPOSITION - Offset Wellbore: EX. KENT 1 AWB Offset Wellpath: EX. KENT 1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6500.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100'-6500'>	EX. KENT 1 AWB
6500.00	9027.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <9027'>	EX. KENT 1 AWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KENT 1 AWB Offset Wellpath: EX. KENT 1 AWP

MD Reference: Rig on SLOT#06 EX. KENT 1 (1650'FNL & 990'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 249 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KISSLER AMEN 1-25 AWB Offset Wellpath: EX. KISSLER AMEN 1-25 AWP**

<b>Facility: SEC.25-T06N-R66W Slot: SLOT#01 EX. KISSLER AMEN 1-25 (1980'FNL &amp; 660'FWL, PR/CODL) Well: EX.KISSLER AMEN 1-25 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-12.00	25.00	-1241.14	9701.87	97.29	9780.94	25.57	397.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KISSLER AMEN 1-25 AWB Offset Wellpath: EX. KISSLER AMEN 1-25 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KISSLER AMEN 1-25 AWB Offset Wellpath: EX. KISSLER AMEN 1-25 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES GYRO SURVEYS PROVIDED BY SRC <100-7000>	EX. KISSLER AMEN 1-25 AWB
7000.00	7260.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7260>	EX. KISSLER AMEN 1-25 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KISSLER AMEN 1-25 AWB Offset Wellpath: EX. KISSLER AMEN 1-25 AWP**

MD Reference: Rig on SLOT#01 EX. KISSLER AMEN 1-25 (1980'FNL & 660'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 250 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. TROUDT 2-27 AWB Offset Wellpath: EX. TROUDT 2-27 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#02 EX. TROUDT 2-27 (1981'FNL & 1987'FWL, AB/NB-CD) Well: EX. TROUDT 2-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-7.00	25.00	-1216.13	309.73	165.71	1254.95	25.57	50.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. TROUDT 2-27 AWB Offset Wellpath: EX. TROUDT 2-27 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## WELLPATH COMPOSITION - Offset Wellbore: EX. TROUDT 2-27 AWB Offset Wellpath: EX. TROUDT 2-27 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7280>	EX. TROUDT 2-27 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. TROUDT 2-27 AWB Offset Wellpath: EX. TROUDT 2-27 AWP

MD Reference: Rig on SLOT#02 EX. TROUDT 2-27 (1981'FNL & 1987'FWL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 251 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: FEIT #26-10G6 AWB Offset Wellpath: FEIT #26-10G6 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#02 FEIT #26-10G6 (1977'FSL & 1989'FEL SEC.26,PR) Well: FEIT #26-10G6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-25.00	26.00	-2710.17	7250.75	110.50	7740.70	25.57	314.60	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: FEIT #26-10G6 AWB Offset Wellpath: FEIT #26-10G6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: FEIT #26-10G6 AWB Offset Wellpath: FEIT #26-10G6 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.875in Open Hole	0.00	481.00	481.00	26.00	507.00	-1651.47	4420.30	-1651.47	4420.30
7in Casing Surface	0.00	481.00	481.00	26.00	507.00	-1651.47	4420.30	-1651.47	4420.30
6.25in Open Hole	481.00	7260.00	6779.00	507.00	7286.00	-1651.47	4420.30	-1651.47	4420.30
2.875in Casing Production	0.00	7260.00	7260.00	26.00	7286.00	-1651.47	4420.30	-1651.47	4420.30

**WELLPATH COMPOSITION - Offset Wellbore: FEIT #26-10G6 AWB Offset Wellpath: FEIT #26-10G6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7279.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7279' FROM CO WEBSITE>	FEIT #26-10G6 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: FEIT #26-10G6 AWB Offset Wellpath: FEIT #26-10G6 AWP**

MD Reference: Rig on SLOT#02 FEIT #26-10G6 (1977'FSL & 1989'FEL SEC.26,PR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 252 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. CROISSANT 1-27 AWB Offset Wellpath: EX. CROISSANT 1-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#09 EX. CROISSANT 1-27 (1980'FNL & 660'FWL, PA/CODL) Well: EX. CROISSANT 1-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-8.00	25.00	-1272.17	-1030.99	-140.98	1637.49	25.57	66.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. CROISSANT 1-27 AWB Offset Wellpath: EX. CROISSANT 1-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. CROISSANT 1-27 AWB Offset Wellpath: EX. CROISSANT 1-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7700.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7700'>	EX. CROISSANT 1-27 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. CROISSANT 1-27 AWB Offset Wellpath: EX. CROISSANT 1-27 AWP**

MD Reference: Rig on SLOT#09 EX. CROISSANT 1-27 (1980'FNL & 660'FWL, PA/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 253 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. KNAUS D 1-28 AWB Offset Wellpath: EX. KNAUS D 1-28 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL) Well: EX. KNAUS D 1-28 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	5.00	25.00	46.03	-2520.99	-88.95	2521.41	50.18	51.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KNAUS D 1-28 AWB Offset Wellpath: EX. KNAUS D 1-28 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. KNAUS D 1-28 AWB Offset Wellpath: EX. KNAUS D 1-28 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7260.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7260'>	EX. KNAUS D 1-28 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KNAUS D 1-28 AWB Offset Wellpath: EX. KNAUS D 1-28 AWP**

MD Reference: Rig on SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 254 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: L&L PARTNERSHIP #22-8 AWB Offset Wellpath: L&L PARTNERSHIP #22-8 AWP

Facility: SEC.22-T06N-R66W Slot: SLOT#07EX:L&L PARTNERSHIP #22-8 (1987'FNL & 664'FEL SEC.22,PR,7350') Well: L&L PARTNERSHIP #22-8 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	16.43	28.43	3858.30	3033.06	38.17	4907.74	50.13	99.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: L&L PARTNERSHIP #22-8 AWB Offset Wellpath: L&L PARTNERSHIP #22-8 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: L&L PARTNERSHIP #22-8 AWB Offset Wellpath: L&L PARTNERSHIP #22-8 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	472.00	472.00	-13.00	459.00	2352.13	1848.81	2351.97	1848.58
8.625in Casing Surface	0.00	472.00	472.00	-13.00	459.00	2352.13	1848.81	2351.97	1848.58
7.875in Open Hole	472.00	7293.00	6821.00	459.00	7279.53	2351.97	1848.58	2342.70	1841.86
4.5in Casing Production	0.00	7293.00	7293.00	-13.00	7279.53	2352.13	1848.81	2342.70	1841.86

## WELLPATH COMPOSITION - Offset Wellbore: L&L PARTNERSHIP #22-8 AWB Offset Wellpath: L&L PARTNERSHIP #22-8 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSE GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE, +.48)<100-7100>	L&L PARTNERSHIP #22-8 AWB
7100.00	7350.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7350' FROM CO WEBSITE)	L&L PARTNERSHIP #22-8 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 255 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: L&L PARTNERSHIP #22-8 AWB Offset Wellpath: L&L PARTNERSHIP #22-8 AWP	
MD Reference: Rig on SLOT#07EX:L&L PARTNERSHIP #22-8 (1987'FNL & 664'FEL SEC.22,PR,7350') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 256 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BUXMAN I #26-6 AWB Offset Wellpath: BUXMAN I #26-6 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#03 BUXMAN I #26-6 (2100'FNL & 1970'FWL SEC.26, PR) Well: BUXMAN I #26-6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-25.00	26.00	-1365.18	5640.28	103.61	5803.14	25.57	235.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BUXMAN I #26-6 AWB Offset Wellpath: BUXMAN I #26-6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BUXMAN I #26-6 AWB Offset Wellpath: BUXMAN I #26-6 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	481.00	481.00	26.00	507.00	-831.82	3438.41	-832.08	3438.29
8.625in Casing Surface	0.00	481.00	481.00	26.00	507.00	-831.82	3438.41	-832.08	3438.29
7.875in Open Hole	481.00	7259.00	6778.00	507.00	7283.42	-832.08	3438.29	-816.72	3432.84
4.5in Casing Production	0.00	7259.00	7259.00	26.00	7283.42	-831.82	3438.41	-816.72	3432.84

**WELLPATH COMPOSITION - Offset Wellbore: BUXMAN I #26-6 AWB Offset Wellpath: BUXMAN I #26-6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE, +.49)<100-7000>	BUXMAN I #26-6 AWB
7000.00	7300.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7300' FROM CO WEBSITE)	BUXMAN I #26-6 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 257 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: BUXMAN I #26-6 AWB Offset Wellpath: BUXMAN I #26-6 AWP

MD Reference: Rig on SLOT#03 BUXMAN I #26-6 (2100'FNL & 1970'FWL SEC.26, PR) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 258 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. KNAUS 28-8 AWB Offset Wellpath: EX. KNAUS 28-8 AWP

Facility: SEC.28-T06N-R66W Slot: SLOT#05 EX. KNAUS 28-8 (1981'FNL & 662'FEL, PR/NB-CD) Well: EX. KNAUS 28-8 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-6.00	25.00	-1046.22	-2174.66	-115.69	2413.24	25.57	98.05	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KNAUS 28-8 AWB Offset Wellpath: EX. KNAUS 28-8 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## WELLPATH COMPOSITION - Offset Wellbore: EX. KNAUS 28-8 AWB Offset Wellpath: EX. KNAUS 28-8 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7313.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7313>	EX. KNAUS 28-8 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KNAUS 28-8 AWB Offset Wellpath: EX. KNAUS 28-8 AWP

MD Reference: Rig on SLOT#05 EX. KNAUS 28-8 (1981'FNL & 662'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 259 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: EX. TODD 13-25 AWB Offset Wellpath: EX. TODD 13-25 AWP

Facility: SEC.25-T06N-R66W Slot: SLOT#01 EX. TODD 13-25 (1980'FSL & 660'FWL, PR/NB-CD) Well: EX. TODD 13-25 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-17.00	25.00	-2714.10	9672.15	105.68	10045.73	25.57	408.29	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: EX. TODD 13-25 AWB Offset Wellpath: EX. TODD 13-25 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## WELLPATH COMPOSITION - Offset Wellbore: EX. TODD 13-25 AWB Offset Wellpath: EX. TODD 13-25 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100-7100>	EX. TODD 13-25 AWB
7100.00	7311.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7311>	EX. TODD 13-25 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. TODD 13-25 AWB Offset Wellpath: EX. TODD 13-25 AWP

MD Reference: Rig on SLOT#01 EX. TODD 13-25 (1980'FSL & 660'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 260 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BUXMAN 28-15 AWB Offset Wellpath: EX. BUXMAN 28-15 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD) Well: EX. BUXMAN 28-15 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	-579.79	-3162.45	-100.39	3215.16	50.20	65.29	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BUXMAN 28-15 AWB Offset Wellpath: EX. BUXMAN 28-15 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BUXMAN 28-15 AWB Offset Wellpath: EX. BUXMAN 28-15 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7274.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7274">	EX. BUXMAN 28-15 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BUXMAN 28-15 AWB Offset Wellpath: EX. BUXMAN 28-15 AWP**

MD Reference: Rig on SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 261 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

**Facility: SEC.22-T06N-R66W Slot: SLOT#02 EX:RUTT-ADAMS HEIRS #1-22(1980'FSL&1980'FWL,SEC.22,PR,7279'MD) Well: RUTT-ADAMS HEIRS #1-22 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11.08	25.08	2733.10	236.77	4.95	2743.34	50.13	55.74	PASS
125.00†	125.00	0.00	0.00	112.08	126.08	2733.10	236.64	4.95	2743.32	50.13	55.73	PASS
200.00	200.00	0.00	0.00	189.48	203.48	2733.04	236.54	4.95	2743.26	50.14	55.72	PASS
225.00†	225.00	0.10	0.03	214.95	228.95	2733.01	236.52	-10.99	2743.12	50.14	55.71	PASS
325.00†	324.96	2.62	0.75	315.55	329.55	2732.86	236.37	-11.01	2740.39	50.18	55.62	PASS
425.00†	424.77	8.49	2.42	413.81	427.81	2732.75	235.94	-11.07	2734.25	50.26	55.40	PASS
525.00†	524.30	17.71	5.06	509.77	523.76	2732.77	235.31	-11.16	2724.81	50.36	55.10	PASS
625.00†	623.44	30.26	8.64	609.39	623.38	2732.83	234.68	-11.28	2712.01	50.28	54.74	PASS
725.00†	722.07	46.13	13.17	705.82	719.81	2732.93	234.05	-11.42	2695.87	50.39	54.29	PASS
825.00†	820.05	65.30	18.64	808.71	822.70	2732.97	233.30	-11.61	2676.29	50.51	53.77	PASS
925.00†	917.29	87.74	25.05	902.27	916.26	2732.99	232.69	-11.81	2653.38	50.64	53.17	PASS
1025.00†	1013.64	113.44	32.39	998.39	1012.37	2733.08	232.10	-12.06	2627.24	50.77	52.51	PASS
1067.21	1054.03	125.25	35.76	1039.61	1053.59	2733.11	231.85	-12.17	2615.22	50.83	52.21	PASS
1125.00†	1109.19	141.82	40.49	1095.96	1109.94	2733.13	231.58	-12.26	2598.34	50.88	51.82	PASS
1225.00†	1204.64	170.48	48.68	1196.26	1210.24	2733.03	231.17	-12.42	2569.05	50.98	51.13	PASS
1325.00†	1300.09	199.15	56.86	1290.23	1304.21	2732.88	230.81	-12.57	2539.69	51.10	50.43	PASS
1425.00†	1395.55	227.82	65.05	1383.60	1397.58	2732.79	230.44	-12.72	2510.43	51.22	49.72	PASS
1525.00†	1491.00	256.48	73.23	1478.48	1492.46	2732.76	229.94	-12.88	2481.23	51.36	49.01	PASS
1625.00†	1586.45	285.15	81.42	1570.64	1584.62	2732.78	229.49	-13.05	2452.11	51.50	48.30	PASS
1725.00†	1681.91	313.81	89.60	1669.29	1683.27	2732.85	229.15	-13.22	2423.06	51.66	47.58	PASS
1825.00†	1777.36	342.48	97.79	1765.57	1779.55	2732.78	228.65	-13.39	2393.88	51.58	46.90	PASS
1925.00†	1872.81	371.14	105.97	1859.22	1873.20	2732.75	228.15	-13.57	2364.77	51.64	46.27	PASS
2025.00†	1968.27	399.81	114.15	1952.83	1966.81	2732.81	227.53	-13.75	2335.75	51.72	45.63	PASS
2125.00†	2063.72	428.48	122.34	2047.65	2061.62	2732.93	226.76	-13.95	2306.82	51.82	44.98	PASS
2225.00†	2159.17	457.14	130.52	2145.79	2159.76	2733.03	225.79	-14.16	2277.88	51.93	44.31	PASS
2325.00†	2254.63	485.81	138.71	2244.93	2258.88	2732.95	224.59	-14.38	2248.79	52.07	43.63	PASS
2425.00†	2350.08	514.47	146.89	2341.00	2354.95	2732.79	223.20	-14.61	2219.63	52.21	42.95	PASS
2525.00†	2445.53	543.14	155.08	2433.76	2447.70	2732.67	221.68	-14.84	2190.54	52.37	42.25	PASS
2625.00†	2540.98	571.80	163.26	2524.65	2538.58	2732.73	220.12	-15.08	2161.68	52.54	41.56	PASS
2725.00†	2636.44	600.47	171.45	2619.31	2633.22	2732.92	218.41	-15.33	2132.97	52.74	40.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 262 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP

Facility: SEC.22-T06N-R66W Slot: SLOT#02 EX:RUTT-ADAMS HEIRS #1-22(1980'FSL&1980'FWL,SEC.22,PR,7279'MD) Well: RUTT-ADAMS HEIRS #1-22 Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2825.00†	2731.89	629.13	179.63	2716.92	2730.81	2733.02	216.60	-15.60	2104.21	52.94	40.14	PASS
2925.00†	2827.34	657.80	187.82	2807.66	2821.53	2733.21	214.91	-15.86	2075.60	53.16	39.43	PASS
3025.00†	2922.80	686.47	196.00	2906.26	2906.26	2733.42	213.10	-16.15	2047.03	53.40	38.72	PASS
3125.00†	3018.25	715.13	204.19	2996.96	3010.80	2733.66	211.42	-16.42	2018.55	53.65	38.00	PASS
3225.00†	3113.70	743.80	212.37	3093.94	3107.76	2733.99	209.74	-16.72	1990.20	53.92	37.28	PASS
3325.00†	3209.16	772.46	220.56	3184.55	3198.37	2734.36	208.36	-17.00	1961.96	54.19	36.56	PASS
3425.00†	3304.61	801.13	228.74	3276.38	3290.18	2734.95	207.02	-17.28	1933.99	54.48	35.84	PASS
3525.00†	3400.06	829.79	236.93	3373.28	3387.07	2735.65	205.64	-17.59	1906.16	54.79	35.13	PASS
3625.00†	3495.52	858.46	245.11	3466.30	3480.08	2736.29	204.48	-17.90	1878.33	55.11	34.41	PASS
3725.00†	3590.97	887.13	253.29	3559.56	3573.34	2737.11	203.56	-18.20	1850.74	55.44	33.70	PASS
3825.00†	3686.42	915.79	261.48	3655.19	3668.96	2738.02	202.74	-18.52	1823.26	55.79	32.99	PASS
3925.00†	3781.88	944.46	269.66	3752.62	3766.38	2738.89	202.03	-18.85	1795.78	56.15	32.28	PASS
4025.00†	3877.33	973.12	277.85	3854.36	3868.12	2739.62	201.51	-19.19	1768.17	56.52	31.58	PASS
4125.00†	3972.78	1001.79	286.03	3953.45	3967.20	2739.96	201.22	-19.54	1740.25	56.90	30.87	PASS
4225.00†	4068.23	1030.45	294.22	4047.88	4061.63	2740.27	200.85	-19.88	1712.38	57.30	30.16	PASS
4325.00†	4163.69	1059.12	302.40	4143.81	4157.56	2740.64	200.55	-20.23	1684.61	57.70	29.46	PASS
4425.00†	4259.14	1087.78	310.59	4241.62	4255.37	2740.90	200.24	-20.60	1656.80	58.12	28.77	PASS
4525.00†	4354.59	1116.45	318.77	4337.07	4350.81	2741.06	199.84	-20.98	1628.96	58.55	28.07	PASS
4625.00†	4450.05	1145.12	326.96	4429.74	4443.49	2741.34	199.53	-21.36	1601.32	58.98	27.39	PASS
4725.00†	4545.50	1173.78	335.14	4524.89	4538.64	2741.76	199.17	-21.77	1573.87	59.43	26.72	PASS
4825.00†	4640.95	1202.45	343.33	4624.64	4638.39	2742.00	198.73	-22.21	1546.33	59.89	26.05	PASS
4925.00†	4736.41	1231.11	351.51	4722.14	4735.88	2742.05	198.14	-22.66	1518.70	60.36	25.38	PASS
5025.00†	4831.86	1259.78	359.70	4820.89	4834.63	2741.91	197.54	-23.14	1490.98	60.83	24.72	PASS
5125.00†	4927.31	1288.44	367.88	4919.65	4933.39	2741.53	196.86	-23.64	1463.13	61.31	24.07	PASS
5225.00†	5022.77	1317.11	376.07	5017.31	5031.05	2740.92	195.99	-24.16	1435.17	61.81	23.42	PASS
5325.00†	5118.22	1345.78	384.25	5115.79	5125.51	2740.24	194.75	-24.71	1407.30	62.31	22.77	PASS
5425.00†	5213.67	1374.44	392.43	5208.47	5222.17	2739.45	193.06	-25.31	1379.52	62.82	22.14	PASS
5525.00†	5309.12	1403.11	400.62	5304.28	5317.96	2738.54	191.16	-25.93	1351.79	63.35	21.51	PASS
5625.00†	5404.58	1431.77	408.80	5397.51	5411.17	2737.70	189.35	-26.56	1324.26	63.88	20.90	PASS
5725.00†	5500.03	1460.44	416.99	5492.23	5505.87	2736.93	187.54	-27.23	1296.97	64.42	20.29	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 263 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

**Facility: SEC.22-T06N-R66W Slot: SLOT#02 EX:RUTT-ADAMS HEIRS #1-22(1980'FSL&1980'FWL,SEC.22,PR,7279'MD) Well: RUTT-ADAMS HEIRS #1-22 Threshold Value=1.00 † = interpolated/extrapolated station**

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5825.00†	5595.48	1489.10	425.17	5588.94	5602.55	2736.04	185.38	-27.96	1269.80	64.97	19.70	PASS
5925.00†	5690.94	1517.77	433.36	5679.43	5693.00	2735.22	183.08	-28.67	1242.91	65.53	19.12	PASS
6025.00†	5786.39	1546.43	441.54	5775.51	5789.05	2734.57	180.63	-29.47	1216.45	66.10	18.55	PASS
6125.00†	5881.84	1575.10	449.73	5873.38	5886.89	2733.70	178.23	-30.31	1190.00	66.67	17.99	PASS
6225.00†	5977.30	1603.77	457.91	5967.41	5980.89	2732.81	176.18	-31.14	1163.67	67.25	17.44	PASS
6325.00†	6072.75	1632.43	466.10	6057.30	6070.76	2732.21	174.28	-31.97	1137.84	67.85	16.90	PASS
6425.00†	6168.20	1661.10	474.28	6149.40	6162.84	2732.02	172.15	-32.85	1112.74	68.46	16.38	PASS
6525.00†	6263.66	1689.76	482.47	6243.48	6256.89	2731.85	169.83	-33.80	1088.00	69.07	15.87	PASS
6625.00†	6359.11	1718.43	490.65	6337.01	6350.40	2731.91	167.65	-34.77	1063.74	69.69	15.38	PASS
6725.00†	6454.56	1747.09	498.84	6431.94	6445.30	2732.05	165.47	-35.80	1039.88	70.31	14.90	PASS
6825.00†	6550.01	1775.76	507.02	6526.91	6540.25	2732.33	163.64	-36.85	1016.39	70.94	14.43	PASS
6888.88	6610.99	1794.07	512.25	6587.24	6600.57	2732.68	162.84	-37.52	1001.59	71.35	14.14	PASS
6925.00†	6645.37	1804.39	516.22	6622.14	6635.47	2732.95	162.51	-48.11	993.69	71.58	13.98	PASS
7025.00†	6738.80	1832.44	537.75	6717.94	6731.26	2733.55	161.75	-70.76	976.44	72.36	13.59	PASS
7125.00†	6827.86	1859.15	574.28	6808.35	6821.67	2734.06	161.32	-85.26	967.50	73.53	13.25	PASS
7163.75†	6860.73	1869.00	592.28	6843.12	6856.45	2734.22	161.18	-89.46	966.69	74.02	13.15	PASS
7225.00†	6910.36	1883.87	624.90	6892.89	6906.21	2734.36	160.92	-94.80	968.83	74.86	13.03	PASS
7325.00†	6984.27	1905.99	688.37	6966.16	6979.48	2734.54	160.55	-100.94	982.40	76.52	12.92	PASS
7358.84†	7007.00	1912.79	712.49	6989.17	7002.49	2734.61	160.45	-102.43	990.03	77.20	12.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 264 of 356



**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**HOLE & CASING SECTIONS - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	532.00	532.00	-11.00	521.00	1666.10	144.33	1666.00	143.83
8.625in Casing Surface	0.00	532.00	532.00	-11.00	521.00	1666.10	144.33	1666.00	143.83
7.875in Open Hole	532.00	7235.00	6703.00	521.00	7223.32	1666.00	143.83	1666.68	120.90
4.5in Casing Production	0.00	7235.00	7235.00	-11.00	7223.32	1666.10	144.33	1666.68	120.90

**WELLPATH COMPOSITION - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6950.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY, ADJ FROM GRID TO TRUE <100-6950>	RUTT-ADAMS HEIRS #1-22 AWB
6950.00	7279.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7279' FROM CO WEBSITE>	RUTT-ADAMS HEIRS #1-22 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP**

MD Reference: Rig on SLOT#02 EX:RUTT-ADAMS HEIRS #1-22 (1980'FSL&1980'FWL,SEC.22,7279'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 265 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#07 ARNBRECHT #1-27 (1980'FSL &amp; 660'FEL SEC.27,7280'MD,PA) Well: ARNBRECHT #1-27 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-7.00	25.00	-2560.23	2967.35	130.79	3919.18	25.57	159.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	434.00	434.00	7.00	441.00	-1560.61	1808.99	-1560.61	1808.99
8.625in Casing Surface	0.00	434.00	434.00	7.00	441.00	-1560.61	1808.99	-1560.61	1808.99
7.875in Open Hole	434.00	7280.00	6846.00	441.00	7287.00	-1560.61	1808.99	-1560.61	1808.99
4.5in Casing Production	0.00	7280.00	7280.00	7.00	7287.00	-1560.61	1808.99	-1560.61	1808.99

**WELLPATH COMPOSITION - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7280'FROM CO WEBSITE>	ARNBRECHT #1-27 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP**

MD Reference: Rig on SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280'MD,PA) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 266 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. RONALD 1-28 AWB Offset Wellpath: EX. RONALD 1-28 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL) Well: EX. RONALD 1-28 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	-1252.29	-3658.40	-108.90	3866.79	50.20	78.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. RONALD 1-28 AWB Offset Wellpath: EX. RONALD 1-28 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. RONALD 1-28 AWB Offset Wellpath: EX. RONALD 1-28 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7220>	EX. RONALD 1-28 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. RONALD 1-28 AWB Offset Wellpath: EX. RONALD 1-28 AWP**

MD Reference: Rig on SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 267 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: PAYNE #2-26 AWB Offset Wellpath: PAYNE #2-26 AWP

**Facility:** SEC.26-T06N-R66W **Slot:** SLOT#02 PAYNE #2-26 (1577'FSL & 1969'FWL SEC.26,7706'MD,PR) **Well:** PAYNE #2-26 **Threshold Value=1.00** † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-22.00	25.00	-2939.44	5373.76	118.68	6125.16	25.57	248.93	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: PAYNE #2-26 AWB Offset Wellpath: PAYNE #2-26 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: PAYNE #2-26 AWB Offset Wellpath: PAYNE #2-26 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	253.00	253.00	22.00	275.00	-1791.53	3276.04	-1791.90	3275.91
8.625in Casing Surface	0.00	253.00	253.00	22.00	275.00	-1791.53	3276.04	-1791.90	3275.91
7.875in Open Hole	253.00	7700.00	7447.00	275.00	7721.30	-1791.90	3275.91	-1790.45	3258.16
5.5in Casing Intermediate	0.00	7700.00	7700.00	22.00	7721.30	-1791.53	3276.04	-1790.45	3258.16

## WELLPATH COMPOSITION - Offset Wellbore: PAYNE #2-26 AWB Offset Wellpath: PAYNE #2-26 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	BHI Generic gyro - continuous (Standard)	MS WIRELINE GYRO SURVEYS FROM SRC <100-7100>	PAYNE #2-26 AWB
7100.00	7706.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7706 FROM CO WEBSITE>	PAYNE #2-26 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 268 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: PAYNE #2-26 AWB Offset Wellpath: PAYNE #2-26 AWP

MD Reference: Rig on SLOT#02 PAYNE #2-26 (1577'FSL & 1969'FWL SEC.26,7706'MD,PR) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 269 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP**

<b>Facility: SEC.28-T06N-R66W Slot: SLOT#06 EX. SWANSON 28-21 (658'FNL &amp; 1985'FWL, PR/CODL) Well: EX. SWANSON 28-21 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	3.00	25.00	48.23	-4994.96	-89.45	4995.19	50.17	101.49	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250'>	EX. SWANSON 28-21 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP**

MD Reference: Rig on SLOT#06 EX. SWANSON 28-21 (658'FNL & 1985'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 270 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: IRVING #1-26 AWB Offset Wellpath: IRVING #1-26 AWP**

Facility: SEC.26-T06N-R66W Slot: SLOT#01 IRVING #1-26 (2175'FSL & 800'FWL SEC.26,7311'MD,PR) Well: IRVING #1-26 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-9.00	25.00	-2380.76	4509.29	117.83	5099.19	25.57	207.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: IRVING #1-26 AWB Offset Wellpath: IRVING #1-26 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: IRVING #1-26 AWB Offset Wellpath: IRVING #1-26 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	325.00	325.00	9.00	334.00	-1451.06	2748.99	-1451.22	2748.65
8.625in Casing Surface	0.00	325.00	325.00	9.00	334.00	-1451.06	2748.99	-1451.22	2748.65
7.875in Open Hole	325.00	7302.00	6977.00	334.00	7308.65	-1451.22	2748.65	-1420.94	2719.44
4.5in Casing Production	0.00	7302.00	7302.00	9.00	7308.65	-1451.06	2748.99	-1420.94	2719.44

**WELLPATH COMPOSITION - Offset Wellbore: IRVING #1-26 AWB Offset Wellpath: IRVING #1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	BHI Generic gyro - continuous (Standard)	MS WIRELINE GYRO SURVEYS FROM SRC <100-7100>	IRVING #1-26 AWB
7100.00	7311.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7311 FROM CO WEBSITE>	IRVING #1-26 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 271 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: IRVING #1-26 AWB Offset Wellpath: IRVING #1-26 AWP

MD Reference: Rig on SLOT#01 IRVING #1-26 (2175'FSL & 800'FWL SEC.26,7311'MD,PR) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 272 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#04 EX. DOERING 28-10 (1980'FSL & 1983'FEL, SI/CODL) Well: EX. DOERING 28-10 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-8.00	25.00	-2423.13	-3840.86	-122.25	4541.34	25.57	184.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7244.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7244>	EX. DOERING 28-10 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP**

MD Reference: Rig on SLOT#04 EX. DOERING 28-10 (1980'FSL & 1983'FEL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 273 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. SWANSON 28-24 AWB Offset Wellpath: EX. SWANSON 28-24 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#03 EX. SWANSON 28-24 (1835'FNL & 2126'FWL, PR/CODL) Well: EX. SWANSON 28-24 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-5.00	25.00	-1129.63	-4857.17	-103.09	4986.80	25.57	202.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SWANSON 28-24 AWB Offset Wellpath: EX. SWANSON 28-24 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. SWANSON 28-24 AWB Offset Wellpath: EX. SWANSON 28-24 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7235.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM SRC <7235>	EX. SWANSON 28-24 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SWANSON 28-24 AWB Offset Wellpath: EX. SWANSON 28-24 AWP**

MD Reference: Rig on SLOT#03 EX. SWANSON 28-24 (1835'FNL & 2126'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 274 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX SWANSON #28-22 (798'FNL & 521'FWL, SEC.28, PR, 7240) Well: SWANSON #28-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	7.00	25.00	-127.40	-6454.73	-91.13	6455.99	50.16	131.09	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	369.00	369.00	-7.00	362.00	-77.15	-3934.81	-77.15	-3934.81
8.625in Casing Surface	0.00	369.00	369.00	-7.00	362.00	-77.15	-3934.81	-77.15	-3934.81
7.875in Open Hole	369.00	7230.00	6861.00	362.00	7223.00	-77.15	-3934.81	-77.15	-3934.81
4.5in Casing Production	0.00	7230.00	7230.00	-7.00	7223.00	-77.15	-3934.81	-77.15	-3934.81

**WELLPATH COMPOSITION - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <7240>	SWANSON #28-22 AWP

**OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP**

MD Reference: Rig on SLOT#01 EX SWANSON #28-22 (798'FNL & 521'FWL, SEC.28, PR, 7240) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 275 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP**

<b>Facility: SEC.22-T06N-R66W Slot: SLOT#05 EX:INTERMILL #1-22 (1982'FNL &amp; 1974'FEL SEC.22,PA,7295'MD) Well: INTERMILL #1-22 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	24.02	28.02	4042.51	1687.62	22.66	4380.63	50.13	89.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	411.00	411.00	-21.00	390.00	2464.35	1028.69	2464.06	1028.65
8.625in Casing Surface	0.00	411.00	411.00	-21.00	390.00	2464.35	1028.69	2464.06	1028.65
7.875in Open Hole	411.00	7284.00	6873.00	390.00	7261.80	2464.06	1028.65	2464.15	1007.28
4.5in Casing Production	0.00	7284.00	7284.00	-21.00	7261.80	2464.35	1028.69	2464.15	1007.28

**WELLPATH COMPOSITION - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO'S PROVIDED BY SRC <100-7100> (ADJ FROM GRID TO TRUE -.48)	INTERMILL #1-22 AWB
7100.00	7295.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7295' FROM CO WEBSITE)	INTERMILL #1-22 AWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 276 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP</b>	
MD Reference: Rig on SLOT#05 EX:INTERMILL #1-22 (1982'FNL & 1974'FEL SEC.22,PA,7295'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 277 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP**

<b>Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX SWANSON #1 (1980'FNL &amp; 660'FWL, SEC.28, PA, 8971') Well: SWANSON #1 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	4.00	25.00	-1303.08	-6321.75	-101.65	6454.65	50.19	131.10	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	213.00	213.00	-4.00	209.00	-793.86	-3853.84	-793.86	-3853.84
9.625in Casing Surface	0.00	213.00	213.00	-4.00	209.00	-793.86	-3853.84	-793.86	-3853.84
7.875in Open Hole	213.00	7798.00	7585.00	209.00	7794.00	-793.86	-3853.84	-793.86	-3853.84
5.5in Casing Production	0.00	7798.00	7798.00	-4.00	7794.00	-793.86	-3853.84	-793.86	-3853.84

**WELLPATH COMPOSITION - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8971.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <8971>	SWANSON #1 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP**

MD Reference: Rig on SLOT#01 EX SWANSON #1 (1980'FNL & 660'FWL, SEC.28, PA, 8971') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 278 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SWANSON #28-23 AWB Offset Wellpath: SWANSON #28-23 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#02 EX SWANSON #28-23 (1784'FNL & 472'FWL, SEC.28, PR, 7240) Well: SWANSON #28-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	10.00	25.00	-1107.39	-6505.63	-99.66	6599.21	50.22	133.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #28-23 AWB Offset Wellpath: SWANSON #28-23 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: SWANSON #28-23 AWB Offset Wellpath: SWANSON #28-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <7240>	SWANSON #28-23 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #28-23 AWB Offset Wellpath: SWANSON #28-23 AWP**

MD Reference: Rig on SLOT#02 EX SWANSON #28-23 (1784'FNL & 472'FWL, SEC.28, PR, 7240) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 279 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 28N-29B-L PWB Offset Wellpath: TROUDT 28N-29B-L PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#25 TROUDT 28N-29B-L (2062'FNL &amp; 1688'FWL, SEC.27) Well: TROUDT 28N-29B-L Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1301.34	2.50	179.89	1301.34	1.26	4334.59	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 28N-29B-L PWB Offset Wellpath: TROUDT 28N-29B-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 28N-29B-L PWB Offset Wellpath: TROUDT 28N-29B-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1709.81	-793.29	1.53	-690.97	9.93
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1709.81	-793.29	1.53	-690.97	9.93
8.5in Open Hole	1750.00	16627.98	14877.98	1709.81	6904.00	-690.97	9.93	-239.52	-2890.00

**SURVEY PROGRAM - Offset Wellbore: TROUDT 28N-29B-L PWB Offset Wellpath: TROUDT 28N-29B-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 28N-29B-L PWB
1750.00	16627.98	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 28N-29B-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 28N-29B-L PWB Offset Wellpath: TROUDT 28N-29B-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	<b>25.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 280 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX. MCKAY LAND & CATTLE CO #1 (1980'FSL & 1980'FWL, PR/CODL) Well: EX. MCKAY LAND & CATTLE CO #1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	0.00	25.00	-2601.80	-4997.16	-117.50	5633.92	50.17	114.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7662.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7662>	EX. MCKAY LAND & CATTLE CO #1 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP**

MD Reference: Rig on SLOT301 EX. MCKAY LAND & CATTLE CO #1 (1980'FSL & 1980'FWL, PR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 281 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#08 EX SWANSON #29-11 (560'FNL & 660'FEL, SEC.29, PR, 7239') Well: SWANSON #29-11 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	4.00	25.00	96.97	-7540.98	-89.26	7541.60	50.15	153.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	366.00	366.00	-4.00	362.00	59.81	-4596.97	59.81	-4596.97
8.625in Casing Surface	0.00	366.00	366.00	-4.00	362.00	59.81	-4596.97	59.81	-4596.97
6.25in Open Hole	366.00	7223.00	6857.00	362.00	7219.00	59.81	-4596.97	59.81	-4596.97
4.5in Casing Production	0.00	7223.00	7223.00	-4.00	7219.00	59.81	-4596.97	59.81	-4596.97

## WELLPATH COMPOSITION - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7239.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7239>	SWANSON #29-11 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

MD Reference: Rig on SLOT#08 EX SWANSON #29-11 (560'FNL & 660'FEL, SEC.29, PR, 7239') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 282 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#09 EX SWANSON #29-14 (2165'FNL & 859'FEL, SEC.29, PR, 7220') Well: SWANSON #29-14 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	7.00	25.00	-1516.50	-7839.78	-100.95	7985.10	50.16	162.14	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	322.00	322.00	-7.00	315.00	-923.70	-4779.27	-923.70	-4779.27
8.625in Casing Surface	0.00	322.00	322.00	-7.00	315.00	-923.70	-4779.27	-923.70	-4779.27
7.875in Open Hole	322.00	7250.00	6928.00	315.00	N/A	-923.70	-4779.27	N/A	N/A
3.5in Casing Production	0.00	7250.00	7250.00	-7.00	N/A	-923.70	-4779.27	N/A	N/A

**WELLPATH COMPOSITION - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7220>	SWANSON #29-14 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP**

MD Reference: Rig on SLOT#09 EX SWANSON #29-14 (2165'FNL & 859'FEL, SEC.29, PR, 7220') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 283 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: MILLS-FELT #1-22 AWB Offset Wellpath: MILLS-FELT #1-22 AWP

Facility: SEC.22-T06N-R66W Slot: SLOT#01 EX:MILLS-FELT #1-22 (660'FSL & 660'FWL SEC.22, PR, 7706'MD) Well: MILLS-FELT #1-22 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	4.02	25.02	1434.70	-1025.31	-35.55	1763.41	50.13	35.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: MILLS-FELT #1-22 AWB Offset Wellpath: MILLS-FELT #1-22 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: MILLS-FELT #1-22 AWB Offset Wellpath: MILLS-FELT #1-22 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	516.00	516.00	-4.00	512.00	874.61	-625.01	874.50	-625.14
8.625in Casing Surface	0.00	516.00	516.00	-4.00	512.00	874.61	-625.01	874.50	-625.14
7.875in Open Hole	516.00	7705.00	7189.00	512.00	7699.83	874.50	-625.14	866.98	-650.58
4.5in Casing Production	0.00	7705.00	7705.00	-4.00	7699.83	874.61	-625.01	866.98	-650.58

## WELLPATH COMPOSITION - Offset Wellbore: MILLS-FELT #1-22 AWB Offset Wellpath: MILLS-FELT #1-22 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY, ADJ FROM GRID TO TRUE <100-7100>	MILLS-FELT #1-22 AWB
7100.00	7706.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7706' FROM CO WEBSITE>	MILLS-FELT #1-22 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 284 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: MILLS-FELT #1-22 AWB Offset Wellpath: MILLS-FELT #1-22 AWP

MD Reference: Rig on SLOT#01 EX:MILLS-FELT #1-22 (660'FSL & 660'FWL SEC.22, PR, 7706'MD) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 285 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#26 TROUDT 28C-29-L ( 2082'FNL &amp; 1689'FWL, SEC.27) Well: TROUDT 28C-29-L Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1321.37	2.50	179.89	1321.38	1.26	4401.38	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1721.00	-805.51	1.53	-719.09	9.34
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1721.00	-805.51	1.53	-719.09	9.34
8.5in Open Hole	1750.00	16743.37	14993.37	1721.00	7091.00	-719.09	9.34	-303.70	-2890.36

**SURVEY PROGRAM - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 28C-29-L PWB
1750.00	16743.37	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 28C-29-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 286 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#02 EX SWANSON #34-20 (660'FSL & 1980'FEL, SEC.20, PR, 7591') Well: SWANSON #34-20 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	12.00	25.00	1302.23	-8951.57	-81.72	9045.79	50.19	183.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	1504.00	1504.00	-12.00	1492.00	794.83	-5456.73	794.83	-5456.73
8.625in Casing Surface	0.00	1504.00	1504.00	-12.00	1492.00	794.83	-5456.73	794.83	-5456.73
7.875in Open Hole	1504.00	7560.00	6056.00	1492.00	7548.00	794.83	-5456.73	794.83	-5456.73
5.5in Casing Production	0.00	7560.00	7560.00	-12.00	7548.00	794.83	-5456.73	794.83	-5456.73

## WELLPATH COMPOSITION - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7591.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE <7591>	SWANSON #34-20 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

MD Reference: Rig on SLOT#02 EX SWANSON #34-20 (660'FSL & 1980'FEL, SEC.20, PR, 7591') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 287 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760°FNL & 1684°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. FEIT BROTHERS 2-27 AWB Offset Wellpath: EX. FEIT BROTHERS 2-27 AWP**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#02 EX. FEIT BROTHERS 2-27 (1980°FNL &amp; 1980°FEL, AB/NB-CD) Well: EX. FEIT BROTHERS 2-27 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-10.00	25.00	-1268.08	1726.36	126.30	2142.04	25.57	87.03	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. FEIT BROTHERS 2-27 AWB Offset Wellpath: EX. FEIT BROTHERS 2-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. FEIT BROTHERS 2-27 AWB Offset Wellpath: EX. FEIT BROTHERS 2-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6900.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100-6900>	EX. FEIT BROTHERS 2-27 AWB
6900.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250>	EX. FEIT BROTHERS 2-27 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEIT BROTHERS 2-27 AWB Offset Wellpath: EX. FEIT BROTHERS 2-27 AWP**

MD Reference: Rig on SLOT#02 EX. FEIT BROTHERS 2-27 (1980°FNL & 1980°FEL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 288 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') Well: GOETZEL #29-10G6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	5.00	25.00	-2882.36	-8790.29	-108.15	9250.79	50.09	187.89	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.875in Open Hole	0.00	442.00	442.00	-5.00	437.00	-1756.13	-5358.87	-1756.13	-5358.87
7in Casing Surface	0.00	442.00	442.00	-5.00	437.00	-1756.13	-5358.87	-1756.13	-5358.87
6.25in Open Hole	442.00	7173.00	6731.00	437.00	7168.00	-1756.13	-5358.87	-1756.13	-5358.87
2.875in Casing Production	0.00	7173.00	7173.00	-5.00	7168.00	-1756.13	-5358.87	-1756.13	-5358.87

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7220>	GOETZEL #29-10G6 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP**

MD Reference: Rig on SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 289 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. FEUERSTEIN I28-64-1HC AWB Offset Wellpath: EX. FEUERSTEIN I28-64-1HC AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#10 EX. FEUERSTEIN I28-64-1HC (1727'FSL & 290'FWL, PR/CODL) Well: EX. FEUERSTEIN I28-64-1HC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	6.00	25.00	-2862.98	-6693.10	-113.16	7279.72	50.17	147.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. FEUERSTEIN I28-64-1HC AWB Offset Wellpath: EX. FEUERSTEIN I28-64-1HC AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. FEUERSTEIN I28-64-1HC AWB Offset Wellpath: EX. FEUERSTEIN I28-64-1HC AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11196.00	ISWASA MWD, Rev. 4 (Standard)	HALLIBURTON MWD SURVEYS PROVIDED BY SRC <630'-11196>	EX. FEUERSTEIN I28-64-1HC AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN I28-64-1HC AWB Offset Wellpath: EX. FEUERSTEIN I28-64-1HC AWP**

MD Reference: Rig on SLOT#10 EX. FEUERSTEIN I28-64-1HC (1727'FSL & 290'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 290 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#27 TROUDT 2N-29C-L (2102'FNL & 1689'FWL, SEC.27) Well: TROUDT 2N-29C-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1341.41	2.50	179.89	1341.41	1.26	4468.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1724.70	-817.72	1.53	-731.92	10.32
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1724.70	-817.72	1.53	-731.92	10.32
8.5in Open Hole	1750.00	16573.07	14823.07	1724.70	6975.00	-731.92	10.32	-376.44	-2890.73

**SURVEY PROGRAM - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 2N-29C-L PWB
1750.00	16573.07	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 2N-29C-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 291 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#09 EX. FEUERSTEIN I28-63-1HN (1721'FSL & 311'FWL, PR/NBRR) Well: EX. FEUERSTEIN I28-63-1HN Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	5.00	25.00	-2872.09	-6668.89	-113.30	7261.07	50.17	147.55	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11288.00	ISCWSA MWD, Rev. 4 (Standard)	HALLIBURTON MWD SURVEYS PROVIDED BY SRC <625'11288>	EX. FEUERSTEIN I28-63-1HN AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP**

MD Reference: Rig on SLOT#09 EX. FEUERSTEIN I28-63-1HN (1721'FSL & 311'FWL, PR/NBRR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 292 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. GOETZEL 20-34 AWB Offset Wellpath: EX. GOETZEL 20-34 AWP**

<b>Facility: SEC.20-T06N-R66W Slot: SLOT#09 EX. GOETZEL 20-34 (845'FSL &amp; 2196'FWL, SI/CODL) Well: EX. GOETZEL 20-34 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	26.00	25.00	1458.61	-10104.26	-81.79	10208.99	50.22	207.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. GOETZEL 20-34 AWB Offset Wellpath: EX. GOETZEL 20-34 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. GOETZEL 20-34 AWB Offset Wellpath: EX. GOETZEL 20-34 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7270.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7270>	EX. GOETZEL 20-34 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. GOETZEL 20-34 AWB Offset Wellpath: EX. GOETZEL 20-34 AWP**

MD Reference: Rig on SLOT#09 EX. GOETZEL 20-34 (845'FSL & 2196'FWL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 293 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#05 ARNBRECHT #2-27 (1981'FSL & 1987'FEL SEC.27,7258'MD,PR) Well: ARNBRECHT #2-27 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-6.00	25.00	-2530.86	1489.10	149.53	2936.44	25.57	119.32	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	317.00	317.00	6.00	322.99	-1542.78	907.80	-1543.18	908.17
9.625in Casing Surface	0.00	317.00	317.00	6.00	322.99	-1542.78	907.80	-1543.18	908.17
7.875in Open Hole	317.00	7258.00	6941.00	322.99	7262.62	-1543.18	908.17	-1545.42	886.16
4.5in Casing Production	0.00	7258.00	7258.00	6.00	7262.62	-1542.78	907.80	-1545.42	886.16

## WELLPATH COMPOSITION - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE +.48) <100-7100>	ARNBRECHT #2-27 AWB
7100.00	7258.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7258' FROM CO WEBSITE>	ARNBRECHT #2-27 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 294 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP	
MD Reference: Rig on SLOT#05 ARNBRECHT #2-27 (1981'FSL & 1987'FEL SEC.27,7258'MD,PR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 295 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: HOOD 14N-22A-M OWB AWB Offset Wellpath: HOOD 14N-22A-M OWB AWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11923.00	6835.29	1622.06	-2229.48	-53.96	7347.22	100.92	73.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 14N-22A-M OWB AWB Offset Wellpath: HOOD 14N-22A-M OWB AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: HOOD 14N-22A-M OWB AWB Offset Wellpath: HOOD 14N-22A-M OWB AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1766.00	1741.00	10.00	1747.11	727.85	-4936.91	738.30	-4918.55
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.85	-4936.91	738.29	-4918.67
8.5in Open Hole	1766.00	11901.00	10135.00	1747.11	6835.87	738.30	-4918.55	857.72	-3154.59

**WELLPATH COMPOSITION - Offset Wellbore: HOOD 14N-22A-M OWB AWB Offset Wellpath: HOOD 14N-22A-M OWB AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1705.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<108-1705>	HOOD 14N-22A-M OWB AWB
1705.00	11901.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1792-11901>	HOOD 14N-22A-M OWB AWB
11901.00	11923.00	Blind Drilling (std)	Projection to bit	HOOD 14N-22A-M OWB AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 296 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 14N-22A-M OWB AWB Offset Wellpath: HOOD 14N-22A-M OWB AWP	
MD Reference: PRECISION 562 (25') (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 297 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 2N-29B-L PWB Offset Wellpath: TROUDT 2N-29B-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#28 TROUDT 2N-29B-L (2122'FNL & 1689'FWL, SEC.27) Well: TROUDT 2N-29B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1361.08	2.50	179.90	1361.09	1.26	4533.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 2N-29B-L PWB Offset Wellpath: TROUDT 2N-29B-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 2N-29B-L PWB Offset Wellpath: TROUDT 2N-29B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1731.14	-829.72	1.53	-754.39	10.41
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1731.14	-829.72	1.53	-754.39	10.41
8.5in Open Hole	1750.00	16463.67	14713.67	1731.14	6904.00	-754.39	10.41	-449.73	-2891.18

## SURVEY PROGRAM - Offset Wellbore: TROUDT 2N-29B-L PWB Offset Wellpath: TROUDT 2N-29B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 2N-29B-L PWB
1750.00	16463.67	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 2N-29B-L PWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 2N-29B-L PWB Offset Wellpath: TROUDT 2N-29B-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 298 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP**

Facility: SEC.21-T06N-R66W Slot: SLOT#02 EX:BILLINGS #44-21 (700'FSL & 460'FEL SEC.21, PR, 7253'MD) Well: BILLINGS #44-21 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	9.47	23.47	1461.37	-2141.61	-55.69	2592.70	50.13	52.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	353.00	353.00	-11.00	341.99	890.91	-1305.48	891.49	-1305.63
8.625in Casing Surface	0.00	353.00	353.00	-11.00	341.99	890.91	-1305.48	891.49	-1305.63
7.875in Open Hole	353.00	7249.00	6896.00	341.99	7237.43	891.49	-1305.63	890.40	-1325.18
3.5in Casing Production	0.00	7249.00	7249.00	-11.00	7237.43	890.91	-1305.48	890.40	-1325.18

**WELLPATH COMPOSITION - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6750.00	ISCWSA MWD, Rev. 4 (Standard)	MS SURVEYS FROM SYNERGY <100-6750>	BILLINGS #44-21 AWB
6750.00	7253.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7253' FROM CO WEBSITE>	BILLINGS #44-21 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 299 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP	
MD Reference: Rig on SLOT#02 EX:BILLINGS #44-21 (700'FSL & 460'FEL SEC.21, PR, 7253'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 300 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. GOETZEL 2-29 AWB Offset Wellpath: EX. GOETZEL 2-29 AWP**

<b>Facility: SEC.29-T06N-R66W Slot: SLOT#12 EX. GOETZEL 2-29 (1988'FSL &amp; 2185'FWL, SI/NB-CD) Well: EX. GOETZEL 2-29 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	10.00	25.00	-2706.23	-10109.05	-104.99	10465.02	50.19	212.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. GOETZEL 2-29 AWB Offset Wellpath: EX. GOETZEL 2-29 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. GOETZEL 2-29 AWB Offset Wellpath: EX. GOETZEL 2-29 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7292.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7292'>	EX. GOETZEL 2-29 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. GOETZEL 2-29 AWB Offset Wellpath: EX. GOETZEL 2-29 AWP**

MD Reference: Rig on SLOT#12 EX. GOETZEL 2-29 (1988'FSL & 2185'FWL, SI/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 301 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CLEARANCE DATA - Offset Wellbore: TROUDT 2C-29-L PWB Offset Wellpath: TROUDT 2C-29-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#29 TROUDT 2C-29-L (2142'FNL & 1689'FWL, SEC.27) Well: TROUDT 2C-29-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1381.12	2.50	179.90	1381.12	1.26	4600.54	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 2C-29-L PWB Offset Wellpath: TROUDT 2C-29-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 2C-29-L PWB Offset Wellpath: TROUDT 2C-29-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1737.14	-841.93	1.53	-774.81	10.71
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1737.14	-841.93	1.53	-774.81	10.71
8.5in Open Hole	1750.00	16599.95	14849.95	1737.14	N/A	-774.81	10.71	N/A	N/A

### SURVEY PROGRAM - Offset Wellbore: TROUDT 2C-29-L PWB Offset Wellpath: TROUDT 2C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 2C-29-L PWB
1750.00	16599.95	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 2C-29-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 2C-29-L PWB Offset Wellpath: TROUDT 2C-29-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 302 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#30 TROUDT 21N-29C-L (2162'FNL &amp; 1689'FWL, SEC.27) Well: TROUDT 21N-29C-L Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1401.16	2.50	179.90	1401.16	1.26	4667.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1742.48	-854.15	1.53	-799.72	10.51
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1742.48	-854.15	1.53	-799.72	10.51
8.5in Open Hole	1750.00	16464.83	14714.83	1742.48	N/A	-799.72	10.51	N/A	N/A

**SURVEY PROGRAM - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TOUDT 21N-29C-L PWB
1750.00	16464.83	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TOUDT 21N-29C-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 303 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BROWN, H.I. #2-27 AWB Offset Wellpath: BROWN, H.I. #2-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#03 BROWN, H.I. #2-27 (1993'FSL & 2163'FWL SEC.27,7300'MD,PR) Well: BROWN, H.I. #2-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-13.00	25.00	-2532.72	474.47	169.39	2576.78	25.57	104.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BROWN, H.I. #2-27 AWB Offset Wellpath: BROWN, H.I. #2-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BROWN, H.I. #2-27 AWB Offset Wellpath: BROWN, H.I. #2-27 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	419.00	419.00	13.00	432.00	-1543.94	289.25	-1543.75	289.45
9.625in Casing Surface	0.00	419.00	419.00	13.00	432.00	-1543.94	289.25	-1543.75	289.45
7.875in Open Hole	419.00	7388.00	6969.00	432.00	N/A	-1543.75	289.45	N/A	N/A
4.5in Casing Production	0.00	7388.00	7388.00	13.00	N/A	-1543.94	289.25	N/A	N/A

**WELLPATH COMPOSITION - Offset Wellbore: BROWN, H.I. #2-27 AWB Offset Wellpath: BROWN, H.I. #2-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7050.00	VESSI GyroFlex v4	VES GYRO SUVEYS FROM SRC (ADJ FROM GRID TO TRUE BY +.47)<100-7050>	BROWN, H.I. #2-27 AWB
7050.00	7300.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7300' FROM CO WEBSITE>	BROWN, H.I. #2-27 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 304 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: BROWN, H.I. #2-27 AWB Offset Wellpath: BROWN, H.I. #2-27 AWP

MD Reference: Rig on SLOT#03 BROWN, H.I. #2-27 (1993'FSL & 2163'FWL SEC.27,7300'MD,PR) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 305 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CLEARANCE DATA - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#31 TROUDT 21C-29-L (2182'FNL & 1689'FWL, SEC.27) Well: TROUDT 21C-29-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1421.20	2.50	179.90	1421.20	1.26	4734.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1746.54	-866.36	1.53	-819.74	11.01
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1746.54	-866.36	1.53	-819.74	11.01
8.5in Open Hole	1750.00	16506.48	14756.48	1746.54	7077.00	-819.74	11.01	-669.59	-2892.78

### SURVEY PROGRAM - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 21C-29-L PWB
1750.00	16506.48	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 21C-29-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 306 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: TROUDT 7C-29-L PWB Offset Wellpath: TROUDT 7C-29-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#33 TROUDT 7C-29-L (2222'FNL & 1689'FWL, SEC.27) Well: TROUDT 7C-29-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1461.27	2.50	179.90	1461.27	1.26	4867.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 7C-29-L PWB Offset Wellpath: TROUDT 7C-29-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 7C-29-L PWB Offset Wellpath: TROUDT 7C-29-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1752.83	-890.79	1.53	-868.30	11.46
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1752.83	-890.79	1.53	-868.30	11.46
8.5in Open Hole	1750.00	16511.26	14761.26	1752.83	7075.00	-868.30	11.46	-815.72	-2893.17

## SURVEY PROGRAM - Offset Wellbore: TROUDT 7C-29-L PWB Offset Wellpath: TROUDT 7C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 7C-29-L PWB
1750.00	16511.26	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 7C-29-L PWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 7C-29-L PWB Offset Wellpath: TROUDT 7C-29-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 307 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 21N-29A-L PWB Offset Wellpath: TROUDT 21N-29A-L PWP (REV-A.0)**

Facility: SEC.27-T06N-R66W Slot: SLOT#32 TROUDT 21N-29A-L (2202'FNL & 1689'FWL, SEC.27) Well: TROUDT 21N-29A-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1441.23	2.50	179.90	1441.24	1.26	4800.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 21N-29A-L PWB Offset Wellpath: TROUDT 21N-29A-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 21N-29A-L PWB Offset Wellpath: TROUDT 21N-29A-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1750.00	-878.58	1.53	-844.30	11.14
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1750.00	-878.58	1.53	-844.30	11.14
8.5in Open Hole	1750.00	16224.50	14474.50	1750.00	6803.00	-844.30	11.14	-742.66	-2892.81

**SURVEY PROGRAM - Offset Wellbore: TROUDT 21N-29A-L PWB Offset Wellpath: TROUDT 21N-29A-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 21N-29A-L PWB
1750.00	16224.50	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 21N-29A-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 21N-29A-L PWB Offset Wellpath: TROUDT 21N-29A-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 308 of 356



### REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

### CLEARANCE DATA - Offset Wellbore: TROUDT 7N-29B-L PWB Offset Wellpath: TROUDT 7N-29B-L PWP (REV-A.0)

Facility: SEC.27-T06N-R66W Slot: SLOT#34 TROUDT 7N-29B-L (2242'FNL & 1689'FWL, SEC.27) Well: TROUDT 7N-29B-L Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1481.31	2.50	179.90	1481.31	1.26	4934.49	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

### POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 7N-29B-L PWB Offset Wellpath: TROUDT 7N-29B-L PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

### HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 7N-29B-L PWB Offset Wellpath: TROUDT 7N-29B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1754.30	-903.01	1.53	-893.52	11.24
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.30	-903.01	1.53	-893.52	11.24
8.5in Open Hole	1750.00	16323.45	14573.45	1754.30	N/A	-893.52	11.24	N/A	N/A

### SURVEY PROGRAM - Offset Wellbore: TROUDT 7N-29B-L PWB Offset Wellpath: TROUDT 7N-29B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 7N-29B-L PWB
1750.00	16323.45	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 7N-29B-L PWB

### OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 7N-29B-L PWB Offset Wellpath: TROUDT 7N-29B-L PWP (REV-A.0)

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 309 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#35 TROUDT 25C-29-L (2262'FNL &amp; 1689'FWL, SEC.27) Well: TROUDT 25C-29-L Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1501.35	2.50	179.90	1501.35	1.26	5001.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1754.61	-915.22	1.53	-918.46	11.53
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.61	-915.22	1.53	-918.46	11.53
8.5in Open Hole	1750.00	16503.40	14753.40	1754.61	7074.00	-918.46	11.53	-975.96	-2894.08

**SURVEY PROGRAM - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 25C-29-L PWB
1750.00	16503.40	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 25C-29-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 310 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: TROUDT 25N-29C-L PWB Offset Wellpath: TROUDT 25N-29C-L PWP (REV-A.0)**

<b>Facility: SEC.27-T06N-R66W Slot: SLOT#36 TROUDT 25N-29C-L (2282'FNL &amp; 1689'FWL, SEC.27) Well: TROUDT 25N-29C-L Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	20.00	25.00	-1521.02	2.50	179.91	1521.02	1.26	5066.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 25N-29C-L PWB Offset Wellpath: TROUDT 25N-29C-L PWP (REV-A.0)**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 25N-29C-L PWB Offset Wellpath: TROUDT 25N-29C-L PWP (REV-A.0)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	30.00	1753.91	-927.21	1.53	-941.18	11.01
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1753.91	-927.21	1.53	-941.18	11.01
8.5in Open Hole	1750.00	16399.36	14649.36	1753.91	N/A	-941.18	11.01	N/A	N/A

**SURVEY PROGRAM - Offset Wellbore: TROUDT 25N-29C-L PWB Offset Wellpath: TROUDT 25N-29C-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 25N-29C-L PWB
1750.00	16399.36	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 25N-29C-L PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 25N-29C-L PWB Offset Wellpath: TROUDT 25N-29C-L PWP (REV-A.0)**

MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 311 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

Facility: SEC.21-T06N-R66W Slot: SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775'MD) Well: BOYD #1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	10.00	25.00	1334.57	-6321.07	-78.08	6460.42	50.38	130.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing	0.00	219.00	219.00	-10.00	209.00	814.05	-3853.22	814.05	-3853.22

## WELLPATH COMPOSITION - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	4775.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <4775' FROM CO WEBSITE>	BOYD #1 AWB

## OFFSET WELLPATH REFERENCE - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

MD Reference: Rig on SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 312 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP**

Facility: SEC.27-T06N-R66W Slot: SLOT#02 BUXMAN, H #2-27 (1981'FSL & 662'FWL SEC.27,7280'MD,PA) Well: BUXMAN, H #2-27 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-13.00	25.00	-2531.61	-1023.53	-157.99	2730.69	25.57	110.96	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	327.00	327.00	13.00	340.00	-1543.26	-623.98	-1542.92	-623.89
9.625in Casing Surface	0.00	327.00	327.00	13.00	340.00	-1543.26	-623.98	-1542.92	-623.89
7.875in Open Hole	327.00	7280.00	6953.00	340.00	7292.30	-1542.92	-623.89	-1530.49	-634.83
4.5in Casing Production	0.00	7280.00	7280.00	13.00	7292.30	-1543.26	-623.98	-1530.49	-634.83

**WELLPATH COMPOSITION - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE, +.47)<100-7000>	BUXMAN, H #2-27 AWB
7000.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7280' FROM CO WEBSITE)	BUXMAN, H #2-27 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 313 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP</b>	
--	--

MD Reference: Rig on SLOT#02 BUXMAN, H #2-27 (1981'FSL & 662'FWL SEC.27,7280'MD,PA) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 314 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP**

Facility: SEC.21-T06N-R66W Slot: SLOT#03 EX:KOHLER J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318'MD) Well: KOHLER J #1-21 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11.12	24.12	1199.24	-3666.40	-71.89	3857.54	50.17	78.38	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	402.00	402.00	-12.00	390.00	731.22	-2234.98	731.15	-2235.28
9.625in Casing Surface	0.00	402.00	402.00	-12.00	390.00	731.22	-2234.98	731.15	-2235.28
7.875in Open Hole	402.00	7275.00	6873.00	390.00	7261.95	731.15	-2235.28	714.74	-2251.40
4.5in Casing Production	0.00	7275.00	7275.00	-12.00	7261.95	731.22	-2234.98	714.74	-2251.40

**WELLPATH COMPOSITION - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY, GRID TO TRUE CONVERSION <100-7100>	KOHLER J #1-21 AWB
7100.00	7318.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7318' FROM CO WEBSITE>	KOHLER J #1-21 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 315 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP

MD Reference: Rig on SLOT#03 EX:KOHLER J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 316 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. BUXMAN 28-12 AWB Offset Wellpath: EX. BUXMAN 28-12 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#07 EX. BUXMAN 28-12 (650'FNL & 1947'FEL, AB/NB-CD) Well: EX. BUXMAN 28-12 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	15.72	22.72	86.96	-3632.62	-88.63	3633.66	50.17	73.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BUXMAN 28-12 AWB Offset Wellpath: EX. BUXMAN 28-12 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. BUXMAN 28-12 AWB Offset Wellpath: EX. BUXMAN 28-12 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES GYRO SURVEYS PROVIDED BY SRC <100'-7000'>	EX. BUXMAN 28-12 AWB
7000.00	7276.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7100'-7276'>	EX. BUXMAN 28-12 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BUXMAN 28-12 AWB Offset Wellpath: EX. BUXMAN 28-12 AWP**

MD Reference: Rig on SLOT#07 EX. BUXMAN 28-12 (650'FNL & 1947'FEL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 317 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP**

<b>Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX:DOERING, G W #2-28 (2240'FSL&amp;415'FEL SEC.28,7280'MD,PR) Well: DOERING, G W #2-28 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-25.00	4719.00	-2263.04	-2107.98	-137.03	5621.26	16.65	358.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.25in Open Hole	0.00	405.00	405.00	4719.00	5123.99	-1379.49	-1285.08	-1379.43	-1284.50
9.625in Casing Surface	0.00	405.00	405.00	4719.00	5123.99	-1379.49	-1285.08	-1379.43	-1284.50
7.875in Open Hole	405.00	7264.00	6859.00	5123.99	11982.14	-1379.43	-1284.50	-1375.30	-1289.80
4.5in Casing Production	0.00	7264.00	7264.00	4719.00	11982.14	-1379.49	-1285.08	-1375.30	-1289.80

**WELLPATH COMPOSITION - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	VESSI GyroFlex v4	VES GYRO SURVYES FROM SRC (ADJ FROM GRID TO TRUE, +.48)<100-7100>	DOERING, G W #2-28 AWB
7100.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7280' FROM CO WEBSITE)	DOERING, G W #2-28 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 318 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP	
MD Reference: Rig on SLOT#01 EX:DOERING, G W #2-28 (2240'FSL&415'FEL SEC.28,7280'MD,PR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 319 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: WARD #W-20-19HC PWB Offset Wellpath: WARD #W-20-19HC PWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#13 WARD #W-20-19HC Well: WARD #W-20-19HC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	31.00	25.00	932.97	-7190.16	-82.61	7250.44	25.85	290.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: WARD #W-20-19HC PWB Offset Wellpath: WARD #W-20-19HC PWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: WARD #W-20-19HC PWB Offset Wellpath: WARD #W-20-19HC PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing	23.00	7592.00	7569.00	15.00	7117.01	569.38	-4383.04	583.97	-4461.25

**WELLPATH COMPOSITION - Offset Wellbore: WARD #W-20-19HC PWB Offset Wellpath: WARD #W-20-19HC PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	17823.00	ISCSWA MWD, Rev. 4 (Standard)	NOT ACTUAL SURVEYS (PLANNED WELLBORE FOR CLEARANCE WITH SYNERGY HOOD PAD)	WARD #W-20-19HC PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: WARD #W-20-19HC PWB Offset Wellpath: WARD #W-20-19HC PWP**

MD Reference: 23' FROM ENSIGN PLANS (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	23.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 320 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP**

Facility: SEC.20-T06N-R66W Slot: SLOT#14 WARD #X-20-19HN Well: WARD #X-20-19HN Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	31.00	25.00	917.99	-7190.17	-82.72	7248.53	25.97	288.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing	0.00	7426.00	7426.00	-8.00	6957.01	560.25	-4383.04	529.08	-4461.44

**WELLPATH COMPOSITION - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	17656.70	ISCWSA MWD, Rev. 4 (Standard)	NOT ACTUAL SURVEYS (PLANNED WELLBORE FOR CLEARANCE WITH SYNERGY HOOD PAD)	WARD #X-20-19HN PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP**

MD Reference: 23' FROM ENSIGN PLANS (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	23.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 321 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. FEUERSTEIN I29-63HN AWB Offset Wellpath: EX. FEUERSTEIN I29-63HN AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#11 EX. FEUERSTEIN I29-63HN (1733'FSL & 268'FWL, PR/NBRR) Well: EX. FEUERSTEIN I29-63HN Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	6.00	25.00	-2860.79	-6720.10	-113.06	7303.68	50.17	148.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. FEUERSTEIN I29-63HN AWB Offset Wellpath: EX. FEUERSTEIN I29-63HN AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. FEUERSTEIN I29-63HN AWB Offset Wellpath: EX. FEUERSTEIN I29-63HN AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11544.00	ISWASA MWD, Rev. 4 (Standard)	HALLIBURTON MWD SURVEYS PROVIDED BY SRC <624-11544>	EX. FEUERSTEIN I29-63HN AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN I29-63HN AWB Offset Wellpath: EX. FEUERSTEIN I29-63HN AWP**

MD Reference: Rig on SLOT#11 EX. FEUERSTEIN I29-63HN (1733'FSL & 268'FWL, PR/NBRR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 322 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 30C-30-M AWB Offset Wellpath: GOETZEL 30C-30-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#02 GOETZEL 30C-30-M (1833'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30C-30-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	126.55	122.54	-1204.28	-9423.69	-97.28	9500.83	50.17	193.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 30C-30-M AWB Offset Wellpath: GOETZEL 30C-30-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 30C-30-M AWB Offset Wellpath: GOETZEL 30C-30-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1771.00	1751.00	11.00	1740.09	-732.68	-5745.28	-668.86	-5726.90
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1732.32	-732.68	-5745.28	-669.42	-5727.07
8.5in Open Hole	1771.00	15711.00	13940.00	1740.09	7074.25	-668.86	-5726.90	-355.94	-8279.82

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 30C-30-M AWB Offset Wellpath: GOETZEL 30C-30-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 30C-30-M AWB
1711.00	15688.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1861-15688>	GOETZEL 30C-30-M AWB
15688.00	15711.00	Blind Drilling (std)	Projection to bit	GOETZEL 30C-30-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 323 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30C-30-M AWB    Offset Wellpath: GOETZEL 30C-30-M AWP</b>	
---	--

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 324 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	175.97	171.94	-1182.03	-9422.22	-97.15	9497.21	50.17	192.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1710.00	1690.00	11.00	1675.16	-720.46	-5745.27	-651.19	-5729.06
9.625in Casing Surface	20.00	1759.00	1739.00	11.00	1722.54	-720.46	-5745.27	-647.45	-5728.35
8.5in Open Hole	1710.00	15570.00	13860.00	1675.16	6888.91	-651.19	-5729.06	-280.90	-8279.86

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1710.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" MWD (STD ROTATING, AXIAL, ROCKIES GT)<71-1710>	GOETZEL 30N-30B-M AWB
1710.00	15545.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1779-15545>	GOETZEL 30N-30B-M AWB
15545.00	15570.00	Blind Drilling (std)	Projection to bit	GOETZEL 30N-30B-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 325 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP</b>	
--	--

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 326 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: GOETZEL 31C-30-M AWB Offset Wellpath: GOETZEL 31C-30-M AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31C-30-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	161.17	157.16	-1364.01	-9423.84	-98.24	9522.96	50.18	193.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31C-30-M AWB Offset Wellpath: GOETZEL 31C-30-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 31C-30-M AWB Offset Wellpath: GOETZEL 31C-30-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1762.00	1742.00	11.00	1748.99	-830.21	-5745.99	-808.80	-5734.63
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1748.99	-830.21	-5745.99	-808.80	-5734.63
8.5in Open Hole	1762.00	15808.00	14046.00	1748.99	7073.86	-808.80	-5734.63	-749.42	-8356.38

## WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 31C-30-M AWB Offset Wellpath: GOETZEL 31C-30-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 31C-30-M AWB
1711.00	15784.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1770-15784>	GOETZEL 31C-30-M AWB
15784.00	15808.00	Blind Drilling (std)	Projection to bit	GOETZEL 31C-30-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 327 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31C-30-M AWB Offset Wellpath: GOETZEL 31C-30-M AWP

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 328 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 4N-30C-M AWB Offset Wellpath: GOETZEL 4N-30C-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#03 GOETZEL 4N-30C-M (1853'FNL & 2445'FEL, SEC.29) Well: GOETZEL 4N-30C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	120.43	116.43	-1224.05	-9424.05	-97.40	9503.65	50.17	193.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4N-30C-M AWB Offset Wellpath: GOETZEL 4N-30C-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 4N-30C-M AWB Offset Wellpath: GOETZEL 4N-30C-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1755.00	1735.00	11.00	1725.32	-744.89	-5745.42	-685.94	-5729.32
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1733.13	-744.89	-5745.42	-685.44	-5729.15
8.5in Open Hole	1755.00	15820.00	14065.00	1725.32	6991.10	-685.94	-5729.32	-420.01	-8356.08

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 4N-30C-M AWB Offset Wellpath: GOETZEL 4N-30C-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1710.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1710>	GOETZEL 4N-30C-M AWB
1710.00	15797.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI AUTOTRAK 8.5" (IFR, SHORT, ROCKIES GT)<1865-15797>	GOETZEL 4N-30C-M AWB
15797.00	15820.00	Blind Drilling (std)	Projection to bit	GOETZEL 4N-30C-M AWB



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 329 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4N-30C-M AWB    Offset Wellpath: GOETZEL 4N-30C-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 330 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 4C-30-M AWB Offset Wellpath: GOETZEL 4C-30-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#05 GOETZEL 4C-30-M (1893'FNL & 2446'FEL, SEC.29) Well: GOETZEL 4C-30-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	147.32	143.31	-1264.45	-9423.83	-97.64	9509.01	50.17	193.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4C-30-M AWB Offset Wellpath: GOETZEL 4C-30-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 4C-30-M AWB Offset Wellpath: GOETZEL 4C-30-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1764.00	1744.00	11.00	1745.31	-769.32	-5745.63	-732.32	-5731.40
9.625in Casing Surface	20.00	1764.00	1744.00	11.00	1745.31	-769.32	-5745.63	-732.32	-5731.40
8.5in Open Hole	1764.00	15868.00	14104.00	1745.31	7070.17	-732.32	-5731.40	-584.86	-8356.21

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 4C-30-M AWB Offset Wellpath: GOETZEL 4C-30-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1710.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1710>	GOETZEL 4C-30-M AWB
1710.00	15843.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1768-15843>	GOETZEL 4C-30-M AWB
15843.00	15868.00	Blind Drilling (std)	Projection to bit	GOETZEL 4C-30-M AWB



**Clearance Report**  
**TROUDT 41C-23-M PWP (REV-A.0)**  
**Closest Approach**  
 Page 331 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4C-30-M AWB Offset Wellpath: GOETZEL 4C-30-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 332 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 4N-30A-M AWB Offset Wellpath: GOETZEL 4N-30A-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#04 GOETZEL 4N-30A-M (1873'FNL & 2446'FEL, SEC.29) Well: GOETZEL 4N-30A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	46.68	42.68	-1243.77	-9424.66	-97.52	9506.39	50.17	193.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4N-30A-M AWB Offset Wellpath: GOETZEL 4N-30A-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 4N-30A-M AWB Offset Wellpath: GOETZEL 4N-30A-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1755.00	1735.00	11.00	1732.42	-757.11	-5745.43	-709.43	-5731.07
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1739.29	-757.11	-5745.43	-709.05	-5730.92
8.5in Open Hole	1755.00	15705.00	13950.00	1732.42	6769.16	-709.43	-5731.07	-509.42	-8356.35

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 4N-30A-M AWB Offset Wellpath: GOETZEL 4N-30A-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1710.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1710>	GOETZEL 4N-30A-M AWB
1710.00	15680.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1865-15680>	GOETZEL 4N-30A-M AWB
15680.00	15705.00	Blind Drilling (std)	Projection to bit	GOETZEL 4N-30A-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 333 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4N-30A-M AWB    Offset Wellpath: GOETZEL 4N-30A-M AWP

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 334 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EX. FEUERSTEIN 1 AWB Offset Wellpath: EX. FEUERSTEIN 1 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#25 EX. FEUERSTEIN 1 (1980'FSL & 600'FEL, PR/NB-CD) Well: EX. FEUERSTEIN 1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	6.82	26.82	-2637.21	-7581.88	-109.18	8027.44	50.17	163.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EX. FEUERSTEIN 1 AWB Offset Wellpath: EX. FEUERSTEIN 1 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**WELLPATH COMPOSITION - Offset Wellbore: EX. FEUERSTEIN 1 AWB Offset Wellpath: EX. FEUERSTEIN 1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES SURVEY INTERNATIONAL GYRO PRODIVED BY SRC <100'-7000'>	EX. FEUERSTEIN 1 AWB
7000.00	7192.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7192'>	EX. FEUERSTEIN 1 AWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN 1 AWB Offset Wellpath: EX. FEUERSTEIN 1 AWP**

MD Reference: Rig on SLOT#25 FEUERSTEIN 1 (1980'FSL & 600'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 335 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30B-M AWP Offset Wellpath: GOETZEL 31N-30B-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#06 GOETZEL 31N-30B-M (1913'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	168.92	164.91	-1282.01	-9423.65	-97.75	9511.48	50.17	193.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30B-M AWP Offset Wellpath: GOETZEL 31N-30B-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 31N-30B-M AWP Offset Wellpath: GOETZEL 31N-30B-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1720.00	1700.00	11.00	1705.03	-781.35	-5745.63	-755.84	-5734.47
9.625in Casing Surface	20.00	1720.00	1700.00	11.00	1705.03	-781.35	-5745.63	-755.84	-5734.47
8.5in Open Hole	1720.00	15601.00	13881.00	1705.03	6908.00	-755.84	-5734.47	-652.14	-8356.03

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 31N-30B-M AWP Offset Wellpath: GOETZEL 31N-30B-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1712.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1712>	GOETZEL 31N-30B-M AWP
1712.00	15578.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1866-15578>	GOETZEL 31N-30B-M AWP
15578.00	15601.00	Blind Drilling (std)	Projection to bit	GOETZEL 31N-30B-M AWP



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 336 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30B-M AWB Offset Wellpath: GOETZEL 31N-30B-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 337 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 5C-30-M AWB Offset Wellpath: GOETZEL 5C-30-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#09 GOETZEL 5C-30-M (2033'FNL & 2446'FEL, SEC.29) Well: GOETZEL 5C-30-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.11	21.11	-1403.77	-9425.91	-98.47	9529.86	50.17	193.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 5C-30-M AWB Offset Wellpath: GOETZEL 5C-30-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 5C-30-M AWB Offset Wellpath: GOETZEL 5C-30-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1762.00	1742.00	11.00	1751.53	-854.64	-5746.19	-849.05	-5737.52
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1751.53	-854.64	-5746.19	-849.05	-5737.52
8.5in Open Hole	1762.00	15750.00	13988.00	1751.53	7072.48	-849.05	-5737.52	-888.37	-8355.73

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 5C-30-M AWB Offset Wellpath: GOETZEL 5C-30-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 5C-30-M AWB
1711.00	15750.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1865-15750>	GOETZEL 5C-30-M AWB
15750.00	15775.00	Blind Drilling (std)	Projection to bit	GOETZEL 5C-30-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 338 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5C-30-M AWB    Offset Wellpath: GOETZEL 5C-30-M AWP</b>	
---	--

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 339 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP**

<b>Facility: SEC.29-T06N-R66W Slot: SLOT#13 GOETZEL 32C-30-M2 (2317'FSL &amp; 2053'FWL SEC.29 Well: GOETZEL 32C-30-M2 Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	38.00	25.00	-2365.95	-10246.05	-103.00	10515.66	50.33	213.69	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1700.00	1675.00	12.00	1687.00	-1440.98	-6246.29	-1440.98	-6246.29
8.5in Open Hole	1700.00	16005.00	14305.00	1687.00	7128.00	-1440.98	-6246.29	-1477.84	-8605.90

**SURVEY PROGRAM - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		GOETZEL 32C-30-M2 PWB
1700.00	16005.21	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		GOETZEL 32C-30-M2 PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP**

MD Reference: PRECISION 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 340 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M AWB Offset Wellpath: GOETZEL 32C-30-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL 32C-30-M (2073'FNL & 2446'FEL, SEC.29) Well: GOETZEL 32C-30-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	185.42	181.39	-1442.12	-9423.62	-98.70	9534.61	50.19	193.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32C-30-M AWB Offset Wellpath: GOETZEL 32C-30-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 32C-30-M AWB Offset Wellpath: GOETZEL 32C-30-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1760.00	1740.00	11.00	1749.31	-879.07	-5746.21	-883.76	-5732.78
9.625in Casing Surface	20.00	1760.00	1740.00	11.00	1749.31	-879.07	-5746.21	-883.76	-5732.78
8.5in Open Hole	1760.00	15789.00	14029.00	1749.31	7073.95	-883.76	-5732.78	-1047.68	-8370.28

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 32C-30-M AWB Offset Wellpath: GOETZEL 32C-30-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 32C-30-M AWB
1711.00	15766.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1865-15766>	GOETZEL 32C-30-M AWB
15766.00	15789.00	Blind Drilling (std)	Projection to bit	GOETZEL 32C-30-M AWB



**Clearance Report**  
TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 341 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32C-30-M AWB Offset Wellpath: GOETZEL 32C-30-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 342 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP**

<b>Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL &amp; 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	38.00	25.00	-2385.98	-10246.36	-103.11	10520.50	50.33	213.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1700.00	1675.00	12.00	1687.00	-1453.20	-6246.48	-1453.20	-6246.48
8.5in Open Hole	1700.00	15834.00	14134.00	1687.00	6948.00	-1453.20	-6246.48	-1556.23	-8605.72

**SURVEY PROGRAM - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		GOETZEL 32N-30B-M PWB
1700.00	15834.81	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		GOETZEL 32N-30B-M PWB

**OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP**

MD Reference: H&P 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 343 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP**

<b>Facility: SEC.29-T06N-R66W Slot: SLOT#10 GOETZEL 5N-30B-M (2053'FNL &amp; 2446'FEL, SEC.29) Well: GOETZEL 5N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station</b>												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	185.97	181.95	-1423.58	-9423.45	-98.59	9531.66	50.19	193.62	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1761.00	1741.00	11.00	1750.92	-866.86	-5746.20	-868.64	-5734.71
9.625in Casing Surface	20.00	1761.00	1741.00	11.00	1750.92	-866.86	-5746.20	-868.64	-5734.71
8.5in Open Hole	1761.00	15647.00	13886.00	1750.92	6888.92	-868.64	-5734.71	-937.29	-8367.70

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 5N-30B-M AWB
1711.00	15615.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR,SHORT,ROCKIES GT)<1771-15615>	GOETZEL 5N-30B-M AWB
15615.00	15647.00	Blind Drilling (std)	Projection to bit	GOETZEL 5N-30B-M AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 344 of 356



<b>REFERENCE WELLPATH IDENTIFICATION</b>			
--	--	--	--

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

<b>OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5N-30B-M AWB    Offset Wellpath: GOETZEL 5N-30B-M AWP</b>	
---	--

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>20.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 345 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30C-M AWP Offset Wellpath: GOETZEL 31N-30C-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	155.88	151.86	-1383.96	-9423.73	-98.36	9525.66	50.18	193.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30C-M AWP Offset Wellpath: GOETZEL 31N-30C-M AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 31N-30C-M AWP Offset Wellpath: GOETZEL 31N-30C-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1762.00	1742.00	11.00	1749.71	-842.43	-5746.00	-826.61	-5733.52
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1749.71	-842.43	-5746.00	-826.61	-5733.52
8.5in Open Hole	1762.00	15700.00	13938.00	1749.71	6994.50	-826.61	-5733.52	-815.89	-8374.34

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 31N-30C-M AWP Offset Wellpath: GOETZEL 31N-30C-M AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1711.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1711>	GOETZEL 31N-30C-M AWP
1711.00	15677.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1862-15677>	GOETZEL 31N-30C-M AWP
15677.00	15700.00	Blind Drilling (std)	Projection to bit	GOETZEL 31N-30C-M AWP



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 346 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30C-M AWB Offset Wellpath: GOETZEL 31N-30C-M AWP

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 347 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#07 EX GOETZEL I #29-2 (472'FNL & 1994'FEL, SEC.29, PR, 7295') Well: GOETZEL I #29-2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	44.98	57.98	163.35	-8970.28	-88.96	8971.83	50.13	182.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	645.00	645.00	-12.00	632.90	100.62	-5468.31	97.66	-5467.07
8.625in Casing Surface	0.00	645.00	645.00	-12.00	632.90	100.62	-5468.31	97.66	-5467.07
7.875in Open Hole	645.00	7276.00	6631.00	632.90	7262.09	97.66	-5467.07	92.39	-5488.33
4.5in Casing Production	0.00	7276.00	7276.00	-12.00	7262.09	100.62	-5468.31	92.39	-5488.33

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY <100-7000>	GOETZEL I #29-2 AWB
7000.00	7295.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7295>	GOETZEL I #29-2 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 348 of 356



REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP	
MD Reference: Rig on SLOT#07 EX GOETZEL I #29-2 (472'FNL & 1994'FEL, SEC.29, PR, 7295') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 349 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30C-M AWP Offset Wellpath: GOETZEL 32N-30C-M AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29) Well: GOETZEL 32N-30C-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	142.72	138.71	-1463.82	-9425.23	-98.83	9538.91	50.17	193.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32N-30C-M AWP Offset Wellpath: GOETZEL 32N-30C-M AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL 32N-30C-M AWP Offset Wellpath: GOETZEL 32N-30C-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1785.00	1765.00	11.00	1773.12	-891.29	-5746.36	-907.55	-5732.88
9.625in Casing Surface	20.00	1785.00	1765.00	11.00	1773.12	-891.29	-5746.36	-907.55	-5732.88
8.5in Open Hole	1785.00	15686.00	13901.00	1773.12	6962.55	-907.55	-5732.88	-1109.65	-8373.36

## WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 32N-30C-M AWP Offset Wellpath: GOETZEL 32N-30C-M AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1729.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<105-1729>	GOETZEL 32N-30C-M AWP
1729.00	15663.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1803-15663>	GOETZEL 32N-30C-M AWP
15663.00	15686.00	Blind Drilling (std)	Projection to bit	GOETZEL 32N-30C-M AWP



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 350 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32N-30C-M AWB Offset Wellpath: GOETZEL 32N-30C-M AWP

MD Reference: PRECISION 462 (20'KB) (RKB)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	20.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 351 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) Well: GOETZEL #1-29 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	7.78	24.78	-1359.42	-8978.13	-98.61	9080.47	50.13	184.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	432.00	432.00	-8.00	423.99	-827.70	-5473.22	-828.19	-5473.52
8.625in Casing Surface	0.00	432.00	432.00	-8.00	423.99	-827.70	-5473.22	-828.19	-5473.52
7.875in Open Hole	432.00	7185.00	6753.00	423.99	7176.40	-828.19	-5473.52	-836.58	-5490.32
4.5in Casing Production	0.00	7185.00	7185.00	-8.00	7176.40	-827.70	-5473.22	-836.58	-5490.32

**WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY <100-7000>	GOETZEL #1-29 AWB
7000.00	7208.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7208>	GOETZEL #1-29 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 352 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

MD Reference: Rig on SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 353 of 356


**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

**CLEARANCE DATA - Offset Wellbore: EMERSON FARMS #21-29 AWB Offset Wellpath: EMERSON FARMS #21-29 AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#02 EX EMERSON FARMS #21-29 (660'FNL & 1980'FWL, SEC.29, PR, 7682) Well: EMERSON FARMS #21-29 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	8.66	22.66	-48.13	-10284.63	-90.27	10284.74	50.13	209.00	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

**POSITIONAL UNCERTAINTY - Offset Wellbore: EMERSON FARMS #21-29 AWB Offset Wellpath: EMERSON FARMS #21-29 AWP**

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

**HOLE & CASING SECTIONS - Offset Wellbore: EMERSON FARMS #21-29 AWB Offset Wellpath: EMERSON FARMS #21-29 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	229.00	229.00	-11.00	218.00	-28.03	-6269.51	-28.04	-6269.71
8.625in Casing Surface	0.00	229.00	229.00	-11.00	218.00	-28.03	-6269.51	-28.04	-6269.71
7.875in Open Hole	229.00	7682.00	7453.00	218.00	7669.81	-28.04	-6269.71	-43.90	-6285.14
5.5in Casing Production	0.00	7682.00	7682.00	-11.00	7669.81	-28.03	-6269.51	-43.90	-6285.14

**WELLPATH COMPOSITION - Offset Wellbore: EMERSON FARMS #21-29 AWB Offset Wellpath: EMERSON FARMS #21-29 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7350.00	BHI Generic gyro - continuous (Standard)	SUMMIT GYRO SURVEYS FROM SYNERGY <100-7350>	EMERSON FARMS #21-29 AWB
7350.00	7682.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7682>	EMERSON FARMS #21-29 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 354 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: EMERSON FARMS #21-29 AWB Offset Wellpath: EMERSON FARMS #21-29 AWP

MD Reference: Rig on SLOT#02 EX EMERSON FARMS #21-29 (660'FNL & 1980'FWL, SEC.29, PR, 7682) (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
Closest Approach  
Page 355 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## CLEARANCE DATA - Offset Wellbore: COUNTRY 1 #29-6 AWB Offset Wellpath: COUNTRY 1 #29-6 AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#03 EX COUNTRY 1 #29-6 ( 1980'FNL & 1980'FWL, SEC.29, PR, 7276' ) Well: COUNTRY 1 #29-6 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	4.31	18.31	-1373.87	-10308.00	-97.59	10399.15	50.13	211.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: COUNTRY 1 #29-6 AWB Offset Wellpath: COUNTRY 1 #29-6 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

## HOLE & CASING SECTIONS - Offset Wellbore: COUNTRY 1 #29-6 AWB Offset Wellpath: COUNTRY 1 #29-6 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	522.00	522.00	-11.00	510.92	-836.20	-6283.93	-834.88	-6286.18
8.625in Casing Surface	0.00	522.00	522.00	-11.00	510.92	-836.20	-6283.93	-834.88	-6286.18
7.875in Open Hole	522.00	7264.00	6742.00	510.92	7249.75	-834.88	-6286.18	-863.98	-6318.99
4.5in Casing Production	0.00	7264.00	7264.00	-11.00	7249.75	-836.20	-6283.93	-863.98	-6318.99

## WELLPATH COMPOSITION - Offset Wellbore: COUNTRY 1 #29-6 AWB Offset Wellpath: COUNTRY 1 #29-6 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY, ADJ FROM GRID TO TRUE <100-7000>	COUNTRY 1 #29-6 AWB
7000.00	7276.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7276>	COUNTRY 1 #29-6 AWB



# Clearance Report

TROUDT 41C-23-M PWP (REV-A.0)  
 Closest Approach  
 Page 356 of 356



## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41C-23-M PWB
Facility	SEC.27-T06N-R66W		

## OFFSET WELLPATH REFERENCE - Offset Wellbore: COUNTRY 1 #29-6 AWB Offset Wellpath: COUNTRY 1 #29-6 AWP

MD Reference: Rig on SLOT#03 EX COUNTRY 1 #29-6 ( 1980'FNL & 1980'FWL, SEC.29, PR, 7276') (RT)	<i>Offset TVD &amp; local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)</i>
Ellipse Start MD	<b>0.00ft</b>