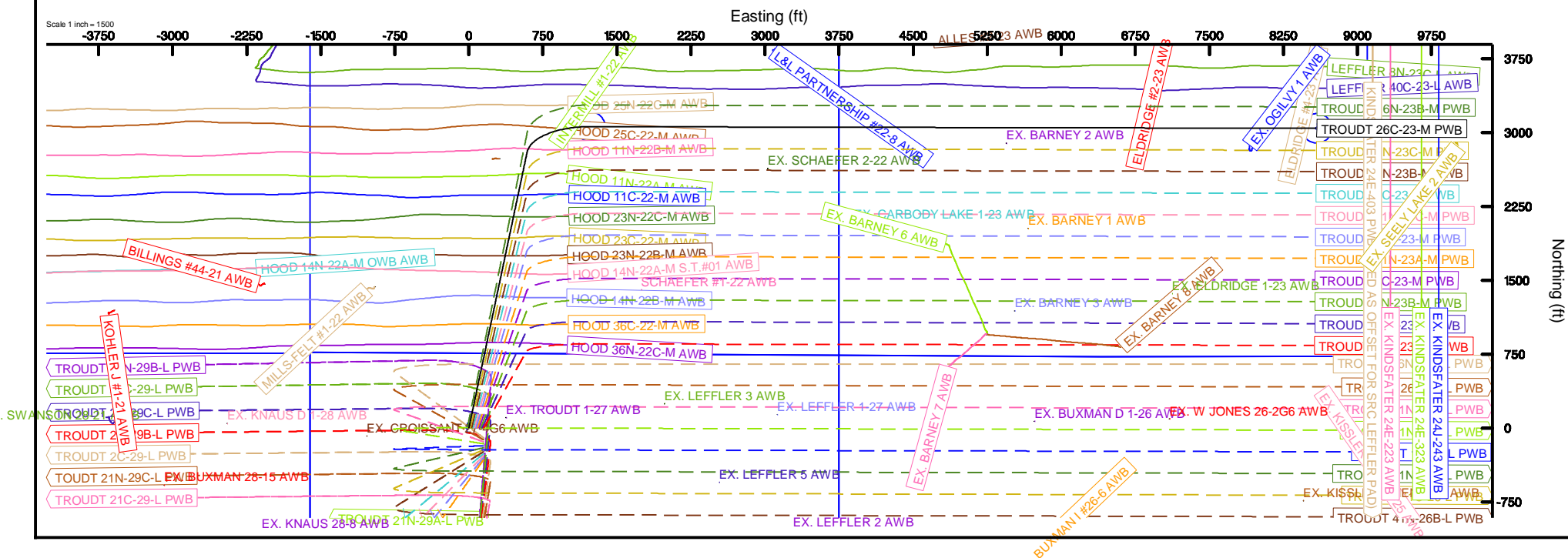
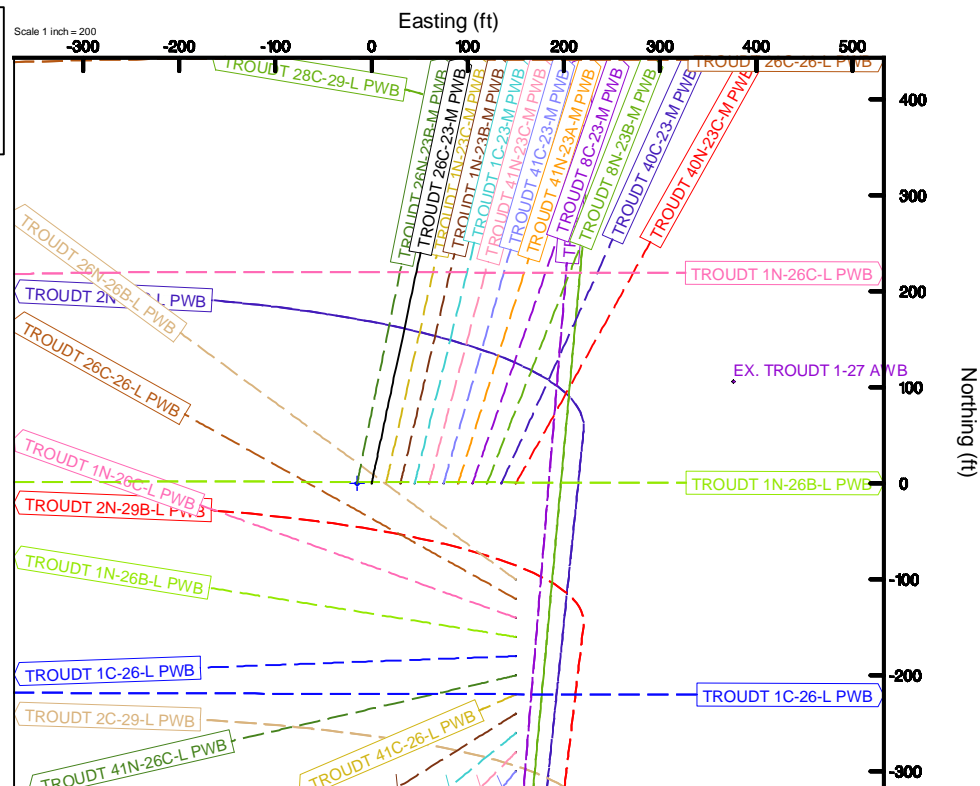


Location:	COLORADO	Slot:	SLOT#02 TROUDT 26C-23-M (761'FNL & 1609FWL, SEC.27)
Field:	WELD COUNTY (NAD83,TRUE NORTH)	Well:	TROUDT 26C-23-M
Facility:	SEC.27-T06N-R66W	Wellbore:	TROUDT 26C-23-M PWB





Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 2:10:16 PM
Convergence at slot	0.47° East	Database/Source file	WellArchitectDB/TROUDT_8C-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	119.93	3203893.66	1412933.70	40°27'52.531"N	104°46'01.945"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#09 TROUDT 8C-23-M (760'FNL & 1715'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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 8C-23-M PWB Ref 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	0.00	270.01	93.42
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.04	0.00	0.00	270.01	93.42
8.5in Open Hole	1750.00	15072.98	13322.98	1719.04	N/A	270.01	93.42	N/A	N/A

SURVEY PROGRAM - Ref Wellbore: TROUDT 8C-23-M PWB Ref 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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15072.98ft MD	C-C Cutoff: 1000.00 ft
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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. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL)	EX. ELDRIDGE 1-23	EX. ELDRIDGE 1-23 AWB	EX. ELDRIDGE 1-23 AWP	13625.00	142.35	13625.00	13625.00	0.23	13625.00	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	7148.00	96.78	7148.00	7137.03	0.30	7137.03	FAIL
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	7172.50	149.04	7172.50	7195.80	0.36	7195.80	FAIL
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	8248.15	114.21	8248.15	8246.57	0.44	8246.57	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)	377.47	14.25	377.47	15072.98	0.52	15072.98	FAIL
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	12031.04	321.46	12031.04	12032.95	0.58	12032.95	FAIL
SEC.27-T06N-R66W	SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27)	TROUDT 41C-23-M	TROUDT 41C-23-M PWB	TROUDT 41C-23-M PWP (REV-A.0)	25.00	30.05	15072.98	15072.98	0.59	15072.98	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	30.05	200.00	15072.98	0.60	15072.98	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	7304.82	265.30	7304.82	7281.43	0.63	7281.43	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)	25.00	15.03	7725.00	15072.98	0.84	15072.98	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	45.08	15072.98	15072.98	0.92	15072.98	FAIL
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	12164.18	516.82	12164.18	12186.14	0.93	12186.14	FAIL
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)	421.24	43.91	15072.98	15072.98	0.93	15072.98	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	7546.82	431.80	7546.82	7547.83	0.98	7547.83	FAIL
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	7379.80	458.01	7379.80	7501.11	1.05	7501.11	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)	471.17	108.75	15072.98	15072.98	1.12	15072.98	PASS
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	60.10	15072.98	15072.98	1.19	15072.98	PASS
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	10401.25	576.44	10401.25	10425.00	1.21	10425.00	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	128.40	7125.00	15072.98	1.36	15072.98	PASS
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	7535.16	638.58	7535.16	7535.16	1.46	7535.16	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	7125.00	624.46	7125.00	7258.36	1.51	7258.36	PASS
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	11331.16	357.41	11331.16	11355.64	1.53	11355.64	PASS
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	74.85	10325.00	15072.98	1.53	15072.98	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)	25.00	146.98	15072.98	15072.98	1.64	15072.98	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	89.88	13825.00	15072.98	1.80	15072.98	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF		
From: 25.00ft MD	To: 15072.98ft 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#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	166.17	15072.98	15072.98	1.93	15072.98	PASS
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	7562.50	858.69	7562.50	7575.19	1.95	7575.19	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	13109.10	678.04	13109.10	13135.93	2.00	13135.93	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	104.90	8225.00	15072.98	2.09	15072.98	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	185.53	6925.00	15072.98	2.18	15072.98	PASS
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	13487.50	1920.27	14925.00	15072.98	2.26	15072.98	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	13600.00	1412.43	13600.00	13684.90	2.27	13684.90	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	1340.96	221.63	1340.96	1750.00	2.29	1750.00	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	119.93	15072.98	15072.98	2.41	15072.98	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	205.03	6770.11	15072.98	2.47	15072.98	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	7510.62	1083.68	7510.62	7525.00	2.50	7525.00	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	11335.00	2100.84	15072.98	15072.98	2.52	15072.98	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	11942.50	1381.90	11942.50	12068.58	2.52	12068.58	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	9525.00	1120.71	9525.00	9643.32	2.54	9643.32	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	12235.00	1440.81	12235.00	12325.00	2.57	12325.00	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	224.62	6825.00	15072.98	2.74	15072.98	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	7540.00	1318.68	7540.00	7584.62	3.01	7584.62	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	244.28	15072.98	15072.98	3.02	15072.98	PASS
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	9630.00	1380.07	9630.00	9754.50	3.11	9754.50	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	8487.50	1270.68	8487.50	8598.11	3.20	8598.11	PASS
SEC.26-T06N-R66W	SLOT#09 EX. KISSLER AMEN 1-26 (1425'FNL & 660'FEL, PR/NB-CD)	EX. KISSLER AMEN 1-26	EX. KISSLER AMEN 1-26 AWB	EX. KISSLER AMEN 1-26 AWP	14962.50	2242.33	14962.50	15072.98	3.27	15072.98	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	264.00	15072.98	15072.98	3.32	15072.98	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)	15072.98	582.94	15072.98	15072.98	3.37	15072.98	PASS
		HOOD 25C-22-M	HOOD 25C-22-M AWB	HOOD 25C-22-M AWP	7583.59	1520.31	7583.59	7680.18	3.45	7680.18	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.20-T06N-R66W	SLOT#02 HOOD 25C-22-M (745'FSL & 1122'FEL SEC.20)										
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	283.76	15072.98	15072.98	3.57	15072.98	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15072.98ft MD	C-C Cutoff: 1000.00 ft
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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#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD)	EX. OGILVY 1	EX. OGILVY 1 AWB	EX. OGILVY 1 AWP	14406.09	1365.51	14406.09	14544.83	3.65	14544.83	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	11357.71	889.09	11357.71	11434.67	3.80	11434.67	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	303.20	200.00	15072.98	3.84	15072.98	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	7575.00	1765.61	7575.00	7680.29	4.00	7680.29	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	323.03	200.00	15072.98	4.15	15072.98	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	13637.50	2767.22	13637.50	13987.36	4.40	13987.36	PASS
SEC.24-T06N-R66W	SLOT#03 EX. KINDFSATER 24E-223 (370'FNL & 1539'FWL, XX)	EX. KINDFSATER 24E-223	EX. KINDFSATER 24E-223 AWB	EX. KINDFSATER 24E-223 AWP	15072.98	779.45	15072.98	15072.98	4.47	15072.98	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	9041.91	2068.27	9041.91	9358.37	4.89	9358.37	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	10905.00	2760.46	10905.00	11365.67	5.40	11365.67	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	6435.00	3329.42	12925.00	13371.11	5.57	13371.11	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	14700.00	3795.02	14700.00	15072.98	5.57	15072.98	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	9787.50	2555.71	9787.50	10225.00	5.58	10225.00	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	15072.98	2367.05	15072.98	15072.98	5.92	15072.98	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	11147.50	3599.65	11147.50	13425.00	5.92	13425.00	PASS
SEC.24-T06N-R66W	SLOT#04 EX. KINDFSATER 24E-323 (370'FNL & 1479'FWL, XX)	EX. KINDFSATER 24E-323	EX. KINDFSATER 24E-323 AWB	EX. KINDFSATER 24E-323 AWP	15072.98	1079.32	15072.98	15072.98	6.24	15072.98	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	10912.50	2436.86	10912.50	11425.00	6.40	11425.00	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	1139.83	200.00	6858.44	6.51	6858.44	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	15072.98	1979.23	15072.98	15072.98	7.08	15072.98	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	15072.98	2762.23	15072.98	15072.98	7.16	15072.98	PASS
SEC.24-T06N-R66W	SLOT#05 EX. KINDFSATER 24J-243 (370'FNL & 1509'FWL, XX)	EX. KINDFSATER 24J-243	EX. KINDFSATER 24J-243 AWB	EX. KINDFSATER 24J-243 AWP	15072.98	1264.56	15072.98	15072.98	7.29	15072.98	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	13562.50	2507.56	13562.50	14065.19	7.42	14065.19	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	1247.87	200.00	7677.06	7.67	7677.06	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	15072.98	2894.90	15072.98	15072.98	7.67	15072.98	PASS
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	13837.50	4216.31	13837.50	14750.50	8.11	14750.50	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	15072.98	3165.79	15072.98	15072.98	8.68	15072.98	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15072.98ft MD	C-C Cutoff: 1000.00 ft
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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#05EX: ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300'MD)	ALLES #2-23	ALLES #2-23 AWB	ALLES #2-23 AWP	12375.00	2522.14	12375.00	12972.06	8.70	12972.06	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	1656.57	200.00	7025.00	9.15	7025.00	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	2551.46	200.00	7003.35	9.81	7003.35	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	12200.00	2827.35	12200.00	12825.00	10.08	12825.00	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	2440.35	200.00	7025.00	10.75	7025.00	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	15072.98	4390.40	15072.98	15072.98	11.37	15072.98	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	3896.47	9525.00	11002.84	12.06	11002.84	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	3244.72	200.00	7068.00	12.26	7068.00	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	9575.00	2311.47	9575.00	10425.00	13.47	10425.00	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)	6382.50	870.29	6382.50	6625.00	14.17	6625.00	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	3895.24	200.00	7125.00	14.46	7125.00	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	11912.50	4449.73	11912.50	13505.17	15.35	13505.17	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	11000.00	3795.30	11000.00	12325.00	15.52	12325.00	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	5025.24	200.00	7168.86	16.50	7168.86	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	4566.79	200.00	7202.68	16.93	7202.68	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	5016.08	200.00	7182.78	17.31	7182.78	PASS
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)	6469.08	1108.09	6469.08	6808.61	17.91	6808.61	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 AWP	SWANSON #28-22 AWP	25.00	6486.03	200.00	7235.08	17.93	7235.08	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	7078.13	1354.97	7078.13	7289.11	18.48	7289.11	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	6484.08	200.00	7244.18	18.50	7244.18	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	6628.84	200.00	7247.64	18.73	7247.64	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	5660.59	200.00	7243.94	19.78	7243.94	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	7571.65	200.00	7279.62	20.42	7279.62	PASS
	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	8187.34	2523.24	8187.34	9598.74	21.41	9598.74	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.22-T06N-R66W											
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)	3825.00	1292.81	3825.00	6770.11	21.95	7625.00	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15072.98ft MD	C-C Cutoff: 1000.00 ft
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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	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	8014.61	200.00	7302.40	22.13	7302.40	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	2117.90	8225.00	9791.18	22.21	9791.18	PASS
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	4300.00	1475.44	4300.00	6847.27	23.11	6847.27	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	9075.53	200.00	7334.39	23.51	7334.39	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	9279.35	200.00	7674.23	25.40	7674.23	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)	825.00	1340.75	825.00	6757.44	25.54	8225.00	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	6120.00	5029.93	6120.00	6812.84	26.12	6812.84	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	5860.00	5571.54	5860.00	6789.85	27.57	6789.85	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	6770.11	2760.57	6770.11	6139.69	27.84	6139.69	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)	713.13	1360.55	713.13	7676.08	28.49	7676.08	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	2921.31	8025.00	10825.00	28.80	10825.00	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	10238.74	200.00	7672.99	30.05	7672.99	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)	637.50	1400.70	637.50	7676.22	31.68	8325.00	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	10494.05	200.00	7674.08	32.19	7674.08	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	2887.50	2549.44	2887.50	7025.00	32.62	7025.00	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)	534.69	1412.70	534.69	7676.40	34.04	8625.00	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	2571.20	204.61	10746.53	36.60	10746.53	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	1460.04	350.00	9081.47	37.65	9081.47	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	1441.50	200.00	7676.48	38.11	9125.00	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	1481.57	200.00	9325.00	38.62	9925.00	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	1501.60	200.00	9625.00	39.22	9625.00	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	1521.27	200.00	9874.77	39.96	9874.77	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	6489.82	200.00	5178.70	41.86	5178.70	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	2741.65	212.50	10725.00	49.46	10725.00	PASS
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	3663.70	25.00	7673.87	58.98	7673.87	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15072.98ft MD	C-C Cutoff: 1000.00 ft
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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#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	25.00	3886.12	25.00	7125.00	59.65	7125.00	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	3925.00	3956.35	3925.00	10374.79	63.48	10374.79	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	3885.00	7046.63	3885.00	7673.23	89.00	7673.23	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	3550.00	7019.64	3550.00	7673.30	89.07	7673.30	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	7331.34	200.00	7674.57	101.74	12825.00	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	1450.00	9492.39	5025.00	7673.43	113.19	7673.43	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	1375.00	9504.87	5325.00	7673.37	113.99	7673.37	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	215.63	9551.06	5325.00	7673.71	114.81	7673.71	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	1262.50	9525.51	4725.00	7673.49	116.13	7673.49	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	8054.28	250.00	7674.32	116.43	12525.00	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	267.50	9536.67	4825.00	7673.60	117.40	7673.60	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	9535.46	4725.00	7673.58	117.48	7673.58	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	9539.37	4425.00	7673.65	118.99	7673.65	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	9559.10	225.00	7673.83	120.09	7673.83	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	4978.51	9993.89	4978.51	7674.05	120.11	7674.05	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	287.50	9560.16	287.50	7673.92	120.16	7673.92	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	4750.00	10025.66	4750.00	7674.09	120.80	7674.09	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	276.25	9557.96	276.25	7673.90	120.92	7673.90	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	9553.93	225.00	7673.75	121.59	7673.75	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	275.00	9000.48	275.00	7673.44	124.01	7673.44	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	287.50	9565.44	287.50	7673.97	124.65	7673.97	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	9110.18	25.00	7673.87	127.76	7673.87	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	10314.79	25.00	7673.46	139.47	7673.46	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	10428.94	25.00	7673.79	146.94	7673.79	PASS



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1364.27	7018.89	79.00	7150.25	25.57	290.60	PASS
125.00†	125.00	0.00	0.00	94.00	125.00	1364.27	7018.89	79.00	7150.25	50.36	144.72	PASS
200.00	200.00	0.00	0.00	169.00	200.00	1364.27	7018.89	79.00	7150.25	51.03	142.81	PASS
225.00†	225.00	0.10	0.04	194.00	225.00	1364.27	7018.89	59.92	7150.19	51.26	142.14	PASS
325.00†	324.96	2.58	0.89	293.96	324.96	1364.27	7018.89	59.96	7148.88	52.88	137.67	PASS
425.00†	424.77	8.35	2.89	393.77	424.77	1364.27	7018.89	60.05	7145.82	55.12	131.93	PASS
525.00†	524.30	17.40	6.02	493.30	524.30	1364.27	7018.89	60.20	7141.03	57.83	125.55	PASS
625.00†	623.44	29.74	10.29	592.44	623.44	1364.27	7018.89	60.41	7134.52	60.91	119.00	PASS
725.00†	722.07	45.33	15.69	691.07	722.07	1364.27	7018.89	60.66	7126.32	64.26	112.56	PASS
825.00†	820.05	64.17	22.20	789.05	820.05	1364.27	7018.89	60.97	7116.45	67.82	106.42	PASS
882.76	876.31	76.52	26.48	845.31	876.31	1364.27	7018.89	61.18	7110.00	69.96	103.04	PASS
925.00†	917.36	85.95	29.74	886.36	917.36	1364.27	7018.89	61.25	7105.09	71.53	100.67	PASS
1025.00†	1014.53	108.26	37.46	983.53	1014.53	1364.27	7018.89	61.41	7093.51	75.37	95.32	PASS
1125.00†	1111.71	130.57	45.18	1080.71	1111.71	1364.27	7018.89	61.58	7082.00	79.33	90.35	PASS
1225.00†	1208.88	152.88	52.90	1177.88	1208.88	1364.27	7018.89	61.74	7070.54	83.39	85.77	PASS
1325.00†	1306.05	175.19	60.62	1275.05	1306.05	1364.27	7018.89	61.90	7059.14	87.53	81.53	PASS
1425.00†	1403.23	197.50	68.34	1372.23	1403.23	1364.27	7018.89	62.07	7047.80	91.75	77.62	PASS
1525.00†	1500.40	219.81	76.06	1469.40	1500.40	1364.27	7018.89	62.24	7036.53	96.02	74.01	PASS
1625.00†	1597.57	242.12	83.78	1566.57	1597.57	1364.27	7018.89	62.40	7025.31	100.35	70.68	PASS
1725.00†	1694.75	264.43	91.50	1663.75	1694.75	1364.27	7018.89	62.57	7014.16	104.73	67.59	PASS
1825.00†	1791.92	286.74	99.21	1760.92	1791.92	1364.27	7018.89	62.74	7003.07	108.76	64.81	PASS
1925.00†	1889.10	309.05	106.93	1858.10	1889.10	1364.27	7018.89	62.91	6992.04	112.95	62.29	PASS
2025.00†	1986.27	331.36	114.65	1955.27	1986.27	1364.27	7018.89	63.07	6981.07	117.17	59.94	PASS
2125.00†	2083.44	353.67	122.37	2052.44	2083.44	1364.27	7018.89	63.24	6970.17	121.42	57.74	PASS
2225.00†	2180.62	375.98	130.09	2149.62	2180.62	1364.27	7018.89	63.41	6959.33	125.70	55.67	PASS
2325.00†	2277.79	398.29	137.81	2246.79	2277.79	1364.27	7018.89	63.58	6948.55	130.00	53.74	PASS
2425.00†	2374.96	420.60	145.53	2343.96	2374.96	1364.27	7018.89	63.75	6937.84	134.32	51.92	PASS
2525.00†	2472.14	442.91	153.25	2441.14	2472.14	1364.27	7018.89	63.93	6927.18	138.67	50.21	PASS
2625.00†	2569.31	465.22	160.97	2538.31	2569.31	1364.27	7018.89	64.10	6916.60	143.04	48.59	PASS
2725.00†	2666.48	487.53	168.69	2635.48	2666.48	1364.27	7018.89	64.27	6906.08	147.42	47.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2732.66	2763.66	1364.27	7018.89	64.44	6895.62	151.83	45.63	PASS
2925.00†	2860.83	532.15	184.13	2829.83	2860.83	1364.27	7018.89	64.61	6885.23	156.25	44.26	PASS
3025.00†	2958.00	554.46	191.85	2927.00	2958.00	1364.27	7018.89	64.79	6874.90	160.69	42.97	PASS
3125.00†	3055.18	576.77	199.57	3024.18	3055.18	1364.27	7018.89	64.96	6864.64	165.14	41.74	PASS
3225.00†	3152.35	599.08	207.29	3121.35	3152.35	1364.27	7018.89	65.14	6854.45	169.62	40.58	PASS
3325.00†	3249.52	621.39	215.01	3218.52	3249.52	1364.27	7018.89	65.31	6844.32	174.10	39.47	PASS
3425.00†	3346.70	643.70	222.73	3315.70	3346.70	1364.27	7018.89	65.49	6834.26	178.60	38.41	PASS
3525.00†	3443.87	666.01	230.45	3412.87	3443.87	1364.27	7018.89	65.66	6824.26	183.12	37.41	PASS
3625.00†	3541.04	688.32	238.17	3510.04	3541.04	1364.27	7018.89	65.84	6814.33	187.65	36.45	PASS
3725.00†	3638.22	710.63	245.88	3607.22	3638.22	1364.27	7018.89	66.02	6804.47	192.19	35.53	PASS
3825.00†	3735.39	732.94	253.60	3704.39	3735.39	1364.27	7018.89	66.19	6794.68	196.74	34.66	PASS
3925.00†	3832.56	755.25	261.32	3801.56	3832.56	1364.27	7018.89	66.37	6784.95	201.31	33.82	PASS
4025.00†	3929.74	777.56	269.04	3898.74	3929.74	1364.27	7018.89	66.55	6775.30	205.89	33.02	PASS
4125.00†	4026.91	799.87	276.76	3995.91	4026.91	1364.27	7018.89	66.73	6765.71	210.47	32.25	PASS
4225.00†	4124.08	822.18	284.48	4093.08	4124.08	1364.27	7018.89	66.91	6756.19	215.07	31.51	PASS
4325.00†	4221.26	844.49	292.20	4190.26	4221.26	1364.27	7018.89	67.09	6746.74	219.68	30.81	PASS
4425.00†	4318.43	866.80	299.92	4287.43	4318.43	1364.27	7018.89	67.27	6737.36	224.30	30.13	PASS
4525.00†	4415.60	889.11	307.64	4384.60	4415.60	1364.27	7018.89	67.45	6728.05	228.93	29.48	PASS
4625.00†	4512.78	911.42	315.36	4481.78	4512.78	1364.27	7018.89	67.63	6718.81	233.57	28.85	PASS
4725.00†	4609.95	933.72	323.08	4578.95	4609.95	1364.27	7018.89	67.82	6709.64	238.22	28.25	PASS
4825.00†	4707.13	956.03	330.80	4676.13	4707.13	1364.27	7018.89	68.00	6700.54	242.88	27.67	PASS
4925.00†	4804.30	978.34	338.52	4773.30	4804.30	1364.27	7018.89	68.18	6691.51	247.55	27.11	PASS
5025.00†	4901.47	1000.65	346.24	4870.47	4901.47	1364.27	7018.89	68.36	6682.55	252.22	26.57	PASS
5125.00†	4998.65	1022.96	353.96	4967.65	4998.65	1364.27	7018.89	68.55	6673.66	256.90	26.05	PASS
5225.00†	5095.82	1045.27	361.68	5064.82	5095.82	1364.27	7018.89	68.73	6664.85	261.59	25.54	PASS
5325.00†	5192.99	1067.58	369.40	5161.99	5192.99	1364.27	7018.89	68.92	6656.11	266.29	25.06	PASS
5425.00†	5290.17	1089.89	377.12	5259.17	5290.17	1364.27	7018.89	69.10	6647.44	271.00	24.59	PASS
5525.00†	5387.34	1112.20	384.84	5356.34	5387.34	1364.27	7018.89	69.29	6638.84	275.71	24.14	PASS
5625.00†	5484.51	1134.51	392.56	5453.51	5484.51	1364.27	7018.89	69.47	6630.32	280.42	23.70	PASS
5725.00†	5581.69	1156.82	400.27	5550.69	5581.69	1364.27	7018.89	69.66	6621.86	285.15	23.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5647.86	5678.86	1364.27	7018.89	69.85	6613.49	289.88	22.87	PASS
5925.00†	5776.03	1201.44	415.71	5745.03	5776.03	1364.27	7018.89	70.03	6605.18	294.62	22.47	PASS
6025.00†	5873.21	1223.75	423.43	5842.21	5873.21	1364.27	7018.89	70.22	6596.95	299.36	22.09	PASS
6125.00†	5970.38	1246.06	431.15	5939.38	5970.38	1364.27	7018.89	70.41	6588.80	304.11	21.71	PASS
6225.00†	6067.55	1268.37	438.87	6036.55	6067.55	1364.27	7018.89	70.60	6580.72	308.86	21.35	PASS
6325.00†	6164.73	1290.68	446.59	6133.73	6164.73	1364.27	7018.89	70.79	6572.71	313.62	21.00	PASS
6425.00†	6261.90	1312.99	454.31	6230.90	6261.90	1364.27	7018.89	70.98	6564.78	318.39	20.66	PASS
6525.00†	6359.07	1335.30	462.03	6328.07	6359.07	1364.27	7018.89	71.17	6556.92	323.15	20.33	PASS
6625.00†	6456.25	1357.61	469.75	6425.25	6456.25	1364.27	7018.89	71.36	6549.14	327.93	20.01	PASS
6725.00†	6553.42	1379.92	477.47	6522.42	6553.42	1364.27	7018.89	71.55	6541.44	332.71	19.70	PASS
6770.11	6597.25	1389.99	480.95	6566.25	6597.25	1364.27	7018.89	71.64	6537.99	334.86	19.56	PASS
6825.00†	6650.35	1402.17	487.54	6619.35	6650.35	1364.27	7018.89	54.98	6531.46	337.50	19.39	PASS
6925.00†	6744.88	1423.86	511.48	6713.88	6744.88	1364.27	7018.89	36.57	6507.68	342.53	19.04	PASS
7025.00†	6834.60	1444.41	550.31	6803.60	6834.60	1364.27	7018.89	27.26	6469.08	347.76	18.64	PASS
7125.00†	6917.30	1463.34	603.05	6886.30	6917.30	1364.27	7018.89	22.16	6416.61	352.53	18.24	PASS
7225.00†	6990.95	1480.16	668.41	6959.95	6990.95	1364.27	7018.89	19.23	6351.54	356.73	17.84	PASS
7325.00†	7053.73	1494.48	744.79	7022.73	7053.73	1364.27	7018.89	17.63	6275.45	360.27	17.45	PASS
7425.00†	7104.09	1505.93	830.30	7073.09	7104.09	1364.27	7018.89	17.07	6190.21	363.08	17.08	PASS
7525.00†	7140.80	1514.24	922.83	7109.80	7140.80	1364.27	7018.89	17.76	6097.90	365.11	16.73	PASS
7625.00†	7162.95	1519.20	1020.12	7131.95	7162.95	1364.27	7018.89	21.78	6000.77	366.32	16.41	PASS
7724.04	7170.00	1520.68	1118.80	7139.00	7170.00	1364.27	7018.89	100.54	5902.16	366.74	16.12	PASS
7725.00†	7170.00	1520.68	1119.76	7139.00	7170.00	1364.27	7018.89	100.54	5901.21	366.74	16.12	PASS
7825.00†	7169.55	1520.44	1219.75	7138.55	7169.55	1364.27	7018.89	100.37	5801.24	366.76	15.85	PASS
7925.00†	7169.10	1520.20	1319.75	7138.10	7169.10	1364.27	7018.89	100.19	5701.27	366.78	15.57	PASS
8025.00†	7168.65	1519.96	1419.75	7137.65	7168.65	1364.27	7018.89	100.02	5601.30	366.81	15.30	PASS
8125.00†	7168.20	1519.73	1519.75	7137.20	7168.20	1364.27	7018.89	99.84	5501.33	366.84	15.02	PASS
8225.00†	7167.75	1519.49	1619.75	7136.75	7167.75	1364.27	7018.89	99.67	5401.37	366.87	14.75	PASS
8325.00†	7167.30	1519.25	1719.75	7136.30	7167.30	1364.27	7018.89	99.49	5301.41	366.90	14.48	PASS
8425.00†	7166.85	1519.01	1819.75	7135.85	7166.85	1364.27	7018.89	99.32	5201.44	366.94	14.20	PASS
8525.00†	7166.40	1518.77	1919.75	7135.40	7166.40	1364.27	7018.89	99.14	5101.48	366.98	13.93	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	7134.95	7165.95	1364.27	7018.89	98.96	5001.52	367.03	13.65	PASS
8725.00†	7165.51	1518.30	2119.74	7134.51	7165.51	1364.27	7018.89	98.79	4901.57	367.07	13.38	PASS
8825.00†	7165.06	1518.06	2219.74	7134.06	7165.06	1364.27	7018.89	98.61	4801.61	367.12	13.10	PASS
8925.00†	7164.61	1517.82	2319.74	7133.61	7164.61	1364.27	7018.89	98.43	4701.66	367.18	12.83	PASS
9025.00†	7164.16	1517.58	2419.74	7133.16	7164.16	1364.27	7018.89	98.26	4601.70	367.23	12.55	PASS
9125.00†	7163.71	1517.34	2519.74	7132.71	7163.71	1364.27	7018.89	98.08	4501.75	367.30	12.28	PASS
9225.00†	7163.26	1517.10	2619.74	7132.26	7163.26	1364.27	7018.89	97.90	4401.81	367.36	12.00	PASS
9325.00†	7162.81	1516.87	2719.73	7131.81	7162.81	1364.27	7018.89	97.72	4301.86	367.43	11.73	PASS
9425.00†	7162.36	1516.63	2819.73	7131.36	7162.36	1364.27	7018.89	97.55	4201.92	367.51	11.45	PASS
9525.00†	7161.91	1516.39	2919.73	7130.91	7161.91	1364.27	7018.89	97.37	4101.98	367.59	11.18	PASS
9625.00†	7161.46	1516.15	3019.73	7130.46	7161.46	1364.27	7018.89	97.19	4002.04	367.68	10.90	PASS
9725.00†	7161.01	1515.91	3119.73	7130.01	7161.01	1364.27	7018.89	97.01	3902.11	367.77	10.63	PASS
9825.00†	7160.57	1515.67	3219.73	7129.57	7160.57	1364.27	7018.89	96.84	3802.18	367.87	10.35	PASS
9925.00†	7160.12	1515.44	3319.73	7129.12	7160.12	1364.27	7018.89	96.66	3702.25	367.98	10.08	PASS
10025.00†	7159.67	1515.20	3419.73	7128.67	7159.67	1364.27	7018.89	96.48	3602.33	368.09	9.80	PASS
10125.00†	7159.22	1514.96	3519.72	7128.22	7159.22	1364.27	7018.89	96.30	3502.41	368.21	9.53	PASS
10225.00†	7158.77	1514.72	3619.72	7127.77	7158.77	1364.27	7018.89	96.12	3402.49	368.35	9.25	PASS
10325.00†	7158.32	1514.48	3719.72	7127.32	7158.32	1364.27	7018.89	95.94	3302.58	368.49	8.98	PASS
10425.00†	7157.87	1514.24	3819.72	7126.87	7157.87	1364.27	7018.89	95.76	3202.68	368.64	8.70	PASS
10525.00†	7157.42	1514.01	3919.72	7126.42	7157.42	1364.27	7018.89	95.58	3102.78	368.81	8.43	PASS
10625.00†	7156.97	1513.77	4019.72	7125.97	7156.97	1364.27	7018.89	95.41	3002.89	368.99	8.15	PASS
10725.00†	7156.52	1513.53	4119.72	7125.52	7156.52	1364.27	7018.89	95.23	2903.01	369.18	7.88	PASS
10825.00†	7156.08	1513.29	4219.72	7125.08	7156.08	1364.27	7018.89	95.05	2803.14	369.40	7.60	PASS
10925.00†	7155.63	1513.05	4319.71	7124.63	7155.63	1364.27	7018.89	94.87	2703.27	369.63	7.33	PASS
11025.00†	7155.18	1512.81	4419.71	7124.18	7155.18	1364.27	7018.89	94.69	2603.42	369.88	7.05	PASS
11125.00†	7154.73	1512.58	4519.71	7123.73	7154.73	1364.27	7018.89	94.51	2503.57	370.16	6.77	PASS
11225.00†	7154.28	1512.34	4619.71	7123.28	7154.28	1364.27	7018.89	94.33	2403.74	370.47	6.50	PASS
11325.00†	7153.83	1512.10	4719.71	7122.83	7153.83	1364.27	7018.89	94.15	2303.93	370.82	6.22	PASS
11425.00†	7153.38	1511.86	4819.71	7122.38	7153.38	1364.27	7018.89	93.97	2204.13	371.20	5.95	PASS
11525.00†	7152.93	1511.62	4919.71	7121.93	7152.93	1364.27	7018.89	93.79	2104.35	371.63	5.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	7121.48	7152.48	1364.27	7018.89	93.61	2004.59	372.12	5.40	PASS
11725.00†	7152.03	1511.15	5119.70	7121.03	7152.03	1364.27	7018.89	93.43	1904.86	372.66	5.12	PASS
11825.00†	7151.58	1510.91	5219.70	7120.58	7151.58	1364.27	7018.89	93.25	1805.15	373.29	4.84	PASS
11925.00†	7151.14	1510.67	5319.70	7120.14	7151.14	1364.27	7018.89	93.07	1705.48	374.01	4.57	PASS
12025.00†	7150.69	1510.43	5419.70	7119.69	7150.69	1364.27	7018.89	92.89	1605.85	374.85	4.29	PASS
12125.00†	7150.24	1510.19	5519.70	7119.24	7150.24	1364.27	7018.89	92.71	1506.27	375.83	4.01	PASS
12225.00†	7149.79	1509.95	5619.70	7118.79	7149.79	1364.27	7018.89	92.53	1406.75	376.98	3.74	PASS
12325.00†	7149.34	1509.72	5719.70	7118.34	7149.34	1364.27	7018.89	92.35	1307.31	378.37	3.46	PASS
12425.00†	7148.89	1509.48	5819.69	7117.89	7148.89	1364.27	7018.89	92.17	1207.95	380.04	3.18	PASS
12525.00†	7148.44	1509.24	5919.69	7117.44	7148.44	1364.27	7018.89	91.99	1108.71	382.10	2.91	PASS
12625.00†	7147.99	1509.00	6019.69	7116.99	7147.99	1364.27	7018.89	91.81	1009.62	384.66	2.63	PASS
12725.00†	7147.54	1508.76	6119.69	7116.54	7147.54	1364.27	7018.89	91.63	910.73	387.91	2.35	PASS
12825.00†	7147.09	1508.52	6219.69	7116.09	7147.09	1364.27	7018.89	91.45	812.11	392.14	2.07	PASS
12925.00†	7146.65	1508.28	6319.69	7115.65	7146.65	1364.27	7018.89	91.26	713.88	397.76	1.80	PASS
13025.00†	7146.20	1508.05	6419.69	7115.20	7146.20	1364.27	7018.89	91.08	616.21	405.47	1.52	PASS
13125.00†	7145.75	1507.81	6519.69	7114.75	7145.75	1364.27	7018.89	90.90	519.43	416.44	1.25	PASS
13225.00†	7145.30	1507.57	6619.68	7114.30	7145.30	1364.27	7018.89	90.72	424.14	432.79	0.98	FAIL
13325.00†	7144.85	1507.33	6719.68	7113.85	7144.85	1364.27	7018.89	90.54	331.65	458.57	0.72	FAIL
13425.00†	7144.40	1507.09	6819.68	7113.40	7144.40	1364.27	7018.89	90.36	245.12	501.52	0.49	FAIL
13525.00†	7143.95	1506.85	6919.68	7112.95	7143.95	1364.27	7018.89	90.18	173.70	570.39	0.30	FAIL
13625.00†	7143.50	1506.62	7019.68	7112.50	7143.50	1364.27	7018.89	90.00	142.35	622.03	0.23	FAIL
13725.00†	7143.05	1506.38	7119.68	7112.05	7143.05	1364.27	7018.89	89.82	174.22	566.86	0.31	FAIL
13825.00†	7142.60	1506.14	7219.68	7111.60	7142.60	1364.27	7018.89	89.64	245.85	497.12	0.49	FAIL
13925.00†	7142.15	1505.90	7319.68	7111.15	7142.15	1364.27	7018.89	89.46	332.46	454.12	0.73	FAIL
14025.00†	7141.71	1505.66	7419.67	7110.71	7141.71	1364.27	7018.89	89.28	425.00	428.51	0.99	FAIL
14125.00†	7141.26	1505.42	7519.67	7110.26	7141.26	1364.27	7018.89	89.10	520.30	412.40	1.26	PASS
14225.00†	7140.81	1505.19	7619.67	7109.81	7140.81	1364.27	7018.89	88.92	617.09	401.73	1.54	PASS
14325.00†	7140.36	1504.95	7719.67	7109.36	7140.36	1364.27	7018.89	88.73	714.76	394.33	1.81	PASS
14425.00†	7139.91	1504.71	7819.67	7108.91	7139.91	1364.27	7018.89	88.55	813.00	389.04	2.09	PASS
14525.00†	7139.46	1504.47	7919.67	7108.46	7139.46	1364.27	7018.89	88.37	911.62	385.14	2.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14050.18	6888.74	1590.64	-135.21	-4.86	7046.93	96.94	73.38	PASS
125.00†	125.00	0.00	0.00	14051.21	6888.76	1590.61	-134.18	-4.82	6949.57	97.97	71.59	PASS
200.00	200.00	0.00	0.00	14052.00	6888.78	1590.59	-133.40	-4.79	6876.60	98.38	70.54	PASS
225.00†	225.00	0.10	0.04	14052.27	6888.79	1590.59	-133.12	-24.75	6852.26	98.52	70.20	PASS
325.00†	324.96	2.58	0.89	14053.68	6888.83	1590.55	-131.72	-28.86	6754.52	99.04	68.82	PASS
425.00†	424.77	8.35	2.89	14055.55	6888.88	1590.50	-129.85	-34.36	6656.24	99.52	67.50	PASS
525.00†	524.30	17.40	6.02	14057.90	6888.94	1590.44	-127.49	-41.93	6557.51	99.94	66.21	PASS
625.00†	623.44	29.74	10.29	14060.75	6889.02	1590.37	-124.65	-52.53	6458.42	100.30	64.98	PASS
725.00†	722.07	45.33	15.69	14064.10	6889.11	1590.28	-121.30	-67.13	6359.10	100.59	63.79	PASS
825.00†	820.05	64.17	22.20	14067.95	6889.23	1590.18	-117.46	-85.49	6259.64	100.81	62.65	PASS
882.76	876.31	76.52	26.48	14070.41	6889.30	1590.11	-115.00	-96.76	6202.18	100.90	62.02	PASS
925.00†	917.36	85.95	29.74	14072.28	6889.36	1590.06	-113.13	-96.73	6160.16	100.96	61.56	PASS
1025.00†	1014.53	108.26	37.46	14076.76	6889.50	1589.93	-108.65	-96.66	6060.69	101.11	60.48	PASS
1125.00†	1111.71	130.57	45.18	14081.32	6889.65	1589.80	-104.09	-96.59	5961.23	101.26	59.40	PASS
1225.00†	1208.88	152.88	52.90	14085.98	6889.81	1589.66	-99.45	-96.52	5861.78	101.42	58.32	PASS
1325.00†	1306.05	175.19	60.62	14090.72	6889.97	1589.52	-94.71	-96.44	5762.34	101.58	57.23	PASS
1425.00†	1403.23	197.50	68.34	14095.55	6890.15	1589.36	-89.88	-96.36	5662.91	101.75	56.15	PASS
1525.00†	1500.40	219.81	76.06	14100.48	6890.33	1589.21	-84.96	-96.28	5563.50	101.93	55.07	PASS
1625.00†	1597.57	242.12	83.78	14105.50	6890.53	1589.04	-79.94	-96.20	5464.10	102.11	53.99	PASS
1725.00†	1694.75	264.43	91.50	14110.62	6890.73	1588.87	-74.83	-96.12	5364.70	102.30	52.90	PASS
1825.00†	1791.92	286.74	99.21	14115.85	6890.95	1588.69	-69.61	-96.03	5265.32	102.30	51.82	PASS
1925.00†	1889.10	309.05	106.93	14121.18	6891.17	1588.50	-64.29	-95.94	5165.96	102.49	50.75	PASS
2025.00†	1986.27	331.36	114.65	14126.62	6891.41	1588.31	-58.85	-95.84	5066.60	102.70	49.67	PASS
2125.00†	2083.44	353.67	122.37	14132.18	6891.67	1588.10	-53.31	-95.75	4967.26	102.91	48.59	PASS
2225.00†	2180.62	375.98	130.09	14137.85	6891.93	1587.89	-47.65	-95.65	4867.94	103.13	47.52	PASS
2325.00†	2277.79	398.29	137.81	14143.13	6892.19	1587.68	-42.38	-95.55	4768.62	103.36	46.45	PASS
2425.00†	2374.96	420.60	145.53	14148.41	6892.45	1587.48	-37.11	-95.46	4669.33	103.59	45.38	PASS
2525.00†	2472.14	442.91	153.25	14153.81	6892.72	1587.27	-31.72	-95.36	4570.05	103.83	44.31	PASS
2625.00†	2569.31	465.22	160.97	14159.34	6893.01	1587.06	-26.20	-95.25	4470.79	104.09	43.24	PASS
2725.00†	2666.48	487.53	168.69	14165.01	6893.32	1586.84	-20.55	-95.15	4371.55	104.35	42.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	14170.81	6893.64	1586.62	-14.76	-95.03	4272.33	104.62	41.11	PASS
2925.00†	2860.83	532.15	184.13	14176.75	6893.98	1586.39	-8.83	-94.91	4173.12	104.90	40.04	PASS
3025.00†	2958.00	554.46	191.85	14182.85	6894.33	1586.16	-2.75	-94.79	4073.94	105.20	38.98	PASS
3125.00†	3055.18	576.77	199.57	14189.10	6894.71	1585.92	3.49	-94.66	3974.78	105.50	37.92	PASS
3225.00†	3152.35	599.08	207.29	14195.51	6895.11	1585.67	9.88	-94.53	3875.64	105.82	36.87	PASS
3325.00†	3249.52	621.39	215.01	14202.08	6895.52	1585.42	16.44	-94.38	3776.52	106.15	35.81	PASS
3425.00†	3346.70	643.70	222.73	14208.83	6895.97	1585.16	23.17	-94.23	3677.43	106.49	34.76	PASS
3525.00†	3443.87	666.01	230.45	14215.76	6896.43	1584.90	30.07	-94.08	3578.36	106.85	33.71	PASS
3625.00†	3541.04	688.32	238.17	14222.88	6896.92	1584.63	37.17	-93.91	3479.32	107.23	32.66	PASS
3725.00†	3638.22	710.63	245.88	14230.65	6897.47	1584.33	44.92	-93.72	3380.31	107.62	31.61	PASS
3825.00†	3735.39	732.94	253.60	14241.02	6898.22	1583.94	55.25	-93.47	3281.32	108.05	30.56	PASS
3925.00†	3832.56	755.25	261.32	14251.55	6898.99	1583.54	65.74	-93.19	3182.34	108.50	29.52	PASS
4025.00†	3929.74	777.56	269.04	14262.24	6899.79	1583.13	76.40	-92.90	3083.38	108.96	28.48	PASS
4125.00†	4026.91	799.87	276.76	14273.09	6900.61	1582.72	87.21	-92.60	2984.45	109.45	27.44	PASS
4225.00†	4124.08	822.18	284.48	14284.11	6901.45	1582.31	98.19	-92.27	2885.53	109.95	26.41	PASS
4325.00†	4221.26	844.49	292.20	14295.31	6902.32	1581.89	109.35	-91.92	2786.63	110.48	25.38	PASS
4425.00†	4318.43	866.80	299.92	14306.68	6903.21	1581.47	120.68	-91.55	2687.75	111.03	24.36	PASS
4525.00†	4415.60	889.11	307.64	14318.28	6904.14	1581.03	132.23	-91.14	2588.89	111.60	23.34	PASS
4625.00†	4512.78	911.42	315.36	14332.36	6905.28	1580.51	146.25	-90.62	2490.05	112.22	22.32	PASS
4725.00†	4609.95	933.72	323.08	14346.47	6906.42	1580.00	160.31	-90.06	2391.22	112.87	21.31	PASS
4825.00†	4707.13	956.03	330.80	14360.63	6907.56	1579.50	174.42	-89.45	2292.39	113.55	20.31	PASS
4925.00†	4804.30	978.34	338.52	14374.84	6908.71	1579.00	188.57	-88.79	2193.58	114.27	19.31	PASS
5025.00†	4901.47	1000.65	346.24	14389.08	6909.86	1578.51	202.76	-88.07	2094.79	115.03	18.32	PASS
5125.00†	4998.65	1022.96	353.96	14403.37	6911.02	1578.03	216.99	-87.29	1996.00	115.83	17.33	PASS
5225.00†	5095.82	1045.27	361.68	14448.92	6914.39	1576.44	262.38	-84.26	1897.15	116.83	16.33	PASS
5325.00†	5192.99	1067.58	369.40	14495.32	6917.00	1574.63	308.68	-80.01	1798.05	117.86	15.34	PASS
5425.00†	5290.17	1089.89	377.12	14538.93	6918.65	1572.76	352.22	-74.28	1698.75	118.92	14.36	PASS
5525.00†	5387.34	1112.20	384.84	14570.47	6919.33	1571.32	383.72	-68.49	1599.31	119.99	13.40	PASS
5625.00†	5484.51	1134.51	392.56	14594.78	6919.56	1570.17	408.00	-62.63	1499.80	121.12	12.45	PASS
5725.00†	5581.69	1156.82	400.27	14614.53	6919.55	1569.20	427.72	-56.69	1400.24	122.35	11.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14629.71	6919.42	1568.43	442.89	-51.24	1300.67	123.70	10.57	PASS
5925.00†	5776.03	1201.44	415.71	14641.76	6919.24	1567.82	454.92	-46.32	1201.12	125.22	9.64	PASS
6025.00†	5873.21	1223.75	423.43	14651.55	6919.04	1567.30	464.69	-41.92	1101.59	126.98	8.72	PASS
6125.00†	5970.38	1246.06	431.15	14659.66	6918.85	1566.88	472.79	-37.99	1002.12	129.04	7.80	PASS
6225.00†	6067.55	1268.37	438.87	14666.49	6918.66	1566.51	479.61	-34.51	902.73	131.52	6.90	PASS
6325.00†	6164.73	1290.68	446.59	14672.33	6918.48	1566.20	485.43	-31.42	803.47	134.58	6.00	PASS
6425.00†	6261.90	1312.99	454.31	14676.92	6918.33	1565.95	490.01	-28.91	704.39	138.49	5.11	PASS
6525.00†	6359.07	1335.30	462.03	14680.13	6918.23	1565.77	493.22	-27.13	605.59	143.68	4.23	PASS
6625.00†	6456.25	1357.61	469.75	14683.32	6918.12	1565.61	496.40	-25.34	507.24	150.89	3.37	PASS
6725.00†	6553.42	1379.92	477.47	14686.49	6918.01	1565.44	499.56	-23.54	409.67	161.58	2.54	PASS
6770.11	6597.25	1389.99	480.95	14687.91	6917.96	1565.37	500.98	-22.73	366.08	168.26	2.18	PASS
6825.00†	6650.35	1402.17	487.54	14691.94	6917.82	1565.17	505.00	-52.80	313.71	178.81	1.76	PASS
6925.00†	6744.88	1423.86	511.48	14710.95	6917.13	1564.30	523.98	-81.33	222.60	209.16	1.06	PASS
7025.00†	6834.60	1444.41	550.31	14744.47	6915.81	1563.05	557.45	-86.93	143.94	265.09	0.54	FAIL
7125.00†	6917.30	1463.34	603.05	14791.77	6913.75	1561.88	604.69	-74.60	98.62	321.10	0.31	FAIL
7137.03†	6926.68	1465.48	610.27	14798.38	6913.47	1561.77	611.29	-72.00	97.20	319.55	0.30	FAIL
7148.00†	6935.12	1467.41	617.02	14804.64	6913.19	1561.67	617.55	-69.43	96.78	315.55	0.31	FAIL
7225.00†	6990.95	1480.16	668.41	14852.32	6911.11	1561.24	665.18	-49.62	113.83	245.08	0.46	FAIL
7325.00†	7053.73	1494.48	744.79	14924.54	6907.99	1561.76	737.33	-29.04	160.69	168.71	0.95	FAIL
7425.00†	7104.09	1505.93	830.30	15006.93	6904.45	1564.02	819.61	-18.34	208.19	137.70	1.51	PASS
7525.00†	7140.80	1514.24	922.83	15085.00	6901.12	1568.02	897.50	-13.98	246.94	126.72	1.95	PASS
7625.00†	7162.95	1519.20	1020.12	15085.00	6901.12	1568.02	897.50	-12.34	293.21	115.72	2.54	PASS
7724.04	7170.00	1520.68	1118.80	15085.00	6901.12	1568.02	897.50	-9.84	351.44	109.73	3.22	PASS
7725.00†	7170.00	1520.68	1119.76	15085.00	6901.12	1568.02	897.50	-9.84	352.04	109.68	3.22	PASS
7825.00†	7169.55	1520.44	1219.75	15085.00	6901.12	1568.02	897.50	-9.84	422.09	105.57	4.02	PASS
7925.00†	7169.10	1520.20	1319.75	15085.00	6901.12	1568.02	897.50	-9.84	502.39	102.65	4.92	PASS
8025.00†	7168.65	1519.96	1419.75	15085.00	6901.12	1568.02	897.50	-9.84	588.75	100.69	5.88	PASS
8125.00†	7168.20	1519.73	1519.75	15085.00	6901.12	1568.02	897.50	-9.84	678.86	99.41	6.87	PASS
8225.00†	7167.75	1519.49	1619.75	15085.00	6901.12	1568.02	897.50	-9.84	771.42	98.56	7.88	PASS
8325.00†	7167.30	1519.25	1719.75	15085.00	6901.12	1568.02	897.50	-9.84	865.63	98.00	8.89	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7166.85	1519.01	1819.75	15085.00	6901.12	1568.02	897.50	-9.84	961.01	97.63	9.91	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	727.86	-4955.22	738.31	-4936.87
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.86	-4955.22	738.30	-4936.98
8.5in Open Hole	1766.00	9486.00	7720.00	1747.11	6898.21	738.31	-4936.87	839.37	-3908.24
8.5in Open Hole	9486.00	15085.00	5599.00	6898.21	6901.12	839.37	-3908.24	841.36	-2203.96

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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14233.98	6979.87	1347.22	-51.54	-2.19	7084.34	122.13	58.44	PASS
125.00†	125.00	0.00	0.00	14234.91	6979.87	1347.23	-50.60	-2.15	6986.19	123.21	57.12	PASS
200.00	200.00	0.00	0.00	14235.61	6979.88	1347.23	-49.90	-2.12	6912.62	123.63	56.32	PASS
225.00†	225.00	0.10	0.04	14235.89	6979.88	1347.23	-49.62	-22.14	6888.08	123.78	56.06	PASS
325.00†	324.96	2.58	0.89	14237.98	6979.89	1347.23	-47.53	-26.74	6789.59	124.32	55.01	PASS
425.00†	424.77	8.35	2.89	14241.59	6979.92	1347.24	-43.92	-33.37	6690.65	124.81	54.00	PASS
525.00†	524.30	17.40	6.02	14246.70	6979.95	1347.24	-38.81	-43.48	6591.35	125.24	53.01	PASS
625.00†	623.44	29.74	10.29	14253.30	6980.00	1347.23	-32.22	-59.44	6491.80	125.60	52.06	PASS
725.00†	722.07	45.33	15.69	14261.32	6980.06	1347.21	-24.19	-83.05	6392.10	125.88	51.14	PASS
825.00†	820.05	64.17	22.20	14270.74	6980.12	1347.18	-14.77	-109.55	6292.37	126.08	50.27	PASS
882.76	876.31	76.52	26.48	14276.80	6980.16	1347.15	-8.71	-122.45	6234.80	126.16	49.78	PASS
925.00†	917.36	85.95	29.74	14281.38	6980.20	1347.12	-4.13	-122.57	6192.71	126.20	49.42	PASS
1025.00†	1014.53	108.26	37.46	14292.13	6980.27	1347.03	6.62	-122.87	6093.07	126.31	48.59	PASS
1125.00†	1111.71	130.57	45.18	14302.77	6980.35	1346.93	17.25	-123.18	5993.43	126.41	47.75	PASS
1225.00†	1208.88	152.88	52.90	14313.29	6980.42	1346.81	27.77	-123.50	5893.79	126.51	46.92	PASS
1325.00†	1306.05	175.19	60.62	14321.55	6980.48	1346.70	36.04	-123.76	5794.14	126.59	46.10	PASS
1425.00†	1403.23	197.50	68.34	14328.07	6980.53	1346.60	42.55	-123.98	5694.50	126.64	45.29	PASS
1525.00†	1500.40	219.81	76.06	14334.62	6980.58	1346.49	49.10	-124.20	5594.86	126.69	44.48	PASS
1625.00†	1597.57	242.12	83.78	14341.21	6980.64	1346.38	55.69	-124.43	5495.23	126.75	43.66	PASS
1725.00†	1694.75	264.43	91.50	14347.84	6980.70	1346.25	62.32	-124.67	5395.60	126.80	42.85	PASS
1825.00†	1791.92	286.74	99.21	14354.51	6980.76	1346.12	68.99	-124.91	5295.97	126.65	42.05	PASS
1925.00†	1889.10	309.05	106.93	14361.22	6980.83	1345.98	75.70	-125.17	5196.34	126.70	41.24	PASS
2025.00†	1986.27	331.36	114.65	14367.98	6980.91	1345.82	82.45	-125.44	5096.72	126.75	40.43	PASS
2125.00†	2083.44	353.67	122.37	14374.77	6980.98	1345.66	89.25	-125.72	4997.11	126.80	39.63	PASS
2225.00†	2180.62	375.98	130.09	14381.61	6981.07	1345.48	96.08	-126.01	4897.49	126.85	38.82	PASS
2325.00†	2277.79	398.29	137.81	14388.49	6981.15	1345.30	102.96	-126.31	4797.88	126.89	38.02	PASS
2425.00†	2374.96	420.60	145.53	14395.42	6981.25	1345.11	109.88	-126.63	4698.28	126.94	37.21	PASS
2525.00†	2472.14	442.91	153.25	14402.39	6981.34	1344.90	116.85	-126.96	4598.68	126.99	36.41	PASS
2625.00†	2569.31	465.22	160.97	14411.73	6981.48	1344.61	126.19	-127.41	4499.08	127.05	35.60	PASS
2725.00†	2666.48	487.53	168.69	14425.31	6981.67	1344.14	139.75	-128.12	4399.48	127.16	34.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	14438.47	6981.85	1343.63	152.90	-128.86	4299.87	127.25	33.97	PASS
2925.00†	2860.83	532.15	184.13	14451.23	6982.02	1343.09	165.65	-129.63	4200.26	127.34	33.16	PASS
3025.00†	2958.00	554.46	191.85	14463.61	6982.18	1342.52	178.02	-130.44	4100.64	127.41	32.36	PASS
3125.00†	3055.18	576.77	199.57	14475.63	6982.33	1341.92	190.02	-131.27	4001.01	127.47	31.56	PASS
3225.00†	3152.35	599.08	207.29	14487.30	6982.48	1341.30	201.68	-132.14	3901.38	127.53	30.76	PASS
3325.00†	3249.52	621.39	215.01	14498.18	6982.61	1340.68	212.54	-133.00	3801.75	127.56	29.96	PASS
3425.00†	3346.70	643.70	222.73	14506.24	6982.70	1340.21	220.58	-133.68	3702.12	127.57	29.18	PASS
3525.00†	3443.87	666.01	230.45	14514.26	6982.80	1339.72	228.59	-134.39	3602.49	127.57	28.39	PASS
3625.00†	3541.04	688.32	238.17	14522.24	6982.90	1339.23	236.55	-135.13	3502.86	127.55	27.61	PASS
3725.00†	3638.22	710.63	245.88	14530.18	6983.00	1338.72	244.47	-135.90	3403.24	127.53	26.83	PASS
3825.00†	3735.39	732.94	253.60	14538.07	6983.10	1338.21	252.35	-136.70	3303.63	127.50	26.05	PASS
3925.00†	3832.56	755.25	261.32	14545.93	6983.20	1337.69	260.19	-137.54	3204.02	127.46	25.27	PASS
4025.00†	3929.74	777.56	269.04	14553.74	6983.30	1337.17	267.98	-138.41	3104.41	127.40	24.50	PASS
4125.00†	4026.91	799.87	276.76	14561.52	6983.40	1336.63	275.74	-139.32	3004.82	127.33	23.73	PASS
4225.00†	4124.08	822.18	284.48	14569.26	6983.50	1336.08	283.46	-140.28	2905.23	127.24	22.95	PASS
4325.00†	4221.26	844.49	292.20	14576.96	6983.60	1335.53	291.14	-141.28	2805.65	127.13	22.19	PASS
4425.00†	4318.43	866.80	299.92	14584.62	6983.70	1334.97	298.78	-142.32	2706.08	127.01	21.42	PASS
4525.00†	4415.60	889.11	307.64	14592.40	6983.80	1334.40	306.54	-143.44	2606.52	126.86	20.66	PASS
4625.00†	4512.78	911.42	315.36	14600.25	6983.90	1333.84	314.37	-144.61	2506.97	126.69	19.89	PASS
4725.00†	4609.95	933.72	323.08	14608.09	6984.00	1333.30	322.18	-145.84	2407.44	126.50	19.13	PASS
4825.00†	4707.13	956.03	330.80	14615.91	6984.09	1332.78	329.99	-147.13	2307.92	126.27	18.37	PASS
4925.00†	4804.30	978.34	338.52	14623.73	6984.17	1332.28	337.79	-148.48	2208.42	126.02	17.62	PASS
5025.00†	4901.47	1000.65	346.24	14631.53	6984.25	1331.79	345.58	-149.89	2108.94	125.72	16.86	PASS
5125.00†	4998.65	1022.96	353.96	14639.33	6984.33	1331.33	353.36	-151.38	2009.48	125.39	16.11	PASS
5225.00†	5095.82	1045.27	361.68	14647.11	6984.40	1330.89	361.13	-152.93	1910.05	125.01	15.36	PASS
5325.00†	5192.99	1067.58	369.40	14654.89	6984.46	1330.46	368.90	-154.56	1810.66	124.58	14.61	PASS
5425.00†	5290.17	1089.89	377.12	14662.65	6984.53	1330.06	376.65	-156.26	1711.30	124.10	13.86	PASS
5525.00†	5387.34	1112.20	384.84	14670.41	6984.58	1329.67	384.40	-158.05	1611.98	123.55	13.12	PASS
5625.00†	5484.51	1134.51	392.56	14677.64	6984.63	1329.33	391.62	-159.80	1512.71	122.93	12.37	PASS
5725.00†	5581.69	1156.82	400.27	14683.65	6984.67	1329.06	397.63	-161.31	1413.52	122.23	11.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14689.87	6984.72	1328.79	403.84	-162.93	1314.41	121.45	10.88	PASS
5925.00†	5776.03	1201.44	415.71	14696.29	6984.77	1328.54	410.25	-164.67	1215.41	120.59	10.13	PASS
6025.00†	5873.21	1223.75	423.43	14702.93	6984.83	1328.30	416.89	-166.53	1116.55	119.66	9.38	PASS
6125.00†	5970.38	1246.06	431.15	14709.80	6984.89	1328.06	423.75	-168.53	1017.85	118.67	8.62	PASS
6225.00†	6067.55	1268.37	438.87	14716.91	6984.97	1327.84	430.86	-170.67	919.38	117.69	7.85	PASS
6325.00†	6164.73	1290.68	446.59	14724.27	6985.05	1327.64	438.22	-172.98	821.20	116.85	7.06	PASS
6425.00†	6261.90	1312.99	454.31	14731.90	6985.14	1327.45	445.84	-175.46	723.43	116.44	6.24	PASS
6525.00†	6359.07	1335.30	462.03	14739.81	6985.24	1327.29	453.75	-178.11	626.27	117.10	5.37	PASS
6625.00†	6456.25	1357.61	469.75	14748.02	6985.35	1327.14	461.96	-179.04	530.03	120.21	4.43	PASS
6725.00†	6553.42	1379.92	477.47	14756.55	6985.47	1327.02	470.48	-176.00	435.33	128.86	3.39	PASS
6770.11	6597.25	1389.99	480.95	14760.50	6985.53	1326.98	474.44	-174.56	393.41	136.13	2.90	PASS
6825.00†	6650.35	1402.17	487.54	14767.81	6985.64	1326.91	481.75	-165.39	343.68	149.60	2.30	PASS
6925.00†	6744.88	1423.86	511.48	14793.54	6986.03	1326.74	507.47	-151.60	260.00	194.31	1.34	PASS
7025.00†	6834.60	1444.41	550.31	14834.31	6986.59	1326.62	548.24	-137.73	192.30	276.57	0.69	FAIL
7125.00†	6917.30	1463.34	603.05	14887.86	6987.33	1326.65	601.78	-120.04	153.59	380.05	0.40	FAIL
7172.50†	6953.53	1471.62	632.61	14917.30	6987.89	1326.60	631.22	-110.04	149.04	412.13	0.36	FAIL
7195.80†	6970.50	1475.49	648.11	14933.20	6988.24	1326.55	647.12	-104.75	150.00	420.09	0.36	FAIL
7225.00†	6990.95	1480.16	668.41	14953.83	6988.74	1326.45	667.73	-98.13	153.73	423.24	0.36	FAIL
7325.00†	7053.73	1494.48	744.79	15031.12	6990.33	1326.07	745.01	-77.37	179.95	401.31	0.45	FAIL
7425.00†	7104.09	1505.93	830.30	15115.61	6991.79	1325.21	829.48	-62.88	212.77	371.84	0.57	FAIL
7525.00†	7140.80	1514.24	922.83	15173.00	6992.97	1324.16	886.85	-55.89	243.48	346.49	0.70	FAIL
7625.00†	7162.95	1519.20	1020.12	15173.00	6992.97	1324.16	886.85	-52.23	291.02	301.34	0.97	FAIL
7724.04	7170.00	1520.68	1118.80	15173.00	6992.97	1324.16	886.85	-47.90	351.80	258.33	1.36	PASS
7725.00†	7170.00	1520.68	1119.76	15173.00	6992.97	1324.16	886.85	-47.90	352.43	257.94	1.37	PASS
7825.00†	7169.55	1520.44	1219.75	15173.00	6992.97	1324.16	886.85	-47.90	424.89	222.01	1.92	PASS
7925.00†	7169.10	1520.20	1319.75	15173.00	6992.97	1324.16	886.85	-47.90	506.81	194.48	2.61	PASS
8025.00†	7168.65	1519.96	1419.75	15173.00	6992.97	1324.16	886.85	-47.90	594.30	173.97	3.43	PASS
8125.00†	7168.20	1519.73	1519.75	15173.00	6992.97	1324.16	886.85	-47.90	685.21	158.62	4.33	PASS
8225.00†	7167.75	1519.49	1619.75	15173.00	6992.97	1324.16	886.85	-47.90	778.36	146.97	5.32	PASS
8325.00†	7167.30	1519.25	1719.75	15173.00	6992.97	1324.16	886.85	-47.90	873.02	137.99	6.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8425.00†	7166.85	1519.01	1819.75	15173.00	6992.97	1324.16	886.85	47.90	968.76	130.96	7.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	715.63	-4955.08	716.96	-4930.42
9.625in Casing Surface	25.00	1774.00	1749.00	10.00	1755.10	715.63	-4955.08	717.01	-4930.01
8.5in Open Hole	1760.00	15173.00	13413.00	1741.17	6992.97	716.96	-4930.42	760.92	-2207.15

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



Clearance Report
TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	7.00	25.00	1405.22	1642.73	49.46	2161.76	50.29	43.77	PASS
125.00†	125.00	0.00	0.00	107.00	125.00	1405.22	1642.73	49.46	2161.76	52.59	41.82	PASS
200.00	200.00	0.00	0.00	182.00	200.00	1405.22	1642.73	49.46	2161.76	54.32	40.47	PASS
225.00†	225.00	0.10	0.04	207.00	225.00	1405.22	1642.73	30.37	2161.67	54.90	40.03	PASS
325.00†	324.96	2.58	0.89	306.96	324.96	1405.22	1642.73	30.43	2159.41	57.22	38.34	PASS
425.00†	424.77	8.35	2.89	406.77	424.77	1405.22	1642.73	30.57	2154.15	59.58	36.71	PASS
525.00†	524.30	17.40	6.02	506.30	524.30	1405.22	1642.73	30.78	2145.89	61.94	35.15	PASS
625.00†	623.44	29.74	10.29	605.44	623.44	1405.22	1642.73	31.08	2134.67	64.12	33.67	PASS
725.00†	722.07	45.33	15.69	704.07	722.07	1405.22	1642.73	31.45	2120.51	66.47	32.25	PASS
825.00†	820.05	64.17	22.20	802.05	820.05	1405.22	1642.73	31.92	2103.45	68.82	30.89	PASS
882.76	876.31	76.52	26.48	858.31	876.31	1405.22	1642.73	32.23	2092.30	70.16	30.13	PASS
925.00†	917.36	85.95	29.74	899.36	917.36	1405.22	1642.73	32.37	2083.80	71.14	29.59	PASS
1025.00†	1014.53	108.26	37.46	996.53	1014.53	1405.22	1642.73	32.72	2063.74	73.44	28.38	PASS
1125.00†	1111.71	130.57	45.18	1093.71	1111.71	1405.22	1642.73	33.08	2043.75	75.76	27.24	PASS
1225.00†	1208.88	152.88	52.90	1190.88	1208.88	1405.22	1642.73	33.44	2023.84	78.09	26.16	PASS
1325.00†	1306.05	175.19	60.62	1288.05	1306.05	1405.22	1642.73	33.81	2004.01	80.44	25.14	PASS
1425.00†	1403.23	197.50	68.34	1385.23	1403.23	1405.22	1642.73	34.18	1984.26	82.80	24.18	PASS
1525.00†	1500.40	219.81	76.06	1482.40	1500.40	1405.22	1642.73	34.57	1964.60	85.17	23.26	PASS
1625.00†	1597.57	242.12	83.78	1579.57	1597.57	1405.22	1642.73	34.96	1945.03	87.55	22.40	PASS
1725.00†	1694.75	264.43	91.50	1676.75	1694.75	1405.22	1642.73	35.35	1925.55	89.95	21.58	PASS
1825.00†	1791.92	286.74	99.21	1773.92	1791.92	1405.22	1642.73	35.76	1906.16	92.07	20.82	PASS
1925.00†	1889.10	309.05	106.93	1871.10	1889.10	1405.22	1642.73	36.18	1886.87	94.33	20.11	PASS
2025.00†	1986.27	331.36	114.65	1968.27	1986.27	1405.22	1642.73	36.60	1867.67	96.60	19.44	PASS
2125.00†	2083.44	353.67	122.37	2065.44	2083.44	1405.22	1642.73	37.03	1848.58	98.89	18.79	PASS
2225.00†	2180.62	375.98	130.09	2162.62	2180.62	1405.22	1642.73	37.47	1829.59	101.18	18.17	PASS
2325.00†	2277.79	398.29	137.81	2259.79	2277.79	1405.22	1642.73	37.92	1810.72	103.49	17.58	PASS
2425.00†	2374.96	420.60	145.53	2356.96	2374.96	1405.22	1642.73	38.38	1791.95	105.81	17.02	PASS
2525.00†	2472.14	442.91	153.25	2454.14	2472.14	1405.22	1642.73	38.85	1773.30	108.15	16.47	PASS
2625.00†	2569.31	465.22	160.97	2551.31	2569.31	1405.22	1642.73	39.33	1754.77	110.49	15.95	PASS
2725.00†	2666.48	487.53	168.69	2648.48	2666.48	1405.22	1642.73	39.81	1736.36	112.85	15.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2745.66	2763.66	1405.22	1642.73	40.31	1718.08	115.22	14.98	PASS
2925.00†	2860.83	532.15	184.13	2842.83	2860.83	1405.22	1642.73	40.82	1699.93	117.60	14.52	PASS
3025.00†	2958.00	554.46	191.85	2940.00	2958.00	1405.22	1642.73	41.34	1681.92	120.00	14.08	PASS
3125.00†	3055.18	576.77	199.57	3037.18	3055.18	1405.22	1642.73	41.87	1664.05	122.40	13.65	PASS
3225.00†	3152.35	599.08	207.29	3134.35	3152.35	1405.22	1642.73	42.41	1646.32	124.82	13.24	PASS
3325.00†	3249.52	621.39	215.01	3231.52	3249.52	1405.22	1642.73	42.97	1628.74	127.25	12.85	PASS
3425.00†	3346.70	643.70	222.73	3328.70	3346.70	1405.22	1642.73	43.53	1611.31	129.69	12.47	PASS
3525.00†	3443.87	666.01	230.45	3425.87	3443.87	1405.22	1642.73	44.11	1594.05	132.13	12.11	PASS
3625.00†	3541.04	688.32	238.17	3523.04	3541.04	1405.22	1642.73	44.70	1576.94	134.59	11.76	PASS
3725.00†	3638.22	710.63	245.88	3620.22	3638.22	1405.22	1642.73	45.30	1560.01	137.07	11.42	PASS
3825.00†	3735.39	732.94	253.60	3717.39	3735.39	1405.22	1642.73	45.91	1543.25	139.55	11.10	PASS
3925.00†	3832.56	755.25	261.32	3814.56	3832.56	1405.22	1642.73	46.54	1526.68	142.04	10.79	PASS
4025.00†	3929.74	777.56	269.04	3911.74	3929.74	1405.22	1642.73	47.18	1510.29	144.54	10.48	PASS
4125.00†	4026.91	799.87	276.76	4008.91	4026.91	1405.22	1642.73	47.83	1494.09	147.04	10.19	PASS
4225.00†	4124.08	822.18	284.48	4106.08	4124.08	1405.22	1642.73	48.50	1478.10	149.56	9.92	PASS
4325.00†	4221.26	844.49	292.20	4203.26	4221.26	1405.22	1642.73	49.18	1462.31	152.09	9.65	PASS
4425.00†	4318.43	866.80	299.92	4300.43	4318.43	1405.22	1642.73	49.88	1446.73	154.63	9.39	PASS
4525.00†	4415.60	889.11	307.64	4397.60	4415.60	1405.22	1642.73	50.59	1431.38	157.17	9.14	PASS
4625.00†	4512.78	911.42	315.36	4494.78	4512.78	1405.22	1642.73	51.31	1416.25	159.72	8.89	PASS
4725.00†	4609.95	933.72	323.08	4591.95	4609.95	1405.22	1642.73	52.05	1401.35	162.28	8.66	PASS
4825.00†	4707.13	956.03	330.80	4689.13	4707.13	1405.22	1642.73	52.81	1386.70	164.85	8.44	PASS
4925.00†	4804.30	978.34	338.52	4786.30	4804.30	1405.22	1642.73	53.58	1372.29	167.42	8.22	PASS
5025.00†	4901.47	1000.65	346.24	4883.47	4901.47	1405.22	1642.73	54.37	1358.15	170.01	8.01	PASS
5125.00†	4998.65	1022.96	353.96	4980.65	4998.65	1405.22	1642.73	55.17	1344.27	172.60	7.81	PASS
5225.00†	5095.82	1045.27	361.68	5077.82	5095.82	1405.22	1642.73	55.99	1330.66	175.19	7.62	PASS
5325.00†	5192.99	1067.58	369.40	5174.99	5192.99	1405.22	1642.73	56.82	1317.34	177.80	7.43	PASS
5425.00†	5290.17	1089.89	377.12	5272.17	5290.17	1405.22	1642.73	57.67	1304.30	180.41	7.25	PASS
5525.00†	5387.34	1112.20	384.84	5369.34	5387.34	1405.22	1642.73	58.54	1291.57	183.02	7.07	PASS
5625.00†	5484.51	1134.51	392.56	5466.51	5484.51	1405.22	1642.73	59.42	1279.15	185.64	6.91	PASS
5725.00†	5581.69	1156.82	400.27	5563.69	5581.69	1405.22	1642.73	60.32	1267.04	188.27	6.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	5660.86	5678.86	1405.22	1642.73	61.24	1255.26	190.90	6.59	PASS
5925.00†	5776.03	1201.44	415.71	5758.03	5776.03	1405.22	1642.73	62.17	1243.82	193.54	6.44	PASS
6025.00†	5873.21	1223.75	423.43	5855.21	5873.21	1405.22	1642.73	63.12	1232.72	196.19	6.30	PASS
6125.00†	5970.38	1246.06	431.15	5952.38	5970.38	1405.22	1642.73	64.08	1221.98	198.83	6.16	PASS
6225.00†	6067.55	1268.37	438.87	6049.55	6067.55	1405.22	1642.73	65.06	1211.61	201.49	6.03	PASS
6325.00†	6164.73	1290.68	446.59	6146.73	6164.73	1405.22	1642.73	66.06	1201.61	204.15	5.90	PASS
6425.00†	6261.90	1312.99	454.31	6243.90	6261.90	1405.22	1642.73	67.07	1191.99	206.81	5.78	PASS
6525.00†	6359.07	1335.30	462.03	6341.07	6359.07	1405.22	1642.73	68.10	1182.77	209.47	5.66	PASS
6625.00†	6456.25	1357.61	469.75	6438.25	6456.25	1405.22	1642.73	69.14	1173.94	212.15	5.55	PASS
6725.00†	6553.42	1379.92	477.47	6535.42	6553.42	1405.22	1642.73	70.20	1165.53	214.82	5.44	PASS
6770.11	6597.25	1389.99	480.95	6579.25	6597.25	1405.22	1642.73	70.68	1161.88	216.03	5.39	PASS
6825.00†	6650.35	1402.17	487.54	6632.35	6650.35	1405.22	1642.73	71.50	1155.19	217.52	5.32	PASS
6925.00†	6744.88	1423.86	511.48	6726.88	6744.88	1405.22	1642.73	73.00	1131.40	220.50	5.14	PASS
7025.00†	6834.60	1444.41	550.31	6816.60	6834.60	1405.22	1642.73	74.50	1093.13	223.80	4.89	PASS
7125.00†	6917.30	1463.34	603.05	6899.30	6917.30	1405.22	1642.73	76.00	1041.30	226.81	4.60	PASS
7225.00†	6990.95	1480.16	668.41	6972.95	6990.95	1405.22	1642.73	77.50	977.19	229.47	4.27	PASS
7325.00†	7053.73	1494.48	744.79	7035.73	7053.73	1405.22	1642.73	79.00	902.37	231.76	3.90	PASS
7425.00†	7104.09	1505.93	830.30	7086.09	7104.09	1405.22	1642.73	80.50	818.65	233.65	3.51	PASS
7525.00†	7140.80	1514.24	922.83	7122.80	7140.80	1405.22	1642.73	82.00	728.10	235.14	3.10	PASS
7625.00†	7162.95	1519.20	1020.12	7144.95	7162.95	1405.22	1642.73	83.50	632.96	236.25	2.68	PASS
7724.04	7170.00	1520.68	1118.80	7152.00	7170.00	1405.22	1642.73	85.00	536.50	237.03	2.27	PASS
7725.00†	7170.00	1520.68	1119.76	7152.00	7170.00	1405.22	1642.73	86.50	535.57	237.03	2.26	PASS
7825.00†	7169.55	1520.44	1219.75	7151.55	7169.55	1405.22	1642.73	88.00	438.39	237.86	1.84	PASS
7925.00†	7169.10	1520.20	1319.75	7151.10	7169.10	1405.22	1642.73	89.50	342.83	239.29	1.43	PASS
8025.00†	7168.65	1519.96	1419.75	7150.65	7168.65	1405.22	1642.73	91.00	250.77	242.08	1.04	PASS
8125.00†	7168.20	1519.73	1519.75	7150.20	7168.20	1405.22	1642.73	92.50	168.03	248.09	0.68	FAIL
8225.00†	7167.75	1519.49	1619.75	7149.75	7167.75	1405.22	1642.73	94.00	116.55	256.26	0.45	FAIL
8246.57†	7167.65	1519.44	1641.32	7149.65	7167.65	1405.22	1642.73	95.50	114.22	256.20	0.44	FAIL
8248.15†	7167.65	1519.43	1642.90	7149.91	7167.91	1405.22	1642.73	97.00	114.21	256.16	0.44	FAIL
8325.00†	7167.30	1519.25	1719.75	7149.30	7167.30	1405.22	1642.73	98.50	137.60	248.01	0.55	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7166.85	1519.01	1819.75	7148.85	7166.85	1405.22	1642.73	89.60	210.44	239.30	0.88	FAIL
8525.00†	7166.40	1518.77	1919.75	7148.40	7166.40	1405.22	1642.73	89.38	299.39	236.21	1.27	PASS
8625.00†	7165.95	1518.53	2019.74	7147.95	7165.95	1405.22	1642.73	89.15	393.68	235.10	1.68	PASS
8725.00†	7165.51	1518.30	2119.74	7147.51	7165.51	1405.22	1642.73	88.93	490.23	234.65	2.09	PASS
8825.00†	7165.06	1518.06	2219.74	7147.06	7165.06	1405.22	1642.73	88.70	587.94	234.45	2.51	PASS
8925.00†	7164.61	1517.82	2319.74	7146.61	7164.61	1405.22	1642.73	88.48	686.31	234.37	2.93	PASS
9025.00†	7164.16	1517.58	2419.74	7146.16	7164.16	1405.22	1642.73	88.25	785.09	234.35	3.36	PASS
9125.00†	7163.71	1517.34	2519.74	7145.71	7163.71	1405.22	1642.73	88.03	884.15	234.35	3.78	PASS
9225.00†	7163.26	1517.10	2619.74	7145.26	7163.26	1405.22	1642.73	87.80	983.39	234.37	4.20	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	1001.38	856.66	1001.38
8.625in Casing Surface	0.00	520.00	520.00	-7.00	513.00	856.66	1001.38	856.66	1001.38
7.875in Open Hole	520.00	7232.00	6712.00	513.00	7225.00	856.66	1001.38	856.66	1001.38
4.5in Casing Production	0.00	7232.00	7232.00	-7.00	7225.00	856.66	1001.38	856.66	1001.38



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	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	15.33	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	0.04	225.00	225.00	0.00	15.03	71.31	14.99	2.44	9.50	PASS
325.00†	324.96	2.58	0.89	324.94	324.94	0.10	15.07	80.83	14.39	3.04	6.46	PASS
377.47†	377.36	5.19	1.80	377.35	377.35	0.97	15.41	88.15	14.25	3.37	5.53	PASS
425.00†	424.77	8.35	2.89	424.84	424.80	2.53	16.02	94.79	14.36	3.68	4.94	PASS
525.00†	524.30	17.40	6.02	524.86	524.63	8.21	18.25	107.88	15.30	4.63	3.91	PASS
625.00†	623.44	29.74	10.29	625.00	624.30	17.14	21.75	118.72	17.05	5.95	3.23	PASS
725.00†	722.07	45.33	15.69	725.26	723.70	29.33	26.53	127.04	19.40	7.39	2.87	PASS
825.00†	820.05	64.17	22.20	825.65	822.70	44.77	32.59	133.19	22.17	8.80	2.70	PASS
882.76	876.31	76.52	26.48	883.68	879.65	55.16	36.66	135.95	23.90	9.61	2.65	PASS
925.00†	917.36	85.95	29.74	926.12	921.14	63.43	39.91	137.22	24.99	10.03	2.65	PASS
1025.00†	1014.53	108.26	37.46	1026.09	1018.79	83.38	47.73	139.09	27.25	10.94	2.64	PASS
1125.00†	1111.71	130.57	45.18	1126.06	1116.44	103.32	55.55	140.68	29.54	11.85	2.62	PASS
1225.00†	1208.88	152.88	52.90	1226.03	1214.09	123.27	63.37	142.03	31.84	12.77	2.62	PASS
1325.00†	1306.05	175.19	60.62	1326.00	1311.74	143.21	71.20	143.21	34.16	13.68	2.61	PASS
1425.00†	1403.23	197.50	68.34	1425.97	1409.39	163.15	79.02	144.23	36.49	14.60	2.61	PASS
1525.00†	1500.40	219.81	76.06	1525.94	1507.04	183.10	86.84	145.13	38.83	15.52	2.60	PASS
1625.00†	1597.57	242.12	83.78	1625.91	1604.68	203.04	94.66	145.93	41.18	16.44	2.60	PASS
1725.00†	1694.75	264.43	91.50	1725.88	1702.33	222.98	102.49	146.64	43.54	17.36	2.60	PASS
1825.00†	1791.92	286.74	99.21	1825.85	1799.98	242.93	110.31	147.28	45.91	17.55	2.68	PASS
1925.00†	1889.10	309.05	106.93	1925.82	1897.63	262.87	118.13	147.85	48.28	17.59	2.82	PASS
2025.00†	1986.27	331.36	114.65	2025.79	1995.28	282.81	125.95	148.37	50.65	17.71	2.94	PASS
2125.00†	2083.44	353.67	122.37	2125.77	2092.93	302.76	133.78	148.85	53.03	17.91	3.04	PASS
2225.00†	2180.62	375.98	130.09	2225.74	2190.57	322.70	141.60	149.28	55.41	18.19	3.13	PASS
2325.00†	2277.79	398.29	137.81	2325.71	2288.22	342.65	149.42	149.68	57.79	18.55	3.20	PASS
2425.00†	2374.96	420.60	145.53	2425.68	2385.87	362.59	157.24	150.05	60.18	18.97	3.26	PASS
2525.00†	2472.14	442.91	153.25	2525.65	2483.52	382.53	165.07	150.39	62.56	19.46	3.30	PASS
2625.00†	2569.31	465.22	160.97	2625.62	2581.17	402.48	172.89	150.70	64.95	20.01	3.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2666.48	487.53	168.69	2725.59	2678.82	422.42	180.71	150.99	67.35	20.62	3.35	PASS
2825.00†	2763.66	509.84	176.41	2825.56	2776.47	442.36	188.53	151.26	69.74	21.27	3.36	PASS
2925.00†	2860.83	532.15	184.13	2925.53	2874.11	462.31	196.36	151.52	72.14	21.96	3.36	PASS
3025.00†	2958.00	554.46	191.85	3025.50	2971.76	482.25	204.18	151.75	74.53	22.70	3.36	PASS
3125.00†	3055.18	576.77	199.57	3125.47	3069.41	502.19	212.00	151.98	76.93	23.47	3.35	PASS
3225.00†	3152.35	599.08	207.29	3225.44	3167.06	522.14	219.82	152.19	79.33	24.28	3.34	PASS
3325.00†	3249.52	621.39	215.01	3325.41	3264.71	542.08	227.65	152.38	81.73	25.12	3.32	PASS
3425.00†	3346.70	643.70	222.73	3425.39	3362.36	562.03	235.47	152.57	84.13	25.98	3.30	PASS
3525.00†	3443.87	666.01	230.45	3525.36	3460.00	581.97	243.29	152.74	86.53	26.86	3.28	PASS
3625.00†	3541.04	688.32	238.17	3625.33	3557.65	601.91	251.11	152.91	88.93	27.77	3.26	PASS
3725.00†	3638.22	710.63	245.88	3725.30	3655.30	621.86	258.94	153.07	91.34	28.69	3.24	PASS
3825.00†	3735.39	732.94	253.60	3825.27	3752.95	641.80	266.76	153.21	93.74	29.64	3.22	PASS
3925.00†	3832.56	755.25	261.32	3925.24	3850.60	661.74	274.58	153.36	96.14	30.59	3.19	PASS
4025.00†	3929.74	777.56	269.04	4025.21	3948.25	681.69	282.40	153.49	98.55	31.57	3.17	PASS
4125.00†	4026.91	799.87	276.76	4125.18	4045.90	701.63	290.23	153.62	100.95	32.55	3.15	PASS
4225.00†	4124.08	822.18	284.48	4225.15	4143.54	721.57	298.05	153.74	103.36	33.55	3.13	PASS
4325.00†	4221.26	844.49	292.20	4325.12	4241.19	741.52	305.87	153.86	105.77	34.56	3.10	PASS
4425.00†	4318.43	866.80	299.92	4425.09	4338.84	761.46	313.69	153.97	108.17	35.57	3.08	PASS
4525.00†	4415.60	889.11	307.64	4525.06	4436.49	781.41	321.52	154.08	110.58	36.60	3.06	PASS
4625.00†	4512.78	911.42	315.36	4625.04	4534.14	801.35	329.34	154.18	112.99	37.63	3.04	PASS
4725.00†	4609.95	933.72	323.08	4725.01	4631.79	821.29	337.16	154.28	115.40	38.68	3.02	PASS
4825.00†	4707.13	956.03	330.80	4824.98	4729.44	841.24	344.98	154.37	117.80	39.72	3.00	PASS
4925.00†	4804.30	978.34	338.52	4924.95	4827.08	861.18	352.81	154.46	120.21	40.78	2.98	PASS
5025.00†	4901.47	1000.65	346.24	5024.92	4924.73	881.12	360.63	154.55	122.62	41.84	2.96	PASS
5125.00†	4998.65	1022.96	353.96	5124.89	5022.38	901.07	368.45	154.63	125.03	42.90	2.95	PASS
5225.00†	5095.82	1045.27	361.68	5224.86	5120.03	921.01	376.27	154.71	127.44	43.97	2.93	PASS
5325.00†	5192.99	1067.58	369.40	5324.83	5217.68	940.95	384.10	154.79	129.85	45.05	2.91	PASS
5425.00†	5290.17	1089.89	377.12	5424.80	5315.33	960.90	391.92	154.86	132.26	46.13	2.90	PASS
5525.00†	5387.34	1112.20	384.84	5524.77	5412.97	980.84	399.74	154.93	134.67	47.21	2.88	PASS
5625.00†	5484.51	1134.51	392.56	5624.74	5510.62	1000.79	407.56	155.00	137.08	48.30	2.87	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5581.69	1156.82	400.27	5724.71	5608.27	1020.73	415.39	155.07	139.49	49.39	2.85	PASS
5825.00†	5678.86	1179.13	407.99	5824.69	5705.92	1040.67	423.21	155.13	141.90	50.48	2.84	PASS
5925.00†	5776.03	1201.44	415.71	5924.66	5803.57	1060.62	431.03	155.20	144.31	51.58	2.82	PASS
6025.00†	5873.21	1223.75	423.43	6024.63	5901.22	1080.56	438.85	155.26	146.72	52.68	2.81	PASS
6125.00†	5970.38	1246.06	431.15	6124.60	5998.87	1100.50	446.68	155.31	149.13	53.78	2.80	PASS
6225.00†	6067.55	1268.37	438.87	6224.57	6096.51	1120.45	454.50	155.37	151.54	54.89	2.78	PASS
6325.00†	6164.73	1290.68	446.59	6324.54	6194.16	1140.39	462.32	155.42	153.95	55.99	2.77	PASS
6425.00†	6261.90	1312.99	454.31	6424.51	6291.81	1160.33	470.14	155.48	156.37	57.10	2.76	PASS
6525.00†	6359.07	1335.30	462.03	6524.48	6389.46	1180.28	477.97	155.53	158.78	58.22	2.75	PASS
6625.00†	6456.25	1357.61	469.75	6622.07	6484.23	1199.63	490.30	153.91	161.76	59.37	2.75	PASS
6725.00†	6553.42	1379.92	477.47	6715.65	6572.43	1217.62	515.58	147.79	167.80	60.71	2.78	PASS
6770.11	6597.25	1389.99	480.95	6755.74	6608.92	1225.06	530.40	143.99	172.58	61.35	2.83	PASS
6825.00†	6650.35	1402.17	487.54	6803.02	6650.68	1233.57	550.86	122.02	180.10	62.05	2.92	PASS
6925.00†	6744.88	1423.86	511.48	6886.81	6720.61	1247.80	594.64	95.31	196.21	63.17	3.13	PASS
7025.00†	6834.60	1444.41	550.31	6968.04	6782.46	1260.38	645.68	79.36	213.73	64.25	3.35	PASS
7125.00†	6917.30	1463.34	603.05	7047.20	6836.15	1271.28	702.75	69.03	231.11	64.96	3.59	PASS
7225.00†	6990.95	1480.16	668.41	7124.70	6881.59	1280.50	764.80	61.98	247.22	65.49	3.80	PASS
7325.00†	7053.73	1494.48	744.79	7200.91	6918.76	1288.01	830.85	57.05	261.25	66.10	3.98	PASS
7425.00†	7104.09	1505.93	830.30	7276.13	6947.61	1293.82	900.03	53.65	272.66	66.85	4.11	PASS
7525.00†	7140.80	1514.24	922.83	7350.64	6968.11	1297.93	971.50	51.42	281.04	67.87	4.17	PASS
7625.00†	7162.95	1519.20	1020.12	7424.69	6980.24	1300.32	1044.47	50.15	286.15	69.23	4.17	PASS
7724.04	7170.00	1520.68	1118.80	7497.80	6984.00	1301.00	1117.44	49.75	287.85	70.86	4.09	PASS
7725.00†	7170.00	1520.68	1119.76	7498.57	6984.00	1301.00	1118.20	49.75	287.85	70.88	4.09	PASS
7825.00†	7169.55	1520.44	1219.75	7598.57	6983.44	1300.76	1218.20	49.73	287.92	74.96	3.87	PASS
7925.00†	7169.10	1520.20	1319.75	7698.57	6982.88	1300.53	1318.20	49.71	287.98	79.44	3.65	PASS
8025.00†	7168.65	1519.96	1419.75	7798.57	6982.32	1300.30	1418.20	49.70	288.05	84.30	3.44	PASS
8125.00†	7168.20	1519.73	1519.75	7898.57	6981.77	1300.06	1518.20	49.68	288.12	89.47	3.24	PASS
8225.00†	7167.75	1519.49	1619.75	7998.57	6981.21	1299.83	1618.20	49.66	288.18	94.90	3.05	PASS
8325.00†	7167.30	1519.25	1719.75	8098.57	6980.65	1299.60	1718.19	49.64	288.25	100.54	2.88	PASS
8425.00†	7166.85	1519.01	1819.75	8198.57	6980.09	1299.36	1818.19	49.63	288.32	106.38	2.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7166.40	1518.77	1919.75	8298.57	6979.53	1299.13	1918.19	49.61	288.38	112.36	2.58	PASS
8625.00†	7165.95	1518.53	2019.74	8398.57	6978.98	1298.90	2018.19	49.59	288.45	118.47	2.44	PASS
8725.00†	7165.51	1518.30	2119.74	8498.57	6978.42	1298.66	2118.19	49.58	288.52	124.70	2.32	PASS
8825.00†	7165.06	1518.06	2219.74	8598.57	6977.86	1298.43	2218.18	49.56	288.58	131.01	2.21	PASS
8925.00†	7164.61	1517.82	2319.74	8698.57	6977.30	1298.20	2318.18	49.54	288.65	137.41	2.11	PASS
9025.00†	7164.16	1517.58	2419.74	8798.57	6976.74	1297.96	2418.18	49.52	288.72	143.87	2.01	PASS
9125.00†	7163.71	1517.34	2519.74	8898.57	6976.19	1297.73	2518.18	49.51	288.78	150.40	1.92	PASS
9225.00†	7163.26	1517.10	2619.74	8998.57	6975.63	1297.50	2618.18	49.49	288.85	156.97	1.84	PASS
9325.00†	7162.81	1516.87	2719.73	9098.57	6975.07	1297.26	2718.17	49.47	288.92	163.59	1.77	PASS
9425.00†	7162.36	1516.63	2819.73	9198.57	6974.51	1297.03	2818.17	49.46	288.99	170.25	1.70	PASS
9525.00†	7161.91	1516.39	2919.73	9298.57	6973.95	1296.80	2918.17	49.44	289.05	176.94	1.64	PASS
9625.00†	7161.46	1516.15	3019.73	9398.57	6973.40	1296.56	3018.17	49.42	289.12	183.67	1.58	PASS
9725.00†	7161.01	1515.91	3119.73	9498.56	6972.84	1296.33	3118.17	49.40	289.19	190.42	1.52	PASS
9825.00†	7160.57	1515.67	3219.73	9598.56	6972.28	1296.10	3218.17	49.39	289.25	197.19	1.47	PASS
9925.00†	7160.12	1515.44	3319.73	9698.56	6971.72	1295.86	3318.16	49.37	289.32	203.99	1.42	PASS
10025.00†	7159.67	1515.20	3419.73	9798.56	6971.16	1295.63	3418.16	49.35	289.39	210.80	1.37	PASS
10125.00†	7159.22	1514.96	3519.72	9898.56	6970.61	1295.40	3518.16	49.34	289.46	217.63	1.33	PASS
10225.00†	7158.77	1514.72	3619.72	9998.56	6970.05	1295.16	3618.16	49.32	289.52	224.47	1.29	PASS
10325.00†	7158.32	1514.48	3719.72	10098.56	6969.49	1294.93	3718.16	49.30	289.59	231.33	1.25	PASS
10425.00†	7157.87	1514.24	3819.72	10198.56	6968.93	1294.70	3818.15	49.29	289.66	238.19	1.22	PASS
10525.00†	7157.42	1514.01	3919.72	10298.56	6968.37	1294.46	3918.15	49.27	289.73	245.07	1.18	PASS
10625.00†	7156.97	1513.77	4019.72	10398.56	6967.82	1294.23	4018.15	49.25	289.79	251.96	1.15	PASS
10725.00†	7156.52	1513.53	4119.72	10498.56	6967.26	1293.99	4118.15	49.24	289.86	258.86	1.12	PASS
10825.00†	7156.08	1513.29	4219.72	10598.56	6966.70	1293.76	4218.15	49.22	289.93	265.76	1.09	PASS
10925.00†	7155.63	1513.05	4319.71	10698.56	6966.14	1293.53	4318.14	49.20	290.00	272.67	1.06	PASS
11025.00†	7155.18	1512.81	4419.71	10798.56	6965.58	1293.29	4418.14	49.18	290.06	279.58	1.04	PASS
11125.00†	7154.73	1512.58	4519.71	10898.56	6965.03	1293.06	4518.14	49.17	290.13	286.50	1.01	PASS
11225.00†	7154.28	1512.34	4619.71	10998.56	6964.47	1292.83	4618.14	49.15	290.20	293.43	0.99	FAIL
11325.00†	7153.83	1512.10	4719.71	11098.56	6963.91	1292.59	4718.14	49.13	290.27	300.36	0.97	FAIL
11425.00†	7153.38	1511.86	4819.71	11198.56	6963.35	1292.36	4818.14	49.12	290.33	307.29	0.94	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.93	1511.62	4919.71	11298.56	6962.79	1292.13	4918.13	49.10	290.40	314.22	0.92	FAIL
11625.00†	7152.48	1511.38	5019.71	11398.56	6962.24	1291.89	5018.13	49.08	290.47	321.16	0.90	FAIL
11725.00†	7152.03	1511.15	5119.70	11498.56	6961.68	1291.66	5118.13	49.07	290.54	328.10	0.89	FAIL
11825.00†	7151.58	1510.91	5219.70	11598.56	6961.12	1291.43	5218.13	49.05	290.60	335.04	0.87	FAIL
11925.00†	7151.14	1510.67	5319.70	11698.56	6960.56	1291.19	5318.13	49.03	290.67	341.98	0.85	FAIL
12025.00†	7150.69	1510.43	5419.70	11798.56	6960.00	1290.96	5418.12	49.02	290.74	348.93	0.83	FAIL
12125.00†	7150.24	1510.19	5519.70	11898.56	6959.45	1290.73	5518.12	49.00	290.81	355.87	0.82	FAIL
12225.00†	7149.79	1509.95	5619.70	11998.56	6958.89	1290.49	5618.12	48.98	290.87	362.82	0.80	FAIL
12325.00†	7149.34	1509.72	5719.70	12098.56	6958.33	1290.26	5718.12	48.96	290.94	369.77	0.79	FAIL
12425.00†	7148.89	1509.48	5819.69	12198.56	6957.77	1290.03	5818.12	48.95	291.01	376.71	0.77	FAIL
12525.00†	7148.44	1509.24	5919.69	12298.56	6957.21	1289.79	5918.11	48.93	291.08	383.66	0.76	FAIL
12625.00†	7147.99	1509.00	6019.69	12398.56	6956.66	1289.56	6018.11	48.91	291.15	390.61	0.74	FAIL
12725.00†	7147.54	1508.76	6119.69	12498.56	6956.10	1289.33	6118.11	48.90	291.21	397.55	0.73	FAIL
12825.00†	7147.09	1508.52	6219.69	12598.56	6955.54	1289.09	6218.11	48.88	291.28	404.50	0.72	FAIL
12925.00†	7146.65	1508.28	6319.69	12698.56	6954.98	1288.86	6318.11	48.86	291.35	411.44	0.71	FAIL
13025.00†	7146.20	1508.05	6419.69	12798.56	6954.42	1288.63	6418.10	48.85	291.42	418.39	0.70	FAIL
13125.00†	7145.75	1507.81	6519.69	12898.56	6953.87	1288.39	6518.10	48.83	291.49	425.33	0.68	FAIL
13225.00†	7145.30	1507.57	6619.68	12998.56	6953.31	1288.16	6618.10	48.81	291.55	432.28	0.67	FAIL
13325.00†	7144.85	1507.33	6719.68	13098.56	6952.75	1287.93	6718.10	48.80	291.62	439.22	0.66	FAIL
13425.00†	7144.40	1507.09	6819.68	13198.56	6952.19	1287.69	6818.10	48.78	291.69	446.16	0.65	FAIL
13525.00†	7143.95	1506.85	6919.68	13298.56	6951.63	1287.46	6918.10	48.76	291.76	453.10	0.64	FAIL
13625.00†	7143.50	1506.62	7019.68	13398.56	6951.08	1287.22	7018.09	48.75	291.83	460.04	0.63	FAIL
13725.00†	7143.05	1506.38	7119.68	13498.56	6950.52	1286.99	7118.09	48.73	291.89	466.98	0.62	FAIL
13825.00†	7142.60	1506.14	7219.68	13598.56	6949.96	1286.76	7218.09	48.71	291.96	473.91	0.62	FAIL
13925.00†	7142.15	1505.90	7319.68	13698.56	6949.40	1286.52	7318.09	48.70	292.03	480.84	0.61	FAIL
14025.00†	7141.71	1505.66	7419.67	13798.56	6948.84	1286.29	7418.09	48.68	292.10	487.78	0.60	FAIL
14125.00†	7141.26	1505.42	7519.67	13898.56	6948.29	1286.06	7518.08	48.66	292.17	494.71	0.59	FAIL
14225.00†	7140.81	1505.19	7619.67	13998.56	6947.73	1285.82	7618.08	48.65	292.24	501.64	0.58	FAIL
14325.00†	7140.36	1504.95	7719.67	14098.56	6947.17	1285.59	7718.08	48.63	292.30	508.56	0.57	FAIL
14425.00†	7139.91	1504.71	7819.67	14198.56	6946.61	1285.36	7818.08	48.61	292.37	515.49	0.57	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7139.46	1504.47	7919.67	14298.56	6946.05	1285.12	7918.08	48.60	292.44	522.41	0.56	FAIL
14625.00†	7139.01	1504.23	8019.67	14398.56	6945.50	1284.89	8018.07	48.58	292.51	529.33	0.55	FAIL
14725.00†	7138.56	1503.99	8119.67	14498.56	6944.94	1284.66	8118.07	48.56	292.58	536.25	0.54	FAIL
14825.00†	7138.11	1503.76	8219.66	14598.56	6944.38	1284.42	8218.07	48.55	292.65	543.17	0.54	FAIL
14925.00†	7137.66	1503.52	8319.66	14698.56	6943.82	1284.19	8318.07	48.53	292.71	550.09	0.53	FAIL
15025.00†	7137.22	1503.28	8419.66	14798.56	6943.26	1283.96	8418.07	48.51	292.78	557.00	0.53	FAIL
15072.98	7137.00	1503.17	8467.64	14845.98	6943.00	1283.85	8465.49	48.51	292.82	560.26	0.52	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	9.16	69.43	36.39
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.89	0.00	9.16	69.43	36.39
8.5in Open Hole	1750.00	14845.98	13095.98	1725.89	6943.00	69.43	36.39	391.32	2584.86

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



Clearance Report
TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	5424.58	77.64	5553.35	50.20	112.78	PASS
125.00†	125.00	0.00	0.00	114.00	125.00	1188.96	5424.58	77.64	5553.35	50.51	112.07	PASS
200.00	200.00	0.00	0.00	189.00	200.00	1188.96	5424.58	77.64	5553.35	51.21	110.50	PASS
225.00†	225.00	0.10	0.04	214.00	225.00	1188.96	5424.58	58.55	5553.29	51.55	109.76	PASS
325.00†	324.96	2.58	0.89	313.96	324.96	1188.96	5424.58	58.60	5551.93	53.30	106.07	PASS
425.00†	424.77	8.35	2.89	413.77	424.77	1188.96	5424.58	58.71	5548.75	55.64	101.47	PASS
525.00†	524.30	17.40	6.02	513.30	524.30	1188.96	5424.58	58.88	5543.76	58.43	96.46	PASS
625.00†	623.44	29.74	10.29	612.44	623.44	1188.96	5424.58	59.11	5537.00	61.57	91.35	PASS
725.00†	722.07	45.33	15.69	711.07	722.07	1188.96	5424.58	59.40	5528.47	64.96	86.37	PASS
825.00†	820.05	64.17	22.20	809.05	820.05	1188.96	5424.58	59.75	5518.22	68.56	81.62	PASS
882.76	876.31	76.52	26.48	865.31	876.31	1188.96	5424.58	59.99	5511.53	70.71	79.01	PASS
925.00†	917.36	85.95	29.74	906.36	917.36	1188.96	5424.58	60.07	5506.44	72.29	77.19	PASS
1025.00†	1014.53	108.26	37.46	1003.53	1014.53	1188.96	5424.58	60.28	5494.45	76.15	73.06	PASS
1125.00†	1111.71	130.57	45.18	1100.71	1111.71	1188.96	5424.58	60.49	5482.53	80.13	69.24	PASS
1225.00†	1208.88	152.88	52.90	1197.88	1208.88	1188.96	5424.58	60.70	5470.69	84.20	65.71	PASS
1325.00†	1306.05	175.19	60.62	1295.05	1306.05	1188.96	5424.58	60.91	5458.92	88.35	62.46	PASS
1425.00†	1403.23	197.50	68.34	1392.23	1403.23	1188.96	5424.58	61.13	5447.23	92.57	59.45	PASS
1525.00†	1500.40	219.81	76.06	1489.40	1500.40	1188.96	5424.58	61.34	5435.62	96.85	56.68	PASS
1625.00†	1597.57	242.12	83.78	1586.57	1597.57	1188.96	5424.58	61.55	5424.08	101.18	54.11	PASS
1725.00†	1694.75	264.43	91.50	1683.75	1694.75	1188.96	5424.58	61.77	5412.63	105.57	51.74	PASS
1825.00†	1791.92	286.74	99.21	1780.92	1791.92	1188.96	5424.58	61.99	5401.25	109.60	49.59	PASS
1925.00†	1889.10	309.05	106.93	1878.10	1889.10	1188.96	5424.58	62.20	5389.95	113.80	47.65	PASS
2025.00†	1986.27	331.36	114.65	1975.27	1986.27	1188.96	5424.58	62.42	5378.73	118.03	45.84	PASS
2125.00†	2083.44	353.67	122.37	2072.44	2083.44	1188.96	5424.58	62.64	5367.60	122.28	44.15	PASS
2225.00†	2180.62	375.98	130.09	2169.62	2180.62	1188.96	5424.58	62.86	5356.54	126.56	42.56	PASS
2325.00†	2277.79	398.29	137.81	2266.79	2277.79	1188.96	5424.58	63.08	5345.57	130.86	41.07	PASS
2425.00†	2374.96	420.60	145.53	2363.96	2374.96	1188.96	5424.58	63.30	5334.67	135.19	39.66	PASS
2525.00†	2472.14	442.91	153.25	2461.14	2472.14	1188.96	5424.58	63.52	5323.86	139.54	38.34	PASS
2625.00†	2569.31	465.22	160.97	2558.31	2569.31	1188.96	5424.58	63.74	5313.13	143.91	37.10	PASS
2725.00†	2666.48	487.53	168.69	2655.48	2666.48	1188.96	5424.58	63.97	5302.49	148.30	35.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2752.66	2763.66	1188.96	5424.58	64.19	5291.93	152.70	34.81	PASS
2925.00†	2860.83	532.15	184.13	2849.83	2860.83	1188.96	5424.58	64.42	5281.45	157.13	33.76	PASS
3025.00†	2958.00	554.46	191.85	2947.00	2958.00	1188.96	5424.58	64.64	5271.06	161.57	32.76	PASS
3125.00†	3055.18	576.77	199.57	3044.18	3055.18	1188.96	5424.58	64.87	5260.75	166.03	31.82	PASS
3225.00†	3152.35	599.08	207.29	3141.35	3152.35	1188.96	5424.58	65.10	5250.53	170.50	30.92	PASS
3325.00†	3249.52	621.39	215.01	3238.52	3249.52	1188.96	5424.58	65.33	5240.40	174.99	30.06	PASS
3425.00†	3346.70	643.70	222.73	3335.70	3346.70	1188.96	5424.58	65.56	5230.35	179.49	29.25	PASS
3525.00†	3443.87	666.01	230.45	3432.87	3443.87	1188.96	5424.58	65.79	5220.39	184.01	28.48	PASS
3625.00†	3541.04	688.32	238.17	3530.04	3541.04	1188.96	5424.58	66.02	5210.52	188.54	27.74	PASS
3725.00†	3638.22	710.63	245.88	3627.22	3638.22	1188.96	5424.58	66.25	5200.74	193.08	27.03	PASS
3825.00†	3735.39	732.94	253.60	3724.39	3735.39	1188.96	5424.58	66.48	5191.04	197.64	26.36	PASS
3925.00†	3832.56	755.25	261.32	3821.56	3832.56	1188.96	5424.58	66.72	5181.44	202.20	25.71	PASS
4025.00†	3929.74	777.56	269.04	3918.74	3929.74	1188.96	5424.58	66.95	5171.92	206.78	25.09	PASS
4125.00†	4026.91	799.87	276.76	4015.91	4026.91	1188.96	5424.58	67.18	5162.50	211.37	24.50	PASS
4225.00†	4124.08	822.18	284.48	4113.08	4124.08	1188.96	5424.58	67.42	5153.17	215.97	23.94	PASS
4325.00†	4221.26	844.49	292.20	4210.26	4221.26	1188.96	5424.58	67.66	5143.92	220.58	23.39	PASS
4425.00†	4318.43	866.80	299.92	4307.43	4318.43	1188.96	5424.58	67.90	5134.77	225.20	22.87	PASS
4525.00†	4415.60	889.11	307.64	4404.60	4415.60	1188.96	5424.58	68.13	5125.72	229.84	22.37	PASS
4625.00†	4512.78	911.42	315.36	4501.78	4512.78	1188.96	5424.58	68.37	5116.75	234.48	21.89	PASS
4725.00†	4609.95	933.72	323.08	4598.95	4609.95	1188.96	5424.58	68.61	5107.88	239.13	21.42	PASS
4825.00†	4707.13	956.03	330.80	4696.13	4707.13	1188.96	5424.58	68.85	5099.10	243.78	20.97	PASS
4925.00†	4804.30	978.34	338.52	4793.30	4804.30	1188.96	5424.58	69.10	5090.42	248.45	20.54	PASS
5025.00†	4901.47	1000.65	346.24	4890.47	4901.47	1188.96	5424.58	69.34	5081.83	253.13	20.13	PASS
5125.00†	4998.65	1022.96	353.96	4987.65	4998.65	1188.96	5424.58	69.58	5073.34	257.81	19.73	PASS
5225.00†	5095.82	1045.27	361.68	5084.82	5095.82	1188.96	5424.58	69.83	5064.94	262.50	19.34	PASS
5325.00†	5192.99	1067.58	369.40	5181.99	5192.99	1188.96	5424.58	70.07	5056.64	267.20	18.97	PASS
5425.00†	5290.17	1089.89	377.12	5279.17	5290.17	1188.96	5424.58	70.32	5048.44	271.90	18.61	PASS
5525.00†	5387.34	1112.20	384.84	5376.34	5387.34	1188.96	5424.58	70.56	5040.33	276.62	18.27	PASS
5625.00†	5484.51	1134.51	392.56	5473.51	5484.51	1188.96	5424.58	70.81	5032.32	281.34	17.93	PASS
5725.00†	5581.69	1156.82	400.27	5570.69	5581.69	1188.96	5424.58	71.06	5024.41	286.06	17.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5667.86	5678.86	1188.96	5424.58	71.31	5016.60	290.79	17.29	PASS
5925.00†	5776.03	1201.44	415.71	5765.03	5776.03	1188.96	5424.58	71.56	5008.88	295.53	16.99	PASS
6025.00†	5873.21	1223.75	423.43	5862.21	5873.21	1188.96	5424.58	71.81	5001.27	300.27	16.69	PASS
6125.00†	5970.38	1246.06	431.15	5959.38	5970.38	1188.96	5424.58	72.06	4993.75	305.02	16.41	PASS
6225.00†	6067.55	1268.37	438.87	6056.55	6067.55	1188.96	5424.58	72.31	4986.34	309.78	16.13	PASS
6325.00†	6164.73	1290.68	446.59	6153.73	6164.73	1188.96	5424.58	72.56	4979.03	314.54	15.86	PASS
6425.00†	6261.90	1312.99	454.31	6250.90	6261.90	1188.96	5424.58	72.81	4971.82	319.30	15.60	PASS
6525.00†	6359.07	1335.30	462.03	6348.07	6359.07	1188.96	5424.58	73.07	4964.71	324.07	15.35	PASS
6625.00†	6456.25	1357.61	469.75	6445.25	6456.25	1188.96	5424.58	73.32	4957.70	328.85	15.11	PASS
6725.00†	6553.42	1379.92	477.47	6542.42	6553.42	1188.96	5424.58	73.58	4950.79	333.63	14.87	PASS
6770.11	6597.25	1389.99	480.95	6586.25	6597.25	1188.96	5424.58	73.69	4947.71	335.78	14.76	PASS
6825.00†	6650.35	1402.17	487.54	6639.35	6650.35	1188.96	5424.58	57.09	4941.64	338.42	14.63	PASS
6925.00†	6744.88	1423.86	511.48	6733.88	6744.88	1188.96	5424.58	38.84	4918.71	343.46	14.35	PASS
7025.00†	6834.60	1444.41	550.31	6823.60	6834.60	1188.96	5424.58	29.75	4880.96	348.72	14.02	PASS
7125.00†	6917.30	1463.34	603.05	6906.30	6917.30	1188.96	5424.58	24.99	4829.33	353.50	13.69	PASS
7225.00†	6990.95	1480.16	668.41	6979.95	6990.95	1188.96	5424.58	22.58	4765.08	357.73	13.34	PASS
7325.00†	7053.73	1494.48	744.79	7042.73	7053.73	1188.96	5424.58	21.77	4689.75	361.32	13.00	PASS
7425.00†	7104.09	1505.93	830.30	7093.09	7104.09	1188.96	5424.58	22.53	4605.20	364.18	12.67	PASS
7525.00†	7140.80	1514.24	922.83	7129.80	7140.80	1188.96	5424.58	25.80	4513.48	366.27	12.34	PASS
7625.00†	7162.95	1519.20	1020.12	7151.95	7162.95	1188.96	5424.58	36.37	4416.82	367.55	12.04	PASS
7724.04	7170.00	1520.68	1118.80	7159.00	7170.00	1188.96	5424.58	93.44	4318.54	368.03	11.75	PASS
7725.00†	7170.00	1520.68	1119.76	7159.00	7170.00	1188.96	5424.58	93.44	4317.59	368.04	11.75	PASS
7825.00†	7169.55	1520.44	1219.75	7158.55	7169.55	1188.96	5424.58	93.36	4217.87	368.13	11.48	PASS
7925.00†	7169.10	1520.20	1319.75	7158.10	7169.10	1188.96	5424.58	93.28	4118.17	368.23	11.20	PASS
8025.00†	7168.65	1519.96	1419.75	7157.65	7168.65	1188.96	5424.58	93.20	4018.48	368.34	10.93	PASS
8125.00†	7168.20	1519.73	1519.75	7157.20	7168.20	1188.96	5424.58	93.12	3918.81	368.46	10.65	PASS
8225.00†	7167.75	1519.49	1619.75	7156.75	7167.75	1188.96	5424.58	93.04	3819.16	368.59	10.38	PASS
8325.00†	7167.30	1519.25	1719.75	7156.30	7167.30	1188.96	5424.58	92.96	3719.53	368.74	10.10	PASS
8425.00†	7166.85	1519.01	1819.75	7155.85	7166.85	1188.96	5424.58	92.88	3619.91	368.90	9.83	PASS
8525.00†	7166.40	1518.77	1919.75	7155.40	7166.40	1188.96	5424.58	92.80	3520.32	369.08	9.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	7154.95	7165.95	1188.96	5424.58	92.72	3420.75	369.27	9.28	PASS
8725.00†	7165.51	1518.30	2119.74	7154.51	7165.51	1188.96	5424.58	92.64	3321.21	369.49	9.00	PASS
8825.00†	7165.06	1518.06	2219.74	7154.06	7165.06	1188.96	5424.58	92.56	3221.69	369.73	8.73	PASS
8925.00†	7164.61	1517.82	2319.74	7153.61	7164.61	1188.96	5424.58	92.48	3122.21	369.99	8.45	PASS
9025.00†	7164.16	1517.58	2419.74	7153.16	7164.16	1188.96	5424.58	92.40	3022.76	370.28	8.18	PASS
9125.00†	7163.71	1517.34	2519.74	7152.71	7163.71	1188.96	5424.58	92.32	2923.34	370.60	7.90	PASS
9225.00†	7163.26	1517.10	2619.74	7152.26	7163.26	1188.96	5424.58	92.24	2823.97	370.95	7.63	PASS
9325.00†	7162.81	1516.87	2719.73	7151.81	7162.81	1188.96	5424.58	92.16	2724.65	371.35	7.35	PASS
9425.00†	7162.36	1516.63	2819.73	7151.36	7162.36	1188.96	5424.58	92.08	2625.37	371.79	7.07	PASS
9525.00†	7161.91	1516.39	2919.73	7150.91	7161.91	1188.96	5424.58	92.01	2526.16	372.28	6.80	PASS
9625.00†	7161.46	1516.15	3019.73	7150.46	7161.46	1188.96	5424.58	91.93	2427.00	372.84	6.52	PASS
9725.00†	7161.01	1515.91	3119.73	7150.01	7161.01	1188.96	5424.58	91.85	2327.92	373.46	6.24	PASS
9825.00†	7160.57	1515.67	3219.73	7149.57	7160.57	1188.96	5424.58	91.77	2228.93	374.17	5.97	PASS
9925.00†	7160.12	1515.44	3319.73	7149.12	7160.12	1188.96	5424.58	91.69	2130.02	374.97	5.69	PASS
10025.00†	7159.67	1515.20	3419.73	7148.67	7159.67	1188.96	5424.58	91.61	2031.22	375.87	5.41	PASS
10125.00†	7159.22	1514.96	3519.72	7148.22	7159.22	1188.96	5424.58	91.53	1932.55	376.91	5.14	PASS
10225.00†	7158.77	1514.72	3619.72	7147.77	7158.77	1188.96	5424.58	91.45	1834.02	378.11	4.86	PASS
10325.00†	7158.32	1514.48	3719.72	7147.32	7158.32	1188.96	5424.58	91.37	1735.66	379.49	4.58	PASS
10425.00†	7157.87	1514.24	3819.72	7146.87	7157.87	1188.96	5424.58	91.29	1637.49	381.09	4.30	PASS
10525.00†	7157.42	1514.01	3919.72	7146.42	7157.42	1188.96	5424.58	91.21	1539.57	382.97	4.03	PASS
10625.00†	7156.97	1513.77	4019.72	7145.97	7156.97	1188.96	5424.58	91.13	1441.92	385.17	3.75	PASS
10725.00†	7156.52	1513.53	4119.72	7145.52	7156.52	1188.96	5424.58	91.05	1344.62	387.78	3.47	PASS
10825.00†	7156.08	1513.29	4219.72	7145.08	7156.08	1188.96	5424.58	90.97	1247.75	390.90	3.20	PASS
10925.00†	7155.63	1513.05	4319.71	7144.63	7155.63	1188.96	5424.58	90.89	1151.42	394.66	2.92	PASS
11025.00†	7155.18	1512.81	4419.71	7144.18	7155.18	1188.96	5424.58	90.81	1055.77	399.22	2.65	PASS
11125.00†	7154.73	1512.58	4519.71	7143.73	7154.73	1188.96	5424.58	90.73	961.00	404.83	2.38	PASS
11225.00†	7154.28	1512.34	4619.71	7143.28	7154.28	1188.96	5424.58	90.65	867.40	411.79	2.11	PASS
11325.00†	7153.83	1512.10	4719.71	7142.83	7153.83	1188.96	5424.58	90.57	775.41	420.53	1.85	PASS
11425.00†	7153.38	1511.86	4819.71	7142.38	7153.38	1188.96	5424.58	90.49	685.67	431.62	1.59	PASS
11525.00†	7152.93	1511.62	4919.71	7141.93	7152.93	1188.96	5424.58	90.41	599.17	445.81	1.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	7141.48	7152.48	1188.96	5424.58	90.33	517.57	463.96	1.12	PASS
11725.00†	7152.03	1511.15	5119.70	7141.03	7152.03	1188.96	5424.58	90.25	443.57	486.67	0.91	FAIL
11825.00†	7151.58	1510.91	5219.70	7140.58	7151.58	1188.96	5424.58	90.17	381.61	513.02	0.74	FAIL
11925.00†	7151.14	1510.67	5319.70	7140.14	7151.14	1188.96	5424.58	90.09	338.38	537.82	0.63	FAIL
12025.00†	7150.69	1510.43	5419.70	7139.69	7150.69	1188.96	5424.58	90.01	321.51	550.39	0.58	FAIL
12031.04†	7150.66	1510.42	5425.74	7139.03	7150.03	1188.96	5424.58	89.89	321.46	550.49	0.58	FAIL
12032.95†	7150.65	1510.41	5427.65	7139.65	7150.65	1188.96	5424.58	90.00	321.47	550.56	0.58	FAIL
12125.00†	7150.24	1510.19	5519.70	7139.24	7150.24	1188.96	5424.58	89.92	335.02	543.18	0.62	FAIL
12225.00†	7149.79	1509.95	5619.70	7138.79	7149.79	1188.96	5424.58	89.84	375.65	521.74	0.72	FAIL
12325.00†	7149.34	1509.72	5719.70	7138.34	7149.34	1188.96	5424.58	89.76	435.87	496.87	0.88	FAIL
12425.00†	7148.89	1509.48	5819.69	7137.89	7148.89	1188.96	5424.58	89.68	508.77	474.64	1.07	PASS
12525.00†	7148.44	1509.24	5919.69	7137.44	7148.44	1188.96	5424.58	89.60	589.68	456.56	1.29	PASS
12625.00†	7147.99	1509.00	6019.69	7136.99	7147.99	1188.96	5424.58	89.52	675.71	442.26	1.53	PASS
12725.00†	7147.54	1508.76	6119.69	7136.54	7147.54	1188.96	5424.58	89.44	765.15	431.00	1.78	PASS
12825.00†	7147.09	1508.52	6219.69	7136.09	7147.09	1188.96	5424.58	89.36	856.93	422.06	2.03	PASS
12925.00†	7146.65	1508.28	6319.69	7135.65	7146.65	1188.96	5424.58	89.28	950.36	414.89	2.29	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 3 AWB Offset Wellpath: EX. BARNEY 3 AWP	
MD Reference: Rig on SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, 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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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	0.04	225.07	225.07	0.11	-30.02	-109.08	30.06	2.43	19.79	PASS
325.00†	324.96	2.58	0.89	325.36	325.32	2.64	-29.30	-108.98	30.19	3.10	13.67	PASS
425.00†	424.77	8.35	2.89	425.65	425.41	8.54	-27.61	-108.76	30.51	3.93	9.95	PASS
525.00†	524.30	17.40	6.02	525.93	525.23	17.81	-24.97	-108.41	31.00	4.77	7.90	PASS
625.00†	623.44	29.74	10.29	626.22	624.65	30.43	-21.36	-107.95	31.68	5.67	6.52	PASS
725.00†	722.07	45.33	15.69	726.49	723.54	46.39	-16.81	-107.40	32.54	6.71	5.50	PASS
825.00†	820.05	64.17	22.20	826.77	821.78	65.67	-11.30	-106.78	33.58	7.90	4.70	PASS
882.76	876.31	76.52	26.48	884.68	878.18	78.30	-7.69	-106.39	34.27	8.68	4.32	PASS
925.00†	917.36	85.95	29.74	927.03	919.25	88.23	-4.86	-105.61	34.72	9.24	4.08	PASS
1025.00†	1014.53	108.26	37.46	1027.18	1015.73	114.04	2.51	-99.88	35.44	10.68	3.55	PASS
1125.00†	1111.71	130.57	45.18	1127.02	1111.12	142.40	10.61	-89.97	36.54	12.32	3.13	PASS
1225.00†	1208.88	152.88	52.90	1226.80	1206.36	171.00	18.77	-80.49	38.72	14.00	2.90	PASS
1325.00†	1306.05	175.19	60.62	1326.59	1301.61	199.61	26.94	-72.21	41.83	15.56	2.80	PASS
1425.00†	1403.23	197.50	68.34	1426.37	1396.85	228.21	35.11	-65.20	45.69	16.94	2.80	PASS
1525.00†	1500.40	219.81	76.06	1526.15	1492.10	256.81	43.27	-59.35	50.13	18.16	2.86	PASS
1625.00†	1597.57	242.12	83.78	1625.93	1587.34	285.41	51.44	-54.49	55.00	19.26	2.95	PASS
1725.00†	1694.75	264.43	91.50	1725.72	1682.59	314.02	59.61	-50.45	60.20	20.27	3.07	PASS
1825.00†	1791.92	286.74	99.21	1825.50	1777.84	342.62	67.78	-47.06	65.65	20.31	3.31	PASS
1925.00†	1889.10	309.05	106.93	1925.28	1873.08	371.22	75.94	-44.20	71.29	20.06	3.65	PASS
2025.00†	1986.27	331.36	114.65	2025.06	1968.33	399.83	84.11	-41.76	77.09	19.94	3.97	PASS
2125.00†	2083.44	353.67	122.37	2124.84	2063.57	428.43	92.28	-39.67	83.01	19.93	4.28	PASS
2225.00†	2180.62	375.98	130.09	2224.63	2158.82	457.03	100.44	-37.85	89.02	20.03	4.57	PASS
2325.00†	2277.79	398.29	137.81	2324.41	2254.06	485.64	108.61	-36.27	95.11	20.23	4.83	PASS
2425.00†	2374.96	420.60	145.53	2424.19	2349.31	514.24	116.78	-34.88	101.26	20.53	5.07	PASS
2525.00†	2472.14	442.91	153.25	2523.97	2444.55	542.84	124.94	-33.65	107.47	20.92	5.28	PASS
2625.00†	2569.31	465.22	160.97	2623.76	2539.80	571.45	133.11	-32.55	113.72	21.38	5.47	PASS
2725.00†	2666.48	487.53	168.69	2723.54	2635.04	600.05	141.28	-31.57	120.01	21.91	5.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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†	2763.66	509.84	176.41	2823.32	2730.29	628.65	149.44	-30.68	126.32	22.51	5.76	PASS
2925.00†	2860.83	532.15	184.13	2923.10	2825.53	657.26	157.61	-29.88	132.67	23.16	5.88	PASS
3025.00†	2958.00	554.46	191.85	3022.88	2920.78	685.86	165.78	-29.16	139.04	23.87	5.97	PASS
3125.00†	3055.18	576.77	199.57	3122.67	3016.02	714.46	173.94	-28.50	145.43	24.62	6.05	PASS
3225.00†	3152.35	599.08	207.29	3222.45	3111.27	743.07	182.11	-27.89	151.84	25.41	6.12	PASS
3325.00†	3249.52	621.39	215.01	3322.23	3206.51	771.67	190.28	-27.33	158.26	26.23	6.17	PASS
3425.00†	3346.70	643.70	222.73	3422.01	3301.76	800.27	198.45	-26.82	164.70	27.09	6.22	PASS
3525.00†	3443.87	666.01	230.45	3521.79	3397.00	828.87	206.61	-26.34	171.15	27.98	6.25	PASS
3625.00†	3541.04	688.32	238.17	3621.58	3492.25	857.48	214.78	-25.90	177.61	28.90	6.28	PASS
3725.00†	3638.22	710.63	245.88	3721.36	3587.49	886.08	222.95	-25.49	184.08	29.83	6.30	PASS
3825.00†	3735.39	732.94	253.60	3821.14	3682.74	914.68	231.11	-25.11	190.55	30.79	6.31	PASS
3925.00†	3832.56	755.25	261.32	3920.92	3777.98	943.29	239.28	-24.75	197.04	31.77	6.32	PASS
4025.00†	3929.74	777.56	269.04	4020.71	3873.23	971.89	247.45	-24.42	203.53	32.76	6.33	PASS
4125.00†	4026.91	799.87	276.76	4120.49	3968.47	1000.49	255.61	-24.10	210.03	33.77	6.33	PASS
4225.00†	4124.08	822.18	284.48	4220.27	4063.72	1029.10	263.78	-23.81	216.54	34.79	6.33	PASS
4325.00†	4221.26	844.49	292.20	4320.05	4158.96	1057.70	271.95	-23.53	223.05	35.82	6.33	PASS
4425.00†	4318.43	866.80	299.92	4419.83	4254.21	1086.30	280.11	-23.27	229.57	36.87	6.33	PASS
4525.00†	4415.60	889.11	307.64	4519.62	4349.45	1114.91	288.28	-23.02	236.09	37.92	6.33	PASS
4625.00†	4512.78	911.42	315.36	4619.40	4444.70	1143.51	296.45	-22.79	242.61	38.99	6.32	PASS
4725.00†	4609.95	933.72	323.08	4719.18	4539.94	1172.11	304.62	-22.57	249.14	40.06	6.31	PASS
4825.00†	4707.13	956.03	330.80	4818.96	4635.19	1200.72	312.78	-22.36	255.67	41.14	6.31	PASS
4925.00†	4804.30	978.34	338.52	4918.74	4730.43	1229.32	320.95	-22.16	262.21	42.23	6.30	PASS
5025.00†	4901.47	1000.65	346.24	5018.53	4825.68	1257.92	329.12	-21.97	268.75	43.32	6.29	PASS
5125.00†	4998.65	1022.96	353.96	5118.31	4920.93	1286.53	337.28	-21.78	275.29	44.42	6.28	PASS
5225.00†	5095.82	1045.27	361.68	5218.09	5016.17	1315.13	345.45	-21.61	281.83	45.53	6.27	PASS
5325.00†	5192.99	1067.58	369.40	5317.87	5111.42	1343.73	353.62	-21.45	288.38	46.64	6.26	PASS
5425.00†	5290.17	1089.89	377.12	5417.66	5206.66	1372.33	361.78	-21.29	294.93	47.75	6.25	PASS
5525.00†	5387.34	1112.20	384.84	5517.44	5301.91	1400.94	369.95	-21.14	301.48	48.87	6.24	PASS
5625.00†	5484.51	1134.51	392.56	5617.22	5397.15	1429.54	378.12	-20.99	308.03	50.00	6.23	PASS
5725.00†	5581.69	1156.82	400.27	5717.00	5492.40	1458.14	386.28	-20.86	314.58	51.13	6.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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†	5678.86	1179.13	407.99	5816.78	5587.64	1486.75	394.45	-20.72	321.14	52.26	6.22	PASS
5925.00†	5776.03	1201.44	415.71	5916.57	5682.89	1515.35	402.62	-20.60	327.70	53.39	6.21	PASS
6025.00†	5873.21	1223.75	423.43	6016.35	5778.13	1543.95	410.78	-20.47	334.26	54.53	6.20	PASS
6125.00†	5970.38	1246.06	431.15	6116.13	5873.38	1572.56	418.95	-20.35	340.82	55.67	6.19	PASS
6225.00†	6067.55	1268.37	438.87	6215.91	5968.62	1601.16	427.12	-20.24	347.38	56.81	6.18	PASS
6325.00†	6164.73	1290.68	446.59	6315.69	6063.87	1629.76	435.29	-20.13	353.94	57.96	6.17	PASS
6425.00†	6261.90	1312.99	454.31	6415.48	6159.11	1658.37	443.45	-20.03	360.51	59.11	6.16	PASS
6525.00†	6359.07	1335.30	462.03	6515.26	6254.36	1686.97	451.62	-19.93	367.07	60.26	6.15	PASS
6625.00†	6456.25	1357.61	469.75	6615.04	6349.60	1715.57	459.79	-19.83	373.64	61.41	6.14	PASS
6725.00†	6553.42	1379.92	477.47	6714.82	6444.85	1744.18	467.95	-19.73	380.21	62.57	6.13	PASS
6770.11	6597.25	1389.99	480.95	6759.83	6487.81	1757.08	471.64	-19.69	383.17	63.09	6.13	PASS
6825.00†	6650.35	1402.17	487.54	6814.55	6540.04	1772.76	476.12	-36.43	386.83	63.74	6.13	PASS
6925.00†	6744.88	1423.86	511.48	6914.05	6634.97	1801.27	484.75	-56.62	394.00	65.02	6.12	PASS
7025.00†	6834.60	1444.41	550.31	7018.01	6732.39	1830.51	505.70	-68.31	401.88	66.57	6.09	PASS
7125.00†	6917.30	1463.34	603.05	7125.64	6828.41	1859.31	544.51	-75.67	410.03	68.43	6.04	PASS
7225.00†	6990.95	1480.16	668.41	7237.05	6919.76	1886.68	601.84	-80.74	418.04	70.65	5.97	PASS
7325.00†	7053.73	1494.48	744.79	7352.21	7002.64	1911.48	677.61	-84.38	425.46	73.40	5.84	PASS
7425.00†	7104.09	1505.93	830.30	7470.86	7072.95	1932.49	770.64	-86.99	431.83	76.85	5.66	PASS
7525.00†	7140.80	1514.24	922.83	7592.49	7126.61	1948.47	878.40	-88.77	436.73	81.04	5.43	PASS
7625.00†	7162.95	1519.20	1020.12	7716.27	7160.09	1958.38	996.95	-89.80	439.81	86.02	5.15	PASS
7724.04	7170.00	1520.68	1118.80	7840.00	7171.00	1961.51	1119.96	-90.13	440.83	90.84	4.88	PASS
7725.00†	7170.00	1520.68	1119.76	7841.00	7171.00	1961.50	1120.96	-90.13	440.83	90.90	4.88	PASS
7825.00†	7169.55	1520.44	1219.75	7941.00	7170.51	1961.23	1220.96	-90.13	440.79	96.55	4.59	PASS
7925.00†	7169.10	1520.20	1319.75	8041.00	7170.02	1960.96	1320.96	-90.12	440.76	102.74	4.31	PASS
8025.00†	7168.65	1519.96	1419.75	8141.00	7169.53	1960.68	1420.96	-90.11	440.72	109.36	4.05	PASS
8125.00†	7168.20	1519.73	1519.75	8241.00	7169.04	1960.41	1520.96	-90.11	440.69	116.34	3.80	PASS
8225.00†	7167.75	1519.49	1619.75	8341.00	7168.55	1960.14	1620.96	-90.10	440.65	123.63	3.58	PASS
8325.00†	7167.30	1519.25	1719.75	8441.00	7168.06	1959.87	1720.95	-90.10	440.62	131.16	3.37	PASS
8425.00†	7166.85	1519.01	1819.75	8541.00	7167.57	1959.59	1820.95	-90.09	440.58	138.90	3.18	PASS
8525.00†	7166.40	1518.77	1919.75	8641.00	7167.08	1959.32	1920.95	-90.09	440.55	146.82	3.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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†	7165.95	1518.53	2019.74	8741.00	7166.59	1959.05	2020.95	-90.08	440.51	154.89	2.85	PASS
8725.00†	7165.51	1518.30	2119.74	8841.00	7166.10	1958.77	2120.95	-90.08	440.48	163.08	2.71	PASS
8825.00†	7165.06	1518.06	2219.74	8941.00	7165.61	1958.50	2220.95	-90.07	440.44	171.38	2.58	PASS
8925.00†	7164.61	1517.82	2319.74	9041.00	7165.12	1958.23	2320.94	-90.07	440.41	179.78	2.46	PASS
9025.00†	7164.16	1517.58	2419.74	9141.00	7164.63	1957.95	2420.94	-90.06	440.38	188.25	2.34	PASS
9125.00†	7163.71	1517.34	2519.74	9241.00	7164.14	1957.68	2520.94	-90.06	440.34	196.80	2.24	PASS
9225.00†	7163.26	1517.10	2619.74	9341.00	7163.65	1957.41	2620.94	-90.05	440.31	205.41	2.15	PASS
9325.00†	7162.81	1516.87	2719.73	9441.00	7163.16	1957.14	2720.94	-90.05	440.27	214.07	2.06	PASS
9425.00†	7162.36	1516.63	2819.73	9541.00	7162.67	1956.86	2820.94	-90.04	440.24	222.78	1.98	PASS
9525.00†	7161.91	1516.39	2919.73	9641.00	7162.18	1956.59	2920.94	-90.04	440.20	231.53	1.90	PASS
9625.00†	7161.46	1516.15	3019.73	9741.00	7161.69	1956.32	3020.93	-90.03	440.17	240.32	1.83	PASS
9725.00†	7161.01	1515.91	3119.73	9841.00	7161.20	1956.04	3120.93	-90.03	440.13	249.14	1.77	PASS
9825.00†	7160.57	1515.67	3219.73	9941.00	7160.71	1955.77	3220.93	-90.02	440.10	257.99	1.71	PASS
9925.00†	7160.12	1515.44	3319.73	10041.00	7160.22	1955.50	3320.93	-90.01	440.06	266.88	1.65	PASS
10025.00†	7159.67	1515.20	3419.73	10141.00	7159.73	1955.23	3420.93	-90.01	440.03	275.78	1.60	PASS
10125.00†	7159.22	1514.96	3519.72	10241.00	7159.24	1954.95	3520.93	-90.00	440.00	284.71	1.55	PASS
10225.00†	7158.77	1514.72	3619.72	10341.00	7158.75	1954.68	3620.92	-90.00	439.96	293.66	1.50	PASS
10325.00†	7158.32	1514.48	3719.72	10441.00	7158.26	1954.41	3720.92	-89.99	439.93	302.62	1.45	PASS
10425.00†	7157.87	1514.24	3819.72	10541.00	7157.78	1954.13	3820.92	-89.99	439.89	311.61	1.41	PASS
10525.00†	7157.42	1514.01	3919.72	10641.00	7157.29	1953.86	3920.92	-89.98	439.86	320.60	1.37	PASS
10625.00†	7156.97	1513.77	4019.72	10741.00	7156.80	1953.59	4020.92	-89.98	439.82	329.62	1.34	PASS
10725.00†	7156.52	1513.53	4119.72	10841.00	7156.31	1953.31	4120.92	-89.97	439.79	338.64	1.30	PASS
10825.00†	7156.08	1513.29	4219.72	10941.00	7155.82	1953.04	4220.91	-89.97	439.75	347.68	1.27	PASS
10925.00†	7155.63	1513.05	4319.71	11041.00	7155.33	1952.77	4320.91	-89.96	439.72	356.73	1.23	PASS
11025.00†	7155.18	1512.81	4419.71	11141.00	7154.84	1952.50	4420.91	-89.96	439.68	365.79	1.20	PASS
11125.00†	7154.73	1512.58	4519.71	11241.00	7154.35	1952.22	4520.91	-89.95	439.65	374.86	1.17	PASS
11225.00†	7154.28	1512.34	4619.71	11341.00	7153.86	1951.95	4620.91	-89.95	439.62	383.93	1.15	PASS
11325.00†	7153.83	1512.10	4719.71	11441.00	7153.37	1951.68	4720.91	-89.94	439.58	393.02	1.12	PASS
11425.00†	7153.38	1511.86	4819.71	11541.00	7152.88	1951.40	4820.91	-89.94	439.55	402.11	1.09	PASS
11525.00†	7152.93	1511.62	4919.71	11641.00	7152.39	1951.13	4920.90	-89.93	439.51	411.21	1.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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†	7152.48	1511.38	5019.71	11741.00	7151.90	1950.86	5020.90	-89.92	439.48	420.32	1.05	PASS
11725.00†	7152.03	1511.15	5119.70	11841.00	7151.41	1950.59	5120.90	-89.92	439.44	429.43	1.02	PASS
11825.00†	7151.58	1510.91	5219.70	11941.00	7150.92	1950.31	5220.90	-89.91	439.41	438.55	1.00	PASS
11925.00†	7151.14	1510.67	5319.70	12041.00	7150.43	1950.04	5320.90	-89.91	439.37	447.68	0.98	FAIL
12025.00†	7150.69	1510.43	5419.70	12141.00	7149.94	1949.77	5420.90	-89.90	439.34	456.81	0.96	FAIL
12125.00†	7150.24	1510.19	5519.70	12241.00	7149.45	1949.49	5520.89	-89.90	439.30	465.94	0.94	FAIL
12225.00†	7149.79	1509.95	5619.70	12341.00	7148.96	1949.22	5620.89	-89.89	439.27	475.08	0.92	FAIL
12325.00†	7149.34	1509.72	5719.70	12441.00	7148.47	1948.95	5720.89	-89.89	439.24	484.23	0.91	FAIL
12425.00†	7148.89	1509.48	5819.69	12541.00	7147.98	1948.68	5820.89	-89.88	439.20	493.38	0.89	FAIL
12525.00†	7148.44	1509.24	5919.69	12641.00	7147.49	1948.40	5920.89	-89.88	439.17	502.53	0.87	FAIL
12625.00†	7147.99	1509.00	6019.69	12741.00	7147.00	1948.13	6020.89	-89.87	439.13	511.68	0.86	FAIL
12725.00†	7147.54	1508.76	6119.69	12841.00	7146.51	1947.86	6120.88	-89.87	439.10	520.84	0.84	FAIL
12825.00†	7147.09	1508.52	6219.69	12941.00	7146.02	1947.58	6220.88	-89.86	439.06	530.00	0.83	FAIL
12925.00†	7146.65	1508.28	6319.69	13041.00	7145.53	1947.31	6320.88	-89.86	439.03	539.17	0.81	FAIL
13025.00†	7146.20	1508.05	6419.69	13141.00	7145.04	1947.04	6420.88	-89.85	438.99	548.34	0.80	FAIL
13125.00†	7145.75	1507.81	6519.69	13241.00	7144.55	1946.76	6520.88	-89.84	438.96	557.51	0.79	FAIL
13225.00†	7145.30	1507.57	6619.68	13341.00	7144.06	1946.49	6620.88	-89.84	438.93	566.68	0.77	FAIL
13325.00†	7144.85	1507.33	6719.68	13441.00	7143.57	1946.22	6720.87	-89.83	438.89	575.86	0.76	FAIL
13425.00†	7144.40	1507.09	6819.68	13541.00	7143.08	1945.95	6820.87	-89.83	438.86	585.04	0.75	FAIL
13525.00†	7143.95	1506.85	6919.68	13641.00	7142.60	1945.67	6920.87	-89.82	438.82	594.22	0.74	FAIL
13625.00†	7143.50	1506.62	7019.68	13741.00	7142.11	1945.40	7020.87	-89.82	438.79	603.40	0.73	FAIL
13725.00†	7143.05	1506.38	7119.68	13841.00	7141.62	1945.13	7120.87	-89.81	438.75	612.59	0.72	FAIL
13825.00†	7142.60	1506.14	7219.68	13941.00	7141.13	1944.85	7220.87	-89.81	438.72	621.78	0.71	FAIL
13925.00†	7142.15	1505.90	7319.68	14041.00	7140.64	1944.58	7320.87	-89.80	438.68	630.97	0.69	FAIL
14025.00†	7141.71	1505.66	7419.67	14141.00	7140.15	1944.31	7420.86	-89.80	438.65	640.16	0.68	FAIL
14125.00†	7141.26	1505.42	7519.67	14241.00	7139.66	1944.04	7520.86	-89.79	438.62	649.35	0.68	FAIL
14225.00†	7140.81	1505.19	7619.67	14341.00	7139.17	1943.76	7620.86	-89.79	438.58	658.55	0.67	FAIL
14325.00†	7140.36	1504.95	7719.67	14441.00	7138.68	1943.49	7720.86	-89.78	438.55	667.74	0.66	FAIL
14425.00†	7139.91	1504.71	7819.67	14541.00	7138.19	1943.22	7820.86	-89.78	438.51	676.94	0.65	FAIL
14525.00†	7139.46	1504.47	7919.67	14641.00	7137.70	1942.94	7920.86	-89.77	438.48	686.14	0.64	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 TROUDT 41C-23-M (760'FNL & 1684'FWL, SEC.27) Well: TROUDT 41C-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†	7139.01	1504.23	8019.67	14741.00	7137.21	1942.67	8020.85	-89.77	438.44	695.34	0.63	FAIL
14725.00†	7138.56	1503.99	8119.67	14841.00	7136.72	1942.40	8120.85	-89.76	438.41	704.54	0.62	FAIL
14825.00†	7138.11	1503.76	8219.66	14941.00	7136.23	1942.12	8220.85	-89.75	438.37	713.75	0.61	FAIL
14925.00†	7137.66	1503.52	8319.66	15041.00	7135.74	1941.85	8320.85	-89.75	438.34	722.95	0.61	FAIL
15025.00†	7137.22	1503.28	8419.66	15141.00	7135.25	1941.58	8420.85	-89.74	438.31	732.16	0.60	FAIL
15072.98	7137.00	1503.17	8467.64	15188.97	7135.02	1941.45	8468.82	-89.74	438.29	736.57	0.59	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41C-23-M PWB Offset Wellpath: TROUDT 41C-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 41C-23-M PWB Offset 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	-18.32	97.83	9.61
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1705.77	0.00	-18.32	97.83	9.61
8.5in Open Hole	1750.00	15192.09	13442.09	1705.77	7135.00	97.83	9.61	591.75	2573.09

SURVEY PROGRAM - Offset Wellbore: TROUDT 41C-23-M PWB Offset 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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41C-23-M PWB Offset Wellpath: TROUDT 41C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
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	31.70	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	30.05	90.00	30.05	2.29	21.86	PASS
225.00†	225.00	0.10	0.04	224.89	224.89	0.10	30.10	70.92	30.06	2.43	19.78	PASS
325.00†	324.96	2.58	0.89	324.46	324.42	2.46	31.17	71.11	30.28	3.14	13.48	PASS
425.00†	424.77	8.35	2.89	424.03	423.80	7.97	33.67	71.53	30.80	4.04	9.69	PASS
525.00†	524.30	17.40	6.02	523.59	522.90	16.62	37.60	72.17	31.62	4.90	7.79	PASS
625.00†	623.44	29.74	10.29	623.15	621.61	28.40	42.96	72.98	32.75	5.80	6.58	PASS
725.00†	722.07	45.33	15.69	722.79	719.91	43.24	49.70	74.05	34.15	6.77	5.71	PASS
825.00†	820.05	64.17	22.20	822.74	818.33	59.11	56.92	78.86	35.12	7.74	5.04	PASS
882.76	876.31	76.52	26.48	880.41	875.10	68.27	61.08	84.03	35.59	8.36	4.68	PASS
925.00†	917.36	85.95	29.74	922.56	916.61	74.97	64.12	88.39	36.10	8.88	4.44	PASS
1025.00†	1014.53	108.26	37.46	1022.34	1014.87	90.81	71.32	98.06	38.09	10.23	4.01	PASS
1125.00†	1111.71	130.57	45.18	1122.13	1113.12	106.66	78.52	106.56	41.06	11.61	3.77	PASS
1225.00†	1208.88	152.88	52.90	1221.91	1211.37	122.51	85.73	113.78	44.79	12.89	3.68	PASS
1325.00†	1306.05	175.19	60.62	1321.69	1309.63	138.35	92.93	119.82	49.13	14.06	3.68	PASS
1425.00†	1403.23	197.50	68.34	1421.48	1407.88	154.20	100.13	124.83	53.92	15.13	3.74	PASS
1525.00†	1500.40	219.81	76.06	1521.26	1506.13	170.05	107.33	129.00	59.05	16.13	3.83	PASS
1625.00†	1597.57	242.12	83.78	1621.04	1604.39	185.89	114.53	132.49	64.45	17.07	3.94	PASS
1725.00†	1694.75	264.43	91.50	1720.83	1702.64	201.74	121.73	135.43	70.04	17.96	4.06	PASS
1825.00†	1791.92	286.74	99.21	1820.61	1800.90	217.59	128.94	137.93	75.80	18.07	4.33	PASS
1925.00†	1889.10	309.05	106.93	1920.40	1899.15	233.44	136.14	140.08	81.68	17.97	4.69	PASS
2025.00†	1986.27	331.36	114.65	2020.18	1997.40	249.28	143.34	141.93	87.65	17.97	5.04	PASS
2125.00†	2083.44	353.67	122.37	2119.96	2095.66	265.13	150.54	143.55	93.71	18.07	5.36	PASS
2225.00†	2180.62	375.98	130.09	2219.75	2193.91	280.98	157.74	144.97	99.83	18.25	5.65	PASS
2325.00†	2277.79	398.29	137.81	2319.53	2292.17	296.82	164.94	146.23	106.01	18.52	5.91	PASS
2425.00†	2374.96	420.60	145.53	2419.31	2390.42	312.67	172.15	147.34	112.23	18.88	6.14	PASS
2525.00†	2472.14	442.91	153.25	2519.10	2488.67	328.52	179.35	148.34	118.49	19.30	6.33	PASS
2625.00†	2569.31	465.22	160.97	2618.88	2586.93	344.36	186.55	149.24	124.78	19.79	6.50	PASS
2725.00†	2666.48	487.53	168.69	2718.67	2685.18	360.21	193.75	150.05	131.10	20.35	6.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2818.45	2783.43	376.06	200.95	150.79	137.44	20.95	6.75	PASS
2925.00†	2860.83	532.15	184.13	2918.23	2881.69	391.90	208.15	151.46	143.81	21.61	6.85	PASS
3025.00†	2958.00	554.46	191.85	3018.02	2979.94	407.75	215.36	152.08	150.19	22.31	6.92	PASS
3125.00†	3055.18	576.77	199.57	3117.80	3078.20	423.60	222.56	152.64	156.59	23.05	6.98	PASS
3225.00†	3152.35	599.08	207.29	3217.58	3176.45	439.44	229.76	153.16	163.00	23.83	7.02	PASS
3325.00†	3249.52	621.39	215.01	3317.37	3274.70	455.29	236.96	153.64	169.42	24.64	7.05	PASS
3425.00†	3346.70	643.70	222.73	3417.15	3372.96	471.14	244.16	154.09	175.86	25.47	7.07	PASS
3525.00†	3443.87	666.01	230.45	3516.94	3471.21	486.98	251.36	154.50	182.30	26.33	7.09	PASS
3625.00†	3541.04	688.32	238.17	3616.72	3569.46	502.83	258.57	154.89	188.76	27.22	7.09	PASS
3725.00†	3638.22	710.63	245.88	3716.50	3667.72	518.68	265.77	155.25	195.22	28.12	7.10	PASS
3825.00†	3735.39	732.94	253.60	3816.29	3765.97	534.52	272.97	155.59	201.69	29.04	7.09	PASS
3925.00†	3832.56	755.25	261.32	3916.07	3864.23	550.37	280.17	155.91	208.16	29.98	7.09	PASS
4025.00†	3929.74	777.56	269.04	4015.85	3962.48	566.22	287.37	156.20	214.64	30.94	7.08	PASS
4125.00†	4026.91	799.87	276.76	4115.64	4060.73	582.06	294.57	156.48	221.13	31.90	7.07	PASS
4225.00†	4124.08	822.18	284.48	4215.42	4158.99	597.91	301.78	156.75	227.62	32.88	7.05	PASS
4325.00†	4221.26	844.49	292.20	4315.21	4257.24	613.76	308.98	157.00	234.12	33.87	7.04	PASS
4425.00†	4318.43	866.80	299.92	4414.99	4355.49	629.61	316.18	157.23	240.62	34.87	7.02	PASS
4525.00†	4415.60	889.11	307.64	4514.77	4453.75	645.45	323.38	157.46	247.12	35.88	7.01	PASS
4625.00†	4512.78	911.42	315.36	4614.56	4552.00	661.30	330.58	157.67	253.63	36.90	6.99	PASS
4725.00†	4609.95	933.72	323.08	4714.34	4650.26	677.15	337.78	157.87	260.14	37.93	6.97	PASS
4825.00†	4707.13	956.03	330.80	4814.12	4748.51	692.99	344.99	158.06	266.66	38.96	6.95	PASS
4925.00†	4804.30	978.34	338.52	4913.91	4846.76	708.84	352.19	158.24	273.17	40.00	6.94	PASS
5025.00†	4901.47	1000.65	346.24	5013.69	4945.02	724.69	359.39	158.42	279.69	41.04	6.92	PASS
5125.00†	4998.65	1022.96	353.96	5113.48	5043.27	740.53	366.59	158.58	286.21	42.09	6.90	PASS
5225.00†	5095.82	1045.27	361.68	5213.26	5141.52	756.38	373.79	158.74	292.74	43.14	6.88	PASS
5325.00†	5192.99	1067.58	369.40	5313.04	5239.78	772.23	381.00	158.89	299.27	44.20	6.86	PASS
5425.00†	5290.17	1089.89	377.12	5412.83	5338.03	788.07	388.20	159.04	305.79	45.27	6.85	PASS
5525.00†	5387.34	1112.20	384.84	5512.61	5436.29	803.92	395.40	159.18	312.32	46.33	6.83	PASS
5625.00†	5484.51	1134.51	392.56	5612.39	5534.54	819.77	402.60	159.31	318.86	47.40	6.81	PASS
5725.00†	5581.69	1156.82	400.27	5712.18	5632.79	835.61	409.80	159.44	325.39	48.48	6.80	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5811.96	5731.05	851.46	417.00	159.56	331.93	49.56	6.78	PASS
5925.00†	5776.03	1201.44	415.71	5911.75	5829.30	867.31	424.21	159.68	338.46	50.64	6.76	PASS
6025.00†	5873.21	1223.75	423.43	6011.53	5927.56	883.15	431.41	159.79	345.00	51.72	6.75	PASS
6125.00†	5970.38	1246.06	431.15	6111.31	6025.81	899.00	438.61	159.90	351.54	52.80	6.73	PASS
6225.00†	6067.55	1268.37	438.87	6211.10	6124.06	914.85	445.81	160.01	358.08	53.89	6.72	PASS
6325.00†	6164.73	1290.68	446.59	6310.88	6222.32	930.69	453.01	160.11	364.62	54.98	6.70	PASS
6425.00†	6261.90	1312.99	454.31	6410.66	6320.57	946.54	460.21	160.21	371.17	56.08	6.69	PASS
6525.00†	6359.07	1335.30	462.03	6510.45	6418.82	962.39	467.42	160.30	377.71	57.17	6.68	PASS
6625.00†	6456.25	1357.61	469.75	6610.23	6517.08	978.24	474.62	160.40	384.25	58.27	6.66	PASS
6725.00†	6553.42	1379.92	477.47	6709.72	6614.98	994.02	482.59	160.37	390.81	59.37	6.65	PASS
6770.11	6597.25	1389.99	480.95	6754.06	6658.19	1000.98	489.53	159.86	393.84	59.93	6.64	PASS
6825.00†	6650.35	1402.17	487.54	6807.41	6709.42	1009.23	501.89	141.89	397.62	60.51	6.64	PASS
6925.00†	6744.88	1423.86	511.48	6903.40	6798.33	1023.50	534.87	121.21	404.58	61.87	6.60	PASS
7025.00†	6834.60	1444.41	550.31	6997.97	6880.17	1036.61	580.24	109.76	411.43	63.40	6.55	PASS
7125.00†	6917.30	1463.34	603.05	7091.32	6953.58	1048.33	636.57	102.70	417.93	65.16	6.47	PASS
7225.00†	6990.95	1480.16	668.41	7183.62	7017.41	1058.49	702.35	97.95	423.87	67.38	6.35	PASS
7325.00†	7053.73	1494.48	744.79	7275.06	7070.73	1066.93	776.05	94.64	429.03	70.26	6.16	PASS
7425.00†	7104.09	1505.93	830.30	7365.82	7112.83	1073.54	856.09	92.32	433.25	73.85	5.91	PASS
7525.00†	7140.80	1514.24	922.83	7456.07	7143.13	1078.24	940.89	90.77	436.38	78.08	5.63	PASS
7625.00†	7162.95	1519.20	1020.12	7545.98	7161.26	1080.96	1028.84	89.89	438.33	82.80	5.33	PASS
7724.04	7170.00	1520.68	1118.80	7634.90	7167.00	1081.68	1117.50	89.61	439.01	87.69	5.04	PASS
7725.00†	7170.00	1520.68	1119.76	7635.86	7167.00	1081.68	1118.46	89.61	439.02	87.74	5.04	PASS
7825.00†	7169.55	1520.44	1219.75	7735.86	7166.61	1081.38	1218.46	89.62	439.07	93.59	4.72	PASS
7925.00†	7169.10	1520.20	1319.75	7835.86	7166.23	1081.09	1318.46	89.63	439.12	99.96	4.42	PASS
8025.00†	7168.65	1519.96	1419.75	7935.86	7165.85	1080.80	1418.45	89.64	439.18	106.75	4.13	PASS
8125.00†	7168.20	1519.73	1519.75	8035.86	7165.47	1080.50	1518.45	89.64	439.23	113.89	3.87	PASS
8225.00†	7167.75	1519.49	1619.75	8135.86	7165.09	1080.21	1618.45	89.65	439.29	121.31	3.64	PASS
8325.00†	7167.30	1519.25	1719.75	8235.86	7164.71	1079.92	1718.45	89.66	439.34	128.98	3.42	PASS
8425.00†	7166.85	1519.01	1819.75	8335.86	7164.33	1079.63	1818.45	89.67	439.39	136.84	3.22	PASS
8525.00†	7166.40	1518.77	1919.75	8435.86	7163.95	1079.33	1918.45	89.68	439.45	144.87	3.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	8535.86	7163.56	1079.04	2018.45	89.69	439.50	153.04	2.88	PASS
8725.00†	7165.51	1518.30	2119.74	8635.86	7163.18	1078.75	2118.45	89.70	439.56	161.32	2.73	PASS
8825.00†	7165.06	1518.06	2219.74	8735.86	7162.80	1078.45	2218.44	89.71	439.61	169.71	2.60	PASS
8925.00†	7164.61	1517.82	2319.74	8835.86	7162.42	1078.16	2318.44	89.72	439.67	178.18	2.47	PASS
9025.00†	7164.16	1517.58	2419.74	8935.86	7162.04	1077.87	2418.44	89.72	439.72	186.73	2.36	PASS
9125.00†	7163.71	1517.34	2519.74	9035.86	7161.66	1077.57	2518.44	89.73	439.77	195.34	2.26	PASS
9225.00†	7163.26	1517.10	2619.74	9135.86	7161.28	1077.28	2618.44	89.74	439.83	204.00	2.16	PASS
9325.00†	7162.81	1516.87	2719.73	9235.86	7160.90	1076.99	2718.44	89.75	439.88	212.72	2.07	PASS
9425.00†	7162.36	1516.63	2819.73	9335.86	7160.52	1076.70	2818.44	89.76	439.94	221.48	1.99	PASS
9525.00†	7161.91	1516.39	2919.73	9435.86	7160.13	1076.40	2918.44	89.77	439.99	230.28	1.91	PASS
9625.00†	7161.46	1516.15	3019.73	9535.86	7159.75	1076.11	3018.44	89.78	440.05	239.12	1.84	PASS
9725.00†	7161.01	1515.91	3119.73	9635.86	7159.37	1075.82	3118.43	89.79	440.10	247.98	1.78	PASS
9825.00†	7160.57	1515.67	3219.73	9735.86	7158.99	1075.52	3218.43	89.80	440.16	256.87	1.72	PASS
9925.00†	7160.12	1515.44	3319.73	9835.86	7158.61	1075.23	3318.43	89.80	440.21	265.79	1.66	PASS
10025.00†	7159.67	1515.20	3419.73	9935.86	7158.23	1074.94	3418.43	89.81	440.26	274.73	1.60	PASS
10125.00†	7159.22	1514.96	3519.72	10035.86	7157.85	1074.64	3518.43	89.82	440.32	283.69	1.55	PASS
10225.00†	7158.77	1514.72	3619.72	10135.86	7157.47	1074.35	3618.43	89.83	440.37	292.67	1.51	PASS
10325.00†	7158.32	1514.48	3719.72	10235.86	7157.09	1074.06	3718.43	89.84	440.43	301.66	1.46	PASS
10425.00†	7157.87	1514.24	3819.72	10335.86	7156.70	1073.77	3818.43	89.85	440.48	310.67	1.42	PASS
10525.00†	7157.42	1514.01	3919.72	10435.86	7156.32	1073.47	3918.42	89.86	440.54	319.70	1.38	PASS
10625.00†	7156.97	1513.77	4019.72	10535.86	7155.94	1073.18	4018.42	89.87	440.59	328.74	1.34	PASS
10725.00†	7156.52	1513.53	4119.72	10635.86	7155.56	1072.89	4118.42	89.88	440.65	337.78	1.31	PASS
10825.00†	7156.08	1513.29	4219.72	10735.86	7155.18	1072.59	4218.42	89.88	440.70	346.84	1.27	PASS
10925.00†	7155.63	1513.05	4319.71	10835.86	7154.80	1072.30	4318.42	89.89	440.75	355.91	1.24	PASS
11025.00†	7155.18	1512.81	4419.71	10935.86	7154.42	1072.01	4418.42	89.90	440.81	364.99	1.21	PASS
11125.00†	7154.73	1512.58	4519.71	11035.86	7154.04	1071.71	4518.42	89.91	440.86	374.08	1.18	PASS
11225.00†	7154.28	1512.34	4619.71	11135.86	7153.65	1071.42	4618.42	89.92	440.92	383.18	1.15	PASS
11325.00†	7153.83	1512.10	4719.71	11235.86	7153.27	1071.13	4718.41	89.93	440.97	392.28	1.12	PASS
11425.00†	7153.38	1511.86	4819.71	11335.86	7152.89	1070.84	4818.41	89.94	441.03	401.39	1.10	PASS
11525.00†	7152.93	1511.62	4919.71	11435.86	7152.51	1070.54	4918.41	89.95	441.08	410.51	1.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	11535.86	7152.13	1070.25	5018.41	89.95	441.14	419.63	1.05	PASS
11725.00†	7152.03	1511.15	5119.70	11635.86	7151.75	1069.96	5118.41	89.96	441.19	428.76	1.03	PASS
11825.00†	7151.58	1510.91	5219.70	11735.86	7151.37	1069.66	5218.41	89.97	441.25	437.89	1.01	PASS
11925.00†	7151.14	1510.67	5319.70	11835.86	7150.99	1069.37	5318.41	89.98	441.30	447.03	0.99	FAIL
12025.00†	7150.69	1510.43	5419.70	11935.86	7150.61	1069.08	5418.41	89.99	441.36	456.17	0.97	FAIL
12125.00†	7150.24	1510.19	5519.70	12035.86	7150.22	1068.78	5518.41	90.00	441.41	465.32	0.95	FAIL
12225.00†	7149.79	1509.95	5619.70	12135.86	7149.84	1068.49	5618.40	90.01	441.46	474.47	0.93	FAIL
12325.00†	7149.34	1509.72	5719.70	12235.86	7149.46	1068.20	5718.40	90.02	441.52	483.63	0.91	FAIL
12425.00†	7148.89	1509.48	5819.69	12335.86	7149.08	1067.90	5818.40	90.03	441.57	492.79	0.90	FAIL
12525.00†	7148.44	1509.24	5919.69	12435.86	7148.70	1067.61	5918.40	90.03	441.63	501.95	0.88	FAIL
12625.00†	7147.99	1509.00	6019.69	12535.86	7148.32	1067.32	6018.40	90.04	441.68	511.12	0.86	FAIL
12725.00†	7147.54	1508.76	6119.69	12635.86	7147.94	1067.03	6118.40	90.05	441.74	520.29	0.85	FAIL
12825.00†	7147.09	1508.52	6219.69	12735.86	7147.56	1066.73	6218.40	90.06	441.79	529.46	0.83	FAIL
12925.00†	7146.65	1508.28	6319.69	12835.86	7147.18	1066.44	6318.40	90.07	441.85	538.63	0.82	FAIL
13025.00†	7146.20	1508.05	6419.69	12935.86	7146.79	1066.15	6418.39	90.08	441.90	547.81	0.81	FAIL
13125.00†	7145.75	1507.81	6519.69	13035.86	7146.41	1065.85	6518.39	90.09	441.96	556.99	0.79	FAIL
13225.00†	7145.30	1507.57	6619.68	13135.86	7146.03	1065.56	6618.39	90.10	442.01	566.17	0.78	FAIL
13325.00†	7144.85	1507.33	6719.68	13235.86	7145.65	1065.27	6718.39	90.10	442.07	575.36	0.77	FAIL
13425.00†	7144.40	1507.09	6819.68	13335.86	7145.27	1064.97	6818.39	90.11	442.12	584.55	0.76	FAIL
13525.00†	7143.95	1506.85	6919.68	13435.86	7144.89	1064.68	6918.39	90.12	442.18	593.74	0.74	FAIL
13625.00†	7143.50	1506.62	7019.68	13535.86	7144.51	1064.39	7018.39	90.13	442.23	602.93	0.73	FAIL
13725.00†	7143.05	1506.38	7119.68	13635.86	7144.13	1064.10	7118.39	90.14	442.29	612.12	0.72	FAIL
13825.00†	7142.60	1506.14	7219.68	13735.86	7143.75	1063.80	7218.39	90.15	442.34	621.32	0.71	FAIL
13925.00†	7142.15	1505.90	7319.68	13835.86	7143.36	1063.51	7318.38	90.16	442.40	630.51	0.70	FAIL
14025.00†	7141.71	1505.66	7419.67	13935.86	7142.98	1063.22	7418.38	90.17	442.45	639.71	0.69	FAIL
14125.00†	7141.26	1505.42	7519.67	14035.86	7142.60	1062.92	7518.38	90.17	442.50	648.91	0.68	FAIL
14225.00†	7140.81	1505.19	7619.67	14135.86	7142.22	1062.63	7618.38	90.18	442.56	658.11	0.67	FAIL
14325.00†	7140.36	1504.95	7719.67	14235.86	7141.84	1062.34	7718.38	90.19	442.61	667.32	0.66	FAIL
14425.00†	7139.91	1504.71	7819.67	14335.86	7141.46	1062.04	7818.38	90.20	442.67	676.52	0.65	FAIL
14525.00†	7139.46	1504.47	7919.67	14435.86	7141.08	1061.75	7918.38	90.21	442.72	685.73	0.65	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7139.01	1504.23	8019.67	14535.86	7140.70	1061.46	8018.38	90.22	442.78	694.93	0.64	FAIL
14725.00†	7138.56	1503.99	8119.67	14635.86	7140.31	1061.17	8118.37	90.23	442.83	704.14	0.63	FAIL
14825.00†	7138.11	1503.76	8219.66	14735.86	7139.93	1060.87	8218.37	90.24	442.89	713.35	0.62	FAIL
14925.00†	7137.66	1503.52	8319.66	14835.86	7139.55	1060.58	8318.37	90.24	442.94	722.56	0.61	FAIL
15025.00†	7137.22	1503.28	8419.66	14935.86	7139.17	1060.29	8418.37	90.25	443.00	731.77	0.60	FAIL
15072.98	7137.00	1503.17	8467.64	14980.82	7139.00	1060.15	8463.34	90.26	443.04	735.93	0.60	FAIL

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	18.32	62.90	46.91
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.37	0.00	18.32	62.90	46.91
8.5in Open Hole	1750.00	14980.82	13230.82	1731.37	7139.00	62.90	46.91	323.14	2588.78

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40C-23-M PWB Offset Wellpath: TROUDT 40C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14306.84	6985.83	1748.09	-29.36	-0.96	7177.03	133.68	54.05	PASS
125.00†	125.00	0.00	0.00	14307.08	6985.83	1748.09	-29.12	-0.95	7080.09	134.96	52.81	PASS
200.00	200.00	0.00	0.00	14307.26	6985.83	1748.09	-28.94	-0.95	7007.43	135.56	52.04	PASS
225.00†	225.00	0.10	0.04	14307.34	6985.83	1748.09	-28.86	-20.72	6983.20	135.76	51.78	PASS
325.00†	324.96	2.58	0.89	14308.05	6985.83	1748.09	-28.15	-23.93	6885.85	136.53	50.77	PASS
425.00†	424.77	8.35	2.89	14309.40	6985.84	1748.09	-26.80	-28.17	6787.87	137.24	49.78	PASS
525.00†	524.30	17.40	6.02	14311.39	6985.85	1748.10	-24.81	-33.96	6689.38	137.87	48.84	PASS
625.00†	623.44	29.74	10.29	14314.03	6985.86	1748.10	-22.17	-42.13	6590.46	138.42	47.92	PASS
725.00†	722.07	45.33	15.69	14317.32	6985.87	1748.11	-18.88	-53.91	6491.22	138.89	47.04	PASS
825.00†	820.05	64.17	22.20	14321.91	6985.89	1748.14	-14.29	-70.48	6391.76	139.26	46.20	PASS
882.76	876.31	76.52	26.48	14324.99	6985.91	1748.15	-11.21	-82.10	6334.27	139.44	45.72	PASS
925.00†	917.36	85.95	29.74	14327.36	6985.92	1748.16	-8.84	-82.00	6292.20	139.55	45.38	PASS
1025.00†	1014.53	108.26	37.46	14332.99	6985.95	1748.19	-3.21	-81.75	6192.64	139.83	44.57	PASS
1125.00†	1111.71	130.57	45.18	14338.68	6985.98	1748.22	2.48	-81.49	6093.09	140.12	43.76	PASS
1225.00†	1208.88	152.88	52.90	14344.43	6986.01	1748.25	8.23	-81.23	5993.54	140.42	42.96	PASS
1325.00†	1306.05	175.19	60.62	14350.25	6986.05	1748.28	14.05	-80.96	5893.99	140.73	42.15	PASS
1425.00†	1403.23	197.50	68.34	14356.12	6986.09	1748.31	19.92	-80.68	5794.46	141.05	41.34	PASS
1525.00†	1500.40	219.81	76.06	14362.05	6986.14	1748.35	25.85	-80.39	5694.93	141.38	40.54	PASS
1625.00†	1597.57	242.12	83.78	14368.05	6986.18	1748.38	31.85	-80.09	5595.41	141.72	39.73	PASS
1725.00†	1694.75	264.43	91.50	14374.12	6986.23	1748.42	37.91	-79.79	5495.90	142.08	38.93	PASS
1825.00†	1791.92	286.74	99.21	14380.24	6986.28	1748.46	44.04	-79.47	5396.39	142.24	38.12	PASS
1925.00†	1889.10	309.05	106.93	14386.44	6986.34	1748.50	50.23	-79.15	5296.90	142.62	37.32	PASS
2025.00†	1986.27	331.36	114.65	14392.70	6986.40	1748.54	56.50	-78.81	5197.41	143.00	36.52	PASS
2125.00†	2083.44	353.67	122.37	14399.03	6986.46	1748.58	62.82	-78.47	5097.94	143.41	35.72	PASS
2225.00†	2180.62	375.98	130.09	14405.43	6986.53	1748.63	69.22	-78.11	4998.47	143.82	34.92	PASS
2325.00†	2277.79	398.29	137.81	14413.90	6986.62	1748.69	77.69	-77.63	4899.01	144.28	34.12	PASS
2425.00†	2374.96	420.60	145.53	14423.66	6986.72	1748.77	87.46	-77.05	4799.56	144.78	33.31	PASS
2525.00†	2472.14	442.91	153.25	14433.38	6986.82	1748.86	97.17	-76.46	4700.11	145.29	32.50	PASS
2625.00†	2569.31	465.22	160.97	14443.04	6986.91	1748.96	106.83	-75.84	4600.66	145.82	31.70	PASS
2725.00†	2666.48	487.53	168.69	14452.65	6986.99	1749.07	116.44	-75.21	4501.22	146.37	30.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	14462.21	6987.07	1749.19	126.00	-74.57	4401.79	146.94	30.10	PASS
2925.00†	2860.83	532.15	184.13	14471.73	6987.15	1749.31	135.52	-73.90	4302.37	147.52	29.30	PASS
3025.00†	2958.00	554.46	191.85	14481.19	6987.22	1749.45	144.98	-73.21	4202.95	148.13	28.51	PASS
3125.00†	3055.18	576.77	199.57	14490.60	6987.29	1749.59	154.39	-72.50	4103.54	148.76	27.71	PASS
3225.00†	3152.35	599.08	207.29	14499.72	6987.35	1749.74	163.51	-71.79	4004.14	149.41	26.92	PASS
3325.00†	3249.52	621.39	215.01	14507.94	6987.40	1749.86	171.72	-71.13	3904.75	150.07	26.14	PASS
3425.00†	3346.70	643.70	222.73	14516.19	6987.46	1749.98	179.97	-70.45	3805.37	150.76	25.36	PASS
3525.00†	3443.87	666.01	230.45	14524.49	6987.53	1750.09	188.27	-69.74	3706.01	151.48	24.57	PASS
3625.00†	3541.04	688.32	238.17	14532.82	6987.60	1750.19	196.60	-69.01	3606.66	152.24	23.80	PASS
3725.00†	3638.22	710.63	245.88	14541.20	6987.67	1750.28	204.98	-68.26	3507.33	153.03	23.02	PASS
3825.00†	3735.39	732.94	253.60	14549.62	6987.75	1750.36	213.40	-67.47	3408.02	153.85	22.25	PASS
3925.00†	3832.56	755.25	261.32	14558.09	6987.83	1750.43	221.87	-66.67	3308.73	154.72	21.48	PASS
4025.00†	3929.74	777.56	269.04	14566.60	6987.92	1750.49	230.37	-65.83	3209.45	155.63	20.71	PASS
4125.00†	4026.91	799.87	276.76	14575.15	6988.01	1750.54	238.92	-64.96	3110.20	156.59	19.95	PASS
4225.00†	4124.08	822.18	284.48	14583.74	6988.11	1750.58	247.51	-64.06	3010.97	157.60	19.19	PASS
4325.00†	4221.26	844.49	292.20	14594.62	6988.24	1750.61	258.40	-62.88	2911.77	158.70	18.43	PASS
4425.00†	4318.43	866.80	299.92	14606.62	6988.36	1750.66	270.39	-61.51	2812.58	159.88	17.67	PASS
4525.00†	4415.60	889.11	307.64	14618.29	6988.47	1750.72	282.06	-60.13	2713.42	161.13	16.91	PASS
4625.00†	4512.78	911.42	315.36	14629.66	6988.55	1750.78	293.43	-58.72	2614.28	162.45	16.16	PASS
4725.00†	4609.95	933.72	323.08	14640.72	6988.62	1750.85	304.50	-57.28	2515.17	163.86	15.41	PASS
4825.00†	4707.13	956.03	330.80	14651.51	6988.68	1750.92	315.28	-55.83	2416.10	165.36	14.67	PASS
4925.00†	4804.30	978.34	338.52	14662.02	6988.72	1750.99	325.79	-54.36	2317.07	166.98	13.93	PASS
5025.00†	4901.47	1000.65	346.24	14672.27	6988.74	1751.07	336.04	-52.86	2218.09	168.71	13.20	PASS
5125.00†	4998.65	1022.96	353.96	14681.12	6988.76	1751.14	344.89	-51.53	2119.17	170.57	12.47	PASS
5225.00†	5095.82	1045.27	361.68	14689.27	6988.77	1751.20	353.04	-50.27	2020.32	172.58	11.75	PASS
5325.00†	5192.99	1067.58	369.40	14697.45	6988.79	1751.24	361.22	-48.97	1921.55	174.79	11.03	PASS
5425.00†	5290.17	1089.89	377.12	14705.66	6988.82	1751.27	369.43	-47.63	1822.88	177.21	10.32	PASS
5525.00†	5387.34	1112.20	384.84	14713.90	6988.85	1751.30	377.67	-46.25	1724.33	179.89	9.62	PASS
5625.00†	5484.51	1134.51	392.56	14722.16	6988.88	1751.31	385.93	-44.83	1625.91	182.88	8.92	PASS
5725.00†	5581.69	1156.82	400.27	14730.45	6988.91	1751.31	394.23	-43.38	1527.66	186.23	8.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14738.77	6988.95	1751.30	402.55	-41.88	1429.60	190.01	7.55	PASS
5925.00†	5776.03	1201.44	415.71	14747.13	6989.00	1751.28	410.90	-40.34	1331.78	194.34	6.87	PASS
6025.00†	5873.21	1223.75	423.43	14755.50	6989.04	1751.25	419.28	-38.77	1234.25	199.32	6.21	PASS
6125.00†	5970.38	1246.06	431.15	14763.91	6989.10	1751.20	427.68	-37.16	1137.08	205.12	5.56	PASS
6225.00†	6067.55	1268.37	438.87	14772.28	6989.15	1751.15	436.05	-35.52	1040.39	211.97	4.92	PASS
6325.00†	6164.73	1290.68	446.59	14780.63	6989.21	1751.09	444.40	-33.86	944.32	220.16	4.30	PASS
6425.00†	6261.90	1312.99	454.31	14788.98	6989.26	1751.03	452.75	-32.17	849.08	230.12	3.70	PASS
6525.00†	6359.07	1335.30	462.03	14797.32	6989.32	1750.96	461.09	-30.46	754.97	242.44	3.12	PASS
6625.00†	6456.25	1357.61	469.75	14805.66	6989.38	1750.90	469.43	-28.73	662.49	257.94	2.57	PASS
6725.00†	6553.42	1379.92	477.47	14814.00	6989.43	1750.82	477.77	-26.97	572.43	277.79	2.06	PASS
6770.11	6597.25	1389.99	480.95	14817.76	6989.46	1750.79	481.53	-26.18	532.92	288.54	1.85	PASS
6825.00†	6650.35	1402.17	487.54	14824.73	6989.51	1750.72	488.49	-24.90	486.33	303.43	1.60	PASS
6925.00†	6744.88	1423.86	511.48	14849.53	6989.69	1750.46	513.30	-74.06	408.18	335.79	1.22	PASS
7025.00†	6834.60	1444.41	550.31	14886.62	6989.99	1750.14	550.38	-84.49	342.95	372.79	0.92	FAIL
7125.00†	6917.30	1463.34	603.05	14936.71	6990.50	1750.17	600.47	-86.27	296.04	406.38	0.73	FAIL
7225.00†	6990.95	1480.16	668.41	14999.82	6991.32	1750.93	663.57	-82.22	270.81	423.72	0.64	FAIL
7281.43†	7027.82	1488.58	710.27	15040.34	6991.94	1751.81	704.08	-78.30	265.74	423.62	0.63	FAIL
7304.82†	7042.01	1491.81	728.57	15057.56	6992.19	1752.29	721.29	-76.54	265.30	421.68	0.63	FAIL
7325.00†	7053.73	1494.48	744.79	15073.12	6992.38	1752.78	736.84	-74.91	265.60	419.31	0.63	FAIL
7425.00†	7104.09	1505.93	830.30	15158.32	6992.96	1756.18	821.97	-66.53	273.94	402.72	0.68	FAIL
7525.00†	7140.80	1514.24	922.83	15230.00	6993.37	1758.07	893.62	-60.77	286.43	384.23	0.75	FAIL
7625.00†	7162.95	1519.20	1020.12	15230.00	6993.37	1758.07	893.62	-58.24	319.09	348.00	0.92	FAIL
7724.04	7170.00	1520.68	1118.80	15230.00	6993.37	1758.07	893.62	-53.13	371.83	307.82	1.21	PASS
7725.00†	7170.00	1520.68	1119.76	15230.00	6993.37	1758.07	893.62	-53.13	372.41	307.45	1.21	PASS
7825.00†	7169.55	1520.44	1219.75	15230.00	6993.37	1758.07	893.62	-53.13	440.31	271.22	1.63	PASS
7925.00†	7169.10	1520.20	1319.75	15230.00	6993.37	1758.07	893.62	-53.13	518.70	241.02	2.16	PASS
8025.00†	7168.65	1519.96	1419.75	15230.00	6993.37	1758.07	893.62	-53.13	603.52	217.23	2.78	PASS
8125.00†	7168.20	1519.73	1519.75	15230.00	6993.37	1758.07	893.62	-53.13	692.40	198.69	3.49	PASS
8225.00†	7167.75	1519.49	1619.75	15230.00	6993.37	1758.07	893.62	-53.13	783.96	184.16	4.27	PASS
8325.00†	7167.30	1519.25	1719.75	15230.00	6993.37	1758.07	893.62	-53.13	877.37	172.62	5.10	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7166.85	1519.01	1819.75	15230.00	6993.37	1758.07	893.62	-53.13	972.09	163.34	5.97	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	740.06	-4955.21	750.94	-4942.99
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1744.26	740.06	-4955.21	751.28	-4942.55
8.5in Open Hole	1750.00	15230.00	13480.00	1732.40	6993.37	750.94	-4942.99	905.39	-2205.11

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	15.33	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	0.04	225.00	225.00	0.00	-15.03	-109.48	15.06	2.44	9.55	PASS
325.00†	324.96	2.58	0.89	325.02	325.02	0.10	-14.99	-117.92	16.08	3.12	7.00	PASS
425.00†	424.77	8.35	2.89	425.23	425.23	2.61	-14.21	-127.63	18.04	4.24	5.21	PASS
525.00†	524.30	17.40	6.02	525.64	525.41	8.48	-12.37	-135.04	20.47	5.66	4.15	PASS
625.00†	623.44	29.74	10.29	626.14	625.43	17.70	-9.48	-140.59	23.23	7.03	3.67	PASS
725.00†	722.07	45.33	15.69	726.75	725.18	30.27	-5.53	-144.72	26.21	8.32	3.43	PASS
825.00†	820.05	64.17	22.20	827.49	824.51	46.21	-0.54	-147.80	29.33	9.54	3.31	PASS
882.76	876.31	76.52	26.48	885.73	881.65	56.94	2.82	-149.21	31.17	10.24	3.26	PASS
925.00†	917.36	85.95	29.74	928.35	923.33	65.49	5.51	-149.84	32.27	10.59	3.25	PASS
1025.00†	1014.53	108.26	37.46	1029.33	1021.47	88.11	12.60	-148.91	32.75	11.45	3.03	PASS
1125.00†	1111.71	130.57	45.18	1130.16	1118.59	113.97	20.70	-144.31	30.36	12.32	2.59	PASS
1225.00†	1208.88	152.88	52.90	1230.03	1214.32	141.14	29.22	-136.58	26.98	13.22	2.12	PASS
1325.00†	1306.05	175.19	60.62	1329.90	1310.04	168.30	37.74	-126.89	24.23	14.54	1.71	PASS
1425.00†	1403.23	197.50	68.34	1429.77	1405.77	195.46	46.25	-115.15	22.32	16.26	1.40	PASS
1525.00†	1500.40	219.81	76.06	1529.64	1501.50	222.63	54.77	-101.90	21.50	18.21	1.19	PASS
1625.00†	1597.57	242.12	83.78	1629.51	1597.22	249.79	63.28	-88.38	21.88	20.02	1.10	PASS
1725.00†	1694.75	264.43	91.50	1729.37	1692.95	276.95	71.80	-75.98	23.41	21.41	1.10	PASS
1825.00†	1791.92	286.74	99.21	1829.24	1788.67	304.12	80.31	-65.52	25.88	21.36	1.22	PASS
1925.00†	1889.10	309.05	106.93	1929.11	1884.40	331.28	88.83	-57.10	29.05	20.76	1.41	PASS
2025.00†	1986.27	331.36	114.65	2028.98	1980.12	358.44	97.35	-50.45	32.73	20.29	1.63	PASS
2125.00†	2083.44	353.67	122.37	2128.85	2075.85	385.61	105.86	-45.19	36.75	20.00	1.87	PASS
2225.00†	2180.62	375.98	130.09	2228.72	2171.57	412.77	114.38	-41.00	41.02	19.89	2.10	PASS
2325.00†	2277.79	398.29	137.81	2328.59	2267.30	439.93	122.89	-37.61	45.46	19.94	2.33	PASS
2425.00†	2374.96	420.60	145.53	2428.45	2363.02	467.10	131.41	-34.83	50.04	20.13	2.54	PASS
2525.00†	2472.14	442.91	153.25	2528.32	2458.75	494.26	139.92	-32.53	54.72	20.44	2.74	PASS
2625.00†	2569.31	465.22	160.97	2628.19	2554.48	521.42	148.44	-30.58	59.47	20.85	2.92	PASS
2725.00†	2666.48	487.53	168.69	2728.06	2650.20	548.59	156.95	-28.93	64.27	21.35	3.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	2827.93	2745.93	575.75	165.47	-27.51	69.13	21.93	3.22	PASS
2925.00†	2860.83	532.15	184.13	2927.80	2841.65	602.91	173.99	-26.27	74.02	22.58	3.35	PASS
3025.00†	2958.00	554.46	191.85	3027.66	2937.38	630.08	182.50	-25.19	78.94	23.29	3.46	PASS
3125.00†	3055.18	576.77	199.57	3127.53	3033.10	657.24	191.02	-24.24	83.88	24.04	3.56	PASS
3225.00†	3152.35	599.08	207.29	3227.40	3128.83	684.40	199.53	-23.39	88.85	24.84	3.65	PASS
3325.00†	3249.52	621.39	215.01	3327.27	3224.55	711.57	208.05	-22.63	93.83	25.67	3.73	PASS
3425.00†	3346.70	643.70	222.73	3427.14	3320.28	738.73	216.56	-21.95	98.83	26.54	3.80	PASS
3525.00†	3443.87	666.01	230.45	3527.01	3416.00	765.89	225.08	-21.34	103.84	27.44	3.86	PASS
3625.00†	3541.04	688.32	238.17	3626.88	3511.73	793.05	233.60	-20.78	108.86	28.37	3.91	PASS
3725.00†	3638.22	710.63	245.88	3726.74	3607.45	820.22	242.11	-20.27	113.89	29.31	3.96	PASS
3825.00†	3735.39	732.94	253.60	3826.61	3703.18	847.38	250.63	-19.80	118.93	30.28	4.00	PASS
3925.00†	3832.56	755.25	261.32	3926.48	3798.91	874.54	259.14	-19.37	123.98	31.27	4.03	PASS
4025.00†	3929.74	777.56	269.04	4026.35	3894.63	901.71	267.66	-18.98	129.03	32.27	4.07	PASS
4125.00†	4026.91	799.87	276.76	4126.22	3990.36	928.87	276.17	-18.61	134.09	33.28	4.09	PASS
4225.00†	4124.08	822.18	284.48	4226.09	4086.08	956.03	284.69	-18.27	139.15	34.31	4.12	PASS
4325.00†	4221.26	844.49	292.20	4325.96	4181.81	983.20	293.20	-17.96	144.22	35.35	4.14	PASS
4425.00†	4318.43	866.80	299.92	4425.82	4277.53	1010.36	301.72	-17.67	149.29	36.40	4.16	PASS
4525.00†	4415.60	889.11	307.64	4525.69	4373.26	1037.52	310.24	-17.39	154.36	37.46	4.18	PASS
4625.00†	4512.78	911.42	315.36	4625.56	4468.98	1064.69	318.75	-17.13	159.44	38.53	4.20	PASS
4725.00†	4609.95	933.72	323.08	4725.43	4564.71	1091.85	327.27	-16.89	164.52	39.61	4.21	PASS
4825.00†	4707.13	956.03	330.80	4825.30	4660.43	1119.01	335.78	-16.67	169.61	40.69	4.22	PASS
4925.00†	4804.30	978.34	338.52	4925.17	4756.16	1146.18	344.30	-16.45	174.70	41.78	4.24	PASS
5025.00†	4901.47	1000.65	346.24	5025.03	4851.89	1173.34	352.81	-16.25	179.78	42.88	4.25	PASS
5125.00†	4998.65	1022.96	353.96	5124.90	4947.61	1200.50	361.33	-16.06	184.88	43.98	4.26	PASS
5225.00†	5095.82	1045.27	361.68	5224.77	5043.34	1227.67	369.85	-15.88	189.97	45.09	4.26	PASS
5325.00†	5192.99	1067.58	369.40	5324.64	5139.06	1254.83	378.36	-15.71	195.06	46.20	4.27	PASS
5425.00†	5290.17	1089.89	377.12	5424.51	5234.79	1281.99	386.88	-15.55	200.16	47.32	4.28	PASS
5525.00†	5387.34	1112.20	384.84	5524.38	5330.51	1309.16	395.39	-15.40	205.26	48.44	4.29	PASS
5625.00†	5484.51	1134.51	392.56	5624.25	5426.24	1336.32	403.91	-15.25	210.36	49.56	4.29	PASS
5725.00†	5581.69	1156.82	400.27	5724.11	5521.96	1363.48	412.42	-15.11	215.46	50.69	4.30	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	5823.98	5617.69	1390.65	420.94	-14.98	220.56	51.82	4.30	PASS
5925.00†	5776.03	1201.44	415.71	5923.85	5713.41	1417.81	429.46	-14.85	225.66	52.95	4.31	PASS
6025.00†	5873.21	1223.75	423.43	6023.72	5809.14	1444.97	437.97	-14.73	230.77	54.09	4.31	PASS
6125.00†	5970.38	1246.06	431.15	6123.59	5904.86	1472.14	446.49	-14.61	235.87	55.23	4.31	PASS
6225.00†	6067.55	1268.37	438.87	6223.46	6000.59	1499.30	455.00	-14.50	240.98	56.37	4.32	PASS
6325.00†	6164.73	1290.68	446.59	6323.32	6096.32	1526.46	463.52	-14.40	246.09	57.52	4.32	PASS
6425.00†	6261.90	1312.99	454.31	6423.19	6192.04	1553.63	472.03	-14.29	251.19	58.66	4.32	PASS
6525.00†	6359.07	1335.30	462.03	6523.06	6287.77	1580.79	480.55	-14.20	256.30	59.81	4.32	PASS
6625.00†	6456.25	1357.61	469.75	6619.83	6379.81	1606.90	494.49	-12.85	261.91	60.92	4.34	PASS
6725.00†	6553.42	1379.92	477.47	6712.31	6464.93	1631.03	521.10	-8.76	269.80	61.92	4.40	PASS
6770.11	6597.25	1389.99	480.95	6751.79	6499.97	1640.96	536.33	-6.26	274.81	62.31	4.45	PASS
6825.00†	6650.35	1402.17	487.54	6798.32	6540.01	1652.30	557.12	-19.34	282.10	62.71	4.54	PASS
6925.00†	6744.88	1423.86	511.48	6880.75	6606.97	1671.26	601.21	-31.93	297.12	63.31	4.73	PASS
7025.00†	6834.60	1444.41	550.31	6960.67	6666.13	1687.99	652.18	-36.38	313.20	63.76	4.96	PASS
7125.00†	6917.30	1463.34	603.05	7038.56	6717.44	1702.49	708.89	-37.56	329.15	64.16	5.18	PASS
7225.00†	6990.95	1480.16	668.41	7114.86	6760.88	1714.75	770.34	-37.48	344.02	64.66	5.37	PASS
7325.00†	7053.73	1494.48	744.79	7189.90	6796.42	1724.76	835.62	-36.96	357.05	65.39	5.51	PASS
7425.00†	7104.09	1505.93	830.30	7263.99	6824.02	1732.51	903.90	-36.37	367.69	66.50	5.58	PASS
7525.00†	7140.80	1514.24	922.83	7337.40	6843.66	1738.00	974.38	-35.88	375.53	68.08	5.56	PASS
7625.00†	7162.95	1519.20	1020.12	7410.37	6855.33	1741.23	1046.30	-35.56	380.29	70.49	5.44	PASS
7724.04	7170.00	1520.68	1118.80	7482.44	6859.01	1742.19	1118.23	-35.46	381.82	73.23	5.26	PASS
7725.00†	7170.00	1520.68	1119.76	7483.14	6859.00	1742.19	1118.93	-35.46	381.82	73.26	5.25	PASS
7825.00†	7169.55	1520.44	1219.75	7582.88	6858.46	1741.92	1218.67	-35.45	381.87	76.60	5.02	PASS
7925.00†	7169.10	1520.20	1319.75	7682.88	6857.92	1741.64	1318.66	-35.44	381.93	80.21	4.80	PASS
8025.00†	7168.65	1519.96	1419.75	7782.88	6857.37	1741.37	1418.66	-35.42	381.99	84.05	4.57	PASS
8125.00†	7168.20	1519.73	1519.75	7882.88	6856.83	1741.10	1518.66	-35.41	382.04	88.10	4.36	PASS
8225.00†	7167.75	1519.49	1619.75	7982.88	6856.28	1740.82	1618.66	-35.40	382.10	92.33	4.16	PASS
8325.00†	7167.30	1519.25	1719.75	8082.88	6855.74	1740.55	1718.66	-35.39	382.16	96.70	3.97	PASS
8425.00†	7166.85	1519.01	1819.75	8182.88	6855.20	1740.28	1818.65	-35.37	382.22	101.21	3.80	PASS
8525.00†	7166.40	1518.77	1919.75	8282.88	6854.65	1740.01	1918.65	-35.36	382.27	105.84	3.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8625.00†	7165.95	1518.53	2019.74	8382.88	6854.11	1739.73	2018.65	-35.35	382.33	110.56	3.47	PASS
8725.00†	7165.51	1518.30	2119.74	8482.88	6853.56	1739.46	2118.65	-35.34	382.39	115.37	3.33	PASS
8825.00†	7165.06	1518.06	2219.74	8582.88	6853.02	1739.19	2218.65	-35.32	382.45	120.25	3.19	PASS
8925.00†	7164.61	1517.82	2319.74	8682.88	6852.47	1738.91	2318.65	-35.31	382.51	125.21	3.07	PASS
9025.00†	7164.16	1517.58	2419.74	8782.88	6851.93	1738.64	2418.64	-35.30	382.56	130.22	2.95	PASS
9125.00†	7163.71	1517.34	2519.74	8882.88	6851.39	1738.37	2518.64	-35.29	382.62	135.28	2.84	PASS
9225.00†	7163.26	1517.10	2619.74	8982.88	6850.84	1738.09	2618.64	-35.27	382.68	140.39	2.73	PASS
9325.00†	7162.81	1516.87	2719.73	9082.88	6850.30	1737.82	2718.64	-35.26	382.74	145.54	2.64	PASS
9425.00†	7162.36	1516.63	2819.73	9182.88	6849.75	1737.55	2818.64	-35.25	382.79	150.73	2.55	PASS
9525.00†	7161.91	1516.39	2919.73	9282.88	6849.21	1737.28	2918.63	-35.24	382.85	155.95	2.46	PASS
9625.00†	7161.46	1516.15	3019.73	9382.88	6848.67	1737.00	3018.63	-35.22	382.91	161.19	2.38	PASS
9725.00†	7161.01	1515.91	3119.73	9482.88	6848.12	1736.73	3118.63	-35.21	382.97	166.47	2.31	PASS
9825.00†	7160.57	1515.67	3219.73	9582.88	6847.58	1736.46	3218.63	-35.20	383.02	171.76	2.24	PASS
9925.00†	7160.12	1515.44	3319.73	9682.88	6847.03	1736.18	3318.63	-35.19	383.08	177.08	2.17	PASS
10025.00†	7159.67	1515.20	3419.73	9782.88	6846.49	1735.91	3418.62	-35.17	383.14	182.41	2.10	PASS
10125.00†	7159.22	1514.96	3519.72	9882.88	6845.94	1735.64	3518.62	-35.16	383.20	187.77	2.04	PASS
10225.00†	7158.77	1514.72	3619.72	9982.88	6845.40	1735.36	3618.62	-35.15	383.26	193.13	1.99	PASS
10325.00†	7158.32	1514.48	3719.72	10082.88	6844.86	1735.09	3718.62	-35.14	383.31	198.51	1.93	PASS
10425.00†	7157.87	1514.24	3819.72	10182.88	6844.31	1734.82	3818.62	-35.12	383.37	203.91	1.88	PASS
10525.00†	7157.42	1514.01	3919.72	10282.88	6843.77	1734.55	3918.61	-35.11	383.43	209.31	1.83	PASS
10625.00†	7156.97	1513.77	4019.72	10382.88	6843.22	1734.27	4018.61	-35.10	383.49	214.73	1.79	PASS
10725.00†	7156.52	1513.53	4119.72	10482.88	6842.68	1734.00	4118.61	-35.09	383.55	220.15	1.74	PASS
10825.00†	7156.08	1513.29	4219.72	10582.88	6842.14	1733.73	4218.61	-35.07	383.60	225.58	1.70	PASS
10925.00†	7155.63	1513.05	4319.71	10682.88	6841.59	1733.45	4318.61	-35.06	383.66	231.02	1.66	PASS
11025.00†	7155.18	1512.81	4419.71	10782.88	6841.05	1733.18	4418.61	-35.05	383.72	236.47	1.62	PASS
11125.00†	7154.73	1512.58	4519.71	10882.88	6840.50	1732.91	4518.60	-35.04	383.78	241.92	1.59	PASS
11225.00†	7154.28	1512.34	4619.71	10982.88	6839.96	1732.63	4618.60	-35.03	383.84	247.38	1.55	PASS
11325.00†	7153.83	1512.10	4719.71	11082.88	6839.41	1732.36	4718.60	-35.01	383.89	252.84	1.52	PASS
11425.00†	7153.38	1511.86	4819.71	11182.88	6838.87	1732.09	4818.60	-35.00	383.95	258.31	1.49	PASS
11525.00†	7152.93	1511.62	4919.71	11282.88	6838.33	1731.82	4918.60	-34.99	384.01	263.78	1.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11625.00†	7152.48	1511.38	5019.71	11382.88	6837.78	1731.54	5018.59	-34.98	384.07	269.25	1.43	PASS
11725.00†	7152.03	1511.15	5119.70	11482.88	6837.24	1731.27	5118.59	-34.96	384.13	274.73	1.40	PASS
11825.00†	7151.58	1510.91	5219.70	11582.88	6836.69	1731.00	5218.59	-34.95	384.18	280.21	1.37	PASS
11925.00†	7151.14	1510.67	5319.70	11682.88	6836.15	1730.72	5318.59	-34.94	384.24	285.69	1.35	PASS
12025.00†	7150.69	1510.43	5419.70	11782.88	6835.60	1730.45	5418.59	-34.93	384.30	291.18	1.32	PASS
12125.00†	7150.24	1510.19	5519.70	11882.88	6835.06	1730.18	5518.58	-34.91	384.36	296.67	1.30	PASS
12225.00†	7149.79	1509.95	5619.70	11982.88	6834.52	1729.90	5618.58	-34.90	384.42	302.16	1.27	PASS
12325.00†	7149.34	1509.72	5719.70	12082.88	6833.97	1729.63	5718.58	-34.89	384.47	307.65	1.25	PASS
12425.00†	7148.89	1509.48	5819.69	12182.88	6833.43	1729.36	5818.58	-34.88	384.53	313.14	1.23	PASS
12525.00†	7148.44	1509.24	5919.69	12282.88	6832.88	1729.09	5918.58	-34.86	384.59	318.63	1.21	PASS
12625.00†	7147.99	1509.00	6019.69	12382.88	6832.34	1728.81	6018.57	-34.85	384.65	324.12	1.19	PASS
12725.00†	7147.54	1508.76	6119.69	12482.88	6831.80	1728.54	6118.57	-34.84	384.71	329.62	1.17	PASS
12825.00†	7147.09	1508.52	6219.69	12582.88	6831.25	1728.27	6218.57	-34.83	384.77	335.11	1.15	PASS
12925.00†	7146.65	1508.28	6319.69	12682.88	6830.71	1727.99	6318.57	-34.82	384.82	340.60	1.13	PASS
13025.00†	7146.20	1508.05	6419.69	12782.88	6830.16	1727.72	6418.57	-34.80	384.88	346.10	1.11	PASS
13125.00†	7145.75	1507.81	6519.69	12882.88	6829.62	1727.45	6518.57	-34.79	384.94	351.59	1.10	PASS
13225.00†	7145.30	1507.57	6619.68	12982.88	6829.07	1727.17	6618.56	-34.78	385.00	357.09	1.08	PASS
13325.00†	7144.85	1507.33	6719.68	13082.88	6828.53	1726.90	6718.56	-34.77	385.06	362.58	1.06	PASS
13425.00†	7144.40	1507.09	6819.68	13182.88	6827.99	1726.63	6818.56	-34.75	385.12	368.07	1.05	PASS
13525.00†	7143.95	1506.85	6919.68	13282.88	6827.44	1726.36	6918.56	-34.74	385.17	373.56	1.03	PASS
13625.00†	7143.50	1506.62	7019.68	13382.88	6826.90	1726.08	7018.56	-34.73	385.23	379.06	1.02	PASS
13725.00†	7143.05	1506.38	7119.68	13482.88	6826.35	1725.81	7118.55	-34.72	385.29	384.55	1.00	PASS
13825.00†	7142.60	1506.14	7219.68	13582.88	6825.81	1725.54	7218.55	-34.70	385.35	390.04	0.99	FAIL
13925.00†	7142.15	1505.90	7319.68	13682.88	6825.27	1725.26	7318.55	-34.69	385.41	395.53	0.97	FAIL
14025.00†	7141.71	1505.66	7419.67	13782.88	6824.72	1724.99	7418.55	-34.68	385.47	401.02	0.96	FAIL
14125.00†	7141.26	1505.42	7519.67	13882.88	6824.18	1724.72	7518.55	-34.67	385.53	406.50	0.95	FAIL
14225.00†	7140.81	1505.19	7619.67	13982.87	6823.63	1724.44	7618.54	-34.66	385.58	411.99	0.94	FAIL
14325.00†	7140.36	1504.95	7719.67	14082.87	6823.09	1724.17	7718.54	-34.64	385.64	417.48	0.92	FAIL
14425.00†	7139.91	1504.71	7819.67	14182.87	6822.54	1723.90	7818.54	-34.63	385.70	422.96	0.91	FAIL
14525.00†	7139.46	1504.47	7919.67	14282.87	6822.00	1723.63	7918.54	-34.62	385.76	428.44	0.90	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
14625.00†	7139.01	1504.23	8019.67	14382.87	6821.46	1723.35	8018.54	-34.61	385.82	433.92	0.89	FAIL
14725.00†	7138.56	1503.99	8119.67	14482.87	6820.91	1723.08	8118.53	-34.59	385.88	439.40	0.88	FAIL
14825.00†	7138.11	1503.76	8219.66	14582.87	6820.37	1722.81	8218.53	-34.58	385.94	444.88	0.87	FAIL
14925.00†	7137.66	1503.52	8319.66	14682.87	6819.82	1722.53	8318.53	-34.57	385.99	450.36	0.86	FAIL
15025.00†	7137.22	1503.28	8419.66	14782.87	6819.28	1722.26	8418.53	-34.56	386.05	455.84	0.85	FAIL
15072.98	7137.00	1503.17	8467.64	14830.85	6819.02	1722.13	8466.51	-34.55	386.08	458.46	0.84	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	1.000ft
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	17.84
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1712.72	0.00	-9.16	86.13	17.84
8.5in Open Hole	1750.00	14834.14	13084.14	1712.72	N/A	86.13	17.84	N/A	N/A

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



Clearance Report
TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-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	48.11	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-45.08	-90.00	45.08	2.30	33.04	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	0.00	-45.08	-109.22	45.11	2.44	29.91	PASS
325.00†	324.96	2.58	0.89	325.08	325.08	0.11	-45.05	-112.15	46.01	3.09	21.17	PASS
425.00†	424.77	8.35	2.89	425.58	425.54	2.66	-44.37	-115.94	47.61	3.97	15.54	PASS
525.00†	524.30	17.40	6.02	526.20	525.97	8.63	-42.79	-119.31	49.62	5.00	12.05	PASS
625.00†	623.44	29.74	10.29	626.94	626.23	18.01	-40.29	-122.24	52.00	6.08	9.97	PASS
725.00†	722.07	45.33	15.69	727.80	726.21	30.81	-36.89	-124.73	54.70	7.23	8.58	PASS
825.00†	820.05	64.17	22.20	828.77	825.77	47.03	-32.59	-126.80	57.69	8.43	7.60	PASS
882.76	876.31	76.52	26.48	887.14	883.04	57.95	-29.69	-127.83	59.54	9.16	7.15	PASS
925.00†	917.36	85.95	29.74	929.87	924.80	66.65	-27.37	-128.29	60.74	9.61	6.91	PASS
1025.00†	1014.53	108.26	37.46	1031.06	1023.15	89.67	-21.26	-127.39	62.19	10.72	6.27	PASS
1125.00†	1111.71	130.57	45.18	1132.13	1120.48	115.99	-14.27	-123.75	61.84	11.94	5.54	PASS
1225.00†	1208.88	152.88	52.90	1232.83	1216.43	145.49	-6.43	-117.07	60.26	13.35	4.79	PASS
1325.00†	1306.05	175.19	60.62	1332.72	1310.60	177.71	2.12	-107.18	58.72	15.06	4.10	PASS
1425.00†	1403.23	197.50	68.34	1432.12	1404.08	210.33	10.79	-96.53	58.97	16.94	3.63	PASS
1525.00†	1500.40	219.81	76.06	1531.51	1497.57	242.95	19.45	-86.31	61.22	18.77	3.38	PASS
1625.00†	1597.57	242.12	83.78	1630.90	1591.06	275.57	28.12	-77.08	65.26	20.37	3.31	PASS
1725.00†	1694.75	264.43	91.50	1730.30	1684.55	308.19	36.78	-69.10	70.80	21.68	3.37	PASS
1825.00†	1791.92	286.74	99.21	1829.69	1778.04	340.81	45.45	-62.37	77.51	21.73	3.65	PASS
1925.00†	1889.10	309.05	106.93	1929.09	1871.52	373.44	54.11	-56.77	85.12	21.29	4.10	PASS
2025.00†	1986.27	331.36	114.65	2028.48	1965.01	406.06	62.78	-52.12	93.40	20.97	4.57	PASS
2125.00†	2083.44	353.67	122.37	2127.88	2058.50	438.68	71.44	-48.25	102.19	20.80	5.05	PASS
2225.00†	2180.62	375.98	130.09	2227.27	2151.99	471.30	80.10	-45.00	111.38	20.76	5.52	PASS
2325.00†	2277.79	398.29	137.81	2326.66	2245.48	503.92	88.77	-42.25	120.86	20.84	5.97	PASS
2425.00†	2374.96	420.60	145.53	2426.06	2338.96	536.54	97.43	-39.91	130.59	21.05	6.38	PASS
2525.00†	2472.14	442.91	153.25	2525.45	2432.45	569.16	106.10	-37.89	140.50	21.37	6.77	PASS
2625.00†	2569.31	465.22	160.97	2624.85	2525.94	601.78	114.76	-36.14	150.56	21.78	7.11	PASS
2725.00†	2666.48	487.53	168.69	2724.24	2619.43	634.41	123.43	-34.60	160.74	22.28	7.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2823.63	2712.91	667.03	132.09	-33.26	171.02	22.85	7.69	PASS
2925.00†	2860.83	532.15	184.13	2923.03	2806.40	699.65	140.76	-32.06	181.38	23.49	7.93	PASS
3025.00†	2958.00	554.46	191.85	3022.42	2899.89	732.27	149.42	-31.00	191.82	24.19	8.14	PASS
3125.00†	3055.18	576.77	199.57	3121.82	2993.38	764.89	158.08	-30.04	202.31	24.94	8.32	PASS
3225.00†	3152.35	599.08	207.29	3221.21	3086.87	797.51	166.75	-29.18	212.86	25.73	8.48	PASS
3325.00†	3249.52	621.39	215.01	3320.61	3180.35	830.13	175.41	-28.40	223.44	26.56	8.61	PASS
3425.00†	3346.70	643.70	222.73	3420.00	3273.84	862.75	184.08	-27.69	234.07	27.43	8.73	PASS
3525.00†	3443.87	666.01	230.45	3519.39	3367.33	895.37	192.74	-27.04	244.72	28.34	8.83	PASS
3625.00†	3541.04	688.32	238.17	3618.79	3460.82	928.00	201.41	-26.45	255.41	29.26	8.92	PASS
3725.00†	3638.22	710.63	245.88	3718.18	3554.31	960.62	210.07	-25.90	266.12	30.22	8.99	PASS
3825.00†	3735.39	732.94	253.60	3817.58	3647.79	993.24	218.74	-25.40	276.85	31.19	9.06	PASS
3925.00†	3832.56	755.25	261.32	3916.97	3741.28	1025.86	227.40	-24.94	287.60	32.19	9.11	PASS
4025.00†	3929.74	777.56	269.04	4016.36	3834.77	1058.48	236.07	-24.50	298.37	33.20	9.16	PASS
4125.00†	4026.91	799.87	276.76	4115.76	3928.26	1091.10	244.73	-24.10	309.16	34.23	9.20	PASS
4225.00†	4124.08	822.18	284.48	4215.15	4021.75	1123.72	253.39	-23.73	319.95	35.27	9.24	PASS
4325.00†	4221.26	844.49	292.20	4314.55	4115.23	1156.34	262.06	-23.38	330.77	36.32	9.27	PASS
4425.00†	4318.43	866.80	299.92	4413.94	4208.72	1188.97	270.72	-23.05	341.59	37.39	9.29	PASS
4525.00†	4415.60	889.11	307.64	4513.34	4302.21	1221.59	279.39	-22.74	352.42	38.47	9.31	PASS
4625.00†	4512.78	911.42	315.36	4612.73	4395.70	1254.21	288.05	-22.45	363.26	39.55	9.33	PASS
4725.00†	4609.95	933.72	323.08	4712.12	4489.18	1286.83	296.72	-22.18	374.12	40.65	9.35	PASS
4825.00†	4707.13	956.03	330.80	4811.52	4582.67	1319.45	305.38	-21.92	384.97	41.75	9.36	PASS
4925.00†	4804.30	978.34	338.52	4910.91	4676.16	1352.07	314.05	-21.68	395.84	42.86	9.37	PASS
5025.00†	4901.47	1000.65	346.24	5010.31	4769.65	1384.69	322.71	-21.44	406.71	43.98	9.38	PASS
5125.00†	4998.65	1022.96	353.96	5109.70	4863.14	1417.31	331.38	-21.23	417.59	45.10	9.39	PASS
5225.00†	5095.82	1045.27	361.68	5209.09	4956.62	1449.94	340.04	-21.02	428.48	46.23	9.40	PASS
5325.00†	5192.99	1067.58	369.40	5308.49	5050.11	1482.56	348.70	-20.82	439.37	47.36	9.40	PASS
5425.00†	5290.17	1089.89	377.12	5407.88	5143.60	1515.18	357.37	-20.63	450.26	48.50	9.41	PASS
5525.00†	5387.34	1112.20	384.84	5507.28	5237.09	1547.80	366.03	-20.45	461.16	49.64	9.41	PASS
5625.00†	5484.51	1134.51	392.56	5606.67	5330.58	1580.42	374.70	-20.29	472.07	50.79	9.41	PASS
5725.00†	5581.69	1156.82	400.27	5706.07	5424.06	1613.04	383.36	-20.12	482.98	51.94	9.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5805.46	5517.55	1645.66	392.03	-19.97	493.89	53.09	9.41	PASS
5925.00†	5776.03	1201.44	415.71	5904.85	5611.04	1678.28	400.69	-19.82	504.80	54.25	9.42	PASS
6025.00†	5873.21	1223.75	423.43	6004.25	5704.53	1710.90	409.36	-19.68	515.72	55.41	9.42	PASS
6125.00†	5970.38	1246.06	431.15	6103.64	5798.01	1743.53	418.02	-19.54	526.64	56.57	9.41	PASS
6225.00†	6067.55	1268.37	438.87	6203.04	5891.50	1776.15	426.68	-19.41	537.56	57.74	9.41	PASS
6325.00†	6164.73	1290.68	446.59	6302.43	5984.99	1808.77	435.35	-19.28	548.49	58.90	9.41	PASS
6425.00†	6261.90	1312.99	454.31	6401.82	6078.48	1841.39	444.01	-19.16	559.42	60.08	9.41	PASS
6525.00†	6359.07	1335.30	462.03	6501.22	6171.97	1874.01	452.68	-19.04	570.35	61.25	9.41	PASS
6625.00†	6456.25	1357.61	469.75	6600.61	6265.45	1906.63	461.34	-18.93	581.29	62.42	9.41	PASS
6725.00†	6553.42	1379.92	477.47	6700.01	6358.94	1939.25	470.01	-18.83	592.22	63.60	9.41	PASS
6770.11	6597.25	1389.99	480.95	6744.84	6401.11	1953.97	473.92	-18.78	597.16	64.13	9.40	PASS
6825.00†	6650.35	1402.17	487.54	6799.36	6452.39	1971.86	478.67	-35.17	603.17	64.79	9.40	PASS
6925.00†	6744.88	1423.86	511.48	6899.12	6546.07	2004.55	488.85	-54.09	614.20	66.07	9.39	PASS
7025.00†	6834.60	1444.41	550.31	7002.41	6640.76	2037.57	513.08	-64.17	625.14	67.57	9.34	PASS
7125.00†	6917.30	1463.34	603.05	7108.71	6733.05	2069.74	554.59	-70.06	635.63	69.32	9.25	PASS
7225.00†	6990.95	1480.16	668.41	7218.10	6819.86	2099.98	613.64	-73.81	645.33	71.46	9.11	PASS
7325.00†	7053.73	1494.48	744.79	7330.55	6897.80	2127.11	689.79	-76.34	653.88	74.24	8.88	PASS
7425.00†	7104.09	1505.93	830.30	7445.79	6963.30	2149.88	781.64	-78.06	660.95	77.84	8.56	PASS
7525.00†	7140.80	1514.24	922.83	7563.41	7012.94	2167.10	886.68	-79.18	666.24	80.60	8.33	PASS
7625.00†	7162.95	1519.20	1020.12	7682.76	7043.83	2177.76	1001.30	-79.83	669.51	87.30	7.72	PASS
7724.04	7170.00	1520.68	1118.80	7801.90	7054.00	2181.19	1119.77	-80.04	670.62	92.60	7.29	PASS
7725.00†	7170.00	1520.68	1119.76	7803.05	7054.00	2181.19	1120.93	-80.04	670.62	92.65	7.29	PASS
7825.00†	7169.55	1520.44	1219.75	7903.06	7053.55	2180.93	1220.94	-80.04	670.60	98.22	6.87	PASS
7925.00†	7169.10	1520.20	1319.75	8003.06	7053.10	2180.67	1320.94	-80.04	670.58	104.30	6.47	PASS
8025.00†	7168.65	1519.96	1419.75	8103.06	7052.65	2180.41	1420.94	-80.04	670.56	110.80	6.08	PASS
8125.00†	7168.20	1519.73	1519.75	8203.06	7052.20	2180.16	1520.93	-80.04	670.54	117.65	5.73	PASS
8225.00†	7167.75	1519.49	1619.75	8303.06	7051.76	2179.90	1620.93	-80.04	670.52	124.80	5.40	PASS
8325.00†	7167.30	1519.25	1719.75	8403.06	7051.31	2179.64	1720.93	-80.04	670.50	132.19	5.09	PASS
8425.00†	7166.85	1519.01	1819.75	8503.06	7050.86	2179.38	1820.93	-80.04	670.48	139.78	4.82	PASS
8525.00†	7166.40	1518.77	1919.75	8603.06	7050.41	2179.12	1920.93	-80.04	670.46	147.55	4.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	8703.06	7049.96	2178.87	2020.93	-80.04	670.44	155.47	4.33	PASS
8725.00†	7165.51	1518.30	2119.74	8803.06	7049.51	2178.61	2120.93	-80.04	670.42	163.52	4.11	PASS
8825.00†	7165.06	1518.06	2219.74	8903.06	7049.06	2178.35	2220.92	-80.04	670.40	171.67	3.92	PASS
8925.00†	7164.61	1517.82	2319.74	9003.06	7048.61	2178.09	2320.92	-80.04	670.38	179.92	3.74	PASS
9025.00†	7164.16	1517.58	2419.74	9103.06	7048.16	2177.83	2420.92	-80.04	670.36	188.25	3.57	PASS
9125.00†	7163.71	1517.34	2519.74	9203.06	7047.72	2177.57	2520.92	-80.04	670.35	196.65	3.42	PASS
9225.00†	7163.26	1517.10	2619.74	9303.06	7047.27	2177.32	2620.92	-80.04	670.33	205.12	3.28	PASS
9325.00†	7162.81	1516.87	2719.73	9403.06	7046.82	2177.06	2720.92	-80.04	670.31	213.64	3.14	PASS
9425.00†	7162.36	1516.63	2819.73	9503.06	7046.37	2176.80	2820.92	-80.04	670.29	222.20	3.02	PASS
9525.00†	7161.91	1516.39	2919.73	9603.06	7045.92	2176.54	2920.92	-80.03	670.27	230.82	2.91	PASS
9625.00†	7161.46	1516.15	3019.73	9703.06	7045.47	2176.28	3020.91	-80.03	670.25	239.46	2.80	PASS
9725.00†	7161.01	1515.91	3119.73	9803.06	7045.02	2176.03	3120.91	-80.03	670.23	248.15	2.71	PASS
9825.00†	7160.57	1515.67	3219.73	9903.06	7044.57	2175.77	3220.91	-80.03	670.21	256.86	2.61	PASS
9925.00†	7160.12	1515.44	3319.73	10003.06	7044.12	2175.51	3320.91	-80.03	670.19	265.61	2.53	PASS
10025.00†	7159.67	1515.20	3419.73	10103.06	7043.68	2175.25	3420.91	-80.03	670.17	274.37	2.45	PASS
10125.00†	7159.22	1514.96	3519.72	10203.06	7043.23	2174.99	3520.91	-80.03	670.15	283.16	2.37	PASS
10225.00†	7158.77	1514.72	3619.72	10303.06	7042.78	2174.74	3620.91	-80.03	670.13	291.98	2.30	PASS
10325.00†	7158.32	1514.48	3719.72	10403.06	7042.33	2174.48	3720.90	-80.03	670.11	300.81	2.23	PASS
10425.00†	7157.87	1514.24	3819.72	10503.06	7041.88	2174.22	3820.90	-80.03	670.09	309.65	2.17	PASS
10525.00†	7157.42	1514.01	3919.72	10603.06	7041.43	2173.96	3920.90	-80.03	670.07	318.52	2.11	PASS
10625.00†	7156.97	1513.77	4019.72	10703.06	7040.98	2173.70	4020.90	-80.03	670.05	327.40	2.05	PASS
10725.00†	7156.52	1513.53	4119.72	10803.06	7040.53	2173.45	4120.90	-80.03	670.03	336.29	1.99	PASS
10825.00†	7156.08	1513.29	4219.72	10903.06	7040.08	2173.19	4220.90	-80.03	670.01	345.19	1.94	PASS
10925.00†	7155.63	1513.05	4319.71	11003.06	7039.63	2172.93	4320.90	-80.03	669.99	354.11	1.89	PASS
11025.00†	7155.18	1512.81	4419.71	11103.06	7039.19	2172.67	4420.90	-80.03	669.98	363.03	1.85	PASS
11125.00†	7154.73	1512.58	4519.71	11203.06	7038.74	2172.41	4520.89	-80.03	669.96	371.97	1.80	PASS
11225.00†	7154.28	1512.34	4619.71	11303.06	7038.29	2172.15	4620.89	-80.03	669.94	380.92	1.76	PASS
11325.00†	7153.83	1512.10	4719.71	11403.06	7037.84	2171.90	4720.89	-80.03	669.92	389.87	1.72	PASS
11425.00†	7153.38	1511.86	4819.71	11503.06	7037.39	2171.64	4820.89	-80.03	669.90	398.83	1.68	PASS
11525.00†	7152.93	1511.62	4919.71	11603.06	7036.94	2171.38	4920.89	-80.03	669.88	407.80	1.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	11703.06	7036.49	2171.12	5020.89	-80.03	669.86	416.78	1.61	PASS
11725.00†	7152.03	1511.15	5119.70	11803.06	7036.04	2170.86	5120.89	-80.03	669.84	425.76	1.57	PASS
11825.00†	7151.58	1510.91	5219.70	11903.06	7035.59	2170.61	5220.88	-80.03	669.82	434.75	1.54	PASS
11925.00†	7151.14	1510.67	5319.70	12003.06	7035.15	2170.35	5320.88	-80.03	669.80	443.74	1.51	PASS
12025.00†	7150.69	1510.43	5419.70	12103.06	7034.70	2170.09	5420.88	-80.03	669.78	452.74	1.48	PASS
12125.00†	7150.24	1510.19	5519.70	12203.06	7034.25	2169.83	5520.88	-80.03	669.76	461.75	1.45	PASS
12225.00†	7149.79	1509.95	5619.70	12303.06	7033.80	2169.57	5620.88	-80.03	669.74	470.76	1.42	PASS
12325.00†	7149.34	1509.72	5719.70	12403.06	7033.35	2169.32	5720.88	-80.03	669.72	479.77	1.40	PASS
12425.00†	7148.89	1509.48	5819.69	12503.06	7032.90	2169.06	5820.88	-80.03	669.70	488.79	1.37	PASS
12525.00†	7148.44	1509.24	5919.69	12603.06	7032.45	2168.80	5920.88	-80.03	669.68	497.81	1.35	PASS
12625.00†	7147.99	1509.00	6019.69	12703.06	7032.00	2168.54	6020.87	-80.03	669.66	506.84	1.32	PASS
12725.00†	7147.54	1508.76	6119.69	12803.06	7031.55	2168.28	6120.87	-80.03	669.64	515.87	1.30	PASS
12825.00†	7147.09	1508.52	6219.69	12903.06	7031.11	2168.03	6220.87	-80.03	669.62	524.90	1.28	PASS
12925.00†	7146.65	1508.28	6319.69	13003.06	7030.66	2167.77	6320.87	-80.03	669.61	533.94	1.25	PASS
13025.00†	7146.20	1508.05	6419.69	13103.06	7030.21	2167.51	6420.87	-80.03	669.59	542.98	1.23	PASS
13125.00†	7145.75	1507.81	6519.69	13203.06	7029.76	2167.25	6520.87	-80.02	669.57	552.02	1.21	PASS
13225.00†	7145.30	1507.57	6619.68	13303.06	7029.31	2166.99	6620.87	-80.02	669.55	561.07	1.19	PASS
13325.00†	7144.85	1507.33	6719.68	13403.06	7028.86	2166.73	6720.86	-80.02	669.53	570.12	1.17	PASS
13425.00†	7144.40	1507.09	6819.68	13503.06	7028.41	2166.48	6820.86	-80.02	669.51	579.17	1.16	PASS
13525.00†	7143.95	1506.85	6919.68	13603.06	7027.96	2166.22	6920.86	-80.02	669.49	588.22	1.14	PASS
13625.00†	7143.50	1506.62	7019.68	13703.06	7027.51	2165.96	7020.86	-80.02	669.47	597.28	1.12	PASS
13725.00†	7143.05	1506.38	7119.68	13803.06	7027.07	2165.70	7120.86	-80.02	669.45	606.33	1.10	PASS
13825.00†	7142.60	1506.14	7219.68	13903.06	7026.62	2165.44	7220.86	-80.02	669.43	615.39	1.09	PASS
13925.00†	7142.15	1505.90	7319.68	14003.06	7026.17	2165.19	7320.86	-80.02	669.41	624.45	1.07	PASS
14025.00†	7141.71	1505.66	7419.67	14103.06	7025.72	2164.93	7420.86	-80.02	669.39	633.52	1.06	PASS
14125.00†	7141.26	1505.42	7519.67	14203.06	7025.27	2164.67	7520.85	-80.02	669.37	642.58	1.04	PASS
14225.00†	7140.81	1505.19	7619.67	14303.06	7024.82	2164.41	7620.85	-80.02	669.35	651.65	1.03	PASS
14325.00†	7140.36	1504.95	7719.67	14403.06	7024.37	2164.15	7720.85	-80.02	669.33	660.72	1.01	PASS
14425.00†	7139.91	1504.71	7819.67	14503.06	7023.92	2163.90	7820.85	-80.02	669.31	669.79	1.00	FAIL
14525.00†	7139.46	1504.47	7919.67	14603.06	7023.47	2163.64	7920.85	-80.02	669.29	678.86	0.99	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7139.01	1504.23	8019.67	14703.06	7023.02	2163.38	8020.85	-80.02	669.27	687.93	0.97	FAIL
14725.00†	7138.56	1503.99	8119.67	14803.06	7022.58	2163.12	8120.85	-80.02	669.26	697.01	0.96	FAIL
14825.00†	7138.11	1503.76	8219.66	14903.06	7022.13	2162.86	8220.84	-80.02	669.24	706.09	0.95	FAIL
14925.00†	7137.66	1503.52	8319.66	15003.06	7021.68	2162.61	8320.84	-80.02	669.22	715.16	0.94	FAIL
15025.00†	7137.22	1503.28	8419.66	15103.06	7021.23	2162.35	8420.84	-80.02	669.20	724.24	0.92	FAIL
15072.98	7137.00	1503.17	8467.64	15151.04	7021.01	2162.22	8468.82	-80.02	669.19	728.60	0.92	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	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	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	-27.48	95.91	-2.00
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1703.08	0.00	-27.48	95.91	-2.00
8.5in Open Hole	1750.00	15154.09	13404.09	1703.08	7021.00	95.91	-2.00	659.04	2568.49

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2026.91	5560.73	69.97	5918.62	50.19	120.21	PASS
125.00†	125.00	0.00	0.00	111.00	125.00	2026.91	5560.73	69.97	5918.62	50.48	119.51	PASS
200.00	200.00	0.00	0.00	186.00	200.00	2026.91	5560.73	69.97	5918.62	51.18	117.83	PASS
225.00†	225.00	0.10	0.04	211.00	225.00	2026.91	5560.73	50.89	5918.55	51.50	117.10	PASS
325.00†	324.96	2.58	0.89	310.96	324.96	2026.91	5560.73	50.93	5916.90	53.23	113.19	PASS
425.00†	424.77	8.35	2.89	410.77	424.77	2026.91	5560.73	51.04	5913.06	55.56	108.28	PASS
525.00†	524.30	17.40	6.02	510.30	524.30	2026.91	5560.73	51.21	5907.02	58.35	102.91	PASS
625.00†	623.44	29.74	10.29	609.44	623.44	2026.91	5560.73	51.43	5898.82	61.49	97.44	PASS
725.00†	722.07	45.33	15.69	708.07	722.07	2026.91	5560.73	51.72	5888.48	64.89	92.10	PASS
825.00†	820.05	64.17	22.20	806.05	820.05	2026.91	5560.73	52.07	5876.02	68.48	87.02	PASS
882.76	876.31	76.52	26.48	862.31	876.31	2026.91	5560.73	52.30	5867.88	70.63	84.22	PASS
925.00†	917.36	85.95	29.74	903.36	917.36	2026.91	5560.73	52.37	5861.67	72.20	82.27	PASS
1025.00†	1014.53	108.26	37.46	1000.53	1014.53	2026.91	5560.73	52.55	5847.03	76.05	77.86	PASS
1125.00†	1111.71	130.57	45.18	1097.71	1111.71	2026.91	5560.73	52.73	5832.45	80.01	73.77	PASS
1225.00†	1208.88	152.88	52.90	1194.88	1208.88	2026.91	5560.73	52.92	5817.92	84.07	70.00	PASS
1325.00†	1306.05	175.19	60.62	1292.05	1306.05	2026.91	5560.73	53.10	5803.46	88.20	66.52	PASS
1425.00†	1403.23	197.50	68.34	1389.23	1403.23	2026.91	5560.73	53.28	5789.05	92.40	63.30	PASS
1525.00†	1500.40	219.81	76.06	1486.40	1500.40	2026.91	5560.73	53.47	5774.71	96.65	60.34	PASS
1625.00†	1597.57	242.12	83.78	1583.57	1597.57	2026.91	5560.73	53.65	5760.43	100.96	57.59	PASS
1725.00†	1694.75	264.43	91.50	1680.75	1694.75	2026.91	5560.73	53.84	5746.21	105.32	55.05	PASS
1825.00†	1791.92	286.74	99.21	1777.92	1791.92	2026.91	5560.73	54.03	5732.05	109.34	52.76	PASS
1925.00†	1889.10	309.05	106.93	1875.10	1889.10	2026.91	5560.73	54.21	5717.95	113.54	50.67	PASS
2025.00†	1986.27	331.36	114.65	1972.27	1986.27	2026.91	5560.73	54.40	5703.92	117.76	48.72	PASS
2125.00†	2083.44	353.67	122.37	2069.44	2083.44	2026.91	5560.73	54.59	5689.94	122.02	46.90	PASS
2225.00†	2180.62	375.98	130.09	2166.62	2180.62	2026.91	5560.73	54.78	5676.04	126.30	45.19	PASS
2325.00†	2277.79	398.29	137.81	2263.79	2277.79	2026.91	5560.73	54.97	5662.20	130.60	43.59	PASS
2425.00†	2374.96	420.60	145.53	2360.96	2374.96	2026.91	5560.73	55.17	5648.42	134.93	42.08	PASS
2525.00†	2472.14	442.91	153.25	2458.14	2472.14	2026.91	5560.73	55.36	5634.71	139.28	40.66	PASS
2625.00†	2569.31	465.22	160.97	2555.31	2569.31	2026.91	5560.73	55.55	5621.06	143.64	39.32	PASS
2725.00†	2666.48	487.53	168.69	2652.48	2666.48	2026.91	5560.73	55.75	5607.48	148.03	38.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2749.66	2763.66	2026.91	5560.73	55.94	5593.96	152.44	36.86	PASS
2925.00†	2860.83	532.15	184.13	2846.83	2860.83	2026.91	5560.73	56.14	5580.52	156.86	35.73	PASS
3025.00†	2958.00	554.46	191.85	2944.00	2958.00	2026.91	5560.73	56.34	5567.14	161.30	34.66	PASS
3125.00†	3055.18	576.77	199.57	3041.18	3055.18	2026.91	5560.73	56.54	5553.83	165.76	33.64	PASS
3225.00†	3152.35	599.08	207.29	3138.35	3152.35	2026.91	5560.73	56.74	5540.58	170.23	32.68	PASS
3325.00†	3249.52	621.39	215.01	3235.52	3249.52	2026.91	5560.73	56.94	5527.41	174.72	31.76	PASS
3425.00†	3346.70	643.70	222.73	3332.70	3346.70	2026.91	5560.73	57.14	5514.31	179.23	30.89	PASS
3525.00†	3443.87	666.01	230.45	3429.87	3443.87	2026.91	5560.73	57.34	5501.27	183.74	30.05	PASS
3625.00†	3541.04	688.32	238.17	3527.04	3541.04	2026.91	5560.73	57.55	5488.31	188.27	29.26	PASS
3725.00†	3638.22	710.63	245.88	3624.22	3638.22	2026.91	5560.73	57.75	5475.42	192.81	28.50	PASS
3825.00†	3735.39	732.94	253.60	3721.39	3735.39	2026.91	5560.73	57.96	5462.60	197.37	27.77	PASS
3925.00†	3832.56	755.25	261.32	3818.56	3832.56	2026.91	5560.73	58.16	5449.85	201.94	27.08	PASS
4025.00†	3929.74	777.56	269.04	3915.74	3929.74	2026.91	5560.73	58.37	5437.17	206.52	26.42	PASS
4125.00†	4026.91	799.87	276.76	4012.91	4026.91	2026.91	5560.73	58.58	5424.57	211.11	25.78	PASS
4225.00†	4124.08	822.18	284.48	4110.08	4124.08	2026.91	5560.73	58.79	5412.04	215.71	25.17	PASS
4325.00†	4221.26	844.49	292.20	4207.26	4221.26	2026.91	5560.73	59.00	5399.59	220.32	24.58	PASS
4425.00†	4318.43	866.80	299.92	4304.43	4318.43	2026.91	5560.73	59.21	5387.20	224.94	24.02	PASS
4525.00†	4415.60	889.11	307.64	4401.60	4415.60	2026.91	5560.73	59.42	5374.90	229.57	23.48	PASS
4625.00†	4512.78	911.42	315.36	4498.78	4512.78	2026.91	5560.73	59.63	5362.67	234.21	22.96	PASS
4725.00†	4609.95	933.72	323.08	4595.95	4609.95	2026.91	5560.73	59.84	5350.52	238.86	22.46	PASS
4825.00†	4707.13	956.03	330.80	4693.13	4707.13	2026.91	5560.73	60.06	5338.44	243.52	21.98	PASS
4925.00†	4804.30	978.34	338.52	4790.30	4804.30	2026.91	5560.73	60.27	5326.44	248.19	21.52	PASS
5025.00†	4901.47	1000.65	346.24	4887.47	4901.47	2026.91	5560.73	60.49	5314.52	252.86	21.07	PASS
5125.00†	4998.65	1022.96	353.96	4984.65	4998.65	2026.91	5560.73	60.71	5302.68	257.55	20.64	PASS
5225.00†	5095.82	1045.27	361.68	5081.82	5095.82	2026.91	5560.73	60.93	5290.91	262.24	20.23	PASS
5325.00†	5192.99	1067.58	369.40	5178.99	5192.99	2026.91	5560.73	61.14	5279.23	266.94	19.83	PASS
5425.00†	5290.17	1089.89	377.12	5276.17	5290.17	2026.91	5560.73	61.36	5267.62	271.64	19.44	PASS
5525.00†	5387.34	1112.20	384.84	5373.34	5387.34	2026.91	5560.73	61.59	5256.10	276.35	19.07	PASS
5625.00†	5484.51	1134.51	392.56	5470.51	5484.51	2026.91	5560.73	61.81	5244.65	281.07	18.70	PASS
5725.00†	5581.69	1156.82	400.27	5567.69	5581.69	2026.91	5560.73	62.03	5233.29	285.80	18.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5664.86	5678.86	2026.91	5560.73	62.25	5222.01	290.53	18.02	PASS
5925.00†	5776.03	1201.44	415.71	5762.03	5776.03	2026.91	5560.73	62.48	5210.81	295.27	17.69	PASS
6025.00†	5873.21	1223.75	423.43	5859.21	5873.21	2026.91	5560.73	62.70	5199.70	300.01	17.37	PASS
6125.00†	5970.38	1246.06	431.15	5956.38	5970.38	2026.91	5560.73	62.93	5188.67	304.76	17.06	PASS
6225.00†	6067.55	1268.37	438.87	6053.55	6067.55	2026.91	5560.73	63.16	5177.72	309.52	16.76	PASS
6325.00†	6164.73	1290.68	446.59	6150.73	6164.73	2026.91	5560.73	63.39	5166.86	314.28	16.48	PASS
6425.00†	6261.90	1312.99	454.31	6247.90	6261.90	2026.91	5560.73	63.62	5156.08	319.04	16.19	PASS
6525.00†	6359.07	1335.30	462.03	6345.07	6359.07	2026.91	5560.73	63.85	5145.39	323.81	15.92	PASS
6625.00†	6456.25	1357.61	469.75	6442.25	6456.25	2026.91	5560.73	64.08	5134.79	328.59	15.66	PASS
6725.00†	6553.42	1379.92	477.47	6539.42	6553.42	2026.91	5560.73	64.31	5124.27	333.37	15.40	PASS
6770.11	6597.25	1389.99	480.95	6583.25	6597.25	2026.91	5560.73	64.41	5119.55	335.52	15.29	PASS
6825.00†	6650.35	1402.17	487.54	6636.35	6650.35	2026.91	5560.73	47.68	5111.51	338.16	15.15	PASS
6925.00†	6744.88	1423.86	511.48	6730.88	6744.88	2026.91	5560.73	28.98	5085.13	343.16	14.85	PASS
7025.00†	6834.60	1444.41	550.31	6820.60	6834.60	2026.91	5560.73	19.11	5044.17	348.31	14.51	PASS
7125.00†	6917.30	1463.34	603.05	6903.30	6917.30	2026.91	5560.73	13.11	4989.61	353.00	14.16	PASS
7225.00†	6990.95	1480.16	668.41	6976.95	6990.95	2026.91	5560.73	8.75	4922.78	357.11	13.81	PASS
7325.00†	7053.73	1494.48	744.79	7039.73	7053.73	2026.91	5560.73	4.81	4845.28	360.55	13.46	PASS
7425.00†	7104.09	1505.93	830.30	7090.09	7104.09	2026.91	5560.73	0.11	4759.03	363.24	13.13	PASS
7525.00†	7140.80	1514.24	922.83	7126.80	7140.80	2026.91	5560.73	-7.78	4666.15	365.13	12.80	PASS
7625.00†	7162.95	1519.20	1020.12	7148.95	7162.95	2026.91	5560.73	-28.27	4568.91	366.22	12.50	PASS
7724.04	7170.00	1520.68	1118.80	7156.00	7170.00	2026.91	5560.73	-92.21	4470.69	366.51	12.22	PASS
7725.00†	7170.00	1520.68	1119.76	7156.00	7170.00	2026.91	5560.73	-92.21	4469.73	366.51	12.22	PASS
7825.00†	7169.55	1520.44	1219.75	7155.55	7169.55	2026.91	5560.73	-92.16	4370.42	366.43	11.95	PASS
7925.00†	7169.10	1520.20	1319.75	7155.10	7169.10	2026.91	5560.73	-92.11	4271.14	366.35	11.68	PASS
8025.00†	7168.65	1519.96	1419.75	7154.65	7168.65	2026.91	5560.73	-92.06	4171.89	366.28	11.41	PASS
8125.00†	7168.20	1519.73	1519.75	7154.20	7168.20	2026.91	5560.73	-92.01	4072.68	366.22	11.14	PASS
8225.00†	7167.75	1519.49	1619.75	7153.75	7167.75	2026.91	5560.73	-91.96	3973.51	366.16	10.87	PASS
8325.00†	7167.30	1519.25	1719.75	7153.30	7167.30	2026.91	5560.73	-91.91	3874.39	366.12	10.60	PASS
8425.00†	7166.85	1519.01	1819.75	7152.85	7166.85	2026.91	5560.73	-91.86	3775.30	366.10	10.33	PASS
8525.00†	7166.40	1518.77	1919.75	7152.40	7166.40	2026.91	5560.73	-91.81	3676.27	366.09	10.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	7151.95	7165.95	2026.91	5560.73	-91.76	3577.29	366.10	9.79	PASS
8725.00†	7165.51	1518.30	2119.74	7151.51	7165.51	2026.91	5560.73	-91.71	3478.37	366.13	9.52	PASS
8825.00†	7165.06	1518.06	2219.74	7151.06	7165.06	2026.91	5560.73	-91.66	3379.52	366.18	9.24	PASS
8925.00†	7164.61	1517.82	2319.74	7150.61	7164.61	2026.91	5560.73	-91.61	3280.73	366.27	8.97	PASS
9025.00†	7164.16	1517.58	2419.74	7150.16	7164.16	2026.91	5560.73	-91.56	3182.02	366.39	8.70	PASS
9125.00†	7163.71	1517.34	2519.74	7149.71	7163.71	2026.91	5560.73	-91.51	3083.39	366.55	8.43	PASS
9225.00†	7163.26	1517.10	2619.74	7149.26	7163.26	2026.91	5560.73	-91.46	2984.85	366.76	8.15	PASS
9325.00†	7162.81	1516.87	2719.73	7148.81	7162.81	2026.91	5560.73	-91.41	2886.42	367.02	7.88	PASS
9425.00†	7162.36	1516.63	2819.73	7148.36	7162.36	2026.91	5560.73	-91.36	2788.09	367.35	7.60	PASS
9525.00†	7161.91	1516.39	2919.73	7147.91	7161.91	2026.91	5560.73	-91.31	2689.89	367.75	7.33	PASS
9625.00†	7161.46	1516.15	3019.73	7147.46	7161.46	2026.91	5560.73	-91.26	2591.82	368.24	7.05	PASS
9725.00†	7161.01	1515.91	3119.73	7147.01	7161.01	2026.91	5560.73	-91.21	2493.91	368.84	6.77	PASS
9825.00†	7160.57	1515.67	3219.73	7146.57	7160.57	2026.91	5560.73	-91.17	2396.17	369.55	6.49	PASS
9925.00†	7160.12	1515.44	3319.73	7146.12	7160.12	2026.91	5560.73	-91.12	2298.63	370.40	6.22	PASS
10025.00†	7159.67	1515.20	3419.73	7145.67	7159.67	2026.91	5560.73	-91.07	2201.31	371.42	5.94	PASS
10125.00†	7159.22	1514.96	3519.72	7145.22	7159.22	2026.91	5560.73	-91.02	2104.23	372.63	5.66	PASS
10225.00†	7158.77	1514.72	3619.72	7144.77	7158.77	2026.91	5560.73	-90.97	2007.45	374.07	5.37	PASS
10325.00†	7158.32	1514.48	3719.72	7144.32	7158.32	2026.91	5560.73	-90.92	1910.99	375.78	5.09	PASS
10425.00†	7157.87	1514.24	3819.72	7143.87	7157.87	2026.91	5560.73	-90.87	1814.92	377.81	4.81	PASS
10525.00†	7157.42	1514.01	3919.72	7143.42	7157.42	2026.91	5560.73	-90.82	1719.30	380.20	4.53	PASS
10625.00†	7156.97	1513.77	4019.72	7142.97	7156.97	2026.91	5560.73	-90.77	1624.20	383.04	4.25	PASS
10725.00†	7156.52	1513.53	4119.72	7142.52	7156.52	2026.91	5560.73	-90.72	1529.73	386.40	3.96	PASS
10825.00†	7156.08	1513.29	4219.72	7142.08	7156.08	2026.91	5560.73	-90.67	1436.01	390.37	3.68	PASS
10925.00†	7155.63	1513.05	4319.71	7141.63	7155.63	2026.91	5560.73	-90.62	1343.19	395.08	3.40	PASS
11025.00†	7155.18	1512.81	4419.71	7141.18	7155.18	2026.91	5560.73	-90.57	1251.49	400.66	3.13	PASS
11125.00†	7154.73	1512.58	4519.71	7140.73	7154.73	2026.91	5560.73	-90.52	1161.15	407.30	2.85	PASS
11225.00†	7154.28	1512.34	4619.71	7140.28	7154.28	2026.91	5560.73	-90.47	1072.52	415.18	2.59	PASS
11325.00†	7153.83	1512.10	4719.71	7139.83	7153.83	2026.91	5560.73	-90.42	986.08	424.57	2.32	PASS
11425.00†	7153.38	1511.86	4819.71	7139.38	7153.38	2026.91	5560.73	-90.37	902.44	435.72	2.07	PASS
11525.00†	7152.93	1511.62	4919.71	7138.93	7152.93	2026.91	5560.73	-90.32	822.46	448.91	1.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	7138.48	7152.48	2026.91	5560.73	-90.27	747.31	464.38	1.61	PASS
11725.00†	7152.03	1511.15	5119.70	7138.03	7152.03	2026.91	5560.73	-90.22	678.62	482.14	1.41	PASS
11825.00†	7151.58	1510.91	5219.70	7137.58	7151.58	2026.91	5560.73	-90.17	618.52	501.74	1.23	PASS
11925.00†	7151.14	1510.67	5319.70	7137.14	7151.14	2026.91	5560.73	-90.12	569.74	521.90	1.09	PASS
12025.00†	7150.69	1510.43	5419.70	7136.69	7150.69	2026.91	5560.73	-90.07	535.39	540.17	0.99	FAIL
12125.00†	7150.24	1510.19	5519.70	7136.24	7150.24	2026.91	5560.73	-90.02	518.35	553.31	0.94	FAIL
12164.18†	7150.06	1510.10	5558.88	7136.48	7150.48	2026.91	5560.73	-90.05	516.82	556.44	0.93	FAIL
12186.14†	7149.96	1510.05	5580.84	7135.96	7149.96	2026.91	5560.73	-89.99	517.26	557.61	0.93	FAIL
12225.00†	7149.79	1509.95	5619.70	7135.79	7149.79	2026.91	5560.73	-89.97	520.31	558.69	0.93	FAIL
12325.00†	7149.34	1509.72	5719.70	7135.34	7149.34	2026.91	5560.73	-89.92	541.08	555.90	0.97	FAIL
12425.00†	7148.89	1509.48	5819.69	7134.89	7148.89	2026.91	5560.73	-89.87	578.62	546.85	1.06	PASS
12525.00†	7148.44	1509.24	5919.69	7134.44	7148.44	2026.91	5560.73	-89.82	629.96	534.35	1.18	PASS
12625.00†	7147.99	1509.00	6019.69	7133.99	7147.99	2026.91	5560.73	-89.77	692.01	520.80	1.33	PASS
12725.00†	7147.54	1508.76	6119.69	7133.54	7147.54	2026.91	5560.73	-89.72	762.18	507.62	1.50	PASS
12825.00†	7147.09	1508.52	6219.69	7133.09	7147.09	2026.91	5560.73	-89.67	838.43	495.54	1.69	PASS
12925.00†	7146.65	1508.28	6319.69	7132.65	7146.65	2026.91	5560.73	-89.62	919.24	484.76	1.90	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

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	Wellbore
0.00	7482.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7482>	EX. BARNEY 1 AWB



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	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	48.04	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	45.08	90.00	45.08	2.30	32.98	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	0.00	45.08	71.05	45.04	2.44	29.81	PASS
325.00†	324.96	2.58	0.89	324.79	324.79	0.09	45.13	74.13	44.31	3.06	20.63	PASS
421.24†	421.02	8.07	2.79	420.45	420.41	2.21	46.31	78.55	43.91	3.74	15.49	PASS
425.00†	424.77	8.35	2.89	424.12	424.08	2.35	46.38	78.73	43.91	3.76	15.36	PASS
525.00†	524.30	17.40	6.02	523.55	523.33	7.62	49.32	83.55	44.40	4.49	12.33	PASS
625.00†	623.44	29.74	10.29	623.09	622.41	15.90	53.93	88.33	45.79	5.25	10.45	PASS
725.00†	722.07	45.33	15.69	722.73	721.20	27.20	60.22	92.83	48.09	6.17	9.04	PASS
825.00†	820.05	64.17	22.20	822.54	819.91	40.11	67.40	98.70	51.20	7.29	7.95	PASS
882.76	876.31	76.52	26.48	880.08	876.82	47.55	71.54	103.41	53.58	8.03	7.45	PASS
925.00†	917.36	85.95	29.74	922.14	918.41	52.99	74.57	107.02	55.65	8.59	7.17	PASS
1025.00†	1014.53	108.26	37.46	1021.68	1016.86	65.86	81.73	114.53	61.35	9.89	6.76	PASS
1125.00†	1111.71	130.57	45.18	1121.22	1115.30	78.73	88.90	120.67	67.91	11.10	6.60	PASS
1225.00†	1208.88	152.88	52.90	1220.77	1213.75	91.60	96.06	125.70	75.11	12.22	6.58	PASS
1325.00†	1306.05	175.19	60.62	1320.31	1312.20	104.48	103.23	129.82	82.79	13.27	6.65	PASS
1425.00†	1403.23	197.50	68.34	1419.86	1410.65	117.35	110.39	133.23	90.82	14.23	6.77	PASS
1525.00†	1500.40	219.81	76.06	1519.40	1509.10	130.22	117.56	136.08	99.11	15.17	6.91	PASS
1625.00†	1597.57	242.12	83.78	1618.94	1607.54	143.09	124.72	138.48	107.62	16.07	7.06	PASS
1725.00†	1694.75	264.43	91.50	1718.49	1705.99	155.96	131.88	140.53	116.28	16.95	7.22	PASS
1825.00†	1791.92	286.74	99.21	1818.03	1804.44	168.84	139.05	142.29	125.08	17.09	7.59	PASS
1925.00†	1889.10	309.05	106.93	1917.58	1902.89	181.71	146.21	143.83	133.97	17.08	8.14	PASS
2025.00†	1986.27	331.36	114.65	2017.12	2001.33	194.58	153.38	145.17	142.95	17.15	8.65	PASS
2125.00†	2083.44	353.67	122.37	2116.66	2099.78	207.45	160.54	146.35	152.00	17.30	9.12	PASS
2225.00†	2180.62	375.98	130.09	2216.21	2198.23	220.32	167.71	147.40	161.10	17.54	9.53	PASS
2325.00†	2277.79	398.29	137.81	2315.75	2296.68	233.20	174.87	148.33	170.25	17.85	9.89	PASS
2425.00†	2374.96	420.60	145.53	2415.30	2395.13	246.07	182.03	149.17	179.44	18.24	10.19	PASS
2525.00†	2472.14	442.91	153.25	2514.84	2493.57	258.94	189.20	149.93	188.67	18.70	10.44	PASS
2625.00†	2569.31	465.22	160.97	2614.38	2592.02	271.81	196.36	150.62	197.92	19.23	10.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2666.48	487.53	168.69	2713.93	2690.47	284.69	203.53	151.24	207.20	19.80	10.81	PASS
2825.00†	2763.66	509.84	176.41	2813.47	2788.92	297.56	210.69	151.82	216.51	20.43	10.94	PASS
2925.00†	2860.83	532.15	184.13	2913.01	2887.36	310.43	217.86	152.34	225.83	21.11	11.04	PASS
3025.00†	2958.00	554.46	191.85	3012.56	2985.81	323.30	225.02	152.82	235.17	21.82	11.10	PASS
3125.00†	3055.18	576.77	199.57	3112.10	3084.26	336.17	232.18	153.27	244.53	22.58	11.15	PASS
3225.00†	3152.35	599.08	207.29	3211.65	3182.71	349.05	239.35	153.69	253.90	23.36	11.18	PASS
3325.00†	3249.52	621.39	215.01	3311.19	3281.16	361.92	246.51	154.07	263.28	24.18	11.19	PASS
3425.00†	3346.70	643.70	222.73	3410.73	3379.60	374.79	253.68	154.43	272.67	25.02	11.19	PASS
3525.00†	3443.87	666.01	230.45	3510.28	3478.05	387.66	260.84	154.76	282.08	25.88	11.18	PASS
3625.00†	3541.04	688.32	238.17	3609.82	3576.50	400.53	268.01	155.07	291.49	26.77	11.16	PASS
3725.00†	3638.22	710.63	245.88	3709.37	3674.95	413.41	275.17	155.37	300.91	27.68	11.13	PASS
3825.00†	3735.39	732.94	253.60	3808.91	3773.40	426.28	282.34	155.64	310.34	28.60	11.10	PASS
3925.00†	3832.56	755.25	261.32	3908.45	3871.84	439.15	289.50	155.90	319.77	29.54	11.07	PASS
4025.00†	3929.74	777.56	269.04	4008.00	3970.29	452.02	296.66	156.14	329.21	30.49	11.03	PASS
4125.00†	4026.91	799.87	276.76	4107.54	4068.74	464.90	303.83	156.38	338.65	31.45	10.99	PASS
4225.00†	4124.08	822.18	284.48	4207.09	4167.19	477.77	310.99	156.59	348.11	32.43	10.95	PASS
4325.00†	4221.26	844.49	292.20	4306.63	4265.63	490.64	318.16	156.80	357.56	33.41	10.91	PASS
4425.00†	4318.43	866.80	299.92	4406.17	4364.08	503.51	325.32	157.00	367.02	34.41	10.87	PASS
4525.00†	4415.60	889.11	307.64	4505.72	4462.53	516.38	332.49	157.18	376.48	35.41	10.83	PASS
4625.00†	4512.78	911.42	315.36	4605.26	4560.98	529.26	339.65	157.36	385.95	36.42	10.79	PASS
4725.00†	4609.95	933.72	323.08	4704.81	4659.43	542.13	346.81	157.53	395.42	37.44	10.74	PASS
4825.00†	4707.13	956.03	330.80	4804.35	4757.87	555.00	353.98	157.69	404.90	38.47	10.70	PASS
4925.00†	4804.30	978.34	338.52	4903.89	4856.32	567.87	361.14	157.84	414.37	39.50	10.66	PASS
5025.00†	4901.47	1000.65	346.24	5003.44	4954.77	580.74	368.31	157.99	423.85	40.54	10.62	PASS
5125.00†	4998.65	1022.96	353.96	5102.98	5053.22	593.62	375.47	158.13	433.34	41.58	10.59	PASS
5225.00†	5095.82	1045.27	361.68	5202.53	5151.67	606.49	382.64	158.26	442.82	42.62	10.55	PASS
5325.00†	5192.99	1067.58	369.40	5302.07	5250.11	619.36	389.80	158.39	452.31	43.68	10.51	PASS
5425.00†	5290.17	1089.89	377.12	5401.61	5348.56	632.23	396.97	158.51	461.80	44.73	10.47	PASS
5525.00†	5387.34	1112.20	384.84	5501.16	5447.01	645.11	404.13	158.63	471.29	45.79	10.44	PASS
5625.00†	5484.51	1134.51	392.56	5600.70	5545.46	657.98	411.29	158.74	480.78	46.85	10.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5581.69	1156.82	400.27	5700.25	5643.90	670.85	418.46	158.85	490.28	47.92	10.37	PASS
5825.00†	5678.86	1179.13	407.99	5799.79	5742.35	683.72	425.62	158.96	499.78	48.98	10.34	PASS
5925.00†	5776.03	1201.44	415.71	5899.33	5840.80	696.59	432.79	159.06	509.27	50.06	10.31	PASS
6025.00†	5873.21	1223.75	423.43	5998.88	5939.25	709.47	439.95	159.15	518.77	51.13	10.27	PASS
6125.00†	5970.38	1246.06	431.15	6098.42	6037.70	722.34	447.12	159.25	528.28	52.21	10.24	PASS
6225.00†	6067.55	1268.37	438.87	6197.96	6136.14	735.21	454.28	159.34	537.78	53.28	10.22	PASS
6325.00†	6164.73	1290.68	446.59	6297.51	6234.59	748.08	461.44	159.43	547.28	54.37	10.19	PASS
6425.00†	6261.90	1312.99	454.31	6397.05	6333.04	760.95	468.61	159.51	556.79	55.45	10.16	PASS
6525.00†	6359.07	1335.30	462.03	6496.60	6431.49	773.83	475.77	159.59	566.29	56.53	10.13	PASS
6625.00†	6456.25	1357.61	469.75	6594.60	6528.11	786.46	485.73	159.38	575.88	57.60	10.11	PASS
6725.00†	6553.42	1379.92	477.47	6689.14	6619.04	798.32	508.38	157.88	586.11	58.89	10.06	PASS
6770.11	6597.25	1389.99	480.95	6729.89	6657.01	803.27	522.29	156.84	591.20	59.44	10.05	PASS
6825.00†	6650.35	1402.17	487.54	6778.09	6700.68	808.96	541.86	138.15	597.82	60.12	10.05	PASS
6925.00†	6744.88	1423.86	511.48	6863.63	6774.10	818.50	584.57	116.24	610.45	61.45	10.04	PASS
7025.00†	6834.60	1444.41	550.31	6946.73	6839.37	826.97	635.20	103.71	623.27	63.01	9.99	PASS
7125.00†	6917.30	1463.34	603.05	7027.83	6896.25	834.33	692.47	95.71	635.68	64.77	9.91	PASS
7225.00†	6990.95	1480.16	668.41	7107.36	6944.57	840.56	755.26	90.19	647.14	66.96	9.76	PASS
7325.00†	7053.73	1494.48	744.79	7185.65	6984.21	845.65	822.52	86.24	657.16	69.66	9.52	PASS
7425.00†	7104.09	1505.93	830.30	7262.98	7015.03	849.58	893.29	83.44	665.36	72.88	9.21	PASS
7525.00†	7140.80	1514.24	922.83	7339.64	7036.97	852.34	966.64	81.56	671.42	76.63	8.83	PASS
7625.00†	7162.95	1519.20	1020.12	7415.85	7049.97	853.93	1041.67	80.47	675.14	80.75	8.43	PASS
7724.04	7170.00	1520.68	1118.80	7491.27	7054.00	854.35	1116.93	80.12	676.36	85.04	8.01	PASS
7725.00†	7170.00	1520.68	1119.76	7492.23	7053.99	854.34	1117.89	80.12	676.36	85.09	8.01	PASS
7825.00†	7169.55	1520.44	1219.75	7592.23	7053.56	854.14	1217.89	80.13	676.32	91.21	7.47	PASS
7925.00†	7169.10	1520.20	1319.75	7692.23	7053.12	853.94	1317.89	80.13	676.29	97.15	7.00	PASS
8025.00†	7168.65	1519.96	1419.75	7792.23	7052.69	853.73	1417.89	80.13	676.25	103.85	6.55	PASS
8125.00†	7168.20	1519.73	1519.75	7892.23	7052.25	853.53	1517.89	80.13	676.22	110.90	6.13	PASS
8225.00†	7167.75	1519.49	1619.75	7992.23	7051.81	853.32	1617.89	80.13	676.18	118.24	5.75	PASS
8325.00†	7167.30	1519.25	1719.75	8092.23	7051.38	853.12	1717.89	80.13	676.14	125.81	5.40	PASS
8425.00†	7166.85	1519.01	1819.75	8192.23	7050.94	852.92	1817.88	80.13	676.11	133.57	5.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8525.00†	7166.40	1518.77	1919.75	8292.23	7050.51	852.71	1917.88	80.13	676.07	141.50	4.80	PASS
8625.00†	7165.95	1518.53	2019.74	8392.23	7050.07	852.51	2017.88	80.13	676.03	149.56	4.54	PASS
8725.00†	7165.51	1518.30	2119.74	8492.23	7049.64	852.31	2117.88	80.13	676.00	157.74	4.30	PASS
8825.00†	7165.06	1518.06	2219.74	8592.23	7049.20	852.10	2217.88	80.13	675.96	166.01	4.08	PASS
8925.00†	7164.61	1517.82	2319.74	8692.23	7048.77	851.90	2317.88	80.13	675.92	174.38	3.89	PASS
9025.00†	7164.16	1517.58	2419.74	8792.23	7048.33	851.69	2417.88	80.13	675.89	182.81	3.71	PASS
9125.00†	7163.71	1517.34	2519.74	8892.23	7047.89	851.49	2517.88	80.13	675.85	191.31	3.54	PASS
9225.00†	7163.26	1517.10	2619.74	8992.23	7047.46	851.29	2617.87	80.13	675.82	199.86	3.39	PASS
9325.00†	7162.81	1516.87	2719.73	9092.23	7047.02	851.08	2717.87	80.13	675.78	208.46	3.25	PASS
9425.00†	7162.36	1516.63	2819.73	9192.23	7046.59	850.88	2817.87	80.14	675.74	217.10	3.12	PASS
9525.00†	7161.91	1516.39	2919.73	9292.23	7046.15	850.68	2917.87	80.14	675.71	225.78	3.00	PASS
9625.00†	7161.46	1516.15	3019.73	9392.23	7045.72	850.47	3017.87	80.14	675.67	234.49	2.89	PASS
9725.00†	7161.01	1515.91	3119.73	9492.23	7045.28	850.27	3117.87	80.14	675.63	243.24	2.78	PASS
9825.00†	7160.57	1515.67	3219.73	9592.23	7044.84	850.06	3217.87	80.14	675.60	252.01	2.69	PASS
9925.00†	7160.12	1515.44	3319.73	9692.23	7044.41	849.86	3317.87	80.14	675.56	260.80	2.59	PASS
10025.00†	7159.67	1515.20	3419.73	9792.23	7043.97	849.66	3417.87	80.14	675.52	269.62	2.51	PASS
10125.00†	7159.22	1514.96	3519.72	9892.23	7043.54	849.45	3517.86	80.14	675.49	278.45	2.43	PASS
10225.00†	7158.77	1514.72	3619.72	9992.23	7043.10	849.25	3617.86	80.14	675.45	287.30	2.35	PASS
10325.00†	7158.32	1514.48	3719.72	10092.23	7042.67	849.05	3717.86	80.14	675.42	296.17	2.28	PASS
10425.00†	7157.87	1514.24	3819.72	10192.23	7042.23	848.84	3817.86	80.14	675.38	305.06	2.22	PASS
10525.00†	7157.42	1514.01	3919.72	10292.23	7041.79	848.64	3917.86	80.14	675.34	313.95	2.15	PASS
10625.00†	7156.97	1513.77	4019.72	10392.23	7041.36	848.43	4017.86	80.14	675.31	322.86	2.09	PASS
10725.00†	7156.52	1513.53	4119.72	10492.23	7040.92	848.23	4117.86	80.14	675.27	331.78	2.04	PASS
10825.00†	7156.08	1513.29	4219.72	10592.23	7040.49	848.03	4217.86	80.14	675.23	340.72	1.98	PASS
10925.00†	7155.63	1513.05	4319.71	10692.23	7040.05	847.82	4317.86	80.14	675.20	349.66	1.93	PASS
11025.00†	7155.18	1512.81	4419.71	10792.23	7039.62	847.62	4417.85	80.15	675.16	358.61	1.88	PASS
11125.00†	7154.73	1512.58	4519.71	10892.23	7039.18	847.41	4517.85	80.15	675.12	367.57	1.84	PASS
11225.00†	7154.28	1512.34	4619.71	10992.23	7038.74	847.21	4617.85	80.15	675.09	376.53	1.79	PASS
11325.00†	7153.83	1512.10	4719.71	11092.23	7038.31	847.01	4717.85	80.15	675.05	385.51	1.75	PASS
11425.00†	7153.38	1511.86	4819.71	11192.23	7037.87	846.80	4817.85	80.15	675.02	394.49	1.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11525.00†	7152.93	1511.62	4919.71	11292.23	7037.44	846.60	4917.85	80.15	674.98	403.47	1.67	PASS
11625.00†	7152.48	1511.38	5019.71	11392.23	7037.00	846.40	5017.85	80.15	674.94	412.47	1.64	PASS
11725.00†	7152.03	1511.15	5119.70	11492.23	7036.57	846.19	5117.85	80.15	674.91	421.46	1.60	PASS
11825.00†	7151.58	1510.91	5219.70	11592.23	7036.13	845.99	5217.84	80.15	674.87	430.47	1.57	PASS
11925.00†	7151.14	1510.67	5319.70	11692.23	7035.69	845.78	5317.84	80.15	674.83	439.47	1.54	PASS
12025.00†	7150.69	1510.43	5419.70	11792.23	7035.26	845.58	5417.84	80.15	674.80	448.49	1.51	PASS
12125.00†	7150.24	1510.19	5519.70	11892.23	7034.82	845.38	5517.84	80.15	674.76	457.50	1.48	PASS
12225.00†	7149.79	1509.95	5619.70	11992.23	7034.39	845.17	5617.84	80.15	674.73	466.52	1.45	PASS
12325.00†	7149.34	1509.72	5719.70	12092.23	7033.95	844.97	5717.84	80.15	674.69	475.55	1.42	PASS
12425.00†	7148.89	1509.48	5819.69	12192.23	7033.52	844.77	5817.84	80.15	674.65	484.58	1.39	PASS
12525.00†	7148.44	1509.24	5919.69	12292.23	7033.08	844.56	5917.84	80.15	674.62	493.61	1.37	PASS
12625.00†	7147.99	1509.00	6019.69	12392.23	7032.65	844.36	6017.84	80.16	674.58	502.64	1.34	PASS
12725.00†	7147.54	1508.76	6119.69	12492.23	7032.21	844.15	6117.83	80.16	674.54	511.68	1.32	PASS
12825.00†	7147.09	1508.52	6219.69	12592.23	7031.77	843.95	6217.83	80.16	674.51	520.72	1.30	PASS
12925.00†	7146.65	1508.28	6319.69	12692.23	7031.34	843.75	6317.83	80.16	674.47	529.76	1.27	PASS
13025.00†	7146.20	1508.05	6419.69	12792.23	7030.90	843.54	6417.83	80.16	674.43	538.81	1.25	PASS
13125.00†	7145.75	1507.81	6519.69	12892.23	7030.47	843.34	6517.83	80.16	674.40	547.86	1.23	PASS
13225.00†	7145.30	1507.57	6619.68	12992.23	7030.03	843.13	6617.83	80.16	674.36	556.91	1.21	PASS
13325.00†	7144.85	1507.33	6719.68	13092.23	7029.60	842.93	6717.83	80.16	674.33	565.96	1.19	PASS
13425.00†	7144.40	1507.09	6819.68	13192.23	7029.16	842.73	6817.83	80.16	674.29	575.02	1.17	PASS
13525.00†	7143.95	1506.85	6919.68	13292.23	7028.72	842.52	6917.82	80.16	674.25	584.07	1.15	PASS
13625.00†	7143.50	1506.62	7019.68	13392.23	7028.29	842.32	7017.82	80.16	674.22	593.13	1.14	PASS
13725.00†	7143.05	1506.38	7119.68	13492.23	7027.85	842.12	7117.82	80.16	674.18	602.19	1.12	PASS
13825.00†	7142.60	1506.14	7219.68	13592.23	7027.42	841.91	7217.82	80.16	674.14	611.26	1.10	PASS
13925.00†	7142.15	1505.90	7319.68	13692.23	7026.98	841.71	7317.82	80.16	674.11	620.32	1.09	PASS
14025.00†	7141.71	1505.66	7419.67	13792.23	7026.55	841.50	7417.82	80.16	674.07	629.39	1.07	PASS
14125.00†	7141.26	1505.42	7519.67	13892.23	7026.11	841.30	7517.82	80.16	674.03	638.45	1.06	PASS
14225.00†	7140.81	1505.19	7619.67	13992.23	7025.67	841.10	7617.82	80.16	674.00	647.52	1.04	PASS
14325.00†	7140.36	1504.95	7719.67	14092.23	7025.24	840.89	7717.82	80.17	673.96	656.59	1.03	PASS
14425.00†	7139.91	1504.71	7819.67	14192.23	7024.80	840.69	7817.81	80.17	673.93	665.66	1.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
14525.00†	7139.46	1504.47	7919.67	14292.23	7024.37	840.49	7917.81	80.17	673.89	674.74	1.00	FAIL
14625.00†	7139.01	1504.23	8019.67	14392.23	7023.93	840.28	8017.81	80.17	673.85	683.81	0.99	FAIL
14725.00†	7138.56	1503.99	8119.67	14492.23	7023.50	840.08	8117.81	80.17	673.82	692.89	0.97	FAIL
14825.00†	7138.11	1503.76	8219.66	14592.23	7023.06	839.87	8217.81	80.17	673.78	701.96	0.96	FAIL
14925.00†	7137.66	1503.52	8319.66	14692.23	7022.62	839.67	8317.81	80.17	673.74	711.04	0.95	FAIL
15025.00†	7137.22	1503.28	8419.66	14792.23	7022.19	839.47	8417.81	80.17	673.71	720.12	0.94	FAIL
15072.98	7137.00	1503.17	8467.64	14835.61	7022.00	839.38	8461.19	80.17	673.71	724.15	0.93	FAIL

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	27.48	48.78	54.63
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1737.16	0.00	27.48	48.78	54.63
8.5in Open Hole	1750.00	14835.61	13085.61	1737.16	N/A	48.78	54.63	N/A	N/A

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	14511.61	7153.78	1924.80	-1.89	-0.06	7384.06	137.98	53.87	PASS
125.00†	125.00	0.00	0.00	14512.03	7153.78	1924.79	-1.47	-0.04	7287.56	139.30	52.65	PASS
200.00	200.00	0.00	0.00	14512.34	7153.78	1924.78	-1.16	-0.04	7215.25	139.95	51.89	PASS
225.00†	225.00	0.10	0.04	14512.46	7153.78	1924.78	-1.04	-19.73	7191.13	140.17	51.63	PASS
325.00†	324.96	2.58	0.89	14513.31	7153.79	1924.75	-0.19	-22.55	7094.20	141.00	50.64	PASS
425.00†	424.77	8.35	2.89	14514.72	7153.80	1924.72	1.22	-26.20	6996.60	141.77	49.67	PASS
525.00†	524.30	17.40	6.02	14516.71	7153.82	1924.66	3.21	-31.07	6898.41	142.47	48.73	PASS
625.00†	623.44	29.74	10.29	14519.29	7153.84	1924.60	5.78	-37.80	6799.75	143.08	47.82	PASS
725.00†	722.07	45.33	15.69	14522.45	7153.86	1924.52	8.95	-47.35	6700.70	143.60	46.95	PASS
825.00†	820.05	64.17	22.20	14526.21	7153.89	1924.44	12.71	-60.98	6601.38	144.04	46.12	PASS
882.76	876.31	76.52	26.48	14528.67	7153.91	1924.38	15.16	-71.03	6543.93	144.24	45.65	PASS
925.00†	917.36	85.95	29.74	14530.54	7153.93	1924.35	17.04	-70.94	6501.89	144.38	45.32	PASS
1025.00†	1014.53	108.26	37.46	14535.01	7153.96	1924.26	21.51	-70.70	6402.40	144.71	44.52	PASS
1125.00†	1111.71	130.57	45.18	14539.54	7154.00	1924.18	26.03	-70.46	6302.91	145.05	43.72	PASS
1225.00†	1208.88	152.88	52.90	14544.11	7154.04	1924.10	30.60	-70.21	6203.44	145.41	42.93	PASS
1325.00†	1306.05	175.19	60.62	14548.74	7154.08	1924.04	35.23	-69.96	6103.97	145.78	42.13	PASS
1425.00†	1403.23	197.50	68.34	14553.42	7154.11	1923.98	39.91	-69.70	6004.52	146.17	41.33	PASS
1525.00†	1500.40	219.81	76.06	14558.16	7154.15	1923.93	44.65	-69.43	5905.08	146.56	40.54	PASS
1625.00†	1597.57	242.12	83.78	14562.95	7154.20	1923.88	49.44	-69.16	5805.65	146.98	39.74	PASS
1725.00†	1694.75	264.43	91.50	14567.80	7154.24	1923.85	54.29	-68.88	5706.23	147.40	38.95	PASS
1825.00†	1791.92	286.74	99.21	14572.71	7154.28	1923.82	59.20	-68.59	5606.83	147.64	38.15	PASS
1925.00†	1889.10	309.05	106.93	14577.67	7154.33	1923.80	64.16	-68.30	5507.44	148.09	37.36	PASS
2025.00†	1986.27	331.36	114.65	14582.70	7154.37	1923.80	69.19	-67.99	5408.07	148.56	36.57	PASS
2125.00†	2083.44	353.67	122.37	14587.78	7154.42	1923.80	74.27	-67.68	5308.71	149.05	35.78	PASS
2225.00†	2180.62	375.98	130.09	14593.26	7154.47	1923.81	79.75	-67.34	5209.37	149.56	34.99	PASS
2325.00†	2277.79	398.29	137.81	14598.83	7154.52	1923.82	85.31	-66.99	5110.04	150.10	34.20	PASS
2425.00†	2374.96	420.60	145.53	14604.46	7154.58	1923.84	90.95	-66.63	5010.73	150.65	33.41	PASS
2525.00†	2472.14	442.91	153.25	14610.17	7154.64	1923.87	96.65	-66.25	4911.44	151.22	32.63	PASS
2625.00†	2569.31	465.22	160.97	14615.95	7154.70	1923.90	102.43	-65.87	4812.17	151.82	31.84	PASS
2725.00†	2666.48	487.53	168.69	14621.80	7154.76	1923.94	108.29	-65.48	4712.92	152.44	31.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	14627.73	7154.83	1923.98	114.22	-65.07	4613.68	153.09	30.27	PASS
2925.00†	2860.83	532.15	184.13	14633.74	7154.90	1924.03	120.23	-64.66	4514.47	153.76	29.49	PASS
3025.00†	2958.00	554.46	191.85	14639.83	7154.98	1924.08	126.32	-64.23	4415.29	154.47	28.71	PASS
3125.00†	3055.18	576.77	199.57	14646.00	7155.06	1924.15	132.49	-63.79	4316.13	155.20	27.93	PASS
3225.00†	3152.35	599.08	207.29	14652.26	7155.14	1924.21	138.74	-63.33	4216.99	155.97	27.16	PASS
3325.00†	3249.52	621.39	215.01	14658.60	7155.22	1924.29	145.08	-62.87	4117.88	156.77	26.38	PASS
3425.00†	3346.70	643.70	222.73	14665.02	7155.31	1924.37	151.50	-62.38	4018.80	157.61	25.61	PASS
3525.00†	3443.87	666.01	230.45	14671.53	7155.41	1924.47	158.01	-61.88	3919.75	158.49	24.84	PASS
3625.00†	3541.04	688.32	238.17	14678.16	7155.50	1924.57	164.64	-61.37	3820.74	159.42	24.07	PASS
3725.00†	3638.22	710.63	245.88	14685.98	7155.62	1924.69	172.46	-60.75	3721.76	160.40	23.30	PASS
3825.00†	3735.39	732.94	253.60	14693.87	7155.75	1924.81	180.35	-60.11	3622.81	161.44	22.54	PASS
3925.00†	3832.56	755.25	261.32	14701.84	7155.87	1924.94	188.31	-59.46	3523.91	162.53	21.77	PASS
4025.00†	3929.74	777.56	269.04	14709.88	7156.01	1925.08	196.35	-58.78	3425.04	163.67	21.01	PASS
4125.00†	4026.91	799.87	276.76	14718.00	7156.14	1925.21	204.46	-58.09	3326.22	164.88	20.26	PASS
4225.00†	4124.08	822.18	284.48	14726.19	7156.28	1925.36	212.65	-57.37	3227.44	166.16	19.50	PASS
4325.00†	4221.26	844.49	292.20	14734.46	7156.43	1925.50	220.92	-56.63	3128.72	167.51	18.75	PASS
4425.00†	4318.43	866.80	299.92	14742.80	7156.58	1925.65	229.26	-55.88	3030.06	168.94	18.01	PASS
4525.00†	4415.60	889.11	307.64	14751.23	7156.73	1925.80	237.69	-55.09	2931.45	170.46	17.27	PASS
4625.00†	4512.78	911.42	315.36	14759.74	7156.89	1925.96	246.19	-54.29	2832.92	172.07	16.53	PASS
4725.00†	4609.95	933.72	323.08	14768.31	7157.06	1926.12	254.76	-53.46	2734.46	173.80	15.79	PASS
4825.00†	4707.13	956.03	330.80	14776.83	7157.22	1926.30	263.28	-52.62	2636.08	175.64	15.07	PASS
4925.00†	4804.30	978.34	338.52	14785.37	7157.37	1926.50	271.81	-51.76	2537.80	177.61	14.34	PASS
5025.00†	4901.47	1000.65	346.24	14793.92	7157.53	1926.74	280.36	-50.88	2439.62	179.74	13.62	PASS
5125.00†	4998.65	1022.96	353.96	14802.48	7157.67	1927.00	288.91	-49.98	2341.56	182.04	12.91	PASS
5225.00†	5095.82	1045.27	361.68	14811.05	7157.81	1927.29	297.47	-49.06	2243.63	184.53	12.20	PASS
5325.00†	5192.99	1067.58	369.40	14819.63	7157.94	1927.61	306.05	-48.13	2145.85	187.23	11.50	PASS
5425.00†	5290.17	1089.89	377.12	14828.22	7158.07	1927.95	314.63	-47.17	2048.25	190.18	10.81	PASS
5525.00†	5387.34	1112.20	384.84	14836.82	7158.20	1928.33	323.23	-46.19	1950.84	193.42	10.12	PASS
5625.00†	5484.51	1134.51	392.56	14845.44	7158.31	1928.73	331.83	-45.20	1853.67	196.98	9.44	PASS
5725.00†	5581.69	1156.82	400.27	14854.06	7158.42	1929.16	340.44	-44.19	1756.76	200.92	8.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14863.15	7158.54	1929.64	349.52	-43.10	1660.16	205.31	8.11	PASS
5925.00†	5776.03	1201.44	415.71	14872.54	7158.66	1930.14	358.89	-41.96	1563.93	210.23	7.46	PASS
6025.00†	5873.21	1223.75	423.43	14882.00	7158.78	1930.64	368.34	-40.80	1468.14	215.76	6.82	PASS
6125.00†	5970.38	1246.06	431.15	14891.54	7158.91	1931.16	377.86	-39.60	1372.88	222.02	6.20	PASS
6225.00†	6067.55	1268.37	438.87	14901.15	7159.04	1931.68	387.46	-38.39	1278.27	229.15	5.59	PASS
6325.00†	6164.73	1290.68	446.59	14910.84	7159.18	1932.21	397.14	-37.14	1184.46	237.34	5.00	PASS
6425.00†	6261.90	1312.99	454.31	14920.61	7159.32	1932.75	406.89	-35.87	1091.65	246.82	4.43	PASS
6525.00†	6359.07	1335.30	462.03	14930.46	7159.47	1933.29	416.73	-34.58	1000.14	257.87	3.89	PASS
6625.00†	6456.25	1357.61	469.75	14940.40	7159.62	1933.85	426.64	-33.26	910.29	270.84	3.37	PASS
6725.00†	6553.42	1379.92	477.47	14950.11	7159.77	1934.39	436.34	-31.96	822.67	286.12	2.88	PASS
6770.11	6597.25	1389.99	480.95	14954.37	7159.84	1934.63	440.59	-31.38	784.07	293.88	2.67	PASS
6825.00†	6650.35	1402.17	487.54	14961.72	7159.96	1935.06	447.93	-54.32	738.40	304.18	2.43	PASS
6925.00†	6744.88	1423.86	511.48	14986.15	7160.41	1936.50	472.32	-80.25	661.06	325.41	2.03	PASS
7025.00†	6834.60	1444.41	550.31	15024.63	7161.24	1938.90	510.71	-93.11	593.95	349.04	1.70	PASS
7125.00†	6917.30	1463.34	603.05	15081.79	7162.67	1942.51	567.73	-98.44	539.50	373.40	1.45	PASS
7225.00†	6990.95	1480.16	668.41	15157.36	7164.67	1946.63	643.16	-99.23	498.41	396.07	1.26	PASS
7325.00†	7053.73	1494.48	744.79	15252.04	7167.17	1949.18	737.78	-97.18	468.69	414.83	1.13	PASS
7425.00†	7104.09	1505.93	830.30	15355.05	7169.80	1948.13	840.74	-94.34	447.17	428.50	1.04	PASS
7525.00†	7140.80	1514.24	922.83	15425.00	7171.69	1945.43	910.61	-93.22	432.47	438.14	0.99	FAIL
7546.82†	7146.90	1515.61	943.74	15425.00	7171.69	1945.43	910.61	-93.41	431.80	438.76	0.98	FAIL
7547.83†	7147.16	1515.67	944.71	15425.00	7171.69	1945.43	910.61	-93.41	431.81	438.76	0.98	FAIL
7625.00†	7162.95	1519.20	1020.12	15425.00	7171.69	1945.43	910.61	-93.02	440.16	432.65	1.02	PASS
7724.04	7170.00	1520.68	1118.80	15425.00	7171.69	1945.43	910.61	-90.10	473.03	409.90	1.15	PASS
7725.00†	7170.00	1520.68	1119.76	15425.00	7171.69	1945.43	910.61	-90.10	473.45	409.63	1.16	PASS
7825.00†	7169.55	1520.44	1219.75	15425.00	7171.69	1945.43	910.61	-90.10	525.54	378.59	1.39	PASS
7925.00†	7169.10	1520.20	1319.75	15425.00	7171.69	1945.43	910.61	-90.10	590.10	346.73	1.70	PASS
8025.00†	7168.65	1519.96	1419.75	15425.00	7171.69	1945.43	910.61	-90.10	663.52	317.57	2.09	PASS
8125.00†	7168.20	1519.73	1519.75	15425.00	7171.69	1945.43	910.61	-90.10	743.16	292.24	2.55	PASS
8225.00†	7167.75	1519.49	1619.75	15425.00	7171.69	1945.43	910.61	-90.10	827.24	270.72	3.06	PASS
8325.00†	7167.30	1519.25	1719.75	15425.00	7171.69	1945.43	910.61	-90.10	914.52	252.55	3.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	752.28	-4955.20	759.98	-4948.45
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1744.45	752.28	-4955.20	759.98	-4948.45
8.5in Open Hole	1761.00	15425.00	13664.00	1744.45	7171.69	759.98	-4948.45	968.61	-2199.91

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 23C-22-M AWB Offset Wellpath: HOOD 23C-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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14270.62	7166.47	1057.57	-167.56	-9.00	7221.29	113.24	64.28	PASS
125.00†	125.00	0.00	0.00	14272.17	7166.49	1057.63	-166.01	-8.92	7122.41	114.15	62.89	PASS
200.00	200.00	0.00	0.00	14273.33	7166.52	1057.67	-164.85	-8.86	7048.27	114.42	62.09	PASS
225.00†	225.00	0.10	0.04	14273.75	7166.52	1057.68	-164.43	-29.53	7023.55	114.52	61.82	PASS
325.00†	324.96	2.58	0.89	14276.11	7166.57	1057.77	-162.07	-37.75	6924.42	114.86	60.76	PASS
425.00†	424.77	8.35	2.89	14279.54	7166.63	1057.89	-158.64	-50.61	6824.98	115.15	59.74	PASS
525.00†	524.30	17.40	6.02	14285.45	7166.74	1058.10	-152.73	-70.50	6725.34	115.40	58.73	PASS
625.00†	623.44	29.74	10.29	14292.93	7166.88	1058.35	-145.26	-96.62	6625.61	115.60	57.76	PASS
725.00†	722.07	45.33	15.69	14301.78	7167.04	1058.63	-136.41	-120.68	6525.92	115.74	56.83	PASS
825.00†	820.05	64.17	22.20	14311.97	7167.23	1058.92	-126.24	-137.24	6426.37	115.81	55.92	PASS
882.76	876.31	76.52	26.48	14318.43	7167.36	1059.09	-119.77	-143.87	6369.00	115.82	55.42	PASS
925.00†	917.36	85.95	29.74	14323.31	7167.45	1059.22	-114.90	-144.07	6327.07	115.82	55.06	PASS
1025.00†	1014.53	108.26	37.46	14334.77	7167.68	1059.48	-103.44	-144.55	6227.83	115.82	54.19	PASS
1125.00†	1111.71	130.57	45.18	14346.14	7167.90	1059.70	-92.08	-145.04	6128.59	115.81	53.34	PASS
1225.00†	1208.88	152.88	52.90	14357.42	7168.13	1059.89	-80.81	-145.54	6029.36	115.79	52.48	PASS
1325.00†	1306.05	175.19	60.62	14368.59	7168.35	1060.04	-69.63	-146.06	5930.13	115.77	51.62	PASS
1425.00†	1403.23	197.50	68.34	14385.54	7168.70	1060.19	-52.69	-146.86	5830.91	115.82	50.74	PASS
1525.00†	1500.40	219.81	76.06	14402.72	7169.04	1060.23	-35.52	-147.72	5731.69	115.86	49.86	PASS
1625.00†	1597.57	242.12	83.78	14419.27	7169.37	1060.16	-18.96	-148.58	5632.46	115.89	48.98	PASS
1725.00†	1694.75	264.43	91.50	14435.24	7169.68	1059.99	-3.00	-149.45	5533.23	115.90	48.11	PASS
1825.00†	1791.92	286.74	99.21	14450.66	7169.97	1059.73	12.41	-150.32	5434.01	115.69	47.25	PASS
1925.00†	1889.10	309.05	106.93	14463.76	7170.22	1059.44	25.51	-151.09	5334.79	115.65	46.41	PASS
2025.00†	1986.27	331.36	114.65	14474.42	7170.42	1059.18	36.16	-151.73	5235.58	115.58	45.57	PASS
2125.00†	2083.44	353.67	122.37	14484.98	7170.61	1058.90	46.72	-152.38	5136.38	115.51	44.74	PASS
2225.00†	2180.62	375.98	130.09	14495.43	7170.81	1058.62	57.17	-153.04	5037.19	115.43	43.90	PASS
2325.00†	2277.79	398.29	137.81	14505.79	7171.00	1058.32	67.52	-153.71	4938.02	115.34	43.07	PASS
2425.00†	2374.96	420.60	145.53	14516.05	7171.18	1058.01	77.77	-154.39	4838.87	115.25	42.24	PASS
2525.00†	2472.14	442.91	153.25	14526.21	7171.37	1057.70	87.93	-155.08	4739.73	115.15	41.41	PASS
2625.00†	2569.31	465.22	160.97	14536.28	7171.55	1057.37	97.99	-155.78	4640.61	115.04	40.58	PASS
2725.00†	2666.48	487.53	168.69	14546.26	7171.73	1057.03	107.96	-156.49	4541.50	114.93	39.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	14554.19	7171.87	1056.76	115.89	-157.06	4442.42	114.79	38.93	PASS
2925.00†	2860.83	532.15	184.13	14561.45	7172.00	1056.52	123.14	-157.59	4343.37	114.64	38.12	PASS
3025.00†	2958.00	554.46	191.85	14568.80	7172.13	1056.30	130.49	-158.14	4244.35	114.49	37.30	PASS
3125.00†	3055.18	576.77	199.57	14576.25	7172.27	1056.09	137.93	-158.70	4145.36	114.33	36.48	PASS
3225.00†	3152.35	599.08	207.29	14583.78	7172.40	1055.89	145.46	-159.27	4046.40	114.17	35.66	PASS
3325.00†	3249.52	621.39	215.01	14591.42	7172.54	1055.71	153.09	-159.87	3947.47	114.00	34.84	PASS
3425.00†	3346.70	643.70	222.73	14599.15	7172.69	1055.54	160.82	-160.47	3848.59	113.83	34.02	PASS
3525.00†	3443.87	666.01	230.45	14606.99	7172.83	1055.39	168.66	-161.10	3749.74	113.66	33.19	PASS
3625.00†	3541.04	688.32	238.17	14614.93	7172.98	1055.25	176.59	-161.74	3650.94	113.48	32.37	PASS
3725.00†	3638.22	710.63	245.88	14622.97	7173.13	1055.13	184.63	-162.40	3552.19	113.30	31.54	PASS
3825.00†	3735.39	732.94	253.60	14631.12	7173.28	1055.03	192.78	-163.08	3453.48	113.12	30.72	PASS
3925.00†	3832.56	755.25	261.32	14639.87	7173.44	1054.94	201.52	-163.82	3354.83	112.94	29.89	PASS
4025.00†	3929.74	777.56	269.04	14650.99	7173.65	1054.83	212.65	-164.78	3256.23	112.78	29.05	PASS
4125.00†	4026.91	799.87	276.76	14661.96	7173.85	1054.70	223.61	-165.75	3157.69	112.62	28.21	PASS
4225.00†	4124.08	822.18	284.48	14672.77	7174.04	1054.57	234.42	-166.72	3059.20	112.46	27.37	PASS
4325.00†	4221.26	844.49	292.20	14683.43	7174.22	1054.43	245.08	-167.70	2960.79	112.31	26.52	PASS
4425.00†	4318.43	866.80	299.92	14693.94	7174.40	1054.29	255.59	-168.69	2862.46	112.16	25.68	PASS
4525.00†	4415.60	889.11	307.64	14704.30	7174.56	1054.14	265.95	-169.69	2764.21	112.02	24.83	PASS
4625.00†	4512.78	911.42	315.36	14714.52	7174.73	1053.97	276.16	-170.68	2666.05	111.91	23.97	PASS
4725.00†	4609.95	933.72	323.08	14724.60	7174.88	1053.81	286.24	-171.69	2568.00	111.82	23.11	PASS
4825.00†	4707.13	956.03	330.80	14733.36	7175.01	1053.66	295.00	-172.57	2470.08	111.76	22.24	PASS
4925.00†	4804.30	978.34	338.52	14741.51	7175.14	1053.51	303.14	-173.41	2372.29	111.76	21.36	PASS
5025.00†	4901.47	1000.65	346.24	14749.67	7175.27	1053.35	311.30	-174.26	2274.67	111.82	20.46	PASS
5125.00†	4998.65	1022.96	353.96	14757.85	7175.40	1053.18	319.48	-175.12	2177.23	111.99	19.56	PASS
5225.00†	5095.82	1045.27	361.68	14766.04	7175.53	1053.01	327.67	-175.99	2080.00	112.28	18.64	PASS
5325.00†	5192.99	1067.58	369.40	14774.25	7175.67	1052.83	335.88	-176.88	1983.01	112.75	17.69	PASS
5425.00†	5290.17	1089.89	377.12	14782.48	7175.81	1052.64	344.10	-177.78	1886.30	113.43	16.73	PASS
5525.00†	5387.34	1112.20	384.84	14790.72	7175.95	1052.44	352.34	-178.69	1789.90	114.40	15.74	PASS
5625.00†	5484.51	1134.51	392.56	14798.98	7176.09	1052.24	360.59	-179.61	1693.88	115.74	14.72	PASS
5725.00†	5581.69	1156.82	400.27	14807.26	7176.24	1052.03	368.86	-179.46	1598.30	117.56	13.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14815.55	7176.39	1051.80	377.15	178.51	1503.25	120.00	12.60	PASS
5925.00†	5776.03	1201.44	415.71	14823.97	7176.54	1051.56	385.57	177.54	1408.83	123.26	11.49	PASS
6025.00†	5873.21	1223.75	423.43	14832.31	7176.70	1051.30	393.90	176.57	1315.18	127.57	10.36	PASS
6125.00†	5970.38	1246.06	431.15	14840.53	7176.85	1051.03	402.12	175.61	1222.48	133.22	9.22	PASS
6225.00†	6067.55	1268.37	438.87	14848.63	7177.00	1050.73	410.21	174.65	1130.95	140.59	8.08	PASS
6325.00†	6164.73	1290.68	446.59	14856.61	7177.14	1050.41	418.19	173.70	1040.92	150.14	6.96	PASS
6425.00†	6261.90	1312.99	454.31	14864.48	7177.29	1050.08	426.05	172.76	952.81	162.46	5.89	PASS
6525.00†	6359.07	1335.30	462.03	14872.24	7177.43	1049.73	433.80	171.83	867.21	178.22	4.88	PASS
6625.00†	6456.25	1357.61	469.75	14879.90	7177.57	1049.37	441.44	170.90	784.93	198.21	3.97	PASS
6725.00†	6553.42	1379.92	477.47	14887.44	7177.71	1048.99	448.98	169.99	707.15	223.24	3.17	PASS
6770.11	6597.25	1389.99	480.95	14890.81	7177.77	1048.81	452.34	169.58	673.95	236.36	2.86	PASS
6825.00†	6650.35	1402.17	487.54	14896.98	7177.88	1048.48	458.50	156.78	635.79	253.91	2.51	PASS
6925.00†	6744.88	1423.86	511.48	14930.47	7178.44	1046.82	491.94	141.12	574.90	290.27	1.98	PASS
7025.00†	6834.60	1444.41	550.31	14999.07	7178.93	1046.57	560.53	129.14	526.26	329.07	1.60	PASS
7125.00†	6917.30	1463.34	603.05	15058.22	7178.96	1048.53	619.64	121.27	490.71	364.82	1.35	PASS
7225.00†	6990.95	1480.16	668.41	15121.87	7178.94	1051.18	683.24	114.24	468.60	394.40	1.19	PASS
7325.00†	7053.73	1494.48	744.79	15190.01	7178.99	1052.80	751.36	107.62	459.14	415.86	1.10	PASS
7379.80†	7082.95	1501.13	790.65	15233.71	7179.04	1053.33	795.06	103.93	458.01	424.46	1.08	PASS
7425.00†	7104.09	1505.93	830.30	15270.95	7179.08	1053.57	832.29	101.12	458.54	430.08	1.07	PASS
7501.11†	7133.33	1512.55	900.21	15339.00	7179.20	1053.90	900.34	96.89	460.95	437.63	1.05	PASS
7525.00†	7140.80	1514.24	922.83	15339.00	7179.20	1053.90	900.34	96.58	462.49	438.01	1.06	PASS
7625.00†	7162.95	1519.20	1020.12	15339.00	7179.20	1053.90	900.34	94.45	480.74	428.27	1.12	PASS
7724.04	7170.00	1520.68	1118.80	15339.00	7179.20	1053.90	900.34	91.01	515.46	404.85	1.27	PASS
7725.00†	7170.00	1520.68	1119.76	15339.00	7179.20	1053.90	900.34	91.01	515.86	404.58	1.28	PASS
7825.00†	7169.55	1520.44	1219.75	15339.00	7179.20	1053.90	900.34	91.01	565.49	374.27	1.51	PASS
7925.00†	7169.10	1520.20	1319.75	15339.00	7179.20	1053.90	900.34	91.01	627.25	343.19	1.83	PASS
8025.00†	7168.65	1519.96	1419.75	15339.00	7179.20	1053.90	900.34	91.01	697.94	314.41	2.22	PASS
8125.00†	7168.20	1519.73	1519.75	15339.00	7179.20	1053.90	900.34	91.01	775.10	289.04	2.69	PASS
8225.00†	7167.75	1519.49	1619.75	15339.00	7179.20	1053.90	900.34	91.01	857.00	267.20	3.21	PASS
8325.00†	7167.30	1519.25	1719.75	15339.00	7179.20	1053.90	900.34	91.01	942.40	248.56	3.80	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	703.42	-4955.09	698.55	-4924.01
9.625in Casing Surface	25.00	1779.00	1754.00	10.00	1759.13	703.42	-4955.09	698.49	-4923.59
8.5in Open Hole	1765.00	15339.00	13574.00	1745.19	7179.20	698.55	-4924.01	672.44	-2203.07

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	155.78	109.86	1.56	181.50	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-100.19	45.08	155.78	109.86	1.89	117.61	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-100.19	45.08	155.78	109.86	2.31	81.03	PASS
225.00†	225.00	0.10	0.04	225.86	225.86	-100.12	44.98	136.76	109.84	2.46	72.95	PASS
325.00†	324.96	2.58	0.89	329.23	329.19	-98.46	42.73	138.46	109.44	3.56	41.75	PASS
425.00†	424.77	8.35	2.89	432.25	432.00	-94.60	37.50	142.43	108.85	5.22	25.34	PASS
471.17†	470.76	12.12	4.19	479.81	479.37	-92.09	34.09	145.03	108.75	5.82	22.21	PASS
525.00†	524.30	17.40	6.02	534.65	533.89	-88.60	29.36	148.63	108.97	6.49	19.55	PASS
625.00†	623.44	29.74	10.29	636.17	634.48	-80.53	18.40	156.81	111.11	7.57	16.67	PASS
725.00†	722.07	45.33	15.69	736.55	733.42	-70.46	4.75	166.33	116.87	8.53	15.32	PASS
825.00†	820.05	64.17	22.20	834.12	829.21	-59.47	-10.17	175.55	128.14	9.41	15.06	PASS
882.76	876.31	76.52	26.48	890.09	884.16	-53.15	-18.74	179.86	137.56	9.92	15.25	PASS
925.00†	917.36	85.95	29.74	930.96	924.28	-48.54	-24.99	176.89	145.37	10.24	15.57	PASS
1025.00†	1014.53	108.26	37.46	1027.69	1019.25	-37.63	-39.80	170.99	165.15	11.03	16.31	PASS
1125.00†	1111.71	130.57	45.18	1124.43	1114.22	-26.72	-54.61	166.37	186.28	11.90	16.95	PASS
1225.00†	1208.88	152.88	52.90	1221.16	1209.20	-15.80	-69.41	162.69	208.36	12.83	17.48	PASS
1325.00†	1306.05	175.19	60.62	1317.90	1304.17	-4.89	-84.22	159.71	231.11	13.81	17.92	PASS
1425.00†	1403.23	197.50	68.34	1414.64	1399.14	6.02	-99.03	157.27	254.34	14.83	18.27	PASS
1525.00†	1500.40	219.81	76.06	1511.37	1494.11	16.94	-113.84	155.23	277.95	15.89	18.56	PASS
1625.00†	1597.57	242.12	83.78	1608.11	1589.08	27.85	-128.64	153.51	301.83	16.97	18.80	PASS
1725.00†	1694.75	264.43	91.50	1704.84	1684.05	38.76	-143.45	152.05	325.94	18.07	19.00	PASS
1825.00†	1791.92	286.74	99.21	1801.58	1779.02	49.68	-158.26	150.78	350.22	18.49	19.66	PASS
1925.00†	1889.10	309.05	106.93	1898.31	1873.99	60.59	-173.07	149.68	374.64	18.68	20.81	PASS
2025.00†	1986.27	331.36	114.65	1995.05	1968.96	71.50	-187.87	148.72	399.18	18.85	21.96	PASS
2125.00†	2083.44	353.67	122.37	2091.79	2063.93	82.42	-202.68	147.86	423.81	19.10	23.01	PASS
2225.00†	2180.62	375.98	130.09	2188.52	2158.90	93.33	-217.49	147.10	448.52	19.41	23.95	PASS
2325.00†	2277.79	398.29	137.81	2285.26	2253.87	104.25	-232.30	146.42	473.30	19.78	24.78	PASS
2425.00†	2374.96	420.60	145.53	2381.99	2348.84	115.16	-247.10	145.80	498.13	20.21	25.51	PASS
2525.00†	2472.14	442.91	153.25	2478.73	2443.81	126.07	-261.91	145.25	523.02	20.69	26.14	PASS
2625.00†	2569.31	465.22	160.97	2575.46	2538.79	136.99	-276.72	144.74	547.94	21.22	26.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2666.48	487.53	168.69	2672.20	2633.76	147.90	-291.52	-144.28	572.90	21.80	27.12	PASS
2825.00†	2763.66	509.84	176.41	2768.94	2728.73	158.81	-306.33	-143.86	597.89	22.43	27.49	PASS
2925.00†	2860.83	532.15	184.13	2865.67	2823.70	169.73	-321.14	-143.47	622.92	23.09	27.80	PASS
3025.00†	2958.00	554.46	191.85	2962.41	2918.67	180.64	-335.95	-143.11	647.96	23.79	28.04	PASS
3125.00†	3055.18	576.77	199.57	3059.14	3013.64	191.55	-350.75	-142.78	673.03	24.53	28.22	PASS
3225.00†	3152.35	599.08	207.29	3155.88	3108.61	202.47	-365.56	-142.47	698.12	25.29	28.37	PASS
3325.00†	3249.52	621.39	215.01	3252.62	3203.58	213.38	-380.37	-142.18	723.22	26.09	28.47	PASS
3425.00†	3346.70	643.70	222.73	3349.35	3298.55	224.29	-395.18	-141.91	748.35	26.91	28.54	PASS
3525.00†	3443.87	666.01	230.45	3446.09	3393.52	235.21	-409.98	-141.66	773.48	27.75	28.58	PASS
3625.00†	3541.04	688.32	238.17	3542.82	3488.49	246.12	-424.79	-141.43	798.63	28.61	28.60	PASS
3725.00†	3638.22	710.63	245.88	3639.56	3583.46	257.03	-439.60	-141.21	823.79	29.49	28.60	PASS
3825.00†	3735.39	732.94	253.60	3736.29	3678.43	267.95	-454.41	-141.00	848.96	30.39	28.58	PASS
3925.00†	3832.56	755.25	261.32	3833.03	3773.41	278.86	-469.21	-140.81	874.14	31.30	28.55	PASS
4025.00†	3929.74	777.56	269.04	3929.77	3868.38	289.78	-484.02	-140.62	899.33	32.23	28.50	PASS
4125.00†	4026.91	799.87	276.76	4026.50	3963.35	300.69	-498.83	-140.45	924.53	33.18	28.45	PASS
4225.00†	4124.08	822.18	284.48	4123.24	4058.32	311.60	-513.64	-140.28	949.74	34.13	28.39	PASS
4325.00†	4221.26	844.49	292.20	4219.97	4153.29	322.52	-528.44	-140.13	974.95	35.10	28.33	PASS
4425.00†	4318.43	866.80	299.92	4316.71	4248.26	333.43	-543.25	-139.98	1000.17	36.08	28.26	PASS
4525.00†	4415.60	889.11	307.64	4413.44	4343.23	344.34	-558.06	-139.84	1025.40	37.06	28.19	PASS
4625.00†	4512.78	911.42	315.36	4510.18	4438.20	355.26	-572.87	-139.70	1050.63	38.06	28.11	PASS
4725.00†	4609.95	933.72	323.08	4606.92	4533.17	366.17	-587.67	-139.57	1075.87	39.06	28.03	PASS
4825.00†	4707.13	956.03	330.80	4703.65	4628.14	377.08	-602.48	-139.45	1101.11	40.07	27.95	PASS
4925.00†	4804.30	978.34	338.52	4800.39	4723.11	388.00	-617.29	-139.33	1126.35	41.09	27.87	PASS
5025.00†	4901.47	1000.65	346.24	4897.12	4818.08	398.91	-632.10	-139.22	1151.60	42.12	27.79	PASS
5125.00†	4998.65	1022.96	353.96	4993.86	4913.05	409.82	-646.90	-139.11	1176.86	43.15	27.71	PASS
5225.00†	5095.82	1045.27	361.68	5090.59	5008.02	420.74	-661.71	-139.01	1202.11	44.18	27.63	PASS
5325.00†	5192.99	1067.58	369.40	5187.33	5103.00	431.65	-676.52	-138.91	1227.37	45.22	27.56	PASS
5425.00†	5290.17	1089.89	377.12	5284.07	5197.97	442.57	-691.33	-138.82	1252.64	46.27	27.48	PASS
5525.00†	5387.34	1112.20	384.84	5380.80	5292.94	453.48	-706.13	-138.73	1277.91	47.32	27.40	PASS
5625.00†	5484.51	1134.51	392.56	5477.54	5387.91	464.39	-720.94	-138.64	1303.18	48.38	27.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5725.00†	5581.69	1156.82	400.27	5574.27	5482.88	475.31	-735.75	-138.56	1328.45	49.43	27.25	PASS
5825.00†	5678.86	1179.13	407.99	5671.01	5577.85	486.22	-750.56	-138.48	1353.73	50.50	27.18	PASS
5925.00†	5776.03	1201.44	415.71	8099.61	6976.72	647.95	420.12	166.82	1322.13	59.35	22.53	PASS
6025.00†	5873.21	1223.75	423.43	8106.99	6976.70	647.95	427.51	166.30	1244.69	62.40	20.16	PASS
6125.00†	5970.38	1246.06	431.15	8114.37	6976.67	647.95	434.89	165.78	1170.63	65.85	17.96	PASS
6225.00†	6067.55	1268.37	438.87	8121.76	6976.64	647.95	442.27	165.26	1100.63	69.71	15.94	PASS
6325.00†	6164.73	1290.68	446.59	8129.14	6976.62	647.95	449.65	164.74	1035.51	73.99	14.12	PASS
6425.00†	6261.90	1312.99	454.31	8136.52	6976.59	647.96	457.04	164.22	976.25	78.64	12.52	PASS
6525.00†	6359.07	1335.30	462.03	8143.90	6976.56	647.96	464.42	163.70	923.98	83.54	11.15	PASS
6625.00†	6456.25	1357.61	469.75	8151.29	6976.54	647.96	471.80	163.18	879.95	88.50	10.02	PASS
6725.00†	6553.42	1379.92	477.47	8158.67	6976.51	647.96	479.18	162.66	845.44	93.26	9.13	PASS
6770.11	6597.25	1389.99	480.95	8162.00	6976.50	647.96	482.51	162.42	833.32	95.25	8.81	PASS
6825.00†	6650.35	1402.17	487.54	8168.40	6976.48	647.97	488.92	146.28	821.70	97.56	8.48	PASS
6925.00†	6744.88	1423.86	511.48	8192.02	6976.39	647.97	512.53	127.13	809.69	101.54	8.02	PASS
7025.00†	6834.60	1444.41	550.31	8230.53	6976.26	647.98	551.04	115.14	808.93	105.16	7.74	PASS
7125.00†	6917.30	1463.34	603.05	8282.98	6976.07	648.00	603.50	105.84	817.45	108.47	7.58	PASS
7225.00†	6990.95	1480.16	668.41	8348.09	6975.84	648.02	668.60	97.79	832.28	111.78	7.49	PASS
7325.00†	7053.73	1494.48	744.79	8424.25	6975.57	648.04	744.76	90.77	850.04	115.47	7.40	PASS
7425.00†	7104.09	1505.93	830.30	8509.58	6975.27	648.07	830.09	85.01	867.49	119.85	7.28	PASS
7525.00†	7140.80	1514.24	922.83	8601.99	6974.94	648.09	922.50	80.76	881.88	125.04	7.09	PASS
7625.00†	7162.95	1519.20	1020.12	8699.20	6974.60	648.12	1019.71	78.19	891.20	131.02	6.83	PASS
7724.04	7170.00	1520.68	1118.80	8797.85	6974.25	648.15	1118.36	77.36	894.22	137.60	6.53	PASS
7725.00†	7170.00	1520.68	1119.76	8798.81	6974.25	648.15	1119.32	77.36	894.22	137.67	6.52	PASS
7825.00†	7169.55	1520.44	1219.75	8898.81	6973.89	648.18	1219.32	77.36	893.93	144.64	6.21	PASS
7925.00†	7169.10	1520.20	1319.75	8998.81	6973.54	648.21	1319.32	77.36	893.65	151.90	5.91	PASS
8025.00†	7168.65	1519.96	1419.75	9098.81	6973.19	648.24	1419.32	77.36	893.37	159.41	5.62	PASS
8125.00†	7168.20	1519.73	1519.75	9198.81	6972.83	648.27	1519.32	77.36	893.09	167.11	5.36	PASS
8225.00†	7167.75	1519.49	1619.75	9298.81	6972.48	648.30	1619.32	77.37	892.81	174.98	5.12	PASS
8325.00†	7167.30	1519.25	1719.75	9398.81	6972.13	648.33	1719.31	77.37	892.52	182.99	4.89	PASS
8425.00†	7166.85	1519.01	1819.75	9498.81	6971.77	648.36	1819.31	77.37	892.24	191.12	4.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8525.00†	7166.40	1518.77	1919.75	9598.81	6971.42	648.39	1919.31	77.37	891.96	199.34	4.49	PASS
8625.00†	7165.95	1518.53	2019.74	9698.81	6971.06	648.42	2019.31	77.38	891.68	207.65	4.31	PASS
8725.00†	7165.51	1518.30	2119.74	9798.81	6970.71	648.45	2119.31	77.38	891.39	216.03	4.14	PASS
8825.00†	7165.06	1518.06	2219.74	9898.81	6970.36	648.48	2219.31	77.38	891.11	224.47	3.98	PASS
8925.00†	7164.61	1517.82	2319.74	9998.81	6970.00	648.51	2319.31	77.38	890.83	232.96	3.83	PASS
9025.00†	7164.16	1517.58	2419.74	10098.81	6969.65	648.54	2419.31	77.39	890.55	241.51	3.70	PASS
9125.00†	7163.71	1517.34	2519.74	10198.80	6969.29	648.56	2519.31	77.39	890.27	250.09	3.57	PASS
9225.00†	7163.26	1517.10	2619.74	10298.80	6968.94	648.59	2619.31	77.39	889.98	258.71	3.45	PASS
9325.00†	7162.81	1516.87	2719.73	10398.80	6968.59	648.62	2719.30	77.39	889.70	267.36	3.33	PASS
9425.00†	7162.36	1516.63	2819.73	10498.80	6968.23	648.65	2819.30	77.39	889.42	276.04	3.23	PASS
9525.00†	7161.91	1516.39	2919.73	10598.80	6967.88	648.68	2919.30	77.40	889.14	284.74	3.13	PASS
9625.00†	7161.46	1516.15	3019.73	10698.80	6967.53	648.71	3019.30	77.40	888.85	293.47	3.03	PASS
9725.00†	7161.01	1515.91	3119.73	10798.80	6967.17	648.74	3119.30	77.40	888.57	302.22	2.94	PASS
9825.00†	7160.57	1515.67	3219.73	10898.80	6966.82	648.77	3219.30	77.40	888.29	310.99	2.86	PASS
9925.00†	7160.12	1515.44	3319.73	10998.80	6966.46	648.80	3319.30	77.41	888.01	319.77	2.78	PASS
10025.00†	7159.67	1515.20	3419.73	11098.80	6966.11	648.83	3419.30	77.41	887.73	328.57	2.71	PASS
10125.00†	7159.22	1514.96	3519.72	11198.80	6965.76	648.86	3519.30	77.41	887.44	337.39	2.63	PASS
10225.00†	7158.77	1514.72	3619.72	11298.80	6965.40	648.89	3619.29	77.41	887.16	346.21	2.57	PASS
10325.00†	7158.32	1514.48	3719.72	11398.80	6965.05	648.92	3719.29	77.41	886.88	355.05	2.50	PASS
10425.00†	7157.87	1514.24	3819.72	11498.80	6964.70	648.95	3819.29	77.42	886.60	363.90	2.44	PASS
10525.00†	7157.42	1514.01	3919.72	11598.80	6964.34	648.98	3919.29	77.42	886.31	372.76	2.38	PASS
10625.00†	7156.97	1513.77	4019.72	11698.80	6963.99	649.01	4019.29	77.42	886.03	381.63	2.32	PASS
10725.00†	7156.52	1513.53	4119.72	11798.80	6963.63	649.04	4119.29	77.42	885.75	390.50	2.27	PASS
10825.00†	7156.08	1513.29	4219.72	11898.80	6963.28	649.07	4219.29	77.43	885.47	399.39	2.22	PASS
10925.00†	7155.63	1513.05	4319.71	11998.80	6962.93	649.10	4319.29	77.43	885.19	408.28	2.17	PASS
11025.00†	7155.18	1512.81	4419.71	12098.80	6962.57	649.13	4419.29	77.43	884.90	417.18	2.12	PASS
11125.00†	7154.73	1512.58	4519.71	12198.80	6962.22	649.15	4519.29	77.43	884.62	426.08	2.08	PASS
11225.00†	7154.28	1512.34	4619.71	12298.80	6961.87	649.18	4619.28	77.43	884.34	435.00	2.03	PASS
11325.00†	7153.83	1512.10	4719.71	12398.80	6961.51	649.21	4719.28	77.44	884.06	443.91	1.99	PASS
11425.00†	7153.38	1511.86	4819.71	12498.80	6961.16	649.24	4819.28	77.44	883.77	452.83	1.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11525.00†	7152.93	1511.62	4919.71	12598.80	6960.80	649.27	4919.28	77.44	883.49	461.76	1.91	PASS
11625.00†	7152.48	1511.38	5019.71	12698.79	6960.45	649.30	5019.28	77.44	883.21	470.69	1.88	PASS
11725.00†	7152.03	1511.15	5119.70	12798.79	6960.10	649.33	5119.28	77.44	882.93	479.63	1.84	PASS
11825.00†	7151.58	1510.91	5219.70	12898.79	6959.74	649.36	5219.28	77.45	882.65	488.57	1.81	PASS
11925.00†	7151.14	1510.67	5319.70	12998.79	6959.39	649.39	5319.28	77.45	882.36	497.52	1.77	PASS
12025.00†	7150.69	1510.43	5419.70	13098.79	6959.04	649.42	5419.28	77.45	882.08	506.46	1.74	PASS
12125.00†	7150.24	1510.19	5519.70	13198.79	6958.68	649.45	5519.28	77.45	881.80	515.42	1.71	PASS
12225.00†	7149.79	1509.95	5619.70	13298.79	6958.33	649.48	5619.27	77.46	881.52	524.37	1.68	PASS
12325.00†	7149.34	1509.72	5719.70	13398.79	6957.97	649.51	5719.27	77.46	881.24	533.33	1.65	PASS
12425.00†	7148.89	1509.48	5819.69	13498.79	6957.62	649.54	5819.27	77.46	880.95	542.29	1.63	PASS
12525.00†	7148.44	1509.24	5919.69	13598.79	6957.27	649.57	5919.27	77.46	880.67	551.25	1.60	PASS
12625.00†	7147.99	1509.00	6019.69	13698.79	6956.91	649.60	6019.27	77.47	880.39	560.22	1.57	PASS
12725.00†	7147.54	1508.76	6119.69	13798.79	6956.56	649.63	6119.27	77.47	880.11	569.19	1.55	PASS
12825.00†	7147.09	1508.52	6219.69	13898.79	6956.21	649.66	6219.27	77.47	879.82	578.16	1.52	PASS
12925.00†	7146.65	1508.28	6319.69	13998.79	6955.85	649.69	6319.27	77.47	879.54	587.14	1.50	PASS
13025.00†	7146.20	1508.05	6419.69	14098.79	6955.50	649.72	6419.27	77.47	879.26	596.11	1.48	PASS
13125.00†	7145.75	1507.81	6519.69	14198.79	6955.14	649.74	6519.26	77.48	878.98	605.09	1.45	PASS
13225.00†	7145.30	1507.57	6619.68	14298.79	6954.79	649.77	6619.26	77.48	878.70	614.07	1.43	PASS
13325.00†	7144.85	1507.33	6719.68	14398.79	6954.44	649.80	6719.26	77.48	878.41	623.06	1.41	PASS
13425.00†	7144.40	1507.09	6819.68	14498.79	6954.08	649.83	6819.26	77.48	878.13	632.04	1.39	PASS
13525.00†	7143.95	1506.85	6919.68	14598.79	6953.73	649.86	6919.26	77.49	877.85	641.03	1.37	PASS
13625.00†	7143.50	1506.62	7019.68	14698.79	6953.38	649.89	7019.26	77.49	877.57	650.01	1.35	PASS
13725.00†	7143.05	1506.38	7119.68	14798.79	6953.02	649.92	7119.26	77.49	877.29	659.00	1.33	PASS
13825.00†	7142.60	1506.14	7219.68	14898.79	6952.67	649.95	7219.26	77.49	877.00	668.00	1.31	PASS
13925.00†	7142.15	1505.90	7319.68	14998.79	6952.31	649.98	7319.26	77.50	876.72	676.99	1.30	PASS
14025.00†	7141.71	1505.66	7419.67	15098.79	6951.96	650.01	7419.26	77.50	876.44	685.98	1.28	PASS
14125.00†	7141.26	1505.42	7519.67	15198.78	6951.61	650.04	7519.25	77.50	876.16	694.98	1.26	PASS
14225.00†	7140.81	1505.19	7619.67	15298.78	6951.25	650.07	7619.25	77.50	875.87	703.98	1.24	PASS
14325.00†	7140.36	1504.95	7719.67	15398.78	6950.90	650.10	7719.25	77.50	875.59	712.98	1.23	PASS
14425.00†	7139.91	1504.71	7819.67	15498.78	6950.55	650.13	7819.25	77.51	875.31	721.98	1.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
14525.00†	7139.46	1504.47	7919.67	15598.78	6950.19	650.16	7919.25	77.51	875.03	730.98	1.20	PASS
14625.00†	7139.01	1504.23	8019.67	15698.78	6949.84	650.19	8019.25	77.51	874.75	739.98	1.18	PASS
14725.00†	7138.56	1503.99	8119.67	15798.78	6949.48	650.22	8119.25	77.51	874.46	748.99	1.17	PASS
14825.00†	7138.11	1503.76	8219.66	15898.78	6949.13	650.25	8219.25	77.52	874.18	757.99	1.15	PASS
14925.00†	7137.66	1503.52	8319.66	15998.78	6948.78	650.28	8319.25	77.52	873.90	767.00	1.14	PASS
15025.00†	7137.22	1503.28	8419.66	16098.78	6948.42	650.31	8419.25	77.52	873.62	776.00	1.13	PASS
15072.98	7137.00	1503.17	8467.64	16146.76	6948.25	650.32	8467.22	77.52	873.48	780.33	1.12	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	27.48	-17.17	-32.09
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1728.38	-61.07	27.48	-17.17	-32.09
8.5in Open Hole	1750.00	16500.84	14750.84	1728.38	6947.00	-17.17	-32.09	167.72	2702.47

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



Clearance Report
TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-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	64.51	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-60.10	-90.00	60.10	2.29	44.49	PASS
225.00†	225.00	0.10	0.04	225.13	225.13	0.11	-60.08	-109.08	60.11	2.43	40.23	PASS
325.00†	324.96	2.58	0.89	325.63	325.59	2.67	-59.44	-109.00	60.34	3.10	27.84	PASS
425.00†	424.77	8.35	2.89	426.13	425.90	8.66	-57.96	-108.82	60.86	3.91	20.30	PASS
525.00†	524.30	17.40	6.02	526.63	525.93	18.06	-55.64	-108.53	61.68	4.74	16.07	PASS
625.00†	623.44	29.74	10.29	627.12	625.54	30.85	-52.47	-108.15	62.81	5.65	13.19	PASS
725.00†	722.07	45.33	15.69	727.61	724.63	47.03	-48.47	-107.69	64.23	6.69	11.04	PASS
825.00†	820.05	64.17	22.20	828.08	823.06	66.57	-43.64	-107.16	65.96	7.90	9.38	PASS
882.76	876.31	76.52	26.48	886.10	879.56	79.38	-40.48	-106.83	67.09	8.68	8.57	PASS
925.00†	917.36	85.95	29.74	928.53	920.70	89.44	-37.99	-106.34	67.90	9.25	8.08	PASS
1025.00†	1014.53	108.26	37.46	1028.86	1017.34	115.59	-31.52	-103.20	69.42	10.72	7.02	PASS
1125.00†	1111.71	130.57	45.18	1128.82	1112.64	144.89	-24.27	-97.40	70.92	12.36	6.14	PASS
1225.00†	1208.88	152.88	52.90	1228.19	1206.25	177.20	-16.29	-89.24	73.38	14.14	5.50	PASS
1325.00†	1306.05	175.19	60.62	1327.27	1298.77	211.62	-7.77	-80.04	77.83	15.94	5.13	PASS
1425.00†	1403.23	197.50	68.34	1426.41	1391.31	246.14	0.76	-71.94	84.11	17.56	5.01	PASS
1525.00†	1500.40	219.81	76.06	1525.55	1483.86	280.67	9.30	-65.07	91.84	18.96	5.05	PASS
1625.00†	1597.57	242.12	83.78	1624.69	1576.40	315.19	17.84	-59.32	100.68	20.19	5.19	PASS
1725.00†	1694.75	264.43	91.50	1723.83	1668.94	349.71	26.37	-54.53	110.37	21.29	5.38	PASS
1825.00†	1791.92	286.74	99.21	1822.97	1761.48	384.24	34.91	-50.53	120.70	21.33	5.82	PASS
1925.00†	1889.10	309.05	106.93	1922.10	1854.02	418.76	43.45	-47.17	131.52	21.01	6.44	PASS
2025.00†	1986.27	331.36	114.65	2021.24	1946.56	453.29	51.98	-44.33	142.72	20.81	7.07	PASS
2125.00†	2083.44	353.67	122.37	2120.38	2039.11	487.81	60.52	-41.91	154.22	20.74	7.66	PASS
2225.00†	2180.62	375.98	130.09	2219.52	2131.65	522.33	69.06	-39.82	165.96	20.79	8.23	PASS
2325.00†	2277.79	398.29	137.81	2318.66	2224.19	556.86	77.60	-38.01	177.88	20.96	8.75	PASS
2425.00†	2374.96	420.60	145.53	2417.80	2316.73	591.38	86.13	-36.43	189.96	21.23	9.22	PASS
2525.00†	2472.14	442.91	153.25	2516.94	2409.27	625.90	94.67	-35.04	202.17	21.59	9.65	PASS
2625.00†	2569.31	465.22	160.97	2616.08	2501.81	660.43	103.21	-33.81	214.47	22.04	10.02	PASS
2725.00†	2666.48	487.53	168.69	2715.22	2594.36	694.95	111.74	-32.71	226.87	22.56	10.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2814.36	2686.90	729.47	120.28	-31.72	239.34	23.16	10.63	PASS
2925.00†	2860.83	532.15	184.13	2913.50	2779.44	764.00	128.82	-30.84	251.87	23.81	10.87	PASS
3025.00†	2958.00	554.46	191.85	3012.64	2871.98	798.52	137.35	-30.03	264.46	24.52	11.08	PASS
3125.00†	3055.18	576.77	199.57	3111.78	2964.52	833.04	145.89	-29.30	277.09	25.28	11.25	PASS
3225.00†	3152.35	599.08	207.29	3210.92	3057.06	867.57	154.43	-28.64	289.76	26.08	11.39	PASS
3325.00†	3249.52	621.39	215.01	3310.06	3149.61	902.09	162.96	-28.03	302.47	26.92	11.51	PASS
3425.00†	3346.70	643.70	222.73	3409.20	3242.15	936.61	171.50	-27.47	315.21	27.79	11.61	PASS
3525.00†	3443.87	666.01	230.45	3508.34	3334.69	971.14	180.04	-26.95	327.97	28.70	11.69	PASS
3625.00†	3541.04	688.32	238.17	3607.48	3427.23	1005.66	188.58	-26.47	340.76	29.63	11.76	PASS
3725.00†	3638.22	710.63	245.88	3706.62	3519.77	1040.18	197.11	-26.03	353.58	30.59	11.81	PASS
3825.00†	3735.39	732.94	253.60	3805.76	3612.31	1074.71	205.65	-25.61	366.41	31.56	11.85	PASS
3925.00†	3832.56	755.25	261.32	3904.90	3704.85	1109.23	214.19	-25.23	379.26	32.56	11.88	PASS
4025.00†	3929.74	777.56	269.04	4004.04	3797.40	1143.75	222.72	-24.87	392.12	33.58	11.91	PASS
4125.00†	4026.91	799.87	276.76	4103.18	3889.94	1178.28	231.26	-24.53	405.00	34.61	11.93	PASS
4225.00†	4124.08	822.18	284.48	4202.32	3982.48	1212.80	239.80	-24.21	417.90	35.65	11.94	PASS
4325.00†	4221.26	844.49	292.20	4301.46	4075.02	1247.33	248.33	-23.92	430.80	36.71	11.95	PASS
4425.00†	4318.43	866.80	299.92	4400.60	4167.56	1281.85	256.87	-23.64	443.72	37.78	11.95	PASS
4525.00†	4415.60	889.11	307.64	4499.74	4260.10	1316.37	265.41	-23.37	456.64	38.86	11.95	PASS
4625.00†	4512.78	911.42	315.36	4598.88	4352.65	1350.90	273.94	-23.12	469.58	39.95	11.95	PASS
4725.00†	4609.95	933.72	323.08	4698.02	4445.19	1385.42	282.48	-22.89	482.52	41.05	11.94	PASS
4825.00†	4707.13	956.03	330.80	4797.16	4537.73	1419.94	291.02	-22.66	495.47	42.16	11.94	PASS
4925.00†	4804.30	978.34	338.52	4896.30	4630.27	1454.47	299.56	-22.45	508.42	43.27	11.93	PASS
5025.00†	4901.47	1000.65	346.24	4995.44	4722.81	1488.99	308.09	-22.25	521.39	44.39	11.92	PASS
5125.00†	4998.65	1022.96	353.96	5094.58	4815.35	1523.51	316.63	-22.06	534.36	45.52	11.91	PASS
5225.00†	5095.82	1045.27	361.68	5193.72	4907.90	1558.04	325.17	-21.87	547.33	46.65	11.90	PASS
5325.00†	5192.99	1067.58	369.40	5292.86	5000.44	1592.56	333.70	-21.70	560.31	47.79	11.89	PASS
5425.00†	5290.17	1089.89	377.12	5392.00	5092.98	1627.08	342.24	-21.53	573.30	48.94	11.87	PASS
5525.00†	5387.34	1112.20	384.84	5491.14	5185.52	1661.61	350.78	-21.37	586.29	50.08	11.86	PASS
5625.00†	5484.51	1134.51	392.56	5590.28	5278.06	1696.13	359.31	-21.22	599.28	51.24	11.85	PASS
5725.00†	5581.69	1156.82	400.27	5689.42	5370.60	1730.65	367.85	-21.07	612.28	52.39	11.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5788.56	5463.15	1765.18	376.39	-20.93	625.28	53.55	11.82	PASS
5925.00†	5776.03	1201.44	415.71	5887.70	5555.69	1799.70	384.92	-20.80	638.29	54.72	11.81	PASS
6025.00†	5873.21	1223.75	423.43	5986.84	5648.23	1834.22	393.46	-20.67	651.30	55.88	11.79	PASS
6125.00†	5970.38	1246.06	431.15	6085.98	5740.77	1868.75	402.00	-20.55	664.31	57.05	11.78	PASS
6225.00†	6067.55	1268.37	438.87	6185.12	5833.31	1903.27	410.54	-20.43	677.32	58.23	11.76	PASS
6325.00†	6164.73	1290.68	446.59	6284.26	5925.85	1937.80	419.07	-20.31	690.34	59.40	11.75	PASS
6425.00†	6261.90	1312.99	454.31	6383.40	6018.40	1972.32	427.61	-20.20	703.36	60.58	11.74	PASS
6525.00†	6359.07	1335.30	462.03	6482.54	6110.94	2006.84	436.15	-20.10	716.38	61.76	11.72	PASS
6625.00†	6456.25	1357.61	469.75	6581.68	6203.48	2041.37	444.68	-19.99	729.41	62.94	11.71	PASS
6725.00†	6553.42	1379.92	477.47	6680.82	6296.02	2075.89	453.22	-19.90	742.44	64.12	11.70	PASS
6770.11	6597.25	1389.99	480.95	6725.54	6337.76	2091.46	457.07	-19.85	748.31	64.66	11.69	PASS
6825.00†	6650.35	1402.17	487.54	6779.91	6388.52	2110.40	461.75	-36.09	755.51	65.32	11.68	PASS
6925.00†	6744.88	1423.86	511.48	6877.76	6479.86	2144.47	470.18	-54.61	768.92	66.59	11.66	PASS
7025.00†	6834.60	1444.41	550.31	6972.01	6567.84	2177.29	478.29	-64.97	783.24	67.99	11.63	PASS
7125.00†	6917.30	1463.34	603.05	7066.05	6655.54	2210.01	487.14	-71.88	799.67	69.61	11.60	PASS
7225.00†	6990.95	1480.16	668.41	7178.60	6758.25	2248.32	512.01	-77.22	817.72	71.59	11.53	PASS
7325.00†	7053.73	1494.48	744.79	7304.88	6866.56	2288.70	562.34	-81.42	836.12	74.61	11.30	PASS
7425.00†	7104.09	1505.93	830.30	7448.17	6975.42	2329.27	645.71	-84.88	853.53	77.99	11.04	PASS
7525.00†	7140.80	1514.24	922.83	7610.81	7074.28	2366.08	768.91	-87.62	868.19	82.07	10.66	PASS
7625.00†	7162.95	1519.20	1020.12	7791.84	7146.03	2392.75	932.29	-89.47	878.13	87.08	10.16	PASS
7724.04	7170.00	1520.68	1118.80	7982.76	7172.01	2402.33	1120.47	-90.13	881.65	92.72	9.57	PASS
7725.00†	7170.00	1520.68	1119.76	7984.38	7172.00	2402.33	1122.08	-90.13	881.65	92.77	9.57	PASS
7825.00†	7169.55	1520.44	1219.75	8084.38	7171.45	2402.06	1222.08	-90.12	881.63	98.34	9.02	PASS
7925.00†	7169.10	1520.20	1319.75	8184.38	7170.91	2401.80	1322.08	-90.12	881.60	104.42	8.49	PASS
8025.00†	7168.65	1519.96	1419.75	8284.38	7170.37	2401.54	1422.08	-90.11	881.58	110.94	7.99	PASS
8125.00†	7168.20	1519.73	1519.75	8384.38	7169.82	2401.28	1522.08	-90.11	881.55	117.84	7.52	PASS
8225.00†	7167.75	1519.49	1619.75	8484.38	7169.28	2401.01	1622.08	-90.10	881.53	125.03	7.08	PASS
8325.00†	7167.30	1519.25	1719.75	8584.38	7168.74	2400.75	1722.07	-90.09	881.50	132.49	6.68	PASS
8425.00†	7166.85	1519.01	1819.75	8684.38	7168.19	2400.49	1822.07	-90.09	881.48	140.16	6.32	PASS
8525.00†	7166.40	1518.77	1919.75	8784.38	7167.65	2400.22	1922.07	-90.08	881.46	148.01	5.98	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	8884.38	7167.10	2399.96	2022.07	-90.08	881.43	156.01	5.67	PASS
8725.00†	7165.51	1518.30	2119.74	8984.38	7166.56	2399.70	2122.07	-90.07	881.41	164.15	5.39	PASS
8825.00†	7165.06	1518.06	2219.74	9084.38	7166.02	2399.44	2222.06	-90.06	881.38	172.40	5.13	PASS
8925.00†	7164.61	1517.82	2319.74	9184.38	7165.47	2399.17	2322.06	-90.06	881.36	180.75	4.89	PASS
9025.00†	7164.16	1517.58	2419.74	9284.38	7164.93	2398.91	2422.06	-90.05	881.33	189.18	4.67	PASS
9125.00†	7163.71	1517.34	2519.74	9384.38	7164.38	2398.65	2522.06	-90.04	881.31	197.69	4.47	PASS
9225.00†	7163.26	1517.10	2619.74	9484.38	7163.84	2398.38	2622.06	-90.04	881.28	206.26	4.28	PASS
9325.00†	7162.81	1516.87	2719.73	9584.38	7163.30	2398.12	2722.05	-90.03	881.26	214.88	4.11	PASS
9425.00†	7162.36	1516.63	2819.73	9684.38	7162.75	2397.86	2822.05	-90.03	881.23	223.56	3.95	PASS
9525.00†	7161.91	1516.39	2919.73	9784.38	7162.21	2397.60	2922.05	-90.02	881.21	232.28	3.80	PASS
9625.00†	7161.46	1516.15	3019.73	9884.38	7161.66	2397.33	3022.05	-90.01	881.18	241.04	3.66	PASS
9725.00†	7161.01	1515.91	3119.73	9984.38	7161.12	2397.07	3122.05	-90.01	881.16	249.84	3.53	PASS
9825.00†	7160.57	1515.67	3219.73	10084.38	7160.58	2396.81	3222.05	-90.00	881.14	258.67	3.41	PASS
9925.00†	7160.12	1515.44	3319.73	10184.38	7160.03	2396.54	3322.04	-90.00	881.11	267.53	3.30	PASS
10025.00†	7159.67	1515.20	3419.73	10284.38	7159.49	2396.28	3422.04	-89.99	881.09	276.41	3.19	PASS
10125.00†	7159.22	1514.96	3519.72	10384.38	7158.95	2396.02	3522.04	-89.98	881.06	285.32	3.09	PASS
10225.00†	7158.77	1514.72	3619.72	10484.38	7158.40	2395.75	3622.04	-89.98	881.04	294.25	3.00	PASS
10325.00†	7158.32	1514.48	3719.72	10584.38	7157.86	2395.49	3722.04	-89.97	881.01	303.20	2.91	PASS
10425.00†	7157.87	1514.24	3819.72	10684.38	7157.31	2395.23	3822.03	-89.96	880.99	312.16	2.83	PASS
10525.00†	7157.42	1514.01	3919.72	10784.38	7156.77	2394.97	3922.03	-89.96	880.96	321.15	2.75	PASS
10625.00†	7156.97	1513.77	4019.72	10884.38	7156.23	2394.70	4022.03	-89.95	880.94	330.14	2.67	PASS
10725.00†	7156.52	1513.53	4119.72	10984.38	7155.68	2394.44	4122.03	-89.95	880.92	339.16	2.60	PASS
10825.00†	7156.08	1513.29	4219.72	11084.38	7155.14	2394.18	4222.03	-89.94	880.89	348.18	2.53	PASS
10925.00†	7155.63	1513.05	4319.71	11184.38	7154.59	2393.91	4322.02	-89.93	880.87	357.22	2.47	PASS
11025.00†	7155.18	1512.81	4419.71	11284.38	7154.05	2393.65	4422.02	-89.93	880.84	366.26	2.41	PASS
11125.00†	7154.73	1512.58	4519.71	11384.38	7153.51	2393.39	4522.02	-89.92	880.82	375.32	2.35	PASS
11225.00†	7154.28	1512.34	4619.71	11484.38	7152.96	2393.13	4622.02	-89.91	880.79	384.39	2.29	PASS
11325.00†	7153.83	1512.10	4719.71	11584.38	7152.42	2392.86	4722.02	-89.91	880.77	393.46	2.24	PASS
11425.00†	7153.38	1511.86	4819.71	11684.38	7151.87	2392.60	4822.02	-89.90	880.74	402.54	2.19	PASS
11525.00†	7152.93	1511.62	4919.71	11784.38	7151.33	2392.34	4922.01	-89.90	880.72	411.64	2.14	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	11884.38	7150.79	2392.07	5022.01	-89.89	880.70	420.73	2.10	PASS
11725.00†	7152.03	1511.15	5119.70	11984.38	7150.24	2391.81	5122.01	-89.88	880.67	429.84	2.05	PASS
11825.00†	7151.58	1510.91	5219.70	12084.38	7149.70	2391.55	5222.01	-89.88	880.65	438.95	2.01	PASS
11925.00†	7151.14	1510.67	5319.70	12184.38	7149.16	2391.29	5322.01	-89.87	880.62	448.07	1.97	PASS
12025.00†	7150.69	1510.43	5419.70	12284.38	7148.61	2391.02	5422.00	-89.87	880.60	457.19	1.93	PASS
12125.00†	7150.24	1510.19	5519.70	12384.38	7148.07	2390.76	5522.00	-89.86	880.57	466.32	1.89	PASS
12225.00†	7149.79	1509.95	5619.70	12484.38	7147.52	2390.50	5622.00	-89.85	880.55	475.45	1.85	PASS
12325.00†	7149.34	1509.72	5719.70	12584.38	7146.98	2390.23	5722.00	-89.85	880.53	484.58	1.82	PASS
12425.00†	7148.89	1509.48	5819.69	12684.38	7146.44	2389.97	5822.00	-89.84	880.50	493.73	1.78	PASS
12525.00†	7148.44	1509.24	5919.69	12784.38	7145.89	2389.71	5921.99	-89.83	880.48	502.87	1.75	PASS
12625.00†	7147.99	1509.00	6019.69	12884.38	7145.35	2389.45	6021.99	-89.83	880.45	512.02	1.72	PASS
12725.00†	7147.54	1508.76	6119.69	12984.38	7144.80	2389.18	6121.99	-89.82	880.43	521.17	1.69	PASS
12825.00†	7147.09	1508.52	6219.69	13084.38	7144.26	2388.92	6221.99	-89.82	880.40	530.33	1.66	PASS
12925.00†	7146.65	1508.28	6319.69	13184.38	7143.72	2388.66	6321.99	-89.81	880.38	539.49	1.63	PASS
13025.00†	7146.20	1508.05	6419.69	13284.38	7143.17	2388.39	6421.99	-89.80	880.36	548.65	1.61	PASS
13125.00†	7145.75	1507.81	6519.69	13384.38	7142.63	2388.13	6521.98	-89.80	880.33	557.82	1.58	PASS
13225.00†	7145.30	1507.57	6619.68	13484.38	7142.09	2387.87	6621.98	-89.79	880.31	566.99	1.55	PASS
13325.00†	7144.85	1507.33	6719.68	13584.38	7141.54	2387.60	6721.98	-89.79	880.28	576.16	1.53	PASS
13425.00†	7144.40	1507.09	6819.68	13684.38	7141.00	2387.34	6821.98	-89.78	880.26	585.33	1.50	PASS
13525.00†	7143.95	1506.85	6919.68	13784.38	7140.45	2387.08	6921.98	-89.77	880.23	594.51	1.48	PASS
13625.00†	7143.50	1506.62	7019.68	13884.38	7139.91	2386.82	7021.97	-89.77	880.21	603.69	1.46	PASS
13725.00†	7143.05	1506.38	7119.68	13984.38	7139.37	2386.55	7121.97	-89.76	880.19	612.87	1.44	PASS
13825.00†	7142.60	1506.14	7219.68	14084.38	7138.82	2386.29	7221.97	-89.75	880.16	622.05	1.42	PASS
13925.00†	7142.15	1505.90	7319.68	14184.38	7138.28	2386.03	7321.97	-89.75	880.14	631.24	1.39	PASS
14025.00†	7141.71	1505.66	7419.67	14284.38	7137.73	2385.76	7421.97	-89.74	880.11	640.43	1.37	PASS
14125.00†	7141.26	1505.42	7519.67	14384.38	7137.19	2385.50	7521.96	-89.74	880.09	649.61	1.36	PASS
14225.00†	7140.81	1505.19	7619.67	14484.38	7136.65	2385.24	7621.96	-89.73	880.07	658.81	1.34	PASS
14325.00†	7140.36	1504.95	7719.67	14584.38	7136.10	2384.98	7721.96	-89.72	880.04	668.00	1.32	PASS
14425.00†	7139.91	1504.71	7819.67	14684.38	7135.56	2384.71	7821.96	-89.72	880.02	677.19	1.30	PASS
14525.00†	7139.46	1504.47	7919.67	14784.38	7135.01	2384.45	7921.96	-89.71	879.99	686.39	1.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7139.01	1504.23	8019.67	14884.38	7134.47	2384.19	8021.96	-89.70	879.97	695.59	1.27	PASS
14725.00†	7138.56	1503.99	8119.67	14984.38	7133.93	2383.92	8121.95	-89.70	879.94	704.78	1.25	PASS
14825.00†	7138.11	1503.76	8219.66	15084.38	7133.38	2383.66	8221.95	-89.69	879.92	713.99	1.23	PASS
14925.00†	7137.66	1503.52	8319.66	15184.38	7132.84	2383.40	8321.95	-89.69	879.90	723.19	1.22	PASS
15025.00†	7137.22	1503.28	8419.66	15284.38	7132.30	2383.14	8421.95	-89.68	879.87	732.39	1.20	PASS
15072.98	7137.00	1503.17	8467.64	15332.35	7132.03	2383.01	8469.92	-89.68	879.86	736.81	1.19	PASS

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	-36.64	109.37	-9.59
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.37	0.00	-36.64	109.37	-9.59
8.5in Open Hole	1750.00	15338.67	13588.67	1693.37	7132.00	109.37	-9.59	726.33	2565.24

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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	-3.00	25.00	2090.74	3797.03	61.16	4334.59	25.57	176.15	PASS
125.00†	125.00	0.00	0.00	97.00	125.00	2090.74	3797.03	61.16	4334.59	50.37	87.71	PASS
200.00	200.00	0.00	0.00	172.00	200.00	2090.74	3797.03	61.16	4334.59	51.05	86.52	PASS
225.00†	225.00	0.10	0.04	197.00	225.00	2090.74	3797.03	42.08	4334.51	51.29	86.11	PASS
325.00†	324.96	2.58	0.89	296.96	324.96	2090.74	3797.03	42.13	4332.56	52.94	83.34	PASS
425.00†	424.77	8.35	2.89	396.77	424.77	2090.74	3797.03	42.24	4328.04	55.21	79.77	PASS
525.00†	524.30	17.40	6.02	496.30	524.30	2090.74	3797.03	42.42	4320.94	57.96	75.80	PASS
625.00†	623.44	29.74	10.29	595.44	623.44	2090.74	3797.03	42.67	4311.28	61.06	71.72	PASS
725.00†	722.07	45.33	15.69	694.07	722.07	2090.74	3797.03	42.99	4299.10	64.43	67.72	PASS
825.00†	820.05	64.17	22.20	792.05	820.05	2090.74	3797.03	43.37	4284.42	68.00	63.89	PASS
882.76	876.31	76.52	26.48	848.31	876.31	2090.74	3797.03	43.62	4274.83	70.14	61.78	PASS
925.00†	917.36	85.95	29.74	889.36	917.36	2090.74	3797.03	43.71	4267.52	71.71	60.31	PASS
1025.00†	1014.53	108.26	37.46	986.53	1014.53	2090.74	3797.03	43.93	4250.25	75.53	56.99	PASS
1125.00†	1111.71	130.57	45.18	1083.71	1111.71	2090.74	3797.03	44.15	4233.05	79.46	53.91	PASS
1225.00†	1208.88	152.88	52.90	1180.88	1208.88	2090.74	3797.03	44.37	4215.91	83.49	51.08	PASS
1325.00†	1306.05	175.19	60.62	1278.05	1306.05	2090.74	3797.03	44.59	4198.83	87.59	48.46	PASS
1425.00†	1403.23	197.50	68.34	1375.23	1403.23	2090.74	3797.03	44.82	4181.81	91.76	46.05	PASS
1525.00†	1500.40	219.81	76.06	1472.40	1500.40	2090.74	3797.03	45.04	4164.86	95.99	43.82	PASS
1625.00†	1597.57	242.12	83.78	1569.57	1597.57	2090.74	3797.03	45.27	4147.97	100.26	41.76	PASS
1725.00†	1694.75	264.43	91.50	1666.75	1694.75	2090.74	3797.03	45.50	4131.15	104.59	39.86	PASS
1825.00†	1791.92	286.74	99.21	1763.92	1791.92	2090.74	3797.03	45.73	4114.40	108.59	38.13	PASS
1925.00†	1889.10	309.05	106.93	1861.10	1889.10	2090.74	3797.03	45.96	4097.71	112.79	36.55	PASS
2025.00†	1986.27	331.36	114.65	1958.27	1986.27	2090.74	3797.03	46.20	4081.10	117.01	35.08	PASS
2125.00†	2083.44	353.67	122.37	2055.44	2083.44	2090.74	3797.03	46.43	4064.55	121.26	33.71	PASS
2225.00†	2180.62	375.98	130.09	2152.62	2180.62	2090.74	3797.03	46.67	4048.07	125.54	32.42	PASS
2325.00†	2277.79	398.29	137.81	2249.79	2277.79	2090.74	3797.03	46.91	4031.66	129.84	31.21	PASS
2425.00†	2374.96	420.60	145.53	2346.96	2374.96	2090.74	3797.03	47.16	4015.33	134.17	30.08	PASS
2525.00†	2472.14	442.91	153.25	2444.14	2472.14	2090.74	3797.03	47.40	3999.06	138.52	29.01	PASS
2625.00†	2569.31	465.22	160.97	2541.31	2569.31	2090.74	3797.03	47.65	3982.87	142.89	28.01	PASS
2725.00†	2666.48	487.53	168.69	2638.48	2666.48	2090.74	3797.03	47.89	3966.76	147.28	27.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2735.66	2763.66	2090.74	3797.03	48.14	3950.72	151.68	26.16	PASS
2925.00†	2860.83	532.15	184.13	2832.83	2860.83	2090.74	3797.03	48.40	3934.75	156.11	25.32	PASS
3025.00†	2958.00	554.46	191.85	2930.00	2958.00	2090.74	3797.03	48.65	3918.87	160.55	24.51	PASS
3125.00†	3055.18	576.77	199.57	3027.18	3055.18	2090.74	3797.03	48.91	3903.06	165.01	23.75	PASS
3225.00†	3152.35	599.08	207.29	3124.35	3152.35	2090.74	3797.03	49.16	3887.33	169.48	23.03	PASS
3325.00†	3249.52	621.39	215.01	3221.52	3249.52	2090.74	3797.03	49.42	3871.68	173.97	22.34	PASS
3425.00†	3346.70	643.70	222.73	3318.70	3346.70	2090.74	3797.03	49.69	3856.11	178.47	21.69	PASS
3525.00†	3443.87	666.01	230.45	3415.87	3443.87	2090.74	3797.03	49.95	3840.63	182.99	21.07	PASS
3625.00†	3541.04	688.32	238.17	3513.04	3541.04	2090.74	3797.03	50.22	3825.22	187.52	20.47	PASS
3725.00†	3638.22	710.63	245.88	3610.22	3638.22	2090.74	3797.03	50.48	3809.90	192.06	19.91	PASS
3825.00†	3735.39	732.94	253.60	3707.39	3735.39	2090.74	3797.03	50.76	3794.67	196.62	19.37	PASS
3925.00†	3832.56	755.25	261.32	3804.56	3832.56	2090.74	3797.03	51.03	3779.52	201.19	18.85	PASS
4025.00†	3929.74	777.56	269.04	3901.74	3929.74	2090.74	3797.03	51.30	3764.46	205.77	18.35	PASS
4125.00†	4026.91	799.87	276.76	3998.91	4026.91	2090.74	3797.03	51.58	3749.49	210.36	17.88	PASS
4225.00†	4124.08	822.18	284.48	4096.08	4124.08	2090.74	3797.03	51.86	3734.60	214.96	17.43	PASS
4325.00†	4221.26	844.49	292.20	4193.26	4221.26	2090.74	3797.03	52.14	3719.81	219.57	16.99	PASS
4425.00†	4318.43	866.80	299.92	4290.43	4318.43	2090.74	3797.03	52.42	3705.11	224.20	16.58	PASS
4525.00†	4415.60	889.11	307.64	4387.60	4415.60	2090.74	3797.03	52.71	3690.50	228.83	16.17	PASS
4625.00†	4512.78	911.42	315.36	4484.78	4512.78	2090.74	3797.03	52.99	3675.98	233.47	15.79	PASS
4725.00†	4609.95	933.72	323.08	4581.95	4609.95	2090.74	3797.03	53.28	3661.56	238.12	15.42	PASS
4825.00†	4707.13	956.03	330.80	4679.13	4707.13	2090.74	3797.03	53.58	3647.24	242.78	15.06	PASS
4925.00†	4804.30	978.34	338.52	4776.30	4804.30	2090.74	3797.03	53.87	3633.01	247.45	14.72	PASS
5025.00†	4901.47	1000.65	346.24	4873.47	4901.47	2090.74	3797.03	54.17	3618.88	252.13	14.39	PASS
5125.00†	4998.65	1022.96	353.96	4970.65	4998.65	2090.74	3797.03	54.46	3604.85	256.81	14.07	PASS
5225.00†	5095.82	1045.27	361.68	5067.82	5095.82	2090.74	3797.03	54.77	3590.91	261.51	13.77	PASS
5325.00†	5192.99	1067.58	369.40	5164.99	5192.99	2090.74	3797.03	55.07	3577.08	266.21	13.47	PASS
5425.00†	5290.17	1089.89	377.12	5262.17	5290.17	2090.74	3797.03	55.37	3563.36	270.91	13.18	PASS
5525.00†	5387.34	1112.20	384.84	5359.34	5387.34	2090.74	3797.03	55.68	3549.74	275.63	12.91	PASS
5625.00†	5484.51	1134.51	392.56	5456.51	5484.51	2090.74	3797.03	55.99	3536.22	280.35	12.64	PASS
5725.00†	5581.69	1156.82	400.27	5553.69	5581.69	2090.74	3797.03	56.30	3522.81	285.08	12.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5650.86	5678.86	2090.74	3797.03	56.62	3509.50	289.81	12.14	PASS
5925.00†	5776.03	1201.44	415.71	5748.03	5776.03	2090.74	3797.03	56.93	3496.31	294.55	11.90	PASS
6025.00†	5873.21	1223.75	423.43	5845.21	5873.21	2090.74	3797.03	57.25	3483.22	299.29	11.66	PASS
6125.00†	5970.38	1246.06	431.15	5942.38	5970.38	2090.74	3797.03	57.57	3470.25	304.05	11.44	PASS
6225.00†	6067.55	1268.37	438.87	6039.55	6067.55	2090.74	3797.03	57.90	3457.39	308.80	11.22	PASS
6325.00†	6164.73	1290.68	446.59	6136.73	6164.73	2090.74	3797.03	58.22	3444.64	313.56	11.01	PASS
6425.00†	6261.90	1312.99	454.31	6233.90	6261.90	2090.74	3797.03	58.55	3432.01	318.33	10.80	PASS
6525.00†	6359.07	1335.30	462.03	6331.07	6359.07	2090.74	3797.03	58.88	3419.49	323.10	10.60	PASS
6625.00†	6456.25	1357.61	469.75	6428.25	6456.25	2090.74	3797.03	59.22	3407.09	327.88	10.41	PASS
6725.00†	6553.42	1379.92	477.47	6525.42	6553.42	2090.74	3797.03	59.55	3394.81	332.66	10.22	PASS
6770.11	6597.25	1389.99	480.95	6569.25	6597.25	2090.74	3797.03	59.70	3389.31	334.82	10.14	PASS
6825.00†	6650.35	1402.17	487.54	6622.35	6650.35	2090.74	3797.03	42.95	3380.36	337.46	10.04	PASS
6925.00†	6744.88	1423.86	511.48	6716.88	6744.88	2090.74	3797.03	24.08	3352.55	342.43	9.81	PASS
7025.00†	6834.60	1444.41	550.31	6806.60	6834.60	2090.74	3797.03	13.87	3310.44	347.53	9.54	PASS
7125.00†	6917.30	1463.34	603.05	6889.30	6917.30	2090.74	3797.03	7.28	3255.02	352.16	9.26	PASS
7225.00†	6990.95	1480.16	668.41	6962.95	6990.95	2090.74	3797.03	1.97	3187.64	356.22	8.96	PASS
7325.00†	7053.73	1494.48	744.79	7025.73	7053.73	2090.74	3797.03	-3.53	3109.94	359.60	8.66	PASS
7425.00†	7104.09	1505.93	830.30	7076.09	7104.09	2090.74	3797.03	-10.92	3023.83	362.22	8.36	PASS
7525.00†	7140.80	1514.24	922.83	7112.80	7140.80	2090.74	3797.03	-23.57	2931.45	364.06	8.07	PASS
7625.00†	7162.95	1519.20	1020.12	7134.95	7162.95	2090.74	3797.03	-49.56	2835.12	365.09	7.78	PASS
7724.04	7170.00	1520.68	1118.80	7142.00	7170.00	2090.74	3797.03	-91.20	2738.23	365.35	7.51	PASS
7725.00†	7170.00	1520.68	1119.76	7142.00	7170.00	2090.74	3797.03	-91.19	2737.29	365.35	7.50	PASS
7825.00†	7169.55	1520.44	1219.75	7141.55	7169.55	2090.74	3797.03	-91.15	2639.62	365.26	7.24	PASS
7925.00†	7169.10	1520.20	1319.75	7141.10	7169.10	2090.74	3797.03	-91.11	2542.13	365.20	6.97	PASS
8025.00†	7168.65	1519.96	1419.75	7140.65	7168.65	2090.74	3797.03	-91.06	2444.84	365.18	6.71	PASS
8125.00†	7168.20	1519.73	1519.75	7140.20	7168.20	2090.74	3797.03	-91.02	2347.78	365.21	6.44	PASS
8225.00†	7167.75	1519.49	1619.75	7139.75	7167.75	2090.74	3797.03	-90.97	2250.98	365.30	6.17	PASS
8325.00†	7167.30	1519.25	1719.75	7139.30	7167.30	2090.74	3797.03	-90.93	2154.46	365.48	5.90	PASS
8425.00†	7166.85	1519.01	1819.75	7138.85	7166.85	2090.74	3797.03	-90.88	2058.28	365.76	5.64	PASS
8525.00†	7166.40	1518.77	1919.75	7138.40	7166.40	2090.74	3797.03	-90.84	1962.49	366.17	5.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	7137.95	7165.95	2090.74	3797.03	-90.79	1867.13	366.74	5.10	PASS
8725.00†	7165.51	1518.30	2119.74	7137.51	7165.51	2090.74	3797.03	-90.75	1772.28	367.50	4.83	PASS
8825.00†	7165.06	1518.06	2219.74	7137.06	7165.06	2090.74	3797.03	-90.70	1678.04	368.51	4.56	PASS
8925.00†	7164.61	1517.82	2319.74	7136.61	7164.61	2090.74	3797.03	-90.66	1584.50	369.83	4.29	PASS
9025.00†	7164.16	1517.58	2419.74	7136.16	7164.16	2090.74	3797.03	-90.61	1491.79	371.52	4.02	PASS
9125.00†	7163.71	1517.34	2519.74	7135.71	7163.71	2090.74	3797.03	-90.57	1400.10	373.67	3.75	PASS
9225.00†	7163.26	1517.10	2619.74	7135.26	7163.26	2090.74	3797.03	-90.53	1309.61	376.39	3.48	PASS
9325.00†	7162.81	1516.87	2719.73	7134.81	7162.81	2090.74	3797.03	-90.48	1220.62	379.79	3.22	PASS
9425.00†	7162.36	1516.63	2819.73	7134.36	7162.36	2090.74	3797.03	-90.44	1133.45	384.02	2.96	PASS
9525.00†	7161.91	1516.39	2919.73	7133.91	7161.91	2090.74	3797.03	-90.39	1048.59	389.24	2.70	PASS
9625.00†	7161.46	1516.15	3019.73	7133.46	7161.46	2090.74	3797.03	-90.35	966.62	395.62	2.45	PASS
9725.00†	7161.01	1515.91	3119.73	7133.01	7161.01	2090.74	3797.03	-90.30	888.35	403.34	2.20	PASS
9825.00†	7160.57	1515.67	3219.73	7132.57	7160.57	2090.74	3797.03	-90.26	814.85	412.53	1.98	PASS
9925.00†	7160.12	1515.44	3319.73	7132.12	7160.12	2090.74	3797.03	-90.21	747.53	423.24	1.77	PASS
10025.00†	7159.67	1515.20	3419.73	7131.67	7159.67	2090.74	3797.03	-90.17	688.19	435.26	1.58	PASS
10125.00†	7159.22	1514.96	3519.72	7131.22	7159.22	2090.74	3797.03	-90.12	639.08	448.04	1.43	PASS
10225.00†	7158.77	1514.72	3619.72	7130.77	7158.77	2090.74	3797.03	-90.08	602.69	460.47	1.31	PASS
10325.00†	7158.32	1514.48	3719.72	7130.32	7158.32	2090.74	3797.03	-90.03	581.42	470.98	1.23	PASS
10401.25†	7157.98	1514.30	3795.97	7130.63	7158.63	2090.74	3797.03	-90.06	576.44	476.75	1.21	PASS
10425.00†	7157.87	1514.24	3819.72	7129.87	7157.87	2090.74	3797.03	-89.99	576.94	478.02	1.21	PASS
10525.00†	7157.42	1514.01	3919.72	7129.42	7157.42	2090.74	3797.03	-89.95	589.64	480.78	1.23	PASS
10625.00†	7156.97	1513.77	4019.72	7128.97	7156.97	2090.74	3797.03	-89.90	618.45	479.50	1.29	PASS
10725.00†	7156.52	1513.53	4119.72	7128.52	7156.52	2090.74	3797.03	-89.86	661.28	475.28	1.39	PASS
10825.00†	7156.08	1513.29	4219.72	7128.08	7156.08	2090.74	3797.03	-89.81	715.62	469.36	1.53	PASS
10925.00†	7155.63	1513.05	4319.71	7127.63	7155.63	2090.74	3797.03	-89.77	779.05	462.79	1.68	PASS
11025.00†	7155.18	1512.81	4419.71	7127.18	7155.18	2090.74	3797.03	-89.72	849.55	456.22	1.86	PASS
11125.00†	7154.73	1512.58	4519.71	7126.73	7154.73	2090.74	3797.03	-89.68	925.49	450.01	2.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	159.45	128.40	1.56	212.39	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-120.22	45.08	159.45	128.40	1.89	137.76	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-120.22	45.08	159.45	128.40	2.31	94.51	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-120.22	45.08	140.39	128.48	2.45	85.51	PASS
325.00†	324.96	2.58	0.89	325.85	325.85	-120.17	44.98	141.14	130.42	3.28	55.99	PASS
425.00†	424.77	8.35	2.89	429.17	429.13	-118.81	42.54	143.60	133.26	4.60	36.41	PASS
525.00†	524.30	17.40	6.02	532.01	531.75	-115.65	36.88	147.88	136.79	5.96	27.17	PASS
625.00†	623.44	29.74	10.29	634.04	633.28	-110.75	28.09	153.70	141.95	7.10	22.99	PASS
725.00†	722.07	45.33	15.69	734.96	733.29	-104.16	16.30	160.64	149.92	8.11	20.84	PASS
825.00†	820.05	64.17	22.20	833.71	830.67	-96.18	1.98	167.99	161.97	9.05	19.92	PASS
882.76	876.31	76.52	26.48	889.51	885.63	-91.48	-6.44	171.88	171.45	9.54	19.88	PASS
925.00†	917.36	85.95	29.74	930.25	925.75	-88.05	-12.59	174.49	179.26	9.84	20.08	PASS
1025.00†	1014.53	108.26	37.46	1026.67	1020.73	-79.92	-27.14	179.86	199.06	10.57	20.61	PASS
1125.00†	1111.71	130.57	45.18	1123.10	1115.70	-71.80	-41.69	-175.75	220.26	11.37	21.08	PASS
1225.00†	1208.88	152.88	52.90	1219.52	1210.67	-63.68	-56.25	-172.13	242.52	12.22	21.46	PASS
1325.00†	1306.05	175.19	60.62	1315.95	1305.65	-55.56	-70.80	-169.12	265.55	13.08	21.83	PASS
1425.00†	1403.23	197.50	68.34	1412.37	1400.62	-47.44	-85.36	-166.58	289.17	14.00	22.11	PASS
1525.00†	1500.40	219.81	76.06	1508.80	1495.59	-39.31	-99.91	-164.43	313.26	14.94	22.34	PASS
1625.00†	1597.57	242.12	83.78	1605.22	1590.57	-31.19	-114.47	-162.58	337.71	15.91	22.53	PASS
1725.00†	1694.75	264.43	91.50	1701.65	1685.54	-23.07	-129.02	-160.99	362.45	16.90	22.68	PASS
1825.00†	1791.92	286.74	99.21	1798.07	1780.52	-14.95	-143.57	-159.59	387.42	17.27	23.35	PASS
1925.00†	1889.10	309.05	106.93	1894.50	1875.49	-6.83	-158.13	-158.36	412.58	17.46	24.58	PASS
2025.00†	1986.27	331.36	114.65	1990.92	1970.46	1.29	-172.68	-157.28	437.90	17.65	25.81	PASS
2125.00†	2083.44	353.67	122.37	2087.35	2065.44	9.42	-187.24	-156.31	463.35	17.90	26.91	PASS
2225.00†	2180.62	375.98	130.09	2183.77	2160.41	17.54	-201.79	-155.44	488.91	18.22	27.88	PASS
2325.00†	2277.79	398.29	137.81	2280.20	2255.38	25.66	-216.34	-154.66	514.57	18.60	28.71	PASS
2425.00†	2374.96	420.60	145.53	2376.62	2350.36	33.78	-230.90	-153.95	540.31	19.05	29.42	PASS
2525.00†	2472.14	442.91	153.25	2473.05	2445.33	41.90	-245.45	-153.31	566.12	19.54	30.02	PASS
2625.00†	2569.31	465.22	160.97	2569.47	2540.30	50.02	-260.01	-152.72	591.99	20.09	30.50	PASS
2725.00†	2666.48	487.53	168.69	2665.90	2635.28	58.15	-274.56	-152.18	617.91	20.69	30.89	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2762.32	2730.25	66.27	-289.11	-151.69	643.88	21.33	31.19	PASS
2925.00†	2860.83	532.15	184.13	2858.75	2825.22	74.39	-303.67	-151.23	669.89	22.01	31.42	PASS
3025.00†	2958.00	554.46	191.85	2955.17	2920.20	82.51	-318.22	-150.81	695.94	22.72	31.58	PASS
3125.00†	3055.18	576.77	199.57	3051.59	3015.17	90.63	-332.78	-150.42	722.02	23.47	31.69	PASS
3225.00†	3152.35	599.08	207.29	3148.02	3110.14	98.76	-347.33	-150.05	748.13	24.25	31.75	PASS
3325.00†	3249.52	621.39	215.01	3244.44	3205.12	106.88	-361.89	-149.71	774.27	25.05	31.78	PASS
3425.00†	3346.70	643.70	222.73	3340.87	3300.09	115.00	-376.44	-149.39	800.43	25.88	31.77	PASS
3525.00†	3443.87	666.01	230.45	3437.29	3395.06	123.12	-390.99	-149.09	826.62	26.73	31.74	PASS
3625.00†	3541.04	688.32	238.17	3533.72	3490.04	131.24	-405.55	-148.81	852.82	27.60	31.69	PASS
3725.00†	3638.22	710.63	245.88	3630.14	3585.01	139.36	-420.10	-148.55	879.04	28.49	31.62	PASS
3825.00†	3735.39	732.94	253.60	3726.57	3679.98	147.49	-434.66	-148.30	905.28	29.39	31.54	PASS
3925.00†	3832.56	755.25	261.32	3822.99	3774.96	155.61	-449.21	-148.07	931.53	30.31	31.44	PASS
4025.00†	3929.74	777.56	269.04	3919.42	3869.93	163.73	-463.76	-147.85	957.79	31.24	31.34	PASS
4125.00†	4026.91	799.87	276.76	4015.84	3964.90	171.85	-478.32	-147.64	984.07	32.19	31.24	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	27.48	-42.44	-27.81
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.17	-73.29	27.48	-42.44	-27.81
8.5in Open Hole	1750.00	16660.50	14910.50	1733.17	7145.00	-42.44	-27.81	90.54	2703.52



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14450.38	7062.20	2155.15	44.65	1.19	7359.95	146.36	50.60	PASS
125.00†	125.00	0.00	0.00	14450.85	7062.21	2155.13	45.12	1.20	7264.40	147.81	49.45	PASS
200.00	200.00	0.00	0.00	14451.20	7062.21	2155.11	45.48	1.21	7192.81	148.58	48.70	PASS
225.00†	225.00	0.10	0.04	14451.33	7062.21	2155.10	45.61	-18.38	7168.93	148.84	48.46	PASS
325.00†	324.96	2.58	0.89	14452.21	7062.22	2155.06	46.48	-20.65	7072.90	149.84	47.49	PASS
425.00†	424.77	8.35	2.89	14453.62	7062.23	2155.00	47.89	-23.50	6976.10	150.77	46.55	PASS
525.00†	524.30	17.40	6.02	14455.57	7062.25	2154.90	49.84	-27.17	6878.63	151.63	45.63	PASS
625.00†	623.44	29.74	10.29	14458.07	7062.27	2154.79	52.34	-32.01	6780.57	152.41	44.75	PASS
725.00†	722.07	45.33	15.69	14461.12	7062.29	2154.65	55.38	-38.59	6682.01	153.09	43.90	PASS
825.00†	820.05	64.17	22.20	14464.72	7062.32	2154.50	58.99	-47.75	6583.06	153.68	43.09	PASS
882.76	876.31	76.52	26.48	14467.07	7062.34	2154.40	61.33	-54.64	6525.78	153.98	42.63	PASS
925.00†	917.36	85.95	29.74	14468.85	7062.36	2154.32	63.11	-54.54	6483.85	154.19	42.30	PASS
1025.00†	1014.53	108.26	37.46	14473.11	7062.39	2154.15	67.37	-54.29	6384.61	154.68	41.52	PASS
1125.00†	1111.71	130.57	45.18	14477.42	7062.43	2153.99	71.67	-54.05	6285.38	155.19	40.74	PASS
1225.00†	1208.88	152.88	52.90	14481.75	7062.47	2153.83	76.00	-53.80	6186.18	155.72	39.95	PASS
1325.00†	1306.05	175.19	60.62	14486.14	7062.50	2153.68	80.38	-53.54	6086.99	156.27	39.17	PASS
1425.00†	1403.23	197.50	68.34	14490.56	7062.54	2153.53	84.80	-53.28	5987.83	156.84	38.40	PASS
1525.00†	1500.40	219.81	76.06	14495.02	7062.57	2153.39	89.26	-53.02	5888.69	157.43	37.62	PASS
1625.00†	1597.57	242.12	83.78	14500.48	7062.62	2153.23	94.72	-52.69	5789.57	158.06	36.84	PASS
1725.00†	1694.75	264.43	91.50	14507.81	7062.68	2153.03	102.05	-52.25	5690.48	158.73	36.05	PASS
1825.00†	1791.92	286.74	99.21	14515.15	7062.73	2152.82	109.38	-51.80	5591.41	159.22	35.27	PASS
1925.00†	1889.10	309.05	106.93	14522.50	7062.79	2152.62	116.73	-51.35	5492.36	159.94	34.49	PASS
2025.00†	1986.27	331.36	114.65	14529.86	7062.85	2152.42	124.09	-50.89	5393.33	160.67	33.71	PASS
2125.00†	2083.44	353.67	122.37	14537.23	7062.91	2152.22	131.46	-50.43	5294.33	161.43	32.94	PASS
2225.00†	2180.62	375.98	130.09	14544.61	7062.97	2152.02	138.83	-49.96	5195.36	162.22	32.16	PASS
2325.00†	2277.79	398.29	137.81	14552.00	7063.02	2151.83	146.22	-49.48	5096.42	163.04	31.39	PASS
2425.00†	2374.96	420.60	145.53	14559.39	7063.08	2151.64	153.61	-49.00	4997.50	163.89	30.62	PASS
2525.00†	2472.14	442.91	153.25	14566.80	7063.14	2151.45	161.01	-48.51	4898.62	164.78	29.85	PASS
2625.00†	2569.31	465.22	160.97	14574.22	7063.19	2151.27	168.43	-48.02	4799.77	165.69	29.09	PASS
2725.00†	2666.48	487.53	168.69	14581.64	7063.25	2151.09	175.85	-47.52	4700.96	166.64	28.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	14589.33	7063.31	2150.90	183.53	-46.99	4602.19	167.64	27.57	PASS
2925.00†	2860.83	532.15	184.13	14598.51	7063.38	2150.68	192.71	-46.36	4503.46	168.70	26.80	PASS
3025.00†	2958.00	554.46	191.85	14607.67	7063.45	2150.44	201.86	-45.73	4404.76	169.80	26.05	PASS
3125.00†	3055.18	576.77	199.57	14616.80	7063.52	2150.19	210.99	-45.08	4306.11	170.94	25.29	PASS
3225.00†	3152.35	599.08	207.29	14625.90	7063.59	2149.94	220.09	-44.43	4207.51	172.14	24.54	PASS
3325.00†	3249.52	621.39	215.01	14634.98	7063.67	2149.67	229.16	-43.78	4108.96	173.38	23.79	PASS
3425.00†	3346.70	643.70	222.73	14644.03	7063.74	2149.39	238.21	-43.12	4010.46	174.68	23.05	PASS
3525.00†	3443.87	666.01	230.45	14653.05	7063.82	2149.10	247.23	-42.46	3912.02	176.04	22.31	PASS
3625.00†	3541.04	688.32	238.17	14662.05	7063.90	2148.81	256.23	-41.79	3813.64	177.46	21.57	PASS
3725.00†	3638.22	710.63	245.88	14671.03	7063.98	2148.50	265.19	-41.11	3715.33	178.95	20.84	PASS
3825.00†	3735.39	732.94	253.60	14678.88	7064.05	2148.22	273.04	-40.52	3617.10	180.50	20.11	PASS
3925.00†	3832.56	755.25	261.32	14684.55	7064.10	2148.03	278.71	-40.08	3518.95	182.10	19.40	PASS
4025.00†	3929.74	777.56	269.04	14690.27	7064.16	2147.84	284.43	-39.64	3420.89	183.79	18.68	PASS
4125.00†	4026.91	799.87	276.76	14696.06	7064.21	2147.66	290.21	-39.19	3322.94	185.58	17.97	PASS
4225.00†	4124.08	822.18	284.48	14701.90	7064.26	2147.48	296.04	-38.74	3225.09	187.47	17.26	PASS
4325.00†	4221.26	844.49	292.20	14707.79	7064.32	2147.31	301.94	-38.27	3127.37	189.48	16.56	PASS
4425.00†	4318.43	866.80	299.92	14713.75	7064.38	2147.15	307.89	-37.80	3029.78	191.61	15.87	PASS
4525.00†	4415.60	889.11	307.64	14719.76	7064.43	2146.99	313.90	-37.32	2932.34	193.88	15.18	PASS
4625.00†	4512.78	911.42	315.36	14725.83	7064.49	2146.84	319.97	-36.83	2835.06	196.31	14.49	PASS
4725.00†	4609.95	933.72	323.08	14731.96	7064.55	2146.70	326.10	-36.34	2737.95	198.89	13.81	PASS
4825.00†	4707.13	956.03	330.80	14738.16	7064.61	2146.57	332.30	-35.83	2641.05	201.66	13.14	PASS
4925.00†	4804.30	978.34	338.52	14744.42	7064.67	2146.45	338.55	-35.32	2544.36	204.63	12.47	PASS
5025.00†	4901.47	1000.65	346.24	14750.74	7064.74	2146.33	344.87	-34.80	2447.91	207.83	11.82	PASS
5125.00†	4998.65	1022.96	353.96	14757.13	7064.80	2146.22	351.26	-34.27	2351.75	211.27	11.17	PASS
5225.00†	5095.82	1045.27	361.68	14763.58	7064.86	2146.12	357.71	-33.73	2255.89	215.00	10.52	PASS
5325.00†	5192.99	1067.58	369.40	14770.73	7064.94	2146.03	364.86	-33.13	2160.38	219.05	9.89	PASS
5425.00†	5290.17	1089.89	377.12	14778.59	7065.01	2145.93	372.72	-32.46	2065.26	223.46	9.27	PASS
5525.00†	5387.34	1112.20	384.84	14786.43	7065.09	2145.84	380.56	-31.79	1970.60	228.26	8.66	PASS
5625.00†	5484.51	1134.51	392.56	14794.24	7065.15	2145.76	388.37	-31.13	1876.45	233.52	8.06	PASS
5725.00†	5581.69	1156.82	400.27	14802.03	7065.22	2145.69	396.15	-30.46	1782.91	239.28	7.47	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14809.79	7065.28	2145.64	403.91	-29.78	1690.06	245.62	6.90	PASS
5925.00†	5776.03	1201.44	415.71	14817.52	7065.34	2145.59	411.65	-29.11	1598.04	252.61	6.34	PASS
6025.00†	5873.21	1223.75	423.43	14825.23	7065.40	2145.54	419.36	-28.44	1507.00	260.35	5.80	PASS
6125.00†	5970.38	1246.06	431.15	14832.92	7065.45	2145.51	427.05	-27.76	1417.11	268.94	5.28	PASS
6225.00†	6067.55	1268.37	438.87	14840.58	7065.50	2145.49	434.71	-27.08	1328.63	278.49	4.78	PASS
6325.00†	6164.73	1290.68	446.59	14848.22	7065.55	2145.48	442.35	-26.41	1241.84	289.12	4.30	PASS
6425.00†	6261.90	1312.99	454.31	14855.84	7065.59	2145.47	449.96	-25.73	1157.13	300.95	3.85	PASS
6525.00†	6359.07	1335.30	462.03	14864.76	7065.64	2145.47	458.88	-24.94	1074.99	314.09	3.43	PASS
6625.00†	6456.25	1357.61	469.75	14873.64	7065.68	2145.46	467.76	-24.14	996.05	328.56	3.04	PASS
6725.00†	6553.42	1379.92	477.47	14882.43	7065.72	2145.45	476.55	-23.35	921.13	344.26	2.68	PASS
6770.11	6597.25	1389.99	480.95	14886.37	7065.74	2145.44	480.50	-23.00	888.93	351.67	2.53	PASS
6825.00†	6650.35	1402.17	487.54	14893.67	7065.78	2145.42	487.79	-43.70	851.46	360.94	2.36	PASS
6925.00†	6744.88	1423.86	511.48	14919.60	7065.88	2145.32	513.72	-67.09	789.66	378.15	2.09	PASS
7025.00†	6834.60	1444.41	550.31	14958.45	7066.01	2145.10	552.57	-78.89	737.92	394.55	1.87	PASS
7125.00†	6917.30	1463.34	603.05	15004.82	7066.10	2145.14	598.94	-84.77	697.86	408.52	1.71	PASS
7225.00†	6990.95	1480.16	668.41	15065.16	7066.13	2145.80	659.28	-86.76	669.93	419.32	1.60	PASS
7325.00†	7053.73	1494.48	744.79	15141.77	7066.24	2146.95	735.88	-86.19	652.65	427.06	1.53	PASS
7425.00†	7104.09	1505.93	830.30	15233.41	7066.21	2147.56	827.51	-84.29	642.75	432.68	1.49	PASS
7525.00†	7140.80	1514.24	922.83	15315.00	7066.37	2148.34	909.10	-82.79	638.60	436.93	1.46	PASS
7535.16†	7143.73	1514.90	932.54	15315.00	7066.37	2148.34	909.10	-82.86	638.58	437.02	1.46	PASS
7625.00†	7162.95	1519.20	1020.12	15315.00	7066.37	2148.34	909.10	-82.59	646.12	434.17	1.49	PASS
7724.04	7170.00	1520.68	1118.80	15315.00	7066.37	2148.34	909.10	-80.53	669.82	424.28	1.58	PASS
7725.00†	7170.00	1520.68	1119.76	15315.00	7066.37	2148.34	909.10	-80.53	670.13	424.15	1.58	PASS
7825.00†	7169.55	1520.44	1219.75	15315.00	7066.37	2148.34	909.10	-80.53	708.10	408.59	1.73	PASS
7925.00†	7169.10	1520.20	1319.75	15315.00	7066.37	2148.34	909.10	-80.53	757.46	389.49	1.95	PASS
8025.00†	7168.65	1519.96	1419.75	15315.00	7066.37	2148.34	909.10	-80.53	816.14	369.05	2.21	PASS
8125.00†	7168.20	1519.73	1519.75	15315.00	7066.37	2148.34	909.10	-80.53	882.28	348.81	2.53	PASS
8225.00†	7167.75	1519.49	1619.75	15315.00	7066.37	2148.34	909.10	-80.53	954.33	329.66	2.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	800.95	-4955.18	814.23	-4942.47
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1741.89	800.95	-4955.18	813.88	-4942.85
8.5in Open Hole	1771.00	15315.00	13544.00	1751.74	7066.37	814.23	-4942.47	1054.79	-2200.35

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 23N-22C-M AWB Offset Wellpath: HOOD 23N-22C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14227.78	7061.39	865.00	-147.70	-9.69	7090.89	110.49	64.70	PASS
125.00†	125.00	0.00	0.00	14230.19	7061.43	865.06	-145.29	-9.53	6991.67	111.34	63.31	PASS
200.00	200.00	0.00	0.00	14231.57	7061.45	865.09	-143.91	-9.45	6917.27	111.55	62.51	PASS
225.00†	225.00	0.10	0.04	14232.08	7061.46	865.11	-143.41	-30.48	6892.46	111.62	62.25	PASS
325.00†	324.96	2.58	0.89	14234.87	7061.51	865.17	-140.61	-41.24	6793.03	111.88	61.21	PASS
425.00†	424.77	8.35	2.89	14238.93	7061.58	865.28	-136.56	-59.66	6693.36	112.10	60.19	PASS
525.00†	524.30	17.40	6.02	14244.25	7061.68	865.41	-131.24	-88.37	6593.58	112.27	59.21	PASS
625.00†	623.44	29.74	10.29	14250.81	7061.80	865.57	-124.69	-118.11	6493.78	112.38	58.25	PASS
725.00†	722.07	45.33	15.69	14258.60	7061.93	865.76	-116.90	-137.91	6394.11	112.44	57.33	PASS
825.00†	820.05	64.17	22.20	14267.61	7062.10	865.97	-107.89	-149.46	6294.67	112.43	56.44	PASS
882.76	876.31	76.52	26.48	14273.36	7062.20	866.10	-102.14	-153.93	6237.40	112.40	55.94	PASS
925.00†	917.36	85.95	29.74	14277.71	7062.28	866.21	-97.79	-154.13	6195.57	112.37	55.58	PASS
1025.00†	1014.53	108.26	37.46	14288.00	7062.46	866.44	-87.51	-154.61	6096.54	112.30	54.72	PASS
1125.00†	1111.71	130.57	45.18	14298.26	7062.64	866.67	-77.25	-155.10	5997.54	112.23	53.87	PASS
1225.00†	1208.88	152.88	52.90	14308.51	7062.82	866.90	-67.01	-155.60	5898.55	112.16	53.02	PASS
1325.00†	1306.05	175.19	60.62	14318.74	7063.01	867.12	-56.78	-156.10	5799.57	112.08	52.16	PASS
1425.00†	1403.23	197.50	68.34	14333.05	7063.26	867.41	-42.48	-156.82	5700.61	112.05	51.29	PASS
1525.00†	1500.40	219.81	76.06	14347.18	7063.50	867.67	-28.35	-157.55	5601.67	112.01	50.42	PASS
1625.00†	1597.57	242.12	83.78	14361.03	7063.73	867.90	-14.51	-158.28	5502.73	111.96	49.55	PASS
1725.00†	1694.75	264.43	91.50	14374.60	7063.94	868.09	-0.93	-159.02	5403.81	111.91	48.68	PASS
1825.00†	1791.92	286.74	99.21	14387.92	7064.15	868.24	12.38	-159.76	5304.91	111.63	47.82	PASS
1925.00†	1889.10	309.05	106.93	14400.97	7064.35	868.37	25.43	-160.50	5206.03	111.56	46.96	PASS
2025.00†	1986.27	331.36	114.65	14412.13	7064.51	868.46	36.59	-161.15	5107.16	111.46	46.11	PASS
2125.00†	2083.44	353.67	122.37	14420.47	7064.63	868.52	44.92	-161.64	5008.33	111.34	45.27	PASS
2225.00†	2180.62	375.98	130.09	14428.81	7064.76	868.56	53.26	-162.14	4909.52	111.21	44.42	PASS
2325.00†	2277.79	398.29	137.81	14437.14	7064.89	868.58	61.59	-162.64	4810.75	111.07	43.58	PASS
2425.00†	2374.96	420.60	145.53	14445.47	7065.02	868.59	69.92	-163.16	4712.01	110.94	42.74	PASS
2525.00†	2472.14	442.91	153.25	14453.80	7065.16	868.59	78.25	-163.68	4613.31	110.81	41.90	PASS
2625.00†	2569.31	465.22	160.97	14462.13	7065.29	868.58	86.58	-164.20	4514.65	110.67	41.05	PASS
2725.00†	2666.48	487.53	168.69	14470.46	7065.43	868.55	94.90	-164.74	4416.04	110.53	40.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	14478.78	7065.58	868.51	103.23	-165.28	4317.47	110.40	39.35	PASS
2925.00†	2860.83	532.15	184.13	14487.10	7065.73	868.45	111.55	-165.82	4218.95	110.26	38.50	PASS
3025.00†	2958.00	554.46	191.85	14495.42	7065.88	868.38	119.86	-166.38	4120.48	110.13	37.65	PASS
3125.00†	3055.18	576.77	199.57	14504.51	7066.04	868.30	128.96	-166.99	4022.07	110.01	36.79	PASS
3225.00†	3152.35	599.08	207.29	14513.98	7066.21	868.22	138.42	-167.64	3923.71	109.89	35.93	PASS
3325.00†	3249.52	621.39	215.01	14523.46	7066.39	868.15	147.90	-168.30	3825.42	109.79	35.06	PASS
3425.00†	3346.70	643.70	222.73	14532.97	7066.56	868.09	157.40	-168.97	3727.19	109.69	34.19	PASS
3525.00†	3443.87	666.01	230.45	14542.50	7066.73	868.03	166.93	-169.64	3629.04	109.61	33.32	PASS
3625.00†	3541.04	688.32	238.17	14552.05	7066.90	867.99	176.48	-170.33	3530.97	109.54	32.44	PASS
3725.00†	3638.22	710.63	245.88	14561.63	7067.07	867.96	186.06	-171.03	3432.98	109.49	31.55	PASS
3825.00†	3735.39	732.94	253.60	14571.22	7067.23	867.93	195.65	-171.74	3335.08	109.46	30.66	PASS
3925.00†	3832.56	755.25	261.32	14580.85	7067.40	867.92	205.27	-172.45	3237.28	109.46	29.76	PASS
4025.00†	3929.74	777.56	269.04	14590.36	7067.57	867.91	214.79	-173.17	3139.60	109.50	28.85	PASS
4125.00†	4026.91	799.87	276.76	14599.49	7067.72	867.90	223.92	-173.87	3042.03	109.58	27.94	PASS
4225.00†	4124.08	822.18	284.48	14608.60	7067.88	867.88	233.02	-174.57	2944.60	109.71	27.01	PASS
4325.00†	4221.26	844.49	292.20	14617.68	7068.04	867.85	242.10	-175.28	2847.32	109.90	26.07	PASS
4425.00†	4318.43	866.80	299.92	14626.73	7068.20	867.81	251.15	-176.00	2750.20	110.18	25.12	PASS
4525.00†	4415.60	889.11	307.64	14635.76	7068.36	867.76	260.18	-176.72	2653.27	110.55	24.15	PASS
4625.00†	4512.78	911.42	315.36	14644.76	7068.52	867.70	269.18	-177.45	2556.54	111.04	23.16	PASS
4725.00†	4609.95	933.72	323.08	14653.74	7068.69	867.64	278.15	-178.18	2460.03	111.68	22.16	PASS
4825.00†	4707.13	956.03	330.80	14662.69	7068.85	867.56	287.10	-178.92	2363.78	112.49	21.14	PASS
4925.00†	4804.30	978.34	338.52	14671.61	7069.01	867.47	296.02	-179.66	2267.82	113.52	20.10	PASS
5025.00†	4901.47	1000.65	346.24	14680.67	7069.18	867.38	305.08	-179.59	2172.19	114.81	19.03	PASS
5125.00†	4998.65	1022.96	353.96	14689.94	7069.35	867.27	314.34	-178.80	2076.92	116.43	17.94	PASS
5225.00†	5095.82	1045.27	361.68	14699.16	7069.51	867.16	323.57	-178.02	1982.08	118.43	16.83	PASS
5325.00†	5192.99	1067.58	369.40	14708.35	7069.68	867.05	332.76	-177.23	1887.73	120.90	15.70	PASS
5425.00†	5290.17	1089.89	377.12	14717.51	7069.85	866.92	341.91	-176.43	1793.94	123.94	14.55	PASS
5525.00†	5387.34	1112.20	384.84	14726.62	7070.01	866.80	351.02	-175.64	1700.81	127.67	13.39	PASS
5625.00†	5484.51	1134.51	392.56	14735.70	7070.18	866.67	360.10	-174.84	1608.45	132.24	12.22	PASS
5725.00†	5581.69	1156.82	400.27	14744.75	7070.34	866.53	369.14	-174.05	1517.01	137.80	11.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	14753.75	7070.50	866.39	378.15	173.25	1426.66	144.56	9.91	PASS
5925.00†	5776.03	1201.44	415.71	14762.72	7070.66	866.25	387.11	172.44	1337.62	152.75	8.79	PASS
6025.00†	5873.21	1223.75	423.43	14771.42	7070.81	866.10	395.81	171.66	1250.18	162.64	7.72	PASS
6125.00†	5970.38	1246.06	431.15	14779.77	7070.96	865.94	404.16	170.91	1164.69	174.53	6.70	PASS
6225.00†	6067.55	1268.37	438.87	14787.97	7071.10	865.76	412.35	170.17	1081.62	188.75	5.75	PASS
6325.00†	6164.73	1290.68	446.59	14796.03	7071.24	865.56	420.40	169.44	1001.59	205.66	4.88	PASS
6425.00†	6261.90	1312.99	454.31	14803.94	7071.37	865.35	428.31	168.72	925.37	225.59	4.11	PASS
6525.00†	6359.07	1335.30	462.03	14811.71	7071.50	865.13	436.08	168.01	853.99	248.74	3.44	PASS
6625.00†	6456.25	1357.61	469.75	14819.34	7071.62	864.89	443.71	167.31	788.76	275.05	2.87	PASS
6725.00†	6553.42	1379.92	477.47	14826.84	7071.74	864.63	451.20	166.62	731.35	303.99	2.41	PASS
6770.11	6597.25	1389.99	480.95	14830.19	7071.80	864.51	454.54	166.31	708.53	317.57	2.23	PASS
6825.00†	6650.35	1402.17	487.54	14836.26	7071.89	864.29	460.61	151.46	683.92	334.18	2.05	PASS
6925.00†	6744.88	1423.86	511.48	14857.68	7072.22	863.41	482.01	134.22	649.71	363.10	1.79	PASS
7025.00†	6834.60	1444.41	550.31	14897.14	7072.85	861.71	521.43	123.15	630.19	387.93	1.63	PASS
7125.00†	6917.30	1463.34	603.05	14950.66	7073.81	859.46	574.90	114.15	624.46	406.36	1.54	PASS
7225.00†	6990.95	1480.16	668.41	15014.36	7075.11	856.71	638.52	106.02	629.82	418.26	1.51	PASS
7258.36†	7013.19	1485.24	692.76	15038.14	7075.63	855.62	662.27	103.43	633.44	421.11	1.51	PASS
7325.00†	7053.73	1494.48	744.79	15089.51	7076.68	853.21	713.57	98.48	642.44	425.57	1.51	PASS
7425.00†	7104.09	1505.93	830.30	15170.42	7078.10	849.10	794.36	92.11	658.32	430.22	1.53	PASS
7525.00†	7140.80	1514.24	922.83	15260.41	7080.05	843.77	884.18	87.18	674.32	434.61	1.55	PASS
7625.00†	7162.95	1519.20	1020.12	15267.00	7080.20	843.38	890.75	84.92	693.04	428.14	1.62	PASS
7724.04	7170.00	1520.68	1118.80	15267.00	7080.20	843.38	890.75	82.37	720.28	415.22	1.74	PASS
7725.00†	7170.00	1520.68	1119.76	15267.00	7080.20	843.38	890.75	82.37	720.58	415.07	1.74	PASS
7825.00†	7169.55	1520.44	1219.75	15267.00	7080.20	843.38	890.75	82.37	758.05	397.50	1.91	PASS
7925.00†	7169.10	1520.20	1319.75	15267.00	7080.20	843.38	890.75	82.37	806.24	377.26	2.14	PASS
8025.00†	7168.65	1519.96	1419.75	15267.00	7080.20	843.38	890.75	82.37	863.38	356.19	2.43	PASS
8125.00†	7168.20	1519.73	1519.75	15267.00	7080.20	843.38	890.75	82.37	927.81	335.54	2.77	PASS
8225.00†	7167.75	1519.49	1619.75	15267.00	7080.20	843.38	890.75	82.37	998.11	316.06	3.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	691.20	-4955.09	667.99	-4921.12
9.625in Casing Surface	25.00	1767.00	1742.00	10.00	1744.34	691.20	-4955.09	667.80	-4920.75
8.5in Open Hole	1755.00	15267.00	13512.00	1732.42	7080.20	667.99	-4921.12	602.17	-2206.02

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	0.00	25.00	972.53	5143.91	79.29	5235.04	50.17	106.38	PASS
125.00†	125.00	0.00	0.00	106.90	131.90	972.26	5143.89	79.30	5234.97	50.17	106.37	PASS
200.00	200.00	0.00	0.00	188.70	213.70	971.81	5143.81	79.30	5234.83	50.18	106.34	PASS
225.00†	225.00	0.10	0.04	218.18	243.18	971.64	5143.75	60.22	5234.70	50.18	106.33	PASS
325.00†	324.96	2.58	0.89	324.61	349.60	971.28	5143.27	60.28	5232.88	50.21	106.24	PASS
425.00†	424.77	8.35	2.89	396.75	421.75	971.38	5143.10	60.38	5229.64	50.25	106.09	PASS
525.00†	524.30	17.40	6.02	450.21	475.21	971.64	5143.31	60.50	5225.39	50.29	105.91	PASS
625.00†	623.44	29.74	10.29	505.45	530.43	972.01	5144.03	60.65	5220.33	50.35	105.69	PASS
725.00†	722.07	45.33	15.69	619.56	644.53	973.32	5145.75	60.94	5213.89	50.44	105.36	PASS
825.00†	820.05	64.17	22.20	790.91	815.84	976.81	5146.53	61.39	5204.97	50.57	104.91	PASS
882.76	876.31	76.52	26.48	890.67	915.58	978.92	5145.81	61.70	5198.41	50.65	104.61	PASS
925.00†	917.36	85.95	29.74	926.23	951.13	979.32	5145.47	61.78	5193.26	50.70	104.39	PASS
1025.00†	1014.53	108.26	37.46	997.41	1022.30	979.67	5145.12	61.94	5181.47	50.83	103.88	PASS
1125.00†	1111.71	130.57	45.18	1116.39	1141.28	980.03	5144.64	62.21	5169.81	51.01	103.28	PASS
1225.00†	1208.88	152.88	52.90	1232.46	1257.35	980.46	5143.68	62.47	5157.84	51.20	102.64	PASS
1325.00†	1306.05	175.19	60.62	1379.40	1404.27	981.28	5141.59	62.81	5145.46	51.44	101.92	PASS
1425.00†	1403.23	197.50	68.34	1632.84	1657.16	992.45	5130.81	63.27	5130.79	51.73	101.06	PASS
1525.00†	1500.40	219.81	76.06	1721.48	1745.29	1000.15	5125.15	63.39	5114.91	52.00	100.21	PASS
1625.00†	1597.57	242.12	83.78	1779.57	1802.94	1006.34	5121.63	63.45	5099.63	52.28	99.36	PASS
1725.00†	1694.75	264.43	91.50	1835.76	1858.59	1013.39	5118.52	63.50	5085.15	52.58	98.49	PASS
1825.00†	1791.92	286.74	99.21	1891.09	1913.18	1022.00	5115.70	63.53	5071.53	52.52	97.87	PASS
1925.00†	1889.10	309.05	106.93	2202.11	2215.86	1088.98	5092.31	63.49	5056.59	52.68	97.27	PASS
2025.00†	1986.27	331.36	114.65	2271.77	2283.27	1105.18	5085.56	63.46	5039.54	52.78	96.76	PASS
2125.00†	2083.44	353.67	122.37	2409.51	2416.78	1136.42	5072.41	63.41	5022.62	52.91	96.21	PASS
2225.00†	2180.62	375.98	130.09	2522.62	2526.27	1162.32	5060.80	63.37	5004.97	53.04	95.62	PASS
2325.00†	2277.79	398.29	137.81	2636.04	2635.87	1188.85	5048.62	63.32	4986.91	53.19	95.00	PASS
2425.00†	2374.96	420.60	145.53	2761.63	2756.98	1219.09	5034.83	63.26	4968.78	53.36	94.35	PASS
2525.00†	2472.14	442.91	153.25	2872.13	2863.43	1245.74	5021.83	63.20	4949.82	53.55	93.66	PASS
2625.00†	2569.31	465.22	160.97	2943.23	2931.99	1262.72	5013.66	63.16	4931.14	53.74	92.97	PASS
2725.00†	2666.48	487.53	168.69	3010.33	2996.71	1278.87	5006.42	63.12	4913.14	53.94	92.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	3106.13	3089.08	1302.16	4996.31	63.07	4895.42	54.17	91.55	PASS
2925.00†	2860.83	532.15	184.13	3176.81	3157.42	1318.75	4989.17	63.04	4878.03	54.40	90.84	PASS
3025.00†	2958.00	554.46	191.85	3247.55	3226.09	1334.41	4982.57	63.02	4861.20	54.64	90.12	PASS
3125.00†	3055.18	576.77	199.57	3347.10	3322.82	1356.24	4973.82	62.99	4844.86	54.91	89.37	PASS
3225.00†	3152.35	599.08	207.29	3510.11	3481.02	1392.09	4957.76	62.95	4827.41	55.24	88.52	PASS
3325.00†	3249.52	621.39	215.01	3556.62	3526.17	1402.30	4953.19	62.94	4810.07	55.51	87.76	PASS
3425.00†	3346.70	643.70	222.73	3625.16	3592.73	1417.50	4947.23	62.92	4793.77	55.81	86.98	PASS
3525.00†	3443.87	666.01	230.45	3885.26	3843.46	1480.77	4919.53	62.76	4776.09	56.27	85.95	PASS
3625.00†	3541.04	688.32	238.17	4018.76	3970.81	1516.65	4901.75	62.63	4756.04	56.65	85.00	PASS
3725.00†	3638.22	710.63	245.88	4107.23	4055.25	1540.21	4889.85	62.55	4735.88	57.01	84.10	PASS
3825.00†	3735.39	732.94	253.60	4176.62	4121.75	1557.90	4880.93	62.49	4716.14	57.37	83.21	PASS
3925.00†	3832.56	755.25	261.32	4247.35	4189.79	1575.22	4872.38	62.45	4697.00	57.75	82.33	PASS
4025.00†	3929.74	777.56	269.04	4314.15	4254.19	1591.27	4864.72	62.41	4678.43	58.13	81.47	PASS
4125.00†	4026.91	799.87	276.76	4368.07	4306.24	1604.09	4859.04	62.38	4660.69	58.51	80.63	PASS
4225.00†	4124.08	822.18	284.48	4437.73	4373.59	1620.61	4852.35	62.34	4643.84	58.91	79.78	PASS
4325.00†	4221.26	844.49	292.20	4569.95	4501.25	1652.59	4839.59	62.26	4627.12	59.38	78.85	PASS
4425.00†	4318.43	866.80	299.92	4672.63	4600.45	1676.85	4828.96	62.21	4609.54	59.83	77.95	PASS
4525.00†	4415.60	889.11	307.64	4766.42	4691.19	1698.62	4819.49	62.16	4592.18	60.29	77.06	PASS
4625.00†	4512.78	911.42	315.36	4868.91	4790.52	1721.69	4809.26	62.12	4574.80	60.76	76.16	PASS
4725.00†	4609.95	933.72	323.08	4959.54	4878.50	1741.53	4800.28	62.09	4557.41	61.24	75.28	PASS
4825.00†	4707.13	956.03	330.80	5040.06	4956.54	1759.76	4792.44	62.06	4540.31	61.71	74.42	PASS
4925.00†	4804.30	978.34	338.52	5111.87	5026.16	1776.03	4785.79	62.03	4523.69	62.19	73.57	PASS
5025.00†	4901.47	1000.65	346.24	5166.12	5079.01	1787.41	4781.39	62.02	4507.89	62.64	72.77	PASS
5125.00†	4998.65	1022.96	353.96	5232.63	5144.22	1799.72	4776.92	62.04	4493.01	63.12	71.98	PASS
5225.00†	5095.82	1045.27	361.68	5315.42	5225.72	1813.38	4771.96	62.07	4478.55	63.63	71.17	PASS
5325.00†	5192.99	1067.58	369.40	5385.03	5294.49	1823.60	4768.38	62.13	4464.63	64.11	70.41	PASS
5425.00†	5290.17	1089.89	377.12	5454.52	5363.32	1832.61	4765.48	62.19	4451.37	64.60	69.66	PASS
5525.00†	5387.34	1112.20	384.84	5535.90	5444.18	1841.45	4762.88	62.30	4438.73	65.11	68.91	PASS
5625.00†	5484.51	1134.51	392.56	5632.71	5540.67	1848.85	4760.37	62.46	4426.19	65.64	68.16	PASS
5725.00†	5581.69	1156.82	400.27	5718.95	5626.75	1853.90	4758.56	62.63	4413.91	66.16	67.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5813.72	5721.40	1858.22	4756.98	62.83	4401.89	66.69	66.70	PASS
5925.00†	5776.03	1201.44	415.71	5944.96	5852.59	1860.73	4754.65	63.16	4389.41	67.30	65.91	PASS
6025.00†	5873.21	1223.75	423.43	6038.07	5945.69	1860.35	4753.05	63.42	4376.77	67.87	65.16	PASS
6125.00†	5970.38	1246.06	431.15	6125.01	6032.61	1859.79	4751.82	63.67	4364.48	68.44	64.42	PASS
6225.00†	6067.55	1268.37	438.87	6222.92	6130.51	1859.28	4750.45	63.94	4352.33	69.04	63.68	PASS
6325.00†	6164.73	1290.68	446.59	6316.07	6223.66	1859.23	4749.17	64.21	4340.38	69.64	62.95	PASS
6425.00†	6261.90	1312.99	454.31	6419.61	6327.18	1859.56	4747.55	64.49	4328.38	70.27	62.21	PASS
6525.00†	6359.07	1335.30	462.03	6494.78	6402.34	1859.97	4746.54	64.70	4316.74	70.86	61.53	PASS
6625.00†	6456.25	1357.61	469.75	6591.24	6498.79	1860.58	4745.52	64.96	4305.46	71.48	60.82	PASS
6725.00†	6553.42	1379.92	477.47	6685.63	6593.18	1861.33	4744.52	65.22	4294.31	72.10	60.14	PASS
6770.11	6597.25	1389.99	480.95	6740.52	6648.06	1861.93	4743.89	65.37	4289.29	72.41	59.81	PASS
6825.00†	6650.35	1402.17	487.54	6818.71	6726.24	1862.80	4742.66	65.62	4280.65	72.82	59.35	PASS
6925.00†	6744.88	1423.86	511.48	6996.52	6903.94	1865.97	4737.44	65.87	4252.00	73.93	58.06	PASS
7025.00†	6834.60	1444.41	550.31	7112.17	7019.46	1868.08	4732.44	66.12	4207.60	75.30	56.40	PASS
7125.00†	6917.30	1463.34	603.05	7188.24	7095.45	1868.94	4729.03	66.37	4149.70	76.45	54.78	PASS
7225.00†	6990.95	1480.16	668.41	7257.60	7164.74	1869.63	4725.99	66.62	4079.93	77.41	53.18	PASS
7325.00†	7053.73	1494.48	744.79	7316.11	7223.19	1870.26	4723.43	66.87	3999.94	78.15	51.64	PASS
7425.00†	7104.09	1505.93	830.30	7361.67	7268.70	1870.78	4721.45	67.12	3911.69	78.67	50.16	PASS
7525.00†	7140.80	1514.24	922.83	7393.63	7300.63	1871.15	4720.07	67.37	3817.32	78.98	48.76	PASS
7625.00†	7162.95	1519.20	1020.12	7402.34	7309.33	1871.25	4719.70	67.62	3719.17	79.22	47.36	PASS
7724.04	7170.00	1520.68	1118.80	7402.98	7309.97	1871.25	4719.67	67.87	3620.61	79.21	46.11	PASS
7725.00†	7170.00	1520.68	1119.76	7402.97	7309.96	1871.25	4719.67	68.12	3619.65	79.21	46.10	PASS
7825.00†	7169.55	1520.44	1219.75	7402.02	7309.01	1871.24	4719.71	68.37	3520.26	79.08	44.91	PASS
7925.00†	7169.10	1520.20	1319.75	7401.03	7308.02	1871.23	4719.75	68.62	3420.89	78.94	43.72	PASS
8025.00†	7168.65	1519.96	1419.75	7399.94	7306.93	1871.22	4719.80	68.87	3321.57	78.80	42.53	PASS
8125.00†	7168.20	1519.73	1519.75	7395.27	7302.27	1871.16	4720.00	69.12	3222.28	78.72	41.30	PASS
8225.00†	7167.75	1519.49	1619.75	7390.60	7297.61	1871.11	4720.20	69.37	3123.03	78.64	40.06	PASS
8325.00†	7167.30	1519.25	1719.75	7385.93	7292.94	1871.06	4720.40	69.62	3023.82	78.58	38.82	PASS
8425.00†	7166.85	1519.01	1819.75	7381.25	7288.26	1871.00	4720.61	69.87	2924.66	78.52	37.58	PASS
8525.00†	7166.40	1518.77	1919.75	7376.57	7283.58	1870.95	4720.81	70.12	2825.55	78.48	36.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7165.95	1518.53	2019.74	7371.88	7278.90	1870.89	4721.01	-109.22	2726.49	78.46	35.06	PASS
8725.00†	7165.51	1518.30	2119.74	7367.18	7274.21	1870.84	4721.21	-108.55	2627.50	78.45	33.79	PASS
8825.00†	7165.06	1518.06	2219.74	7362.48	7269.51	1870.78	4721.42	-107.88	2528.58	78.46	32.51	PASS
8925.00†	7164.61	1517.82	2319.74	7357.78	7264.81	1870.73	4721.62	-107.20	2429.74	78.51	31.22	PASS
9025.00†	7164.16	1517.58	2419.74	7353.06	7260.10	1870.68	4721.83	-106.51	2330.98	78.59	29.92	PASS
9125.00†	7163.71	1517.34	2519.74	7348.35	7255.39	1870.62	4722.03	-105.82	2232.33	78.72	28.61	PASS
9225.00†	7163.26	1517.10	2619.74	7343.63	7250.67	1870.57	4722.24	-105.12	2133.80	78.90	27.28	PASS
9325.00†	7162.81	1516.87	2719.73	7338.90	7245.95	1870.52	4722.44	-104.42	2035.39	79.16	25.94	PASS
9425.00†	7162.36	1516.63	2819.73	7334.16	7241.22	1870.46	4722.65	-103.71	1937.14	79.50	24.58	PASS
9525.00†	7161.91	1516.39	2919.73	7329.43	7236.49	1870.41	4722.85	-102.99	1839.06	79.96	23.20	PASS
9625.00†	7161.46	1516.15	3019.73	7324.68	7231.75	1870.36	4723.06	-102.27	1741.19	80.55	21.80	PASS
9725.00†	7161.01	1515.91	3119.73	7319.93	7227.01	1870.30	4723.27	-101.55	1643.56	81.32	20.38	PASS
9825.00†	7160.57	1515.67	3219.73	7315.18	7222.26	1870.25	4723.47	-100.82	1546.21	82.31	18.94	PASS
9925.00†	7160.12	1515.44	3319.73	7310.42	7217.50	1870.20	4723.68	-100.08	1449.22	83.59	17.48	PASS
10025.00†	7159.67	1515.20	3419.73	7305.65	7212.74	1870.14	4723.89	-99.35	1352.64	85.23	16.00	PASS
10125.00†	7159.22	1514.96	3519.72	7300.88	7207.97	1870.09	4724.10	-98.60	1256.59	87.33	14.50	PASS
10225.00†	7158.77	1514.72	3619.72	7296.10	7203.19	1870.04	4724.31	-97.86	1161.18	90.03	12.99	PASS
10325.00†	7158.32	1514.48	3719.72	7291.31	7198.41	1869.99	4724.52	-97.10	1066.58	93.51	11.49	PASS
10425.00†	7157.87	1514.24	3819.72	7286.52	7193.63	1869.93	4724.73	-96.35	973.05	97.98	10.00	PASS
10525.00†	7157.42	1514.01	3919.72	7281.73	7188.85	1869.88	4724.94	-95.59	880.91	103.76	8.54	PASS
10625.00†	7156.97	1513.77	4019.72	7276.94	7184.06	1869.83	4725.14	-94.83	790.66	111.25	7.15	PASS
10725.00†	7156.52	1513.53	4119.72	7272.15	7179.27	1869.78	4725.35	-94.07	703.01	120.98	5.84	PASS
10825.00†	7156.08	1513.29	4219.72	7267.36	7174.48	1869.73	4725.56	-93.31	619.09	133.61	4.65	PASS
10925.00†	7155.63	1513.05	4319.71	7262.56	7169.69	1869.68	4725.77	-92.54	540.62	149.89	3.62	PASS
11025.00†	7155.18	1512.81	4419.71	7257.76	7164.90	1869.63	4725.98	-91.78	470.33	170.29	2.77	PASS
11125.00†	7154.73	1512.58	4519.71	7252.96	7160.10	1869.58	4726.19	-91.01	412.45	194.06	2.13	PASS
11225.00†	7154.28	1512.34	4619.71	7248.16	7155.30	1869.53	4726.40	-90.24	372.79	217.44	1.72	PASS
11325.00†	7153.83	1512.10	4719.71	7243.35	7150.50	1869.48	4726.62	-89.47	357.47	232.98	1.54	PASS
11331.16†	7153.80	1512.08	4725.87	7243.01	7150.16	1869.48	4726.63	-89.42	357.41	233.52	1.53	PASS
11355.64†	7153.69	1512.03	4750.35	7241.88	7149.03	1869.47	4726.68	-89.24	358.25	235.06	1.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11425.00†	7153.38	1511.86	4819.71	7238.55	7145.70	1869.43	4726.83	-88.70	369.52	234.67	1.58	PASS
11525.00†	7152.93	1511.62	4919.71	7233.74	7140.90	1869.39	4727.04	-87.93	406.52	224.29	1.82	PASS
11625.00†	7152.48	1511.38	5019.71	7228.93	7136.09	1869.34	4727.25	-87.16	462.53	208.51	2.22	PASS
11725.00†	7152.03	1511.15	5119.70	7224.12	7131.29	1869.29	4727.46	-86.39	531.56	192.44	2.77	PASS
11825.00†	7151.58	1510.91	5219.70	7219.30	7126.48	1869.24	4727.67	-85.63	609.21	178.25	3.43	PASS
11925.00†	7151.14	1510.67	5319.70	7214.49	7121.67	1869.20	4727.88	-84.86	692.58	166.37	4.18	PASS
12025.00†	7150.69	1510.43	5419.70	7209.67	7116.85	1869.15	4728.09	-84.09	779.84	156.61	5.00	PASS
12125.00†	7150.24	1510.19	5519.70	7204.85	7112.04	1869.10	4728.30	-83.33	869.82	148.60	5.88	PASS
12225.00†	7149.79	1509.95	5619.70	7200.03	7107.22	1869.06	4728.52	-82.57	961.76	141.98	6.80	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

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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
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	80.60	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-74.85	-90.00	74.85	2.30	55.35	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	0.00	-74.85	-109.16	74.89	2.44	50.09	PASS
325.00†	324.96	2.58	0.89	325.13	325.13	0.11	-74.83	-110.94	75.76	3.08	35.26	PASS
425.00†	424.77	8.35	2.89	425.81	425.77	2.69	-74.23	-113.27	77.33	3.91	25.95	PASS
525.00†	524.30	17.40	6.02	526.61	526.37	8.73	-72.85	-115.37	79.37	4.83	20.26	PASS
625.00†	623.44	29.74	10.29	627.52	626.81	18.23	-70.67	-117.23	81.84	5.82	16.66	PASS
725.00†	722.07	45.33	15.69	728.55	726.95	31.18	-67.70	-118.84	84.72	6.89	14.14	PASS
825.00†	820.05	64.17	22.20	829.69	826.68	47.59	-63.93	-120.20	87.97	8.05	12.27	PASS
882.76	876.31	76.52	26.48	888.15	884.03	58.64	-61.40	-120.88	90.01	8.79	11.38	PASS
925.00†	917.36	85.95	29.74	930.95	925.86	67.45	-59.38	-121.19	91.41	9.27	10.88	PASS
1025.00†	1014.53	108.26	37.46	1032.29	1024.35	90.73	-54.04	-120.46	93.68	10.49	9.73	PASS
1125.00†	1111.71	130.57	45.18	1133.51	1121.80	117.35	-47.93	-117.79	94.58	11.84	8.61	PASS
1225.00†	1208.88	152.88	52.90	1234.34	1217.86	147.20	-41.08	-113.16	94.58	13.36	7.55	PASS
1325.00†	1306.05	175.19	60.62	1334.54	1312.20	180.10	-33.54	-106.52	94.48	15.05	6.64	PASS
1425.00†	1403.23	197.50	68.34	1433.87	1404.50	215.87	-25.33	-97.95	95.46	17.05	5.88	PASS
1525.00†	1500.40	219.81	76.06	1532.27	1494.69	254.21	-16.54	-87.96	98.94	19.02	5.43	PASS
1625.00†	1597.57	242.12	83.78	1630.58	1584.48	293.21	-7.59	-78.49	105.49	20.78	5.28	PASS
1725.00†	1694.75	264.43	91.50	1728.89	1674.28	332.22	1.36	-70.29	114.62	22.22	5.35	PASS
1825.00†	1791.92	286.74	99.21	1827.20	1764.08	371.23	10.31	-63.40	125.77	22.31	5.79	PASS
1925.00†	1889.10	309.05	106.93	1925.51	1853.88	410.24	19.26	-57.67	138.44	21.83	6.52	PASS
2025.00†	1986.27	331.36	114.65	2023.83	1943.67	449.24	28.21	-52.93	152.26	21.48	7.30	PASS
2125.00†	2083.44	353.67	122.37	2122.14	2033.47	488.25	37.16	-48.99	166.95	21.28	8.08	PASS
2225.00†	2180.62	375.98	130.09	2220.45	2123.27	527.26	46.10	-45.69	182.29	21.23	8.85	PASS
2325.00†	2277.79	398.29	137.81	2318.76	2213.07	566.26	55.05	-42.91	198.13	21.31	9.58	PASS
2425.00†	2374.96	420.60	145.53	2417.08	2302.87	605.27	64.00	-40.54	214.36	21.52	10.26	PASS
2525.00†	2472.14	442.91	153.25	2515.39	2392.66	644.28	72.95	-38.50	230.90	21.85	10.89	PASS
2625.00†	2569.31	465.22	160.97	2613.70	2482.46	683.29	81.90	-36.74	247.69	22.27	11.46	PASS
2725.00†	2666.48	487.53	168.69	2712.01	2572.26	722.29	90.85	-35.20	264.68	22.78	11.96	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2810.32	2662.06	761.30	99.79	-33.85	281.83	23.37	12.41	PASS
2925.00†	2860.83	532.15	184.13	2908.64	2751.85	800.31	108.74	-32.65	299.12	24.03	12.80	PASS
3025.00†	2958.00	554.46	191.85	3006.95	2841.65	839.32	117.69	-31.58	316.52	24.74	13.14	PASS
3125.00†	3055.18	576.77	199.57	3105.26	2931.45	878.32	126.64	-30.63	334.01	25.51	13.44	PASS
3225.00†	3152.35	599.08	207.29	3203.57	3021.25	917.33	135.59	-29.77	351.59	26.33	13.69	PASS
3325.00†	3249.52	621.39	215.01	3301.88	3111.05	956.34	144.54	-28.99	369.24	27.19	13.92	PASS
3425.00†	3346.70	643.70	222.73	3400.20	3200.84	995.35	153.49	-28.28	386.94	28.09	14.11	PASS
3525.00†	3443.87	666.01	230.45	3498.51	3290.64	1034.35	162.43	-27.63	404.70	29.01	14.27	PASS
3625.00†	3541.04	688.32	238.17	3596.82	3380.44	1073.36	171.38	-27.04	422.51	29.97	14.42	PASS
3725.00†	3638.22	710.63	245.88	3695.13	3470.24	1112.37	180.33	-26.50	440.35	30.95	14.54	PASS
3825.00†	3735.39	732.94	253.60	3793.45	3560.03	1151.38	189.28	-26.00	458.24	31.95	14.64	PASS
3925.00†	3832.56	755.25	261.32	3891.76	3649.83	1190.38	198.23	-25.53	476.15	32.97	14.73	PASS
4025.00†	3929.74	777.56	269.04	3990.07	3739.63	1229.39	207.18	-25.10	494.09	34.02	14.81	PASS
4125.00†	4026.91	799.87	276.76	4088.38	3829.43	1268.40	216.12	-24.70	512.05	35.07	14.88	PASS
4225.00†	4124.08	822.18	284.48	4186.69	3919.22	1307.41	225.07	-24.33	530.04	36.14	14.94	PASS
4325.00†	4221.26	844.49	292.20	4285.01	4009.02	1346.41	234.02	-23.98	548.05	37.23	14.99	PASS
4425.00†	4318.43	866.80	299.92	4383.32	4098.82	1385.42	242.97	-23.66	566.08	38.32	15.03	PASS
4525.00†	4415.60	889.11	307.64	4481.63	4188.62	1424.43	251.92	-23.35	584.12	39.43	15.07	PASS
4625.00†	4512.78	911.42	315.36	4579.94	4278.42	1463.44	260.87	-23.06	602.18	40.55	15.10	PASS
4725.00†	4609.95	933.72	323.08	4678.26	4368.21	1502.44	269.81	-22.79	620.25	41.67	15.12	PASS
4825.00†	4707.13	956.03	330.80	4776.57	4458.01	1541.45	278.76	-22.54	638.34	42.81	15.15	PASS
4925.00†	4804.30	978.34	338.52	4874.88	4547.81	1580.46	287.71	-22.29	656.44	43.95	15.17	PASS
5025.00†	4901.47	1000.65	346.24	4973.19	4637.61	1619.46	296.66	-22.06	674.54	45.09	15.18	PASS
5125.00†	4998.65	1022.96	353.96	5071.50	4727.40	1658.47	305.61	-21.85	692.66	46.25	15.19	PASS
5225.00†	5095.82	1045.27	361.68	5169.82	4817.20	1697.48	314.56	-21.64	710.79	47.41	15.21	PASS
5325.00†	5192.99	1067.58	369.40	5268.13	4907.00	1736.49	323.51	-21.45	728.92	48.57	15.21	PASS
5425.00†	5290.17	1089.89	377.12	5366.44	4996.80	1775.49	332.45	-21.26	747.07	49.74	15.22	PASS
5525.00†	5387.34	1112.20	384.84	5464.75	5086.59	1814.50	341.40	-21.08	765.22	50.91	15.23	PASS
5625.00†	5484.51	1134.51	392.56	5563.06	5176.39	1853.51	350.35	-20.91	783.37	52.09	15.23	PASS
5725.00†	5581.69	1156.82	400.27	5661.38	5266.19	1892.52	359.30	-20.75	801.54	53.27	15.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	5759.69	5355.99	1931.52	368.25	-20.60	819.71	54.46	15.24	PASS
5925.00†	5776.03	1201.44	415.71	5858.00	5445.79	1970.53	377.20	-20.45	837.88	55.65	15.24	PASS
6025.00†	5873.21	1223.75	423.43	5956.31	5535.58	2009.54	386.14	-20.31	856.06	56.84	15.24	PASS
6125.00†	5970.38	1246.06	431.15	6054.63	5625.38	2048.55	395.09	-20.17	874.24	58.04	15.24	PASS
6225.00†	6067.55	1268.37	438.87	6152.94	5715.18	2087.55	404.04	-20.05	892.43	59.23	15.24	PASS
6325.00†	6164.73	1290.68	446.59	6251.25	5804.98	2126.56	412.99	-19.92	910.63	60.43	15.23	PASS
6425.00†	6261.90	1312.99	454.31	6349.56	5894.77	2165.57	421.94	-19.80	928.82	61.64	15.23	PASS
6525.00†	6359.07	1335.30	462.03	6447.87	5984.57	2204.58	430.89	-19.68	947.03	62.84	15.23	PASS
6625.00†	6456.25	1357.61	469.75	6546.19	6074.37	2243.58	439.84	-19.57	965.23	64.05	15.23	PASS
6725.00†	6553.42	1379.92	477.47	6644.50	6164.17	2282.59	448.78	-19.47	983.44	65.26	15.22	PASS
6770.11	6597.25	1389.99	480.95	6688.85	6204.67	2300.19	452.82	-19.42	991.65	65.80	15.22	PASS

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	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	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	-45.63	103.81	-21.81
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.56	0.00	-45.63	103.81	-21.81
8.5in Open Hole	1750.00	15270.54	13520.54	1693.56	6953.00	103.81	-21.81	793.62	2561.49



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	162.14	146.98	1.56	243.36	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-139.90	45.08	162.14	146.98	1.89	158.08	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-139.90	45.08	162.14	146.98	2.30	108.94	PASS
225.00†	225.00	0.10	0.04	225.81	225.81	-139.86	44.97	143.12	147.00	2.45	98.25	PASS
325.00†	324.96	2.58	0.89	328.91	328.86	-138.92	42.35	144.60	147.50	3.44	59.11	PASS
425.00†	424.77	8.35	2.89	431.52	431.27	-136.75	36.27	147.98	149.03	4.90	37.61	PASS
525.00†	524.30	17.40	6.02	533.28	532.52	-133.38	26.84	153.06	152.44	6.04	29.81	PASS
625.00†	623.44	29.74	10.29	633.81	632.15	-128.87	14.21	159.46	158.89	7.08	25.81	PASS
725.00†	722.07	45.33	15.69	731.75	728.84	-123.62	-0.48	166.26	169.86	8.08	23.74	PASS
825.00†	820.05	64.17	22.20	828.49	824.33	-118.39	-15.11	172.32	186.39	9.11	22.75	PASS
882.76	876.31	76.52	26.48	884.04	879.16	-115.39	-23.51	175.40	198.34	9.67	22.66	PASS
925.00†	917.36	85.95	29.74	924.57	919.17	-113.20	-29.64	177.45	207.82	10.01	22.87	PASS
1025.00†	1014.53	108.26	37.46	1020.52	1013.87	-108.02	-44.15	178.37	231.16	10.78	23.45	PASS
1125.00†	1111.71	130.57	45.18	1116.47	1108.58	-102.83	-58.66	174.95	255.47	11.60	23.93	PASS
1225.00†	1208.88	152.88	52.90	1212.42	1203.28	-97.65	-73.17	172.12	280.51	12.38	24.49	PASS
1325.00†	1306.05	175.19	60.62	1308.38	1297.99	-92.46	-87.68	169.75	306.09	13.23	24.88	PASS
1425.00†	1403.23	197.50	68.34	1404.33	1392.69	-87.28	-102.19	167.75	332.10	14.09	25.23	PASS
1525.00†	1500.40	219.81	76.06	1500.28	1487.39	-82.09	-116.70	166.03	358.43	14.97	25.52	PASS
1625.00†	1597.57	242.12	83.78	1596.23	1582.10	-76.91	-131.21	164.55	385.02	15.87	25.76	PASS
1725.00†	1694.75	264.43	91.50	1692.18	1676.80	-71.72	-145.72	163.26	411.82	16.79	25.96	PASS
1825.00†	1791.92	286.74	99.21	1788.13	1771.51	-66.54	-160.24	162.12	438.79	17.14	26.66	PASS
1925.00†	1889.10	309.05	106.93	1884.08	1866.21	-61.35	-174.75	161.12	465.90	17.33	27.98	PASS
2025.00†	1986.27	331.36	114.65	1980.03	1960.92	-56.17	-189.26	160.23	493.13	17.50	29.33	PASS
2125.00†	2083.44	353.67	122.37	2075.98	2055.62	-50.98	-203.77	159.43	520.46	17.73	30.53	PASS
2225.00†	2180.62	375.98	130.09	2171.93	2150.33	-45.80	-218.28	158.71	547.88	18.03	31.59	PASS
2325.00†	2277.79	398.29	137.81	2267.88	2245.03	-40.61	-232.79	158.06	575.37	18.40	32.49	PASS
2425.00†	2374.96	420.60	145.53	2363.83	2339.74	-35.43	-247.30	157.46	602.92	18.82	33.25	PASS
2525.00†	2472.14	442.91	153.25	2459.78	2434.44	-30.24	-261.81	156.92	630.53	19.30	33.87	PASS
2625.00†	2569.31	465.22	160.97	2555.73	2529.15	-25.06	-276.32	156.43	658.19	19.83	34.38	PASS
2725.00†	2666.48	487.53	168.69	2651.68	2623.85	-19.87	-290.83	155.97	685.88	20.41	34.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	2747.63	2718.56	-14.69	-305.34	-155.55	713.62	21.04	35.07	PASS
2925.00†	2860.83	532.15	184.13	2843.58	2813.26	-9.50	-319.86	-155.16	741.38	21.70	35.28	PASS
3025.00†	2958.00	554.46	191.85	2939.53	2907.97	-4.32	-334.37	-154.80	769.18	22.40	35.42	PASS
3125.00†	3055.18	576.77	199.57	3035.48	3002.67	0.87	-348.88	-154.47	797.00	23.13	35.51	PASS
3225.00†	3152.35	599.08	207.29	3131.43	3097.38	6.05	-363.39	-154.15	824.85	23.90	35.54	PASS
3325.00†	3249.52	621.39	215.01	3227.38	3192.08	11.24	-377.90	-153.86	852.71	24.69	35.53	PASS
3425.00†	3346.70	643.70	222.73	3323.33	3286.79	16.42	-392.41	-153.59	880.60	25.50	35.49	PASS
3525.00†	3443.87	666.01	230.45	3419.28	3381.49	21.61	-406.92	-153.33	908.50	26.33	35.42	PASS
3625.00†	3541.04	688.32	238.17	3515.23	3476.20	26.79	-421.43	-153.09	936.42	27.19	35.33	PASS
3725.00†	3638.22	710.63	245.88	3611.18	3570.90	31.98	-435.94	-152.86	964.36	28.06	35.23	PASS
3825.00†	3735.39	732.94	253.60	3707.13	3665.61	37.16	-450.45	-152.64	992.31	28.96	35.10	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	27.48	-63.55	-33.34
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.88	-85.28	27.48	-63.55	-33.34
8.5in Open Hole	1750.00	16539.93	14789.93	1733.88	7027.00	-63.55	-33.34	17.92	2704.56



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-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	96.99	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-89.88	-90.00	89.88	2.29	66.89	PASS
225.00†	225.00	0.10	0.04	225.17	225.17	0.11	-89.85	-109.08	89.89	2.43	60.49	PASS
325.00†	324.96	2.58	0.89	325.85	325.81	2.70	-89.28	-109.01	90.18	3.09	41.91	PASS
425.00†	424.77	8.35	2.89	426.53	426.29	8.74	-87.95	-108.85	90.85	3.90	30.60	PASS
525.00†	524.30	17.40	6.02	527.19	526.48	18.23	-85.85	-108.61	91.90	4.73	24.16	PASS
625.00†	623.44	29.74	10.29	627.85	626.26	31.14	-83.00	-108.28	93.34	5.64	19.75	PASS
725.00†	722.07	45.33	15.69	728.50	725.50	47.47	-79.40	-107.88	95.17	6.68	16.47	PASS
825.00†	820.05	64.17	22.20	829.12	824.08	67.18	-75.04	-107.42	97.38	7.89	13.91	PASS
882.76	876.31	76.52	26.48	887.23	880.66	80.11	-72.19	-107.12	98.83	8.68	12.69	PASS
925.00†	917.36	85.95	29.74	929.73	921.86	90.26	-69.95	-106.75	99.88	9.26	11.93	PASS
1025.00†	1014.53	108.26	37.46	1030.19	1018.62	116.64	-64.12	-104.50	102.01	10.74	10.33	PASS
1125.00†	1111.71	130.57	45.18	1130.29	1114.03	146.20	-57.60	-100.44	103.98	12.38	9.03	PASS
1225.00†	1208.88	152.88	52.90	1229.78	1207.74	178.79	-50.40	-94.72	106.51	14.14	8.01	PASS
1325.00†	1306.05	175.19	60.62	1328.41	1299.46	214.22	-42.58	-87.61	110.53	16.04	7.27	PASS
1425.00†	1403.23	197.50	68.34	1425.99	1388.91	252.28	-34.18	-79.58	117.11	17.88	6.87	PASS
1525.00†	1500.40	219.81	76.06	1523.61	1477.39	292.55	-25.28	-71.49	126.85	19.52	6.78	PASS
1625.00†	1597.57	242.12	83.78	1621.57	1566.11	333.09	-16.34	-64.56	138.88	20.93	6.91	PASS
1725.00†	1694.75	264.43	91.50	1719.52	1654.84	373.62	-7.39	-58.78	152.62	22.14	7.16	PASS
1825.00†	1791.92	286.74	99.21	1817.48	1743.56	414.15	1.56	-53.98	167.66	22.18	7.77	PASS
1925.00†	1889.10	309.05	106.93	1915.43	1832.29	454.69	10.51	-49.98	183.67	21.79	8.68	PASS
2025.00†	1986.27	331.36	114.65	2013.38	1921.01	495.22	19.46	-46.62	200.43	21.51	9.60	PASS
2125.00†	2083.44	353.67	122.37	2111.34	2009.74	535.75	28.41	-43.79	217.75	21.37	10.50	PASS
2225.00†	2180.62	375.98	130.09	2209.29	2098.46	576.28	37.36	-41.37	235.52	21.37	11.36	PASS
2325.00†	2277.79	398.29	137.81	2307.25	2187.19	616.82	46.31	-39.29	253.65	21.50	12.16	PASS
2425.00†	2374.96	420.60	145.53	2405.20	2275.91	657.35	55.26	-37.49	272.05	21.75	12.90	PASS
2525.00†	2472.14	442.91	153.25	2503.15	2364.63	697.88	64.21	-35.92	290.69	22.09	13.56	PASS
2625.00†	2569.31	465.22	160.97	2601.11	2453.36	738.41	73.16	-34.54	309.50	22.53	14.15	PASS
2725.00†	2666.48	487.53	168.69	2699.06	2542.08	778.95	82.10	-33.32	328.48	23.06	14.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2797.02	2630.81	819.48	91.05	-32.23	347.58	23.65	15.12	PASS
2925.00†	2860.83	532.15	184.13	2894.97	2719.53	860.01	100.00	-31.25	366.79	24.31	15.51	PASS
3025.00†	2958.00	554.46	191.85	2992.93	2808.26	900.55	108.95	-30.37	386.10	25.03	15.84	PASS
3125.00†	3055.18	576.77	199.57	3090.88	2896.98	941.08	117.90	-29.57	405.49	25.81	16.13	PASS
3225.00†	3152.35	599.08	207.29	3188.83	2985.71	981.61	126.85	-28.85	424.94	26.63	16.37	PASS
3325.00†	3249.52	621.39	215.01	3286.79	3074.43	1022.14	135.80	-28.19	444.45	27.48	16.57	PASS
3425.00†	3346.70	643.70	222.73	3384.74	3163.16	1062.68	144.75	-27.58	464.02	28.38	16.74	PASS
3525.00†	3443.87	666.01	230.45	3482.70	3251.88	1103.21	153.70	-27.03	483.63	29.30	16.89	PASS
3625.00†	3541.04	688.32	238.17	3580.65	3340.60	1143.74	162.65	-26.52	503.28	30.26	17.01	PASS
3725.00†	3638.22	710.63	245.88	3678.61	3429.33	1184.28	171.60	-26.04	522.97	31.24	17.11	PASS
3825.00†	3735.39	732.94	253.60	3776.56	3518.05	1224.81	180.54	-25.60	542.69	32.24	17.19	PASS
3925.00†	3832.56	755.25	261.32	3874.51	3606.78	1265.34	189.49	-25.19	562.44	33.27	17.25	PASS
4025.00†	3929.74	777.56	269.04	3972.47	3695.50	1305.87	198.44	-24.81	582.21	34.31	17.31	PASS
4125.00†	4026.91	799.87	276.76	4070.42	3784.23	1346.41	207.39	-24.45	602.01	35.37	17.35	PASS
4225.00†	4124.08	822.18	284.48	4168.38	3872.95	1386.94	216.34	-24.12	621.83	36.44	17.38	PASS
4325.00†	4221.26	844.49	292.20	4266.33	3961.68	1427.47	225.29	-23.81	641.66	37.52	17.41	PASS
4425.00†	4318.43	866.80	299.92	4364.29	4050.40	1468.00	234.24	-23.51	661.52	38.62	17.43	PASS
4525.00†	4415.60	889.11	307.64	4462.24	4139.13	1508.54	243.19	-23.24	681.39	39.73	17.44	PASS
4625.00†	4512.78	911.42	315.36	4560.19	4227.85	1549.07	252.14	-22.98	701.27	40.85	17.45	PASS
4725.00†	4609.95	933.72	323.08	4658.15	4316.57	1589.60	261.09	-22.73	721.17	41.98	17.46	PASS
4825.00†	4707.13	956.03	330.80	4756.10	4405.30	1630.14	270.04	-22.49	741.08	43.11	17.46	PASS
4925.00†	4804.30	978.34	338.52	4854.06	4494.02	1670.67	278.98	-22.27	761.00	44.26	17.46	PASS
5025.00†	4901.47	1000.65	346.24	4952.01	4582.75	1711.20	287.93	-22.06	780.94	45.41	17.46	PASS
5125.00†	4998.65	1022.96	353.96	5049.97	4671.47	1751.73	296.88	-21.86	800.88	46.56	17.45	PASS
5225.00†	5095.82	1045.27	361.68	5147.92	4760.20	1792.27	305.83	-21.67	820.83	47.73	17.44	PASS
5325.00†	5192.99	1067.58	369.40	5245.87	4848.92	1832.80	314.78	-21.49	840.79	48.90	17.43	PASS
5425.00†	5290.17	1089.89	377.12	5343.83	4937.65	1873.33	323.73	-21.32	860.75	50.07	17.42	PASS
5525.00†	5387.34	1112.20	384.84	5441.78	5026.37	1913.86	332.68	-21.15	880.73	51.25	17.41	PASS
5625.00†	5484.51	1134.51	392.56	5539.74	5115.10	1954.40	341.63	-21.00	900.71	52.43	17.40	PASS
5725.00†	5581.69	1156.82	400.27	5637.69	5203.82	1994.93	350.58	-20.85	920.69	53.62	17.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	5735.64	5292.54	2035.46	359.53	-20.70	940.68	54.81	17.38	PASS
5925.00†	5776.03	1201.44	415.71	5833.60	5381.27	2076.00	368.48	-20.56	960.68	56.00	17.36	PASS
6025.00†	5873.21	1223.75	423.43	5931.55	5469.99	2116.53	377.42	-20.43	980.69	57.20	17.35	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	-54.79	117.72	-28.80
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1682.45	0.00	-54.79	117.72	-28.80
8.5in Open Hole	1750.00	15414.10	13664.10	1682.45	7024.00	117.72	-28.80	859.47	2557.48

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-23C-M PWB Offset Wellpath: TROUDT 1N-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	164.26	166.17	1.56	275.34	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-159.93	45.08	164.26	166.17	1.89	179.11	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-159.93	45.08	164.26	166.17	2.31	122.92	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-159.93	45.08	145.19	166.26	2.45	111.21	PASS
325.00†	324.96	2.58	0.89	325.58	325.58	-159.92	44.96	145.72	168.37	3.29	71.86	PASS
425.00†	424.77	8.35	2.89	427.74	427.69	-159.48	42.27	147.67	172.41	4.52	48.16	PASS
525.00†	524.30	17.40	6.02	529.16	528.92	-158.48	36.03	151.16	178.48	5.65	37.86	PASS
625.00†	623.44	29.74	10.29	629.43	628.71	-156.93	26.40	155.84	187.43	6.68	32.60	PASS
725.00†	722.07	45.33	15.69	728.13	726.54	-154.86	13.55	161.31	200.26	7.71	29.56	PASS
825.00†	820.05	64.17	22.20	824.62	821.84	-152.46	-1.36	166.85	217.92	8.75	27.87	PASS
882.76	876.31	76.52	26.48	879.81	876.34	-151.08	-9.96	169.73	230.50	9.31	27.50	PASS
925.00†	917.36	85.95	29.74	920.08	916.10	-150.07	-16.23	171.69	240.45	9.65	27.58	PASS
1025.00†	1014.53	108.26	37.46	1015.39	1010.22	-147.68	-31.08	175.77	264.99	10.41	27.94	PASS
1125.00†	1111.71	130.57	45.18	1110.71	1104.34	-145.29	-45.92	179.16	290.60	11.19	28.33	PASS
1225.00†	1208.88	152.88	52.90	1206.02	1198.46	-142.90	-60.77	177.99	317.03	11.94	28.80	PASS
1325.00†	1306.05	175.19	60.62	1301.33	1292.58	-140.51	-75.61	175.58	344.10	12.74	29.13	PASS
1425.00†	1403.23	197.50	68.34	1396.65	1386.70	-138.12	-90.46	173.52	371.65	13.58	29.38	PASS
1525.00†	1500.40	219.81	76.06	1491.96	1480.82	-135.73	-105.30	171.73	399.60	14.41	29.65	PASS
1625.00†	1597.57	242.12	83.78	1587.28	1574.94	-133.34	-120.15	170.18	427.86	15.25	29.88	PASS
1725.00†	1694.75	264.43	91.50	1682.59	1669.06	-130.95	-134.99	168.82	456.37	16.11	30.07	PASS
1825.00†	1791.92	286.74	99.21	1777.90	1763.19	-128.56	-149.83	167.62	485.10	16.44	30.79	PASS
1925.00†	1889.10	309.05	106.93	1873.22	1857.31	-126.17	-164.68	166.56	514.00	16.65	32.20	PASS
2025.00†	1986.27	331.36	114.65	1968.53	1951.43	-123.78	-179.52	165.60	543.05	16.81	33.69	PASS
2125.00†	2083.44	353.67	122.37	2063.84	2045.55	-121.39	-194.37	164.74	572.23	17.04	35.00	PASS
2225.00†	2180.62	375.98	130.09	2159.16	2139.67	-119.00	-209.21	163.97	601.51	17.34	36.13	PASS
2325.00†	2277.79	398.29	137.81	2254.47	2233.79	-116.61	-224.06	163.27	630.88	17.70	37.08	PASS
2425.00†	2374.96	420.60	145.53	2349.79	2327.91	-114.22	-238.90	162.63	660.33	18.13	37.87	PASS
2525.00†	2472.14	442.91	153.25	2445.10	2422.03	-111.83	-253.75	162.04	689.85	18.61	38.49	PASS
2625.00†	2569.31	465.22	160.97	2540.41	2516.15	-109.44	-268.59	161.50	719.43	19.15	38.97	PASS
2725.00†	2666.48	487.53	168.69	2635.73	2610.27	-107.05	-283.44	161.00	749.07	19.73	39.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2731.04	2704.39	-104.66	-298.28	-160.55	778.75	20.36	39.58	PASS
2925.00†	2860.83	532.15	184.13	2826.36	2798.51	-102.27	-313.13	-160.12	808.48	21.03	39.74	PASS
3025.00†	2958.00	554.46	191.85	2921.67	2892.63	-99.88	-327.97	-159.73	838.24	21.74	39.83	PASS
3125.00†	3055.18	576.77	199.57	3016.98	2986.75	-97.49	-342.82	-159.36	868.04	22.48	39.84	PASS
3225.00†	3152.35	599.08	207.29	3112.30	3080.87	-95.10	-357.66	-159.01	897.87	23.24	39.81	PASS
3325.00†	3249.52	621.39	215.01	3207.61	3174.99	-92.72	-372.51	-158.69	927.72	24.04	39.73	PASS
3425.00†	3346.70	643.70	222.73	3302.92	3269.11	-90.33	-387.35	-158.39	957.60	24.86	39.63	PASS
3525.00†	3443.87	666.01	230.45	3398.24	3363.23	-87.94	-402.20	-158.11	987.51	25.70	39.49	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	27.48	-88.15	-30.61
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.63	-97.50	27.48	-88.15	-30.61
8.5in Open Hole	25.00	16467.87	16442.87	25.00	6962.00	-97.50	27.48	-55.37	2705.60



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14305.99	7151.69	2359.14	-258.11	-6.24	7511.45	147.39	51.28	PASS
125.00†	125.00	0.00	0.00	14306.53	7151.70	2359.17	-257.58	-6.23	7416.64	148.87	50.12	PASS
200.00	200.00	0.00	0.00	14306.93	7151.70	2359.20	-257.17	-6.22	7345.62	149.66	49.38	PASS
225.00†	225.00	0.10	0.04	14307.09	7151.71	2359.21	-257.02	-25.94	7321.94	149.93	49.13	PASS
325.00†	324.96	2.58	0.89	14308.06	7151.72	2359.28	-256.05	-28.80	7226.67	150.97	48.15	PASS
425.00†	424.77	8.35	2.89	14309.60	7151.74	2359.39	-254.51	-32.26	7130.62	151.96	47.20	PASS
525.00†	524.30	17.40	6.02	14311.73	7151.77	2359.54	-252.39	-36.50	7033.90	152.88	46.28	PASS
625.00†	623.44	29.74	10.29	14314.45	7151.81	2359.73	-249.68	-41.76	6936.57	153.73	45.39	PASS
725.00†	722.07	45.33	15.69	14317.77	7151.86	2359.96	-246.36	-48.31	6838.74	154.50	44.52	PASS
825.00†	820.05	64.17	22.20	14536.68	7155.01	2365.66	-27.64	-47.36	6740.25	159.08	42.61	PASS
882.76	876.31	76.52	26.48	14542.98	7155.10	2365.55	-21.35	-52.70	6683.20	159.50	42.14	PASS
925.00†	917.36	85.95	29.74	14547.74	7155.17	2365.46	-16.58	-52.48	6641.43	159.79	41.80	PASS
1025.00†	1014.53	108.26	37.46	14558.99	7155.33	2365.23	-5.33	-51.95	6542.57	160.50	40.99	PASS
1125.00†	1111.71	130.57	45.18	14570.20	7155.50	2364.98	5.87	-51.41	6443.72	161.23	40.19	PASS
1225.00†	1208.88	152.88	52.90	14581.37	7155.67	2364.71	17.03	-50.88	6344.90	161.98	39.39	PASS
1325.00†	1306.05	175.19	60.62	14591.25	7155.82	2364.45	26.91	-50.39	6246.10	162.72	38.60	PASS
1425.00†	1403.23	197.50	68.34	14598.41	7155.93	2364.27	34.07	-50.04	6147.33	163.45	37.82	PASS
1525.00†	1500.40	219.81	76.06	14605.57	7156.04	2364.10	41.23	-49.68	6048.59	164.20	37.04	PASS
1625.00†	1597.57	242.12	83.78	14612.74	7156.15	2363.95	48.39	-49.32	5949.88	164.97	36.26	PASS
1725.00†	1694.75	264.43	91.50	14619.91	7156.25	2363.80	55.56	-48.96	5851.21	165.77	35.49	PASS
1825.00†	1791.92	286.74	99.21	14627.09	7156.35	2363.67	62.74	-48.59	5752.57	166.40	34.71	PASS
1925.00†	1889.10	309.05	106.93	14634.27	7156.45	2363.54	69.92	-48.22	5653.96	167.24	33.95	PASS
2025.00†	1986.27	331.36	114.65	14641.46	7156.54	2363.43	77.11	-47.85	5555.40	168.11	33.18	PASS
2125.00†	2083.44	353.67	122.37	14648.65	7156.63	2363.33	84.30	-47.47	5456.87	169.02	32.42	PASS
2225.00†	2180.62	375.98	130.09	14655.85	7156.72	2363.24	91.49	-47.09	5358.39	169.96	31.66	PASS
2325.00†	2277.79	398.29	137.81	14663.05	7156.81	2363.16	98.69	-46.71	5259.96	170.93	30.90	PASS
2425.00†	2374.96	420.60	145.53	14670.26	7156.90	2363.09	105.90	-46.32	5161.57	171.93	30.14	PASS
2525.00†	2472.14	442.91	153.25	14677.47	7156.98	2363.04	113.11	-45.93	5063.23	172.98	29.39	PASS
2625.00†	2569.31	465.22	160.97	14684.65	7157.06	2362.99	120.29	-45.54	4964.95	174.07	28.64	PASS
2725.00†	2666.48	487.53	168.69	14691.85	7157.14	2362.95	127.49	-45.14	4866.72	175.20	27.89	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	14699.07	7157.22	2362.92	134.70	-44.74	4768.55	176.37	27.14	PASS
2925.00†	2860.83	532.15	184.13	14706.31	7157.30	2362.90	141.94	-44.34	4670.45	177.59	26.40	PASS
3025.00†	2958.00	554.46	191.85	14713.57	7157.38	2362.89	149.21	-43.93	4572.42	178.87	25.66	PASS
3125.00†	3055.18	576.77	199.57	14720.86	7157.46	2362.88	156.49	-43.51	4474.46	180.20	24.93	PASS
3225.00†	3152.35	599.08	207.29	14728.16	7157.54	2362.88	163.80	-43.09	4376.58	181.58	24.19	PASS
3325.00†	3249.52	621.39	215.01	14735.50	7157.62	2362.88	171.13	-42.67	4278.78	183.03	23.46	PASS
3425.00†	3346.70	643.70	222.73	14742.85	7157.70	2362.90	178.48	-42.25	4181.07	184.54	22.74	PASS
3525.00†	3443.87	666.01	230.45	14750.23	7157.77	2362.92	185.86	-41.82	4083.45	186.13	22.02	PASS
3625.00†	3541.04	688.32	238.17	14757.63	7157.85	2362.95	193.26	-41.38	3985.94	187.78	21.30	PASS
3725.00†	3638.22	710.63	245.88	14765.05	7157.92	2362.99	200.68	-40.94	3888.53	189.52	20.59	PASS
3825.00†	3735.39	732.94	253.60	14772.35	7158.00	2363.03	207.98	-40.51	3791.25	191.34	19.88	PASS
3925.00†	3832.56	755.25	261.32	14779.59	7158.07	2363.09	215.22	-40.07	3694.09	193.26	19.18	PASS
4025.00†	3929.74	777.56	269.04	14786.85	7158.14	2363.15	222.49	-39.63	3597.07	195.27	18.48	PASS
4125.00†	4026.91	799.87	276.76	14794.16	7158.22	2363.22	229.79	-39.19	3500.19	197.39	17.79	PASS
4225.00†	4124.08	822.18	284.48	14801.49	7158.29	2363.30	237.12	-38.74	3403.48	199.62	17.11	PASS
4325.00†	4221.26	844.49	292.20	14808.86	7158.36	2363.38	244.49	-38.29	3306.95	201.98	16.43	PASS
4425.00†	4318.43	866.80	299.92	14816.26	7158.44	2363.48	251.89	-37.83	3210.61	204.48	15.75	PASS
4525.00†	4415.60	889.11	307.64	14823.70	7158.51	2363.58	259.33	-37.37	3114.47	207.12	15.09	PASS
4625.00†	4512.78	911.42	315.36	14831.17	7158.58	2363.69	266.80	-36.90	3018.57	209.92	14.42	PASS
4725.00†	4609.95	933.72	323.08	14838.68	7158.66	2363.82	274.30	-36.43	2922.92	212.90	13.77	PASS
4825.00†	4707.13	956.03	330.80	14846.22	7158.73	2363.95	281.84	-35.95	2827.54	216.06	13.13	PASS
4925.00†	4804.30	978.34	338.52	14853.80	7158.80	2364.09	289.42	-35.47	2732.47	219.44	12.49	PASS
5025.00†	4901.47	1000.65	346.24	14862.43	7158.88	2364.26	298.05	-34.92	2637.73	223.06	11.86	PASS
5125.00†	4998.65	1022.96	353.96	14871.80	7158.97	2364.44	307.42	-34.32	2543.37	226.95	11.24	PASS
5225.00†	5095.82	1045.27	361.68	14881.16	7159.06	2364.62	316.77	-33.71	2449.42	231.11	10.63	PASS
5325.00†	5192.99	1067.58	369.40	14890.49	7159.15	2364.80	326.11	-33.10	2355.93	235.58	10.03	PASS
5425.00†	5290.17	1089.89	377.12	14899.81	7159.24	2364.98	335.42	-32.49	2262.96	240.37	9.44	PASS
5525.00†	5387.34	1112.20	384.84	14909.12	7159.32	2365.15	344.73	-31.89	2170.58	245.53	8.86	PASS
5625.00†	5484.51	1134.51	392.56	14918.40	7159.41	2365.33	354.01	-31.27	2078.86	251.10	8.30	PASS
5725.00†	5581.69	1156.82	400.27	14927.68	7159.50	2365.50	363.28	-30.66	1987.90	257.11	7.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	14936.93	7159.58	2365.67	372.53	-30.04	1897.80	263.61	7.22	PASS
5925.00†	5776.03	1201.44	415.71	14946.17	7159.67	2365.84	381.77	-29.43	1808.70	270.65	6.70	PASS
6025.00†	5873.21	1223.75	423.43	14954.14	7159.74	2365.99	389.74	-28.89	1720.76	278.26	6.20	PASS
6125.00†	5970.38	1246.06	431.15	14962.04	7159.81	2366.14	397.64	-28.36	1634.15	286.50	5.72	PASS
6225.00†	6067.55	1268.37	438.87	14970.00	7159.89	2366.31	405.59	-27.83	1549.11	295.45	5.25	PASS
6325.00†	6164.73	1290.68	446.59	14978.02	7159.96	2366.48	413.61	-27.28	1465.92	305.15	4.81	PASS
6425.00†	6261.90	1312.99	454.31	14986.10	7160.04	2366.66	421.69	-26.74	1384.89	315.62	4.40	PASS
6525.00†	6359.07	1335.30	462.03	14994.24	7160.12	2366.84	429.83	-26.18	1306.44	326.88	4.00	PASS
6625.00†	6456.25	1357.61	469.75	15002.45	7160.21	2367.04	438.03	-25.62	1231.06	338.88	3.64	PASS
6725.00†	6553.42	1379.92	477.47	15010.72	7160.29	2367.24	446.30	-25.06	1159.34	351.50	3.30	PASS
6770.11	6597.25	1389.99	480.95	15014.47	7160.33	2367.34	450.05	-24.80	1128.37	357.35	3.16	PASS
6825.00†	6650.35	1402.17	487.54	15021.15	7160.40	2367.51	456.73	-24.39	1092.24	364.59	3.00	PASS
6925.00†	6744.88	1423.86	511.48	15043.70	7160.64	2368.14	479.26	-19.16	1032.26	377.98	2.73	PASS
7025.00†	6834.60	1444.41	550.31	15078.15	7160.99	2369.27	513.70	-81.80	981.44	390.98	2.51	PASS
7125.00†	6917.30	1463.34	603.05	15124.44	7161.39	2371.15	559.95	-88.51	941.05	402.80	2.34	PASS
7225.00†	6990.95	1480.16	668.41	15197.31	7162.19	2374.17	632.75	-91.12	910.96	413.78	2.20	PASS
7325.00†	7053.73	1494.48	744.79	15312.40	7163.80	2376.19	747.80	-90.67	888.56	424.36	2.10	PASS
7425.00†	7104.09	1505.93	830.30	15411.52	7164.97	2374.86	846.91	-90.38	871.21	432.67	2.02	PASS
7525.00†	7140.80	1514.24	922.83	15473.00	7165.80	2373.58	908.37	-90.70	859.82	439.05	1.96	PASS
7562.50†	7150.85	1516.50	958.89	15473.00	7165.80	2373.58	908.37	-91.01	858.69	440.02	1.95	PASS
7575.19†	7153.78	1517.16	971.22	15473.00	7165.80	2373.58	908.37	-91.07	858.81	440.19	1.95	PASS
7625.00†	7162.95	1519.20	1020.12	15473.00	7165.80	2373.58	908.37	-91.01	861.66	440.01	1.96	PASS
7724.04	7170.00	1520.68	1118.80	15473.00	7165.80	2373.58	908.37	-89.65	878.48	435.87	2.02	PASS
7725.00†	7170.00	1520.68	1119.76	15473.00	7165.80	2373.58	908.37	-89.65	878.71	435.81	2.02	PASS
7825.00†	7169.55	1520.44	1219.75	15473.00	7165.80	2373.58	908.37	-89.65	908.19	427.32	2.13	PASS
7925.00†	7169.10	1520.20	1319.75	15473.00	7165.80	2373.58	908.37	-89.65	947.36	415.70	2.28	PASS
8025.00†	7168.65	1519.96	1419.75	15473.00	7165.80	2373.58	908.37	-89.65	995.08	402.02	2.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	813.16	-4955.17	837.38	-4939.88
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1738.70	813.16	-4955.17	837.38	-4939.88
8.5in Open Hole	1761.00	15473.00	13712.00	1738.70	7165.80	837.38	-4939.88	1129.55	-2200.55

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: HOOD 11C-22-M AWB Offset Wellpath: HOOD 11C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	947.03	5141.13	79.56	5227.63	50.17	106.23	PASS
125.00†	125.00	0.00	0.00	100.00	125.00	947.03	5141.13	79.56	5227.63	50.20	106.16	PASS
200.00	200.00	0.00	0.00	175.00	200.00	947.03	5141.13	79.56	5227.63	50.22	106.11	PASS
225.00†	225.00	0.10	0.04	200.00	225.00	947.03	5141.13	60.48	5227.57	50.23	106.09	PASS
325.00†	324.96	2.58	0.89	299.96	324.96	947.03	5141.13	60.53	5226.29	50.27	105.98	PASS
425.00†	424.77	8.35	2.89	399.77	424.77	947.03	5141.13	60.64	5223.28	50.33	105.80	PASS
525.00†	524.30	17.40	6.02	485.62	510.62	947.06	5141.18	60.80	5218.65	50.40	105.55	PASS
625.00†	623.44	29.74	10.29	575.93	600.93	947.33	5141.52	61.01	5212.68	50.50	105.21	PASS
725.00†	722.07	45.33	15.69	659.72	684.72	947.65	5141.89	61.27	5205.14	50.62	104.80	PASS
825.00†	820.05	64.17	22.20	754.91	779.91	947.95	5142.69	61.61	5196.35	50.78	104.30	PASS
882.76	876.31	76.52	26.48	822.76	847.75	948.03	5143.10	61.87	5190.39	50.89	103.93	PASS
925.00†	917.36	85.95	29.74	861.27	886.26	948.10	5143.31	61.96	5185.84	50.97	103.68	PASS
1025.00†	1014.53	108.26	37.46	968.75	993.74	948.42	5143.86	62.21	5175.10	51.20	103.00	PASS
1125.00†	1111.71	130.57	45.18	1079.21	1104.20	948.50	5144.15	62.46	5164.16	51.46	102.25	PASS
1225.00†	1208.88	152.88	52.90	1175.31	1200.30	948.33	5144.32	62.69	5153.19	51.73	101.49	PASS
1325.00†	1306.05	175.19	60.62	1213.07	1238.05	948.21	5144.60	62.78	5142.87	51.95	100.85	PASS
1425.00†	1403.23	197.50	68.34	1248.54	1273.52	948.05	5145.31	62.87	5133.79	52.19	100.21	PASS
1525.00†	1500.40	219.81	76.06	1285.25	1310.20	947.85	5146.51	62.96	5125.98	52.44	99.57	PASS
1625.00†	1597.57	242.12	83.78	1324.33	1349.25	947.65	5148.23	63.05	5119.38	52.71	98.91	PASS
1725.00†	1694.75	264.43	91.50	1363.46	1388.32	947.46	5150.39	63.15	5113.99	53.00	98.26	PASS
1825.00†	1791.92	286.74	99.21	1400.49	1425.27	947.31	5152.86	63.24	5109.81	52.90	97.88	PASS
1925.00†	1889.10	309.05	106.93	1434.31	1458.98	947.13	5155.54	63.33	5106.91	52.93	97.77	PASS
2025.00†	1986.27	331.36	114.65	1468.65	1493.17	946.91	5158.70	63.42	5105.34	52.97	97.67	PASS
2125.00†	2083.44	353.67	122.37	1505.01	1529.33	946.64	5162.49	63.51	5105.04	53.02	97.57	PASS
2225.00†	2180.62	375.98	130.09	1541.32	1565.40	946.34	5166.71	63.61	5106.01	53.08	97.49	PASS
2325.00†	2277.79	398.29	137.81	1578.08	1601.85	945.99	5171.42	63.71	5108.24	53.14	97.41	PASS
2425.00†	2374.96	420.60	145.53	1615.04	1638.44	945.56	5176.60	63.81	5111.72	53.22	97.33	PASS
2525.00†	2472.14	442.91	153.25	1651.97	1674.94	945.04	5182.22	63.91	5116.46	53.30	97.27	PASS
2625.00†	2569.31	465.22	160.97	1690.08	1712.53	944.41	5188.46	64.01	5122.44	53.40	97.21	PASS
2725.00†	2666.48	487.53	168.69	1728.06	1749.92	943.70	5195.12	64.12	5129.64	53.50	97.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	1761.08	1782.34	943.03	5201.28	64.21	5138.09	53.59	97.15	PASS
2925.00†	2860.83	532.15	184.13	1790.09	1810.77	942.45	5207.08	64.29	5147.91	53.68	97.18	PASS
3025.00†	2958.00	554.46	191.85	1819.02	1839.03	941.89	5213.23	64.37	5159.11	53.76	97.23	PASS
3125.00†	3055.18	576.77	199.57	1849.21	1868.44	941.33	5220.03	64.46	5171.68	53.86	97.28	PASS
3225.00†	3152.35	599.08	207.29	1882.34	1900.62	940.69	5227.89	64.55	5185.55	53.98	97.33	PASS
3325.00†	3249.52	621.39	215.01	1915.31	1932.54	940.00	5236.10	64.65	5200.71	54.10	97.39	PASS
3425.00†	3346.70	643.70	222.73	1948.66	1964.72	939.25	5244.80	64.74	5217.13	54.23	97.46	PASS
3525.00†	3443.87	666.01	230.45	1982.47	1997.25	938.44	5254.00	64.84	5234.79	54.37	97.53	PASS
3625.00†	3541.04	688.32	238.17	2016.09	2029.48	937.58	5263.53	64.94	5253.69	54.52	97.62	PASS
3725.00†	3638.22	710.63	245.88	2053.14	2064.87	936.61	5274.45	65.05	5273.80	54.68	97.69	PASS
3825.00†	3735.39	732.94	253.60	2091.79	2101.67	935.71	5286.22	65.16	5295.03	54.87	97.76	PASS
3925.00†	3832.56	755.25	261.32	2129.94	2137.88	934.93	5298.21	65.27	5317.38	55.05	97.83	PASS
4025.00†	3929.74	777.56	269.04	2166.77	2172.70	934.01	5310.17	65.37	5340.84	55.24	97.93	PASS
4125.00†	4026.91	799.87	276.76	2203.25	2207.06	932.82	5322.38	65.48	5365.43	55.43	98.04	PASS
4225.00†	4124.08	822.18	284.48	2264.35	2264.39	930.54	5343.39	65.67	5390.99	55.77	97.90	PASS
4325.00†	4221.26	844.49	292.20	2337.35	2332.79	927.99	5368.74	65.88	5417.05	56.18	97.64	PASS
4425.00†	4318.43	866.80	299.92	2412.70	2403.32	925.58	5395.16	66.10	5443.58	56.61	97.36	PASS
4525.00†	4415.60	889.11	307.64	2511.93	2496.18	922.32	5429.99	66.39	5470.26	57.21	96.80	PASS
4625.00†	4512.78	911.42	315.36	2582.23	2561.92	920.01	5454.79	66.59	5497.25	57.65	96.53	PASS
4725.00†	4609.95	933.72	323.08	2706.14	2677.87	916.07	5498.30	66.94	5524.14	58.43	95.68	PASS
4825.00†	4707.13	956.03	330.80	2759.66	2727.93	914.48	5517.18	67.09	5551.35	58.80	95.54	PASS
4925.00†	4804.30	978.34	338.52	2811.50	2776.28	913.09	5535.82	67.23	5579.35	59.17	95.42	PASS
5025.00†	4901.47	1000.65	346.24	2862.06	2823.30	911.81	5554.36	67.37	5608.14	59.54	95.31	PASS
5125.00†	4998.65	1022.96	353.96	3096.83	3042.31	906.82	5638.75	67.99	5636.47	61.11	93.30	PASS
5225.00†	5095.82	1045.27	361.68	3236.00	3172.97	903.18	5686.53	68.36	5663.18	62.09	92.25	PASS
5325.00†	5192.99	1067.58	369.40	3349.93	3280.19	899.60	5724.89	68.66	5689.32	62.92	91.44	PASS
5425.00†	5290.17	1089.89	377.12	3468.27	3391.72	895.42	5764.21	68.97	5715.13	63.80	90.58	PASS
5525.00†	5387.34	1112.20	384.84	3556.86	3475.22	891.86	5793.62	69.21	5741.05	64.49	89.99	PASS
5625.00†	5484.51	1134.51	392.56	3668.84	3580.89	887.37	5830.41	69.51	5766.72	65.36	89.19	PASS
5725.00†	5581.69	1156.82	400.27	3733.38	3641.76	885.24	5851.76	69.68	5792.73	65.92	88.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	3774.25	3680.20	883.98	5865.57	69.78	5819.53	66.32	88.68	PASS
5925.00†	5776.03	1201.44	415.71	3814.88	3718.29	882.67	5879.65	69.89	5847.26	66.73	88.55	PASS
6025.00†	5873.21	1223.75	423.43	3855.29	3756.05	881.32	5893.98	69.99	5875.92	67.14	88.44	PASS
6125.00†	5970.38	1246.06	431.15	3895.45	3793.44	879.94	5908.56	70.09	5905.51	67.54	88.35	PASS
6225.00†	6067.55	1268.37	438.87	3942.93	3837.50	878.26	5926.18	70.21	5935.98	68.01	88.19	PASS
6325.00†	6164.73	1290.68	446.59	3998.20	3888.65	876.34	5947.02	70.35	5967.15	68.53	87.97	PASS
6425.00†	6261.90	1312.99	454.31	4075.10	3959.68	873.70	5976.35	70.54	5998.85	69.23	87.53	PASS
6525.00†	6359.07	1335.30	462.03	4298.27	4166.92	867.19	6058.91	71.07	6029.07	71.04	85.71	PASS
6625.00†	6456.25	1357.61	469.75	6627.75	6427.42	827.03	6497.23	76.26	6050.86	83.80	72.81	PASS
6725.00†	6553.42	1379.92	477.47	6720.35	6520.02	827.47	6497.75	76.46	6045.66	84.60	72.05	PASS
6770.11	6597.25	1389.99	480.95	6761.00	6560.67	827.70	6498.00	76.55	6043.38	84.96	71.72	PASS
6825.00†	6650.35	1402.17	487.54	6807.23	6606.90	827.92	6498.33	59.92	6038.31	85.42	71.27	PASS
6925.00†	6744.88	1423.86	511.48	6902.08	6701.75	828.16	6499.08	41.72	6017.31	86.62	70.03	PASS
7025.00†	6834.60	1444.41	550.31	6988.83	6788.49	828.28	6499.71	32.75	5981.40	88.24	68.32	PASS
7125.00†	6917.30	1463.34	603.05	7072.70	6872.36	828.39	6500.40	28.23	5931.61	89.70	66.65	PASS
7225.00†	6990.95	1480.16	668.41	7151.89	6951.55	828.74	6500.98	26.21	5868.97	90.99	65.00	PASS
7325.00†	7053.73	1494.48	744.79	7210.19	7009.85	828.97	6501.43	25.98	5795.15	92.06	63.43	PASS
7425.00†	7104.09	1505.93	830.30	7259.32	7058.97	829.17	6501.84	27.71	5711.95	92.94	61.92	PASS
7525.00†	7140.80	1514.24	922.83	7295.83	7095.48	829.39	6502.16	32.64	5621.38	93.61	60.50	PASS
7625.00†	7162.95	1519.20	1020.12	7318.33	7117.98	829.56	6502.36	45.81	5525.63	94.07	59.18	PASS
7724.04	7170.00	1520.68	1118.80	7327.45	7127.10	829.63	6502.45	88.42	5427.99	94.35	57.96	PASS
7725.00†	7170.00	1520.68	1119.76	7327.45	7127.10	829.63	6502.45	88.42	5427.04	94.35	57.95	PASS
7825.00†	7169.55	1520.44	1219.75	7327.96	7127.61	829.64	6502.45	88.46	5327.84	94.54	56.77	PASS
7925.00†	7169.10	1520.20	1319.75	7328.47	7128.12	829.64	6502.45	88.51	5228.67	94.75	55.59	PASS
8025.00†	7168.65	1519.96	1419.75	7328.98	7128.63	829.65	6502.46	88.55	5129.53	94.98	54.41	PASS
8125.00†	7168.20	1519.73	1519.75	7329.48	7129.13	829.65	6502.46	88.59	5030.42	95.22	53.22	PASS
8225.00†	7167.75	1519.49	1619.75	7329.98	7129.63	829.65	6502.47	88.63	4931.36	95.49	52.02	PASS
8325.00†	7167.30	1519.25	1719.75	7330.48	7130.13	829.66	6502.47	88.68	4832.33	95.78	50.82	PASS
8425.00†	7166.85	1519.01	1819.75	7330.98	7130.63	829.66	6502.48	88.72	4733.34	96.09	49.62	PASS
8525.00†	7166.40	1518.77	1919.75	7331.47	7131.12	829.67	6502.48	88.76	4634.39	96.43	48.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8625.00†	7165.95	1518.53	2019.74	7331.96	7131.61	829.67	6502.49	88.80	4535.49	96.79	47.20	PASS
8725.00†	7165.51	1518.30	2119.74	7332.45	7132.10	829.67	6502.49	88.84	4436.64	97.19	45.98	PASS
8825.00†	7165.06	1518.06	2219.74	7332.93	7132.58	829.68	6502.49	88.88	4337.84	97.62	44.75	PASS
8925.00†	7164.61	1517.82	2319.74	7333.42	7133.07	829.68	6502.50	88.92	4239.10	98.09	43.53	PASS
9025.00†	7164.16	1517.58	2419.74	7333.90	7133.55	829.69	6502.50	88.96	4140.42	98.59	42.29	PASS
9125.00†	7163.71	1517.34	2519.74	7334.37	7134.02	829.69	6502.51	89.00	4041.81	99.14	41.05	PASS
9225.00†	7163.26	1517.10	2619.74	7334.85	7134.50	829.69	6502.51	89.04	3943.26	99.74	39.81	PASS
9325.00†	7162.81	1516.87	2719.73	7335.32	7134.97	829.70	6502.52	89.08	3844.79	100.38	38.57	PASS
9425.00†	7162.36	1516.63	2819.73	7335.79	7135.44	829.70	6502.52	89.12	3746.40	101.09	37.32	PASS
9525.00†	7161.91	1516.39	2919.73	7336.26	7135.91	829.70	6502.52	89.16	3648.10	101.85	36.06	PASS
9625.00†	7161.46	1516.15	3019.73	7336.72	7136.37	829.71	6502.53	89.20	3549.89	102.68	34.80	PASS
9725.00†	7161.01	1515.91	3119.73	7337.19	7136.84	829.71	6502.53	89.24	3451.78	103.59	33.54	PASS
9825.00†	7160.57	1515.67	3219.73	7337.65	7137.30	829.72	6502.54	89.28	3353.79	104.57	32.28	PASS
9925.00†	7160.12	1515.44	3319.73	7338.11	7137.75	829.72	6502.54	89.32	3255.92	105.65	31.02	PASS
10025.00†	7159.67	1515.20	3419.73	7338.56	7138.21	829.72	6502.54	89.36	3158.18	106.82	29.75	PASS
10125.00†	7159.22	1514.96	3519.72	7339.02	7138.66	829.73	6502.55	89.40	3060.59	108.11	28.49	PASS
10225.00†	7158.77	1514.72	3619.72	7339.47	7139.12	829.73	6502.55	89.43	2963.16	109.51	27.23	PASS
10325.00†	7158.32	1514.48	3719.72	7339.92	7139.56	829.73	6502.56	89.47	2865.90	111.05	25.97	PASS
10425.00†	7157.87	1514.24	3819.72	7340.36	7140.01	829.74	6502.56	89.51	2768.84	112.73	24.71	PASS
10525.00†	7157.42	1514.01	3919.72	7340.81	7140.46	829.74	6502.56	89.55	2672.00	114.58	23.46	PASS
10625.00†	7156.97	1513.77	4019.72	7341.25	7140.90	829.74	6502.57	89.58	2575.40	116.61	22.21	PASS
10725.00†	7156.52	1513.53	4119.72	7341.69	7141.34	829.75	6502.57	89.62	2479.07	118.85	20.98	PASS
10825.00†	7156.08	1513.29	4219.72	7342.13	7141.78	829.75	6502.57	89.66	2383.04	121.32	19.75	PASS
10925.00†	7155.63	1513.05	4319.71	7342.56	7142.21	829.75	6502.58	89.70	2287.35	124.04	18.54	PASS
11025.00†	7155.18	1512.81	4419.71	7343.00	7142.64	829.76	6502.58	89.73	2192.05	127.06	17.34	PASS
11125.00†	7154.73	1512.58	4519.71	7343.43	7143.08	829.76	6502.59	89.77	2097.18	130.41	16.16	PASS
11225.00†	7154.28	1512.34	4619.71	7343.86	7143.50	829.76	6502.59	89.81	2002.81	134.12	15.01	PASS
11325.00†	7153.83	1512.10	4719.71	7344.28	7143.93	829.77	6502.59	89.84	1909.02	138.26	13.87	PASS
11425.00†	7153.38	1511.86	4819.71	7344.71	7144.36	829.77	6502.60	89.88	1815.89	142.88	12.77	PASS
11525.00†	7152.93	1511.62	4919.71	7345.13	7144.78	829.77	6502.60	89.91	1723.52	148.05	11.69	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11625.00†	7152.48	1511.38	5019.71	7345.55	7145.20	829.78	6502.60	89.95	1632.06	153.85	10.65	PASS
11725.00†	7152.03	1511.15	5119.70	7345.97	7145.62	829.78	6502.61	89.98	1541.66	160.37	9.65	PASS
11825.00†	7151.58	1510.91	5219.70	7346.39	7146.04	829.78	6502.61	90.02	1452.52	167.71	8.69	PASS
11925.00†	7151.14	1510.67	5319.70	7346.80	7146.45	829.79	6502.61	90.05	1364.88	176.01	7.78	PASS
12025.00†	7150.69	1510.43	5419.70	7347.21	7146.86	829.79	6502.62	90.09	1279.06	185.38	6.92	PASS
12125.00†	7150.24	1510.19	5519.70	7347.63	7147.27	829.79	6502.62	90.12	1195.44	195.99	6.12	PASS
12225.00†	7149.79	1509.95	5619.70	7348.03	7147.68	829.80	6502.63	90.16	1114.53	207.96	5.37	PASS
12325.00†	7149.34	1509.72	5719.70	7348.44	7148.09	829.80	6502.63	90.19	1036.95	221.43	4.69	PASS
12425.00†	7148.89	1509.48	5819.69	7348.85	7148.49	829.80	6502.63	90.23	963.51	236.46	4.08	PASS
12525.00†	7148.44	1509.24	5919.69	7349.25	7148.90	829.81	6502.64	90.26	895.24	252.97	3.55	PASS
12625.00†	7147.99	1509.00	6019.69	7349.65	7149.30	829.81	6502.64	90.29	833.39	270.69	3.08	PASS
12725.00†	7147.54	1508.76	6119.69	7350.05	7149.70	829.81	6502.64	90.33	779.50	288.95	2.70	PASS
12825.00†	7147.09	1508.52	6219.69	7350.45	7150.09	829.82	6502.65	90.36	735.33	306.62	2.40	PASS
12925.00†	7146.65	1508.28	6319.69	7350.84	7150.49	829.82	6502.65	90.40	702.71	322.09	2.18	PASS
13025.00†	7146.20	1508.05	6419.69	7351.23	7150.88	829.82	6502.65	90.43	683.30	333.48	2.05	PASS
13109.10†	7145.82	1507.85	6503.79	7350.92	7150.57	829.82	6502.65	90.40	678.04	338.74	2.00	PASS
13125.00†	7145.75	1507.81	6519.69	7351.63	7151.27	829.83	6502.66	90.46	678.22	339.25	2.00	PASS
13135.93†	7145.70	1507.78	6530.62	7351.67	7151.32	829.83	6502.66	90.47	678.56	339.50	2.00	PASS
13225.00†	7145.30	1507.57	6619.68	7352.01	7151.66	829.83	6502.66	90.49	687.80	338.74	2.03	PASS
13325.00†	7144.85	1507.33	6719.68	7352.40	7152.05	829.83	6502.66	90.53	711.45	332.48	2.14	PASS
13425.00†	7144.40	1507.09	6819.68	7352.79	7152.44	829.84	6502.67	90.56	747.82	321.87	2.33	PASS
13525.00†	7143.95	1506.85	6919.68	7353.17	7152.82	829.84	6502.67	90.59	795.19	308.63	2.58	PASS
13625.00†	7143.50	1506.62	7019.68	7353.55	7153.20	829.84	6502.67	90.62	851.71	294.26	2.90	PASS
13725.00†	7143.05	1506.38	7119.68	7353.94	7153.58	829.84	6502.68	90.66	915.70	279.87	3.28	PASS
13825.00†	7142.60	1506.14	7219.68	7354.31	7153.96	829.85	6502.68	90.69	985.69	266.10	3.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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
0.00	7519.00	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN MWD SURVEYS PROVIDED BY SRC <444'-7519'>
			Wellbore 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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-104.90	-90.00	104.90	1.56	173.23	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-104.90	-90.00	104.90	1.88	113.39	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-104.90	-90.00	104.90	2.30	77.87	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	0.00	-104.90	-109.14	104.94	2.44	70.46	PASS
325.00†	324.96	2.58	0.89	325.17	325.17	0.11	-104.88	-110.41	105.80	3.08	49.48	PASS
425.00†	424.77	8.35	2.89	426.03	425.98	2.71	-104.33	-112.08	107.37	3.88	36.46	PASS
525.00†	524.30	17.40	6.02	527.00	526.76	8.80	-103.05	-113.60	109.44	4.76	28.54	PASS
625.00†	623.44	29.74	10.29	628.08	627.36	18.36	-101.03	-114.95	111.97	5.71	23.39	PASS
725.00†	722.07	45.33	15.69	729.28	727.67	31.41	-98.28	-116.13	114.95	6.75	19.71	PASS
825.00†	820.05	64.17	22.20	830.58	827.55	47.94	-94.80	-117.14	118.36	7.90	16.93	PASS
882.76	876.31	76.52	26.48	889.13	884.99	59.07	-92.46	-117.64	120.52	8.63	15.60	PASS
925.00†	917.36	85.95	29.74	931.99	926.88	67.94	-90.59	-117.87	122.04	9.13	14.82	PASS
1025.00†	1014.53	108.26	37.46	1033.49	1025.50	91.38	-85.65	-117.30	124.74	10.40	13.12	PASS
1125.00†	1111.71	130.57	45.18	1134.85	1123.08	118.19	-80.00	-115.23	126.30	11.81	11.56	PASS
1225.00†	1208.88	152.88	52.90	1235.82	1219.26	148.24	-73.67	-111.67	127.07	13.37	10.17	PASS
1325.00†	1306.05	175.19	60.62	1336.14	1313.70	181.36	-66.69	-106.65	127.68	15.06	8.99	PASS
1425.00†	1403.23	197.50	68.34	1435.59	1406.09	217.37	-59.10	-100.24	129.01	17.05	7.96	PASS
1525.00†	1500.40	219.81	76.06	1533.95	1496.14	256.04	-50.95	-92.64	132.14	19.07	7.24	PASS
1625.00†	1597.57	242.12	83.78	1630.99	1583.62	297.14	-42.29	-84.27	138.26	21.01	6.85	PASS
1725.00†	1694.75	264.43	91.50	1728.18	1670.38	340.01	-33.26	-76.01	147.88	22.71	6.76	PASS
1825.00†	1791.92	286.74	99.21	1825.48	1757.22	382.94	-24.21	-68.84	160.29	22.94	7.18	PASS
1925.00†	1889.10	309.05	106.93	1922.77	1844.07	425.87	-15.16	-62.75	174.88	22.47	8.00	PASS
2025.00†	1986.27	331.36	114.65	2020.07	1930.91	468.80	-6.12	-57.61	191.16	22.11	8.90	PASS
2125.00†	2083.44	353.67	122.37	2117.36	2017.75	511.73	2.93	-53.29	208.72	21.89	9.82	PASS
2225.00†	2180.62	375.98	130.09	2214.66	2104.59	554.66	11.97	-49.64	227.28	21.80	10.74	PASS
2325.00†	2277.79	398.29	137.81	2311.96	2191.44	597.58	21.02	-46.55	246.61	21.85	11.63	PASS
2425.00†	2374.96	420.60	145.53	2409.25	2278.28	640.51	30.06	-43.91	266.54	22.03	12.47	PASS
2525.00†	2472.14	442.91	153.25	2506.55	2365.12	683.44	39.11	-41.63	286.94	22.33	13.24	PASS
2625.00†	2569.31	465.22	160.97	2603.84	2451.97	726.37	48.16	-39.65	307.73	22.73	13.94	PASS
2725.00†	2666.48	487.53	168.69	2701.14	2538.81	769.30	57.20	-37.92	328.82	23.23	14.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2798.43	2625.65	812.23	66.25	-36.41	350.17	23.81	15.13	PASS
2925.00†	2860.83	532.15	184.13	2895.73	2712.50	855.15	75.29	-35.06	371.73	24.46	15.62	PASS
3025.00†	2958.00	554.46	191.85	2993.02	2799.34	898.08	84.34	-33.86	393.46	25.17	16.05	PASS
3125.00†	3055.18	576.77	199.57	3090.32	2886.18	941.01	93.38	-32.79	415.34	25.94	16.43	PASS
3225.00†	3152.35	599.08	207.29	3187.62	2973.03	983.94	102.43	-31.83	437.34	26.76	16.76	PASS
3325.00†	3249.52	621.39	215.01	3284.91	3059.87	1026.87	111.48	-30.95	459.46	27.63	17.04	PASS
3425.00†	3346.70	643.70	222.73	3382.21	3146.71	1069.80	120.52	-30.16	481.66	28.53	17.29	PASS
3525.00†	3443.87	666.01	230.45	3479.50	3233.56	1112.72	129.57	-29.43	503.95	29.46	17.50	PASS
3625.00†	3541.04	688.32	238.17	3576.80	3320.40	1155.65	138.61	-28.77	526.30	30.43	17.68	PASS
3725.00†	3638.22	710.63	245.88	3674.09	3407.24	1198.58	147.66	-28.16	548.72	31.42	17.84	PASS
3825.00†	3735.39	732.94	253.60	3771.39	3494.09	1241.51	156.71	-27.60	571.19	32.43	17.98	PASS
3925.00†	3832.56	755.25	261.32	3868.68	3580.93	1284.44	165.75	-27.08	593.71	33.47	18.10	PASS
4025.00†	3929.74	777.56	269.04	3965.98	3667.77	1327.36	174.80	-26.60	616.28	34.52	18.20	PASS
4125.00†	4026.91	799.87	276.76	4063.27	3754.62	1370.29	183.84	-26.16	638.88	35.59	18.29	PASS
4225.00†	4124.08	822.18	284.48	4160.57	3841.46	1413.22	192.89	-25.74	661.51	36.68	18.37	PASS
4325.00†	4221.26	844.49	292.20	4257.87	3928.30	1456.15	201.93	-25.35	684.18	37.78	18.44	PASS
4425.00†	4318.43	866.80	299.92	4355.16	4015.15	1499.08	210.98	-24.99	706.88	38.89	18.50	PASS
4525.00†	4415.60	889.11	307.64	4452.46	4101.99	1542.01	220.03	-24.65	729.60	40.01	18.55	PASS
4625.00†	4512.78	911.42	315.36	4549.75	4188.83	1584.93	229.07	-24.33	752.34	41.14	18.59	PASS
4725.00†	4609.95	933.72	323.08	4647.05	4275.68	1627.86	238.12	-24.02	775.10	42.29	18.63	PASS
4825.00†	4707.13	956.03	330.80	4744.34	4362.52	1670.79	247.16	-23.74	797.89	43.44	18.66	PASS
4925.00†	4804.30	978.34	338.52	4841.64	4449.36	1713.72	256.21	-23.47	820.69	44.59	18.68	PASS
5025.00†	4901.47	1000.65	346.24	4938.93	4536.21	1756.65	265.25	-23.22	843.51	45.76	18.71	PASS
5125.00†	4998.65	1022.96	353.96	5036.23	4623.05	1799.58	274.30	-22.98	866.34	46.93	18.73	PASS
5225.00†	5095.82	1045.27	361.68	5133.52	4709.89	1842.50	283.35	-22.75	889.18	48.11	18.75	PASS
5325.00†	5192.99	1067.58	369.40	5230.82	4796.74	1885.43	292.39	-22.53	912.04	49.29	18.76	PASS
5425.00†	5290.17	1089.89	377.12	5328.12	4883.58	1928.36	301.44	-22.32	934.91	50.47	18.77	PASS
5525.00†	5387.34	1112.20	384.84	5425.41	4970.42	1971.29	310.48	-22.13	957.80	51.67	18.78	PASS
5625.00†	5484.51	1134.51	392.56	5522.71	5057.27	2014.22	319.53	-21.94	980.69	52.86	18.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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	-63.95	106.57	-41.49
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1689.85	0.00	-63.95	106.57	-41.49
8.5in Open Hole	1750.00	15618.37	13868.37	1689.85	7127.00	106.57	-41.49	927.65	2553.64

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	165.94	185.53	1.56	307.61	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-179.97	45.08	165.94	185.53	1.89	200.29	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-179.97	45.08	165.94	185.53	2.30	138.06	PASS
225.00†	225.00	0.10	0.04	225.34	225.34	-179.98	44.97	146.90	185.60	2.44	124.79	PASS
325.00†	324.96	2.58	0.89	326.53	326.49	-180.07	42.29	148.13	187.29	3.32	79.15	PASS
425.00†	424.77	8.35	2.89	427.09	426.86	-180.30	36.09	150.88	191.56	4.57	52.82	PASS
525.00†	524.30	17.40	6.02	526.52	525.82	-180.65	26.50	154.89	199.12	5.67	42.08	PASS
625.00†	623.44	29.74	10.29	624.35	622.80	-181.12	13.73	159.77	210.89	6.78	36.06	PASS
725.00†	722.07	45.33	15.69	720.99	718.37	-181.65	-0.63	164.74	227.60	7.91	32.63	PASS
825.00†	820.05	64.17	22.20	816.82	813.13	-182.17	-14.86	169.16	249.21	9.00	30.88	PASS
882.76	876.31	76.52	26.48	871.75	867.45	-182.47	-23.02	171.43	263.83	9.57	30.55	PASS
925.00†	917.36	85.95	29.74	911.81	907.06	-182.69	-28.97	172.98	275.17	9.90	30.68	PASS
1025.00†	1014.53	108.26	37.46	1006.63	1000.83	-183.20	-43.06	176.21	302.69	10.64	31.19	PASS
1125.00†	1111.71	130.57	45.18	1101.46	1094.61	-183.72	-57.15	178.90	330.97	11.37	31.71	PASS
1225.00†	1208.88	152.88	52.90	1196.28	1188.38	-184.23	-71.24	178.82	359.82	12.10	32.21	PASS
1325.00†	1306.05	175.19	60.62	1291.11	1282.15	-184.75	-85.32	176.88	389.13	12.86	32.64	PASS
1425.00†	1403.23	197.50	68.34	1385.93	1375.92	-185.27	-99.41	175.21	418.80	13.61	33.03	PASS
1525.00†	1500.40	219.81	76.06	1480.76	1469.69	-185.78	-113.50	173.76	448.75	14.38	33.37	PASS
1625.00†	1597.57	242.12	83.78	1575.58	1563.47	-186.30	-127.58	172.49	478.93	15.16	33.66	PASS
1725.00†	1694.75	264.43	91.50	1670.41	1657.24	-186.81	-141.67	171.37	509.31	15.96	33.91	PASS
1825.00†	1791.92	286.74	99.21	1765.24	1751.01	-187.33	-155.76	170.37	539.84	16.27	34.64	PASS
1925.00†	1889.10	309.05	106.93	1860.06	1844.78	-187.85	-169.84	169.48	570.50	16.48	36.12	PASS
2025.00†	1986.27	331.36	114.65	1954.89	1938.55	-188.36	-183.93	168.69	601.28	16.62	37.73	PASS
2125.00†	2083.44	353.67	122.37	2049.71	2032.32	-188.88	-198.02	167.96	632.15	16.84	39.15	PASS
2225.00†	2180.62	375.98	130.09	2144.54	2126.10	-189.39	-212.11	167.31	663.11	17.12	40.36	PASS
2325.00†	2277.79	398.29	137.81	2239.36	2219.87	-189.91	-226.19	166.71	694.14	17.47	41.37	PASS
2425.00†	2374.96	420.60	145.53	2334.19	2313.64	-190.43	-240.28	166.17	725.23	17.88	42.19	PASS
2525.00†	2472.14	442.91	153.25	2429.01	2407.41	-190.94	-254.37	165.67	756.38	18.35	42.83	PASS
2625.00†	2569.31	465.22	160.97	2523.84	2501.18	-191.46	-268.45	165.20	787.57	18.87	43.32	PASS
2725.00†	2666.48	487.53	168.69	2618.67	2594.96	-191.97	-282.54	164.78	818.81	19.45	43.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2713.49	2688.73	-192.49	-296.63	-164.38	850.08	20.06	43.89	PASS
2925.00†	2860.83	532.15	184.13	2808.32	2782.50	-193.01	-310.71	-164.01	881.39	20.72	44.01	PASS
3025.00†	2958.00	554.46	191.85	2903.14	2876.27	-193.52	-324.80	-163.67	912.73	21.41	44.05	PASS
3125.00†	3055.18	576.77	199.57	2997.97	2970.04	-194.04	-338.89	-163.35	944.10	22.14	44.03	PASS
3225.00†	3152.35	599.08	207.29	3092.79	3063.82	-194.56	-352.98	-163.05	975.49	22.89	43.94	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	27.48	-111.93	-33.05
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.94	-109.71	27.48	-111.93	-33.05
8.5in Open Hole	1750.00	16646.36	14896.36	1735.94	N/A	-111.93	-33.05	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	43.22	14.22	4011.21	-1987.27	-26.36	4476.51	50.33	90.96	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	-1211.33	2435.48	-1216.25

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	6990.87	89.23	6991.50	25.57	284.15	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	271.31	68.60	291.41	25.57	11.81	PASS
125.00†	125.00	0.00	0.00	99.00	125.00	106.34	271.31	68.60	291.41	50.37	5.88	PASS
200.00	200.00	0.00	0.00	174.00	200.00	106.34	271.31	68.60	291.41	51.07	5.80	PASS
225.00†	225.00	0.10	0.04	199.00	225.00	106.34	271.31	49.53	291.34	51.31	5.77	PASS
325.00†	324.96	2.58	0.89	298.96	324.96	106.34	271.31	49.95	289.65	52.97	5.55	PASS
425.00†	424.77	8.35	2.89	398.77	424.77	106.34	271.31	50.94	285.75	55.24	5.25	PASS
525.00†	524.30	17.40	6.02	498.30	524.30	106.34	271.31	52.56	279.80	57.99	4.89	PASS
625.00†	623.44	29.74	10.29	597.44	623.44	106.34	271.31	54.86	272.03	61.08	4.51	PASS
725.00†	722.07	45.33	15.69	696.07	722.07	106.34	271.31	57.93	262.81	64.44	4.12	PASS
825.00†	820.05	64.17	22.20	794.05	820.05	106.34	271.31	61.88	252.65	68.00	3.75	PASS
882.76	876.31	76.52	26.48	850.31	876.31	106.34	271.31	64.61	246.64	70.13	3.55	PASS
925.00†	917.36	85.95	29.74	891.36	917.36	106.34	271.31	66.69	242.43	71.70	3.41	PASS
1025.00†	1014.53	108.26	37.46	988.53	1014.53	106.34	271.31	71.88	233.86	75.55	3.12	PASS
1125.00†	1111.71	130.57	45.18	1085.71	1111.71	106.34	271.31	77.38	227.43	79.53	2.88	PASS
1225.00†	1208.88	152.88	52.90	1182.88	1208.88	106.34	271.31	83.14	223.32	83.62	2.69	PASS
1325.00†	1306.05	175.19	60.62	1280.05	1306.05	106.34	271.31	89.04	221.66	87.79	2.54	PASS
1340.96†	1321.56	178.75	61.85	1295.65	1321.65	106.34	271.31	89.99	221.63	88.47	2.52	PASS
1425.00†	1403.23	197.50	68.34	1377.23	1403.23	106.34	271.31	94.96	222.51	92.04	2.43	PASS
1525.00†	1500.40	219.81	76.06	1474.40	1500.40	106.34	271.31	100.77	225.83	96.34	2.36	PASS
1625.00†	1597.57	242.12	83.78	1571.57	1597.57	106.34	271.31	106.37	231.53	100.67	2.31	PASS
1725.00†	1694.75	264.43	91.50	1668.75	1694.75	106.34	271.31	111.66	239.43	105.02	2.29	PASS
1750.00†	1719.04	270.01	93.42	1693.04	1719.04	106.34	271.31	112.93	241.72	106.07	2.29	PASS
1825.00†	1791.92	286.74	99.21	1765.92	1791.92	106.34	271.31	116.60	249.32	108.99	2.30	PASS
1925.00†	1889.10	309.05	106.93	1863.10	1889.10	106.34	271.31	121.14	260.98	113.11	2.32	PASS
2025.00†	1986.27	331.36	114.65	1960.27	1986.27	106.34	271.31	125.29	274.18	117.26	2.35	PASS
2125.00†	2083.44	353.67	122.37	2057.44	2083.44	106.34	271.31	129.05	288.71	121.44	2.39	PASS
2225.00†	2180.62	375.98	130.09	2154.62	2180.62	106.34	271.31	132.45	304.38	125.65	2.43	PASS
2325.00†	2277.79	398.29	137.81	2251.79	2277.79	106.34	271.31	135.52	321.02	129.90	2.48	PASS
2425.00†	2374.96	420.60	145.53	2348.96	2374.96	106.34	271.31	138.29	338.49	134.17	2.53	PASS
2525.00†	2472.14	442.91	153.25	2446.14	2472.14	106.34	271.31	140.78	356.67	138.47	2.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2569.31	465.22	160.97	2543.31	2569.31	106.34	271.31	143.04	375.46	142.79	2.64	PASS
2725.00†	2666.48	487.53	168.69	2640.48	2666.48	106.34	271.31	145.08	394.76	147.14	2.69	PASS
2825.00†	2763.66	509.84	176.41	2737.66	2763.66	106.34	271.31	146.93	414.51	151.51	2.74	PASS
2925.00†	2860.83	532.15	184.13	2834.83	2860.83	106.34	271.31	148.62	434.64	155.91	2.80	PASS
3025.00†	2958.00	554.46	191.85	2932.00	2958.00	106.34	271.31	150.15	455.11	160.32	2.85	PASS
3125.00†	3055.18	576.77	199.57	3029.18	3055.18	106.34	271.31	151.56	475.86	164.75	2.90	PASS
3225.00†	3152.35	599.08	207.29	3126.35	3152.35	106.34	271.31	152.85	496.88	169.20	2.94	PASS
3325.00†	3249.52	621.39	215.01	3223.52	3249.52	106.34	271.31	154.03	518.11	173.67	2.99	PASS
3425.00†	3346.70	643.70	222.73	3320.70	3346.70	106.34	271.31	155.13	539.55	178.16	3.04	PASS
3525.00†	3443.87	666.01	230.45	3417.87	3443.87	106.34	271.31	156.14	561.15	182.66	3.08	PASS
3625.00†	3541.04	688.32	238.17	3515.04	3541.04	106.34	271.31	157.07	582.92	187.17	3.12	PASS
3725.00†	3638.22	710.63	245.88	3612.22	3638.22	106.34	271.31	157.94	604.82	191.70	3.16	PASS
3825.00†	3735.39	732.94	253.60	3709.39	3735.39	106.34	271.31	158.75	626.84	196.24	3.20	PASS
3925.00†	3832.56	755.25	261.32	3806.56	3832.56	106.34	271.31	159.50	648.98	200.80	3.24	PASS
4025.00†	3929.74	777.56	269.04	3903.74	3929.74	106.34	271.31	160.20	671.22	205.36	3.28	PASS
4125.00†	4026.91	799.87	276.76	4000.91	4026.91	106.34	271.31	160.86	693.55	209.94	3.31	PASS
4225.00†	4124.08	822.18	284.48	4098.08	4124.08	106.34	271.31	161.48	715.96	214.53	3.35	PASS
4325.00†	4221.26	844.49	292.20	4195.26	4221.26	106.34	271.31	162.06	738.44	219.14	3.38	PASS
4425.00†	4318.43	866.80	299.92	4292.43	4318.43	106.34	271.31	162.60	760.99	223.75	3.41	PASS
4525.00†	4415.60	889.11	307.64	4389.60	4415.60	106.34	271.31	163.12	783.61	228.37	3.44	PASS
4625.00†	4512.78	911.42	315.36	4486.78	4512.78	106.34	271.31	163.61	806.28	233.00	3.47	PASS
4725.00†	4609.95	933.72	323.08	4583.95	4609.95	106.34	271.31	164.07	829.00	237.65	3.50	PASS
4825.00†	4707.13	956.03	330.80	4681.13	4707.13	106.34	271.31	164.50	851.77	242.30	3.52	PASS
4925.00†	4804.30	978.34	338.52	4778.30	4804.30	106.34	271.31	164.91	874.59	246.96	3.55	PASS
5025.00†	4901.47	1000.65	346.24	4875.47	4901.47	106.34	271.31	165.31	897.45	251.63	3.57	PASS
5125.00†	4998.65	1022.96	353.96	4972.65	4998.65	106.34	271.31	165.68	920.34	256.30	3.60	PASS
5225.00†	5095.82	1045.27	361.68	5069.82	5095.82	106.34	271.31	166.03	943.27	260.99	3.62	PASS
5325.00†	5192.99	1067.58	369.40	5166.99	5192.99	106.34	271.31	166.37	966.23	265.68	3.64	PASS
5425.00†	5290.17	1089.89	377.12	5264.17	5290.17	106.34	271.31	166.69	989.23	270.38	3.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-119.93	-90.00	119.93	1.56	198.27	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-119.93	-90.00	119.93	1.88	129.78	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-119.93	-90.00	119.93	2.29	89.50	PASS
225.00†	225.00	0.10	0.04	225.21	225.21	0.11	-119.91	-109.08	119.94	2.43	80.94	PASS
325.00†	324.96	2.58	0.89	326.04	326.00	2.72	-119.38	-109.02	120.28	3.09	56.12	PASS
425.00†	424.77	8.35	2.89	426.87	426.64	8.80	-118.15	-108.88	121.05	3.89	40.99	PASS
525.00†	524.30	17.40	6.02	527.69	526.98	18.35	-116.22	-108.67	122.27	4.72	32.31	PASS
625.00†	623.44	29.74	10.29	628.50	626.90	31.35	-113.59	-108.38	123.94	5.63	26.34	PASS
725.00†	722.07	45.33	15.69	729.28	726.28	47.79	-110.27	-108.02	126.05	6.68	21.88	PASS
825.00†	820.05	64.17	22.20	830.05	824.98	67.64	-106.26	-107.61	128.61	7.89	18.42	PASS
882.76	876.31	76.52	26.48	888.23	881.63	80.64	-103.63	-107.34	130.29	8.68	16.76	PASS
925.00†	917.36	85.95	29.74	930.78	922.89	90.87	-101.57	-107.03	131.51	9.26	15.73	PASS
1025.00†	1014.53	108.26	37.46	1031.38	1019.76	117.42	-96.20	-105.27	134.08	10.76	13.59	PASS
1125.00†	1111.71	130.57	45.18	1131.59	1115.26	147.17	-90.19	-102.11	136.43	12.39	11.85	PASS
1225.00†	1208.88	152.88	52.90	1231.19	1209.06	179.96	-83.57	-97.66	139.12	14.14	10.48	PASS
1325.00†	1306.05	175.19	60.62	1329.93	1300.86	215.60	-76.36	-92.08	142.91	16.07	9.40	PASS
1425.00†	1403.23	197.50	68.34	1427.60	1390.37	253.89	-68.63	-85.63	148.68	17.99	8.67	PASS
1525.00†	1500.40	219.81	76.06	1523.98	1477.35	294.58	-60.40	-78.67	157.30	19.83	8.29	PASS
1625.00†	1597.57	242.12	83.78	1618.91	1561.60	337.44	-51.74	-71.60	169.55	21.46	8.22	PASS
1725.00†	1694.75	264.43	91.50	1714.55	1645.37	382.67	-42.61	-64.86	185.48	22.85	8.43	PASS
1825.00†	1791.92	286.74	99.21	1810.91	1729.72	428.36	-33.37	-59.12	203.73	22.96	9.13	PASS
1925.00†	1889.10	309.05	106.93	1907.28	1814.06	474.05	-24.14	-54.34	223.69	22.52	10.22	PASS
2025.00†	1986.27	331.36	114.65	2003.65	1898.40	519.74	-14.91	-50.34	244.94	22.16	11.39	PASS
2125.00†	2083.44	353.67	122.37	2100.01	1982.75	565.43	-5.68	-46.98	267.17	21.95	12.54	PASS
2225.00†	2180.62	375.98	130.09	2196.38	2067.09	611.12	3.55	-44.13	290.16	21.90	13.66	PASS
2325.00†	2277.79	398.29	137.81	2292.75	2151.43	656.81	12.79	-41.70	313.74	21.98	14.72	PASS
2425.00†	2374.96	420.60	145.53	2389.11	2235.78	702.50	22.02	-39.60	337.78	22.19	15.69	PASS
2525.00†	2472.14	442.91	153.25	2485.48	2320.12	748.19	31.25	-37.79	362.20	22.51	16.58	PASS
2625.00†	2569.31	465.22	160.97	2581.85	2404.46	793.87	40.48	-36.20	386.92	22.93	17.38	PASS
2725.00†	2666.48	487.53	168.69	2678.21	2488.81	839.56	49.71	-34.80	411.89	23.45	18.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	2774.58	2573.15	885.25	58.95	-33.56	437.07	24.04	18.70	PASS
2925.00†	2860.83	532.15	184.13	2870.95	2657.49	930.94	68.18	-32.45	462.41	24.71	19.24	PASS
3025.00†	2958.00	554.46	191.85	2967.31	2741.84	976.63	77.41	-31.46	487.91	25.43	19.71	PASS
3125.00†	3055.18	576.77	199.57	3063.68	2826.18	1022.32	86.64	-30.57	513.53	26.21	20.11	PASS
3225.00†	3152.35	599.08	207.29	3160.05	2910.52	1068.01	95.87	-29.76	539.25	27.04	20.45	PASS
3325.00†	3249.52	621.39	215.01	3256.41	2994.87	1113.70	105.11	-29.03	565.06	27.91	20.74	PASS
3425.00†	3346.70	643.70	222.73	3352.78	3079.21	1159.39	114.34	-28.35	590.96	28.82	20.99	PASS
3525.00†	3443.87	666.01	230.45	3449.15	3163.55	1205.08	123.57	-27.74	616.92	29.77	21.21	PASS
3625.00†	3541.04	688.32	238.17	3545.51	3247.90	1250.76	132.80	-27.17	642.95	30.74	21.39	PASS
3725.00†	3638.22	710.63	245.88	3641.88	3332.24	1296.45	142.03	-26.65	669.03	31.74	21.54	PASS
3825.00†	3735.39	732.94	253.60	3738.25	3416.58	1342.14	151.26	-26.17	695.16	32.76	21.67	PASS
3925.00†	3832.56	755.25	261.32	3834.61	3500.93	1387.83	160.50	-25.72	721.33	33.80	21.77	PASS
4025.00†	3929.74	777.56	269.04	3930.98	3585.27	1433.52	169.73	-25.31	747.54	34.87	21.86	PASS
4125.00†	4026.91	799.87	276.76	4027.35	3669.61	1479.21	178.96	-24.92	773.78	35.94	21.94	PASS
4225.00†	4124.08	822.18	284.48	4123.71	3753.96	1524.90	188.19	-24.56	800.05	37.04	22.00	PASS
4325.00†	4221.26	844.49	292.20	4220.08	3838.30	1570.59	197.42	-24.22	826.35	38.15	22.05	PASS
4425.00†	4318.43	866.80	299.92	4316.45	3922.65	1616.28	206.66	-23.90	852.68	39.27	22.10	PASS
4525.00†	4415.60	889.11	307.64	4412.81	4006.99	1661.96	215.89	-23.60	879.03	40.40	22.13	PASS
4625.00†	4512.78	911.42	315.36	4509.18	4091.33	1707.65	225.12	-23.31	905.40	41.54	22.16	PASS
4725.00†	4609.95	933.72	323.08	4605.55	4175.68	1753.34	234.35	-23.05	931.79	42.69	22.18	PASS
4825.00†	4707.13	956.03	330.80	4701.91	4260.02	1799.03	243.58	-22.80	958.20	43.85	22.19	PASS
4925.00†	4804.30	978.34	338.52	4798.28	4344.36	1844.72	252.82	-22.56	984.63	45.02	22.21	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



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	-73.11	121.76	-48.50
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1676.40	0.00	-73.11	121.76	-48.50
8.5in Open Hole	1750.00	15550.53	13800.53	1676.40	6952.00	121.76	-48.50	994.05	2549.71

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

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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	167.30	205.03	1.56	340.10	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-200.01	45.08	167.30	205.03	1.88	221.49	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-200.01	45.08	167.30	205.03	2.31	152.03	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-200.01	45.08	148.23	205.12	2.45	137.54	PASS
325.00†	324.96	2.58	0.89	324.94	324.94	-200.03	44.97	148.62	207.35	3.30	88.19	PASS
425.00†	424.77	8.35	2.89	424.44	424.40	-200.62	42.45	150.11	212.68	4.50	59.87	PASS
525.00†	524.30	17.40	6.02	523.00	522.77	-201.96	36.63	152.80	221.50	5.55	48.07	PASS
625.00†	623.44	29.74	10.29	620.10	619.43	-204.04	27.67	156.37	234.45	6.60	41.41	PASS
725.00†	722.07	45.33	15.69	715.24	713.79	-206.78	15.81	160.47	252.25	7.69	37.34	PASS
825.00†	820.05	64.17	22.20	809.51	806.92	-210.08	1.54	164.72	275.35	8.78	35.09	PASS
882.76	876.31	76.52	26.48	863.96	860.68	-212.02	-6.86	166.98	290.89	9.35	34.57	PASS
925.00†	917.36	85.95	29.74	903.65	899.87	-213.44	-12.98	168.56	302.93	9.69	34.62	PASS
1025.00†	1014.53	108.26	37.46	997.62	992.65	-216.79	-27.47	171.86	332.20	10.42	35.01	PASS
1125.00†	1111.71	130.57	45.18	1091.58	1085.42	-220.15	-41.96	174.62	362.33	11.15	35.47	PASS
1225.00†	1208.88	152.88	52.90	1185.54	1178.20	-223.50	-56.45	176.97	393.14	11.69	36.55	PASS
1325.00†	1306.05	175.19	60.62	1279.50	1270.98	-226.85	-70.95	178.99	424.47	12.54	36.57	PASS
1425.00†	1403.23	197.50	68.34	1373.46	1363.75	-230.20	-85.44	179.28	456.22	13.33	36.81	PASS
1525.00†	1500.40	219.81	76.06	1467.42	1456.53	-233.56	-99.93	177.76	488.30	14.07	37.18	PASS
1625.00†	1597.57	242.12	83.78	1561.38	1549.30	-236.91	-114.42	176.43	520.65	14.82	37.51	PASS
1725.00†	1694.75	264.43	91.50	1655.35	1642.08	-240.26	-128.91	175.25	553.23	15.57	37.80	PASS
1825.00†	1791.92	286.74	99.21	1749.31	1734.86	-243.62	-143.41	174.21	586.00	15.95	38.52	PASS
1925.00†	1889.10	309.05	106.93	1843.27	1827.63	-246.97	-157.90	173.27	618.92	16.14	40.07	PASS
2025.00†	1986.27	331.36	114.65	1937.23	1920.41	-250.32	-172.39	172.43	651.98	16.27	41.86	PASS
2125.00†	2083.44	353.67	122.37	2031.19	2013.19	-253.67	-186.88	171.67	685.15	16.47	43.42	PASS
2225.00†	2180.62	375.98	130.09	2125.15	2105.96	-257.03	-201.37	170.98	718.43	16.75	44.75	PASS
2325.00†	2277.79	398.29	137.81	2219.11	2198.74	-260.38	-215.87	170.34	751.78	17.09	45.84	PASS
2425.00†	2374.96	420.60	145.53	2313.08	2291.52	-263.73	-230.36	169.77	785.21	17.50	46.72	PASS
2525.00†	2472.14	442.91	153.25	2407.04	2384.29	-267.08	-244.85	169.24	818.71	17.97	47.40	PASS
2625.00†	2569.31	465.22	160.97	2501.00	2477.07	-270.44	-259.34	168.75	852.27	18.49	47.90	PASS
2725.00†	2666.48	487.53	168.69	2594.96	2569.85	-273.79	-273.83	168.30	885.87	19.06	48.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	2688.92	2662.62	-277.14	-288.33	-167.88	919.52	19.67	48.45	PASS
2925.00†	2860.83	532.15	184.13	2782.88	2755.40	-280.50	-302.82	-167.49	953.22	20.33	48.55	PASS
3025.00†	2958.00	554.46	191.85	2876.84	2848.18	-283.85	-317.31	-167.12	986.94	21.02	48.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	27.48	-135.22	-30.00
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.54	-121.93	27.48	-135.22	-30.00
8.5in Open Hole	1750.00	16548.66	14798.66	1735.54	N/A	-135.22	-30.00	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14167.66	6901.50	2556.25	-154.56	-3.46	7337.88	157.91	46.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	825.38	-4955.17	861.82	-4936.82
9.625in Casing Intermediate	25.00	1763.00	1738.00	10.00	1735.40	825.38	-4955.17	861.82	-4936.82
8.5in Open Hole	1763.00	15220.00	13457.00	1735.40	6940.74	861.82	-4936.82	1198.28	-2204.51

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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



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TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.21-T06N-R66W Slot: SLOT#11 LEFFLER 8N-23C-L (2001'FNL & 275'FEL SEC.21) Well: LEFFLER 8N-23C-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	42.84	13.84	4031.25	-1987.25	-26.24	4494.47	50.33	91.32	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	-1211.33	2431.86	-1231.05

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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2892.52	5338.26	61.55	6071.55	50.20	123.30	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2923.32	47.95	3937.01	50.19	79.96	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

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)	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	69.13	5623.53	89.30	5623.96	25.57	228.56	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	168.42	224.62	1.56	372.76	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-220.05	45.08	168.42	224.62	1.89	242.63	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-220.05	45.08	168.42	224.62	2.30	167.23	PASS
225.00†	225.00	0.10	0.04	224.61	224.61	-220.09	44.98	149.38	224.73	2.44	151.38	PASS
325.00†	324.96	2.58	0.89	322.85	322.81	-221.09	42.66	150.30	227.54	3.33	95.94	PASS
425.00†	424.77	8.35	2.89	420.36	420.14	-223.40	37.30	152.35	234.33	4.64	63.55	PASS
525.00†	524.30	17.40	6.02	516.57	515.93	-226.96	29.03	155.30	245.58	5.82	50.42	PASS
625.00†	623.44	29.74	10.29	610.95	609.54	-231.68	18.05	158.84	261.90	6.99	43.28	PASS
725.00†	722.07	45.33	15.69	704.58	702.02	-237.47	4.60	162.67	283.73	8.13	39.48	PASS
825.00†	820.05	64.17	22.20	799.09	795.28	-243.53	-9.48	166.24	310.32	9.18	37.64	PASS
882.76	876.31	76.52	26.48	853.18	848.65	-247.00	-17.54	168.10	327.67	9.72	37.31	PASS
925.00†	917.36	85.95	29.74	892.59	887.54	-249.53	-23.41	169.40	340.97	10.04	37.47	PASS
1025.00†	1014.53	108.26	37.46	985.90	979.61	-255.51	-37.30	172.13	373.01	10.72	38.11	PASS
1125.00†	1111.71	130.57	45.18	1079.21	1071.69	-261.49	-51.20	174.44	405.71	11.40	38.78	PASS
1225.00†	1208.88	152.88	52.90	1172.52	1163.76	-267.47	-65.10	176.40	438.92	12.03	39.57	PASS
1325.00†	1306.05	175.19	60.62	1265.82	1255.83	-273.46	-78.99	178.10	472.54	12.77	39.93	PASS
1425.00†	1403.23	197.50	68.34	1359.13	1347.90	-279.44	-92.89	179.57	506.48	13.46	40.44	PASS
1525.00†	1500.40	219.81	76.06	1452.44	1439.98	-285.42	-106.79	179.14	540.68	14.16	40.89	PASS
1625.00†	1597.57	242.12	83.78	1545.74	1532.05	-291.40	-120.69	178.01	575.10	14.87	41.29	PASS
1725.00†	1694.75	264.43	91.50	1639.05	1624.12	-297.39	-134.58	177.00	609.70	15.58	41.64	PASS
1825.00†	1791.92	286.74	99.21	1732.36	1716.19	-303.37	-148.48	176.10	644.45	15.96	42.33	PASS
1925.00†	1889.10	309.05	106.93	1825.67	1808.27	-309.35	-162.38	175.29	679.32	16.16	43.91	PASS
2025.00†	1986.27	331.36	114.65	1918.97	1900.34	-315.33	-176.27	174.56	714.30	16.28	45.83	PASS
2125.00†	2083.44	353.67	122.37	2012.28	1992.41	-321.32	-190.17	173.89	749.38	16.47	47.50	PASS
2225.00†	2180.62	375.98	130.09	2105.59	2084.48	-327.30	-204.07	173.29	784.54	16.73	48.91	PASS
2325.00†	2277.79	398.29	137.81	2198.90	2176.56	-333.28	-217.97	172.74	819.77	17.06	50.08	PASS
2425.00†	2374.96	420.60	145.53	2292.20	2268.63	-339.26	-231.86	172.23	855.05	17.46	51.02	PASS
2525.00†	2472.14	442.91	153.25	2385.51	2360.70	-345.24	-245.76	171.76	890.40	17.91	51.73	PASS
2625.00†	2569.31	465.22	160.97	2478.82	2452.77	-351.23	-259.66	171.33	925.79	18.41	52.26	PASS
2725.00†	2666.48	487.53	168.69	2572.12	2544.85	-357.21	-273.55	170.93	961.23	18.97	52.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	2665.43	2636.92	-363.19	-287.45	-170.56	996.70	19.56	52.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	27.48	-159.88	-32.32
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.60	-134.14	27.48	-159.88	-32.32
8.5in Open Hole	1750.00	16664.32	14914.32	1733.60	7158.00	-159.88	-32.32	-275.23	2708.73

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14307.25	6985.12	2816.10	-134.98	-2.74	7509.46	165.73	45.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	837.59	-4955.35	884.78	-4933.69
9.625in Open Hole	25.00	1757.00	1732.00	10.00	1724.59	837.59	-4955.35	884.78	-4933.69
8.5in Open Hole	1757.00	15343.00	13586.00	1724.59	6989.57	884.78	-4933.69	1279.10	-2203.33

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



Clearance Report
TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	169.37	244.28	1.56	405.53	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-240.08	45.08	169.37	244.28	1.89	263.71	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-240.08	45.08	169.37	244.28	2.31	180.98	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-240.08	45.08	150.29	244.37	2.45	163.71	PASS
325.00†	324.96	2.58	0.89	324.19	324.19	-240.14	44.99	150.59	246.69	3.31	104.51	PASS
425.00†	424.77	8.35	2.89	420.67	420.63	-241.43	42.92	151.70	253.00	4.56	70.08	PASS
525.00†	524.30	17.40	6.02	516.10	515.89	-244.40	38.17	153.68	263.90	5.73	55.20	PASS
625.00†	623.44	29.74	10.29	609.93	609.32	-248.95	30.87	156.29	279.80	6.86	47.33	PASS
725.00†	722.07	45.33	15.69	701.62	700.30	-254.96	21.23	159.27	301.13	7.98	42.80	PASS
825.00†	820.05	64.17	22.20	790.70	788.31	-262.27	9.51	162.38	328.23	9.09	40.27	PASS
882.76	876.31	76.52	26.48	841.45	838.23	-267.07	1.81	164.19	346.58	9.66	39.73	PASS
925.00†	917.36	85.95	29.74	880.36	876.48	-270.87	-4.29	165.59	360.77	9.98	39.91	PASS
1025.00†	1014.53	108.26	37.46	972.48	967.01	-279.87	-18.71	168.51	395.04	10.66	40.64	PASS
1125.00†	1111.71	130.57	45.18	1064.59	1057.54	-288.87	-33.14	170.97	430.11	11.40	41.11	PASS
1225.00†	1208.88	152.88	52.90	1156.71	1148.08	-297.87	-47.56	173.07	465.79	11.71	43.25	PASS
1325.00†	1306.05	175.19	60.62	1248.82	1238.61	-306.87	-61.99	174.88	501.95	12.65	42.87	PASS
1425.00†	1403.23	197.50	68.34	1340.94	1329.14	-315.86	-76.42	176.44	538.50	13.36	43.38	PASS
1525.00†	1500.40	219.81	76.06	1433.06	1419.68	-324.86	-90.84	177.82	575.36	14.04	43.94	PASS
1625.00†	1597.57	242.12	83.78	1525.17	1510.21	-333.86	-105.27	179.02	612.47	14.72	44.45	PASS
1725.00†	1694.75	264.43	91.50	1617.29	1600.74	-342.86	-119.69	179.91	649.79	15.41	44.90	PASS
1825.00†	1791.92	286.74	99.21	1709.40	1691.28	-351.85	-134.12	178.95	687.29	15.79	45.65	PASS
1925.00†	1889.10	309.05	106.93	1801.52	1781.81	-360.85	-148.54	178.09	724.94	16.02	47.29	PASS
2025.00†	1986.27	331.36	114.65	1893.64	1872.34	-369.85	-162.97	177.32	762.72	16.18	49.25	PASS
2125.00†	2083.44	353.67	122.37	1985.75	1962.88	-378.85	-177.39	176.61	800.61	16.36	51.11	PASS
2225.00†	2180.62	375.98	130.09	2077.87	2053.41	-387.84	-191.82	175.97	838.59	16.61	52.70	PASS
2325.00†	2277.79	398.29	137.81	2169.98	2143.94	-396.84	-206.25	175.39	876.65	16.93	54.01	PASS
2425.00†	2374.96	420.60	145.53	2262.10	2234.48	-405.84	-220.67	174.85	914.79	17.31	55.06	PASS
2525.00†	2472.14	442.91	153.25	2354.21	2325.01	-414.84	-235.10	174.36	952.99	17.75	55.88	PASS
2625.00†	2569.31	465.22	160.97	2446.33	2415.54	-423.83	-249.52	173.91	991.24	18.25	56.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	27.48	-181.63	-29.08
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.18	-146.36	27.48	-181.63	-29.08
8.5in Open Hole	25.00	16514.62	16489.62	25.00	6976.00	-146.36	27.48	-347.97	2709.68

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	136.07	3019.61	87.42	3022.68	25.57	122.82	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1877.06	82.47	1893.40	25.57	76.92	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-738.88	8347.08	95.06	8379.72	25.57	340.57	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	170.17	264.00	1.56	438.39	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-260.12	45.08	170.17	264.00	1.89	284.78	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-260.12	45.08	170.17	264.00	2.30	196.25	PASS
225.00†	225.00	0.10	0.04	223.91	223.91	-260.18	45.00	151.11	264.15	2.44	177.81	PASS
325.00†	324.96	2.58	0.89	319.38	319.34	-261.70	43.15	151.78	267.69	3.40	109.28	PASS
425.00†	424.77	8.35	2.89	414.08	413.88	-265.19	38.89	153.26	276.11	4.87	70.36	PASS
525.00†	524.30	17.40	6.02	507.43	506.84	-270.56	32.33	155.39	289.69	6.13	55.88	PASS
625.00†	623.44	29.74	10.29	598.88	597.59	-277.69	23.63	157.94	308.80	7.32	48.45	PASS
725.00†	722.07	45.33	15.69	687.92	685.56	-286.39	13.01	160.70	333.73	8.47	44.34	PASS
825.00†	820.05	64.17	22.20	774.10	770.26	-296.45	0.72	163.46	364.68	9.55	42.36	PASS
882.76	876.31	76.52	26.48	825.80	820.89	-303.10	-7.39	165.10	385.13	10.08	42.15	PASS
925.00†	917.36	85.95	29.74	864.27	858.55	-308.05	-13.44	166.32	400.70	10.37	42.50	PASS
1025.00†	1014.53	108.26	37.46	955.32	947.70	-319.79	-27.77	168.87	438.12	11.05	43.34	PASS
1125.00†	1111.71	130.57	45.18	1046.37	1036.85	-331.52	-42.10	171.02	476.18	11.42	45.44	PASS
1225.00†	1208.88	152.88	52.90	1137.42	1126.00	-343.26	-56.43	172.87	514.76	12.29	45.38	PASS
1325.00†	1306.05	175.19	60.62	1228.47	1215.14	-355.00	-70.76	174.46	553.73	12.94	46.16	PASS
1425.00†	1403.23	197.50	68.34	1319.52	1304.29	-366.73	-85.09	175.84	593.03	13.59	46.91	PASS
1525.00†	1500.40	219.81	76.06	1410.58	1393.44	-378.47	-99.42	177.06	632.59	14.24	47.58	PASS
1625.00†	1597.57	242.12	83.78	1501.63	1482.59	-390.20	-113.75	178.13	672.36	14.90	48.17	PASS
1725.00†	1694.75	264.43	91.50	1592.68	1571.73	-401.94	-128.07	179.09	712.31	15.57	48.70	PASS
1825.00†	1791.92	286.74	99.21	1683.73	1660.88	-413.67	-142.40	179.94	752.41	15.93	49.54	PASS
1925.00†	1889.10	309.05	106.93	1774.78	1750.03	-425.41	-156.73	179.29	792.64	16.20	51.12	PASS
2025.00†	1986.27	331.36	114.65	1865.83	1839.18	-437.15	-171.06	178.59	832.99	16.40	53.05	PASS
2125.00†	2083.44	353.67	122.37	1956.88	1928.33	-448.88	-185.39	177.96	873.42	16.56	55.06	PASS
2225.00†	2180.62	375.98	130.09	2047.94	2017.47	-460.62	-199.72	177.39	913.94	16.79	56.79	PASS
2325.00†	2277.79	398.29	137.81	2138.99	2106.62	-472.35	-214.05	176.86	954.52	17.09	58.24	PASS
2425.00†	2374.96	420.60	145.53	2230.04	2195.77	-484.09	-228.38	176.37	995.17	17.45	59.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	27.48	-207.98	-32.84
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.77	-158.57	27.48	-207.98	-32.84
8.5in Open Hole	1750.00	16421.92	14671.92	1725.77	6858.00	-207.98	-32.84	-421.25	2710.72

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 PWB (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	1228.74	9050.44	82.27	11566.01	132.25	88.09	PASS
125.00†	125.00	0.00	0.00	11723.50	7120.94	1228.74	9050.44	82.27	11504.93	132.78	87.27	PASS
200.00	200.00	0.00	0.00	11723.50	7120.94	1228.74	9050.44	82.27	11459.48	133.11	86.71	PASS
225.00†	225.00	0.10	0.04	11723.50	7120.94	1228.74	9050.44	63.52	11444.36	133.22	86.53	PASS
325.00†	324.96	2.58	0.89	11723.50	7120.94	1228.74	9050.44	64.90	11383.46	133.66	85.78	PASS
425.00†	424.77	8.35	2.89	11723.50	7120.94	1228.74	9050.44	66.33	11321.94	134.12	85.02	PASS
525.00†	524.30	17.40	6.02	11723.50	7120.94	1228.74	9050.44	67.78	11259.86	134.59	84.26	PASS
625.00†	623.44	29.74	10.29	11723.50	7120.94	1228.74	9050.44	69.28	11197.30	135.07	83.49	PASS
725.00†	722.07	45.33	15.69	11723.50	7120.94	1228.74	9050.44	70.80	11134.31	135.56	82.72	PASS
825.00†	820.05	64.17	22.20	11723.50	7120.94	1228.74	9050.44	72.35	11070.97	136.07	81.94	PASS
882.76	876.31	76.52	26.48	11723.50	7120.94	1228.74	9050.44	73.26	11034.26	136.37	81.48	PASS
925.00†	917.36	85.95	29.74	11723.50	7120.94	1228.74	9050.44	73.26	11007.43	136.60	81.15	PASS
1025.00†	1014.53	108.26	37.46	11723.50	7120.94	1228.74	9050.44	73.26	10944.29	137.14	80.36	PASS
1125.00†	1111.71	130.57	45.18	11723.50	7120.94	1228.74	9050.44	73.26	10881.71	137.71	79.57	PASS
1225.00†	1208.88	152.88	52.90	11723.50	7120.94	1228.74	9050.44	73.26	10819.69	138.29	78.78	PASS
1325.00†	1306.05	175.19	60.62	11723.50	7120.94	1228.74	9050.44	73.26	10758.24	138.89	77.99	PASS
1425.00†	1403.23	197.50	68.34	11723.50	7120.94	1228.74	9050.44	73.26	10697.38	139.52	77.20	PASS
1525.00†	1500.40	219.81	76.06	11723.50	7120.94	1228.74	9050.44	73.26	10637.10	140.16	76.41	PASS
1625.00†	1597.57	242.12	83.78	11723.50	7120.94	1228.74	9050.44	73.26	10577.43	140.81	75.63	PASS
1725.00†	1694.75	264.43	91.50	11723.50	7120.94	1228.74	9050.44	73.26	10518.37	141.49	74.84	PASS
1825.00†	1791.92	286.74	99.21	11723.50	7120.94	1228.74	9050.44	73.26	10459.94	141.82	74.12	PASS
1925.00†	1889.10	309.05	106.93	11723.50	7120.94	1228.74	9050.44	73.26	10402.13	142.30	73.46	PASS
2025.00†	1986.27	331.36	114.65	11723.50	7120.94	1228.74	9050.44	73.26	10344.97	142.79	72.80	PASS
2125.00†	2083.44	353.67	122.37	11723.50	7120.94	1228.74	9050.44	73.26	10288.47	143.29	72.15	PASS
2225.00†	2180.62	375.98	130.09	11723.50	7120.94	1228.74	9050.44	73.26	10232.62	143.80	71.51	PASS
2325.00†	2277.79	398.29	137.81	11723.50	7120.94	1228.74	9050.44	73.26	10177.46	144.32	70.87	PASS
2425.00†	2374.96	420.60	145.53	11723.50	7120.94	1228.74	9050.44	73.26	10122.98	144.84	70.23	PASS
2525.00†	2472.14	442.91	153.25	11723.50	7120.94	1228.74	9050.44	73.26	10069.20	145.38	69.60	PASS
2625.00†	2569.31	465.22	160.97	11723.50	7120.94	1228.74	9050.44	73.26	10016.14	145.92	68.97	PASS
2725.00†	2666.48	487.53	168.69	11723.50	7120.94	1228.74	9050.44	73.26	9963.79	146.47	68.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 PWB (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 MASD [ft]	Sep Ratio	ACR Status
2825.00†	2763.66	509.84	176.41	11723.50	7120.94	1228.74	9050.44	73.26	9912.17	147.03	67.74	PASS
2925.00†	2860.83	532.15	184.13	11723.50	7120.94	1228.74	9050.44	73.26	9861.30	147.59	67.13	PASS
3025.00†	2958.00	554.46	191.85	11723.50	7120.94	1228.74	9050.44	73.26	9811.18	148.16	66.53	PASS
3125.00†	3055.18	576.77	199.57	11723.50	7120.94	1228.74	9050.44	73.26	9761.84	148.75	65.94	PASS
3225.00†	3152.35	599.08	207.29	11723.50	7120.94	1228.74	9050.44	73.26	9713.27	149.33	65.35	PASS
3325.00†	3249.52	621.39	215.01	11723.50	7120.94	1228.74	9050.44	73.26	9665.49	149.92	64.77	PASS
3425.00†	3346.70	643.70	222.73	11723.50	7120.94	1228.74	9050.44	73.26	9618.51	150.52	64.20	PASS
3525.00†	3443.87	666.01	230.45	11723.50	7120.94	1228.74	9050.44	73.26	9572.35	151.13	63.63	PASS
3625.00†	3541.04	688.32	238.17	11723.50	7120.94	1228.74	9050.44	73.26	9527.01	151.74	63.08	PASS
3725.00†	3638.22	710.63	245.88	11723.50	7120.94	1228.74	9050.44	73.26	9482.51	152.35	62.53	PASS
3825.00†	3735.39	732.94	253.60	11723.50	7120.94	1228.74	9050.44	73.26	9438.86	152.97	61.99	PASS
3925.00†	3832.56	755.25	261.32	11723.50	7120.94	1228.74	9050.44	73.26	9396.07	153.59	61.45	PASS
4025.00†	3929.74	777.56	269.04	11723.50	7120.94	1228.74	9050.44	73.26	9354.16	154.22	60.93	PASS
4125.00†	4026.91	799.87	276.76	11723.50	7120.94	1228.74	9050.44	73.26	9313.13	154.85	60.42	PASS
4225.00†	4124.08	822.18	284.48	11723.50	7120.94	1228.74	9050.44	73.26	9273.00	155.48	59.91	PASS
4325.00†	4221.26	844.49	292.20	11723.50	7120.94	1228.74	9050.44	73.26	9233.77	156.11	59.41	PASS
4425.00†	4318.43	866.80	299.92	11723.50	7120.94	1228.74	9050.44	73.26	9195.47	156.74	58.93	PASS
4525.00†	4415.60	889.11	307.64	11723.50	7120.94	1228.74	9050.44	73.26	9158.10	157.38	58.45	PASS
4625.00†	4512.78	911.42	315.36	11723.50	7120.94	1228.74	9050.44	73.26	9121.67	158.01	57.98	PASS
4725.00†	4609.95	933.72	323.08	11723.50	7120.94	1228.74	9050.44	73.26	9086.19	158.65	57.53	PASS
4825.00†	4707.13	956.03	330.80	11723.50	7120.94	1228.74	9050.44	73.26	9051.68	159.28	57.08	PASS
4925.00†	4804.30	978.34	338.52	11723.50	7120.94	1228.74	9050.44	73.26	9018.15	159.91	56.64	PASS
5025.00†	4901.47	1000.65	346.24	11723.50	7120.94	1228.74	9050.44	73.26	8985.61	160.54	56.21	PASS
5125.00†	4998.65	1022.96	353.96	11723.50	7120.94	1228.74	9050.44	73.26	8954.06	161.17	55.80	PASS
5225.00†	5095.82	1045.27	361.68	11723.50	7120.94	1228.74	9050.44	73.26	8923.53	161.79	55.39	PASS
5325.00†	5192.99	1067.58	369.40	11723.50	7120.94	1228.74	9050.44	73.26	8894.01	162.41	55.00	PASS
5425.00†	5290.17	1089.89	377.12	11723.50	7120.94	1228.74	9050.44	73.26	8865.52	163.02	54.62	PASS
5525.00†	5387.34	1112.20	384.84	11723.50	7120.94	1228.74	9050.44	73.26	8838.08	163.63	54.24	PASS
5625.00†	5484.51	1134.51	392.56	11723.50	7120.94	1228.74	9050.44	73.26	8811.68	164.23	53.88	PASS
5725.00†	5581.69	1156.82	400.27	11723.50	7120.94	1228.74	9050.44	73.26	8786.34	164.83	53.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 PWB (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†	5678.86	1179.13	407.99	11723.50	7120.94	1228.74	9050.44	73.26	8762.07	165.42	53.19	PASS
5925.00†	5776.03	1201.44	415.71	11723.50	7120.94	1228.74	9050.44	73.26	8738.88	166.00	52.87	PASS
6025.00†	5873.21	1223.75	423.43	11719.84	7120.93	1232.40	9050.44	73.24	8716.77	166.47	52.58	PASS
6125.00†	5970.38	1246.06	431.15	11697.93	7120.84	1254.32	9050.43	73.10	8695.72	166.44	52.47	PASS
6225.00†	6067.55	1268.37	438.87	11676.01	7120.75	1276.23	9050.42	72.95	8675.71	166.39	52.36	PASS
6325.00†	6164.73	1290.68	446.59	11654.09	7120.67	1298.15	9050.41	72.81	8656.76	166.34	52.26	PASS
6425.00†	6261.90	1312.99	454.31	11632.18	7120.58	1320.07	9050.40	72.66	8638.87	166.27	52.17	PASS
6525.00†	6359.07	1335.30	462.03	11610.26	7120.49	1341.98	9050.39	72.52	8622.05	166.20	52.10	PASS
6625.00†	6456.25	1357.61	469.75	11588.35	7120.40	1363.90	9050.38	72.38	8606.30	166.11	52.03	PASS
6725.00†	6553.42	1379.92	477.47	11566.43	7120.31	1385.81	9050.37	72.23	8591.63	166.01	51.97	PASS
6770.11	6597.25	1389.99	480.95	11556.54	7120.27	1395.70	9050.37	72.17	8585.36	165.96	51.95	PASS
6825.00†	6650.35	1402.17	487.54	11544.57	7120.23	1407.67	9050.36	55.33	8575.70	165.93	51.90	PASS
6925.00†	6744.88	1423.86	511.48	11523.28	7120.14	1428.96	9050.35	36.60	8547.11	166.17	51.65	PASS
7025.00†	6834.60	1444.41	550.31	11503.10	7120.06	1449.14	9050.34	26.94	8504.83	166.84	51.19	PASS
7125.00†	6917.30	1463.34	603.05	11484.53	7119.98	1467.71	9050.34	21.44	8449.72	167.38	50.69	PASS
7225.00†	6990.95	1480.16	668.41	11468.03	7119.92	1484.22	9050.33	18.03	8382.91	167.82	50.16	PASS
7325.00†	7053.73	1494.48	744.79	11453.99	7119.86	1498.25	9050.32	15.79	8305.80	168.14	49.60	PASS
7425.00†	7104.09	1505.93	830.30	11442.78	7119.82	1509.46	9050.32	14.25	8220.04	168.37	49.02	PASS
7525.00†	7140.80	1514.24	922.83	11434.66	7119.78	1517.58	9050.32	13.12	8127.51	168.50	48.43	PASS
7625.00†	7162.95	1519.20	1020.12	11429.83	7119.77	1522.41	9050.31	12.01	8030.31	168.57	47.84	PASS
7724.04	7170.00	1520.68	1118.80	11428.42	7119.76	1523.83	9050.31	-56.45	7931.68	168.60	47.24	PASS
7725.00†	7170.00	1520.68	1119.76	11428.42	7119.76	1523.82	9050.31	-56.44	7930.72	168.60	47.23	PASS
7825.00†	7169.55	1520.44	1219.75	11428.70	7119.76	1523.54	9050.31	-56.11	7830.72	168.62	46.63	PASS
7925.00†	7169.10	1520.20	1319.75	11428.98	7119.76	1523.27	9050.31	-55.77	7730.72	168.64	46.03	PASS
8025.00†	7168.65	1519.96	1419.75	11429.26	7119.76	1522.99	9050.31	-55.42	7630.72	168.66	45.43	PASS
8125.00†	7168.20	1519.73	1519.75	11429.53	7119.76	1522.71	9050.31	-55.07	7530.72	168.69	44.83	PASS
8225.00†	7167.75	1519.49	1619.75	11429.81	7119.77	1522.43	9050.31	-54.71	7430.72	168.71	44.23	PASS
8325.00†	7167.30	1519.25	1719.75	11430.09	7119.77	1522.15	9050.31	-54.34	7330.72	168.74	43.62	PASS
8425.00†	7166.85	1519.01	1819.75	11430.37	7119.77	1521.87	9050.31	-53.97	7230.72	168.77	43.02	PASS
8525.00†	7166.40	1518.77	1919.75	11430.65	7119.77	1521.59	9050.31	-53.59	7130.72	168.79	42.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 PWB (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 MASD [ft]	Sep Ratio	ACR Status
8625.00†	7165.95	1518.53	2019.74	11430.93	7119.77	1521.31	9050.31	-53.20	7030.72	168.82	41.82	PASS
8725.00†	7165.51	1518.30	2119.74	11431.21	7119.77	1521.04	9050.31	-52.81	6930.72	168.85	41.21	PASS
8825.00†	7165.06	1518.06	2219.74	11431.49	7119.77	1520.76	9050.31	-52.41	6830.72	168.89	40.61	PASS
8925.00†	7164.61	1517.82	2319.74	11431.76	7119.77	1520.48	9050.31	-52.00	6730.72	168.92	40.01	PASS
9025.00†	7164.16	1517.58	2419.74	11432.04	7119.77	1520.20	9050.31	-51.59	6630.72	168.96	39.41	PASS
9125.00†	7163.71	1517.34	2519.74	11432.32	7119.78	1519.92	9050.31	-51.16	6530.73	168.99	38.80	PASS
9225.00†	7163.26	1517.10	2619.74	11432.60	7119.78	1519.64	9050.31	-50.73	6430.73	169.03	38.20	PASS
9325.00†	7162.81	1516.87	2719.73	11432.88	7119.78	1519.36	9050.31	-50.29	6330.73	169.07	37.60	PASS
9425.00†	7162.36	1516.63	2819.73	11433.16	7119.78	1519.08	9050.32	-49.84	6230.73	169.11	37.00	PASS
9525.00†	7161.91	1516.39	2919.73	11433.44	7119.78	1518.81	9050.32	-49.38	6130.73	169.15	36.39	PASS
9625.00†	7161.46	1516.15	3019.73	11433.72	7119.78	1518.53	9050.32	-48.92	6030.73	169.19	35.79	PASS
9725.00†	7161.01	1515.91	3119.73	11433.99	7119.78	1518.25	9050.32	-48.44	5930.73	169.23	35.19	PASS
9825.00†	7160.57	1515.67	3219.73	11434.27	7119.78	1517.97	9050.32	-47.96	5830.73	169.28	34.59	PASS
9925.00†	7160.12	1515.44	3319.73	11434.55	7119.78	1517.69	9050.32	-47.47	5730.73	169.32	33.98	PASS
10025.00†	7159.67	1515.20	3419.73	11434.83	7119.79	1517.41	9050.32	-46.97	5630.73	169.37	33.38	PASS
10125.00†	7159.22	1514.96	3519.72	11435.11	7119.79	1517.13	9050.32	-46.45	5530.73	169.41	32.78	PASS
10225.00†	7158.77	1514.72	3619.72	11435.39	7119.79	1516.85	9050.32	-45.93	5430.73	169.46	32.18	PASS
10325.00†	7158.32	1514.48	3719.72	11435.67	7119.79	1516.58	9050.32	-45.40	5330.73	169.51	31.58	PASS
10425.00†	7157.87	1514.24	3819.72	11435.95	7119.79	1516.30	9050.32	-44.86	5230.73	169.56	30.97	PASS
10525.00†	7157.42	1514.01	3919.72	11436.22	7119.79	1516.02	9050.32	-44.30	5130.74	169.62	30.37	PASS
10625.00†	7156.97	1513.77	4019.72	11436.50	7119.79	1515.74	9050.32	-43.74	5030.74	169.67	29.77	PASS
10725.00†	7156.52	1513.53	4119.72	11436.78	7119.79	1515.46	9050.32	-43.17	4930.74	169.72	29.17	PASS
10825.00†	7156.08	1513.29	4219.72	11437.06	7119.79	1515.18	9050.32	-42.58	4830.74	169.78	28.57	PASS
10925.00†	7155.63	1513.05	4319.71	11437.34	7119.80	1514.90	9050.32	-41.98	4730.74	169.84	27.97	PASS
11025.00†	7155.18	1512.81	4419.71	11437.62	7119.80	1514.62	9050.32	-41.37	4630.74	169.90	27.37	PASS
11125.00†	7154.73	1512.58	4519.71	11437.90	7119.80	1514.35	9050.32	-40.75	4530.74	169.95	26.77	PASS
11225.00†	7154.28	1512.34	4619.71	11438.18	7119.80	1514.07	9050.32	-40.12	4430.74	170.01	26.17	PASS
11325.00†	7153.83	1512.10	4719.71	11438.45	7119.80	1513.79	9050.32	-39.48	4330.74	170.08	25.57	PASS
11425.00†	7153.38	1511.86	4819.71	11438.73	7119.80	1513.51	9050.32	-38.82	4230.74	170.14	24.97	PASS
11525.00†	7152.93	1511.62	4919.71	11439.01	7119.80	1513.23	9050.32	-38.15	4130.74	170.20	24.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 PWB (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 MASD [ft]	Sep Ratio	ACR Status
11625.00†	7152.48	1511.38	5019.71	11439.29	7119.80	1512.95	9050.32	-37.47	4030.75	170.27	23.77	PASS
11725.00†	7152.03	1511.15	5119.70	11439.57	7119.80	1512.67	9050.32	-36.78	3930.75	170.33	23.17	PASS
11825.00†	7151.58	1510.91	5219.70	11439.85	7119.81	1512.39	9050.32	-36.07	3830.75	170.40	22.57	PASS
11925.00†	7151.14	1510.67	5319.70	11440.13	7119.81	1512.12	9050.32	-35.35	3730.75	170.47	21.97	PASS
12025.00†	7150.69	1510.43	5419.70	11440.40	7119.81	1511.84	9050.32	-34.62	3630.75	170.54	21.37	PASS
12125.00†	7150.24	1510.19	5519.70	11440.68	7119.81	1511.56	9050.32	-33.87	3530.75	170.61	20.78	PASS
12225.00†	7149.79	1509.95	5619.70	11440.96	7119.81	1511.28	9050.32	-33.11	3430.75	170.68	20.18	PASS
12325.00†	7149.34	1509.72	5719.70	11441.24	7119.81	1511.00	9050.32	-32.34	3330.75	170.75	19.58	PASS
12425.00†	7148.89	1509.48	5819.69	11441.52	7119.81	1510.72	9050.32	-31.55	3230.75	170.82	18.99	PASS
12525.00†	7148.44	1509.24	5919.69	11441.80	7119.81	1510.44	9050.32	-30.75	3130.76	170.90	18.39	PASS
12625.00†	7147.99	1509.00	6019.69	11442.08	7119.81	1510.17	9050.32	-29.93	3030.76	170.98	17.80	PASS
12725.00†	7147.54	1508.76	6119.69	11442.36	7119.82	1509.89	9050.32	-29.11	2930.76	171.05	17.20	PASS
12825.00†	7147.09	1508.52	6219.69	11442.63	7119.82	1509.61	9050.32	-28.26	2830.76	171.13	16.61	PASS
12925.00†	7146.65	1508.28	6319.69	11442.91	7119.82	1509.33	9050.32	-27.41	2730.76	171.21	16.01	PASS
13025.00†	7146.20	1508.05	6419.69	11443.19	7119.82	1509.05	9050.32	-26.54	2630.76	171.29	15.42	PASS
13125.00†	7145.75	1507.81	6519.69	11443.47	7119.82	1508.77	9050.32	-25.66	2530.77	171.37	14.82	PASS
13225.00†	7145.30	1507.57	6619.68	11443.75	7119.82	1508.49	9050.32	-24.76	2430.77	171.45	14.23	PASS
13325.00†	7144.85	1507.33	6719.68	11444.03	7119.82	1508.21	9050.32	-23.85	2330.77	171.54	13.64	PASS
13425.00†	7144.40	1507.09	6819.68	11444.31	7119.82	1507.94	9050.32	-22.93	2230.77	171.62	13.05	PASS
13525.00†	7143.95	1506.85	6919.68	11444.59	7119.82	1507.66	9050.32	-21.99	2130.78	171.71	12.46	PASS
13625.00†	7143.50	1506.62	7019.68	11444.86	7119.83	1507.38	9050.32	-21.05	2030.78	171.80	11.87	PASS
13725.00†	7143.05	1506.38	7119.68	11445.14	7119.83	1507.10	9050.32	-20.09	1930.78	171.89	11.28	PASS
13825.00†	7142.60	1506.14	7219.68	11445.42	7119.83	1506.82	9050.32	-19.11	1830.79	171.98	10.69	PASS
13925.00†	7142.15	1505.90	7319.68	11445.70	7119.83	1506.54	9050.32	-18.13	1730.79	172.07	10.10	PASS
14025.00†	7141.71	1505.66	7419.67	11445.98	7119.83	1506.26	9050.32	-17.13	1630.79	172.16	9.51	PASS
14125.00†	7141.26	1505.42	7519.67	11446.26	7119.83	1505.98	9050.32	-16.13	1530.80	172.25	8.92	PASS
14225.00†	7140.81	1505.19	7619.67	11446.54	7119.83	1505.71	9050.32	-15.11	1430.80	172.35	8.33	PASS
14325.00†	7140.36	1504.95	7719.67	11446.82	7119.83	1505.43	9050.32	-14.09	1330.81	172.45	7.74	PASS
14425.00†	7139.91	1504.71	7819.67	11447.09	7119.83	1505.15	9050.32	-13.05	1230.82	172.55	7.16	PASS
14525.00†	7139.46	1504.47	7919.67	11447.37	7119.84	1504.87	9050.32	-12.00	1130.82	172.65	6.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
14625.00†	7139.01	1504.23	8019.67	11447.65	7119.84	1504.59	9050.32	-10.95	1030.83	172.75	5.99	PASS
14725.00†	7138.56	1503.99	8119.67	11447.93	7119.84	1504.31	9050.32	-9.89	930.84	172.86	5.40	PASS
14825.00†	7138.11	1503.76	8219.66	11448.21	7119.84	1504.03	9050.32	-8.82	830.86	172.97	4.82	PASS
14925.00†	7137.66	1503.52	8319.66	11448.49	7119.84	1503.75	9050.32	-7.75	730.88	173.09	4.24	PASS
15025.00†	7137.22	1503.28	8419.66	11448.77	7119.84	1503.48	9050.32	-6.67	630.90	173.21	3.65	PASS
15072.98	7137.00	1503.17	8467.64	11448.90	7119.84	1503.34	9050.32	-6.15	582.94	173.27	3.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY -

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)

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

WELLPATH COMPOSITION

- 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)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11723.50	ISCWSA MWD, Rev. 4 (Standard)	PLANNED WELLBORE INTERPOLATIONS FROM SRC (200-11723.5)	KINDFSATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD)

OFFSET WELLPATH REFERENCE -

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)

MD Reference: Rig on SLOT#01 KINDFSATER 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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14286.42	7159.95	3042.03	-418.07	-7.83	7767.64	164.99	47.34	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	849.81	-4955.34	913.22	-4932.36
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1720.95	849.81	-4955.34	913.22	-4932.36
8.5in Open Hole	1762.00	15615.00	13853.00	1720.95	7164.89	913.22	-4932.36	1349.81	-2201.01

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	170.86	283.76	1.56	471.33	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-280.16	45.08	170.86	283.76	1.89	305.86	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-280.16	45.08	170.86	283.76	2.31	209.85	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-280.16	45.08	151.78	283.86	2.45	189.80	PASS
325.00†	324.96	2.58	0.89	323.56	323.56	-280.23	45.01	152.02	286.23	3.32	120.84	PASS
425.00†	424.77	8.35	2.89	417.49	417.46	-281.87	43.39	152.85	293.12	4.63	79.67	PASS
525.00†	524.30	17.40	6.02	510.36	510.17	-285.66	39.66	154.31	305.25	5.91	61.50	PASS
625.00†	623.44	29.74	10.29	601.59	601.03	-291.45	33.94	156.23	322.84	7.10	52.48	PASS
725.00†	722.07	45.33	15.69	690.66	689.45	-299.10	26.40	158.44	346.14	8.22	47.55	PASS
825.00†	820.05	64.17	22.20	777.08	774.88	-308.38	17.25	160.76	375.31	9.31	44.87	PASS
882.76	876.31	76.52	26.48	825.63	822.68	-314.40	11.31	162.09	394.87	9.87	44.21	PASS
925.00†	917.36	85.95	29.74	860.56	856.99	-319.08	6.69	163.13	410.16	10.22	44.22	PASS
1025.00†	1014.53	108.26	37.46	941.78	936.43	-331.13	-5.19	165.46	448.31	10.95	44.79	PASS
1125.00†	1111.71	130.57	45.18	1031.23	1023.61	-345.37	-19.23	167.76	488.29	11.57	45.96	PASS
1225.00†	1208.88	152.88	52.90	1121.18	1111.28	-359.68	-33.35	169.73	528.85	12.21	46.95	PASS
1325.00†	1306.05	175.19	60.62	1211.13	1198.96	-374.00	-47.47	171.42	569.88	12.82	47.99	PASS
1425.00†	1403.23	197.50	68.34	1301.08	1286.63	-388.32	-61.59	172.89	611.28	13.39	49.11	PASS
1525.00†	1500.40	219.81	76.06	1391.03	1374.31	-402.64	-75.71	174.18	652.97	14.09	49.67	PASS
1625.00†	1597.57	242.12	83.78	1480.98	1461.98	-416.96	-89.83	175.32	694.91	14.73	50.39	PASS
1725.00†	1694.75	264.43	91.50	1570.93	1549.66	-431.28	-103.95	176.33	737.06	15.38	51.05	PASS
1825.00†	1791.92	286.74	99.21	1660.88	1637.33	-445.59	-118.07	177.23	779.37	15.73	52.01	PASS
1925.00†	1889.10	309.05	106.93	1750.84	1725.01	-459.91	-132.18	178.04	821.83	16.04	53.57	PASS
2025.00†	1986.27	331.36	114.65	1840.79	1812.68	-474.23	-146.30	178.77	864.41	16.27	55.50	PASS
2125.00†	2083.44	353.67	122.37	1930.74	1900.35	-488.55	-160.42	179.43	907.10	16.42	57.68	PASS
2225.00†	2180.62	375.98	130.09	2020.69	1988.03	-502.87	-174.54	179.97	949.87	16.64	59.56	PASS
2325.00†	2277.79	398.29	137.81	2110.64	2075.70	-517.19	-188.66	179.41	992.73	16.94	61.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	27.48	-225.53	-26.51
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1724.19	-170.78	27.48	-225.53	-26.51
8.5in Open Hole	1750.00	16568.66	14818.66	1724.19	N/A	-225.53	-26.51	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2845.83	7833.94	70.04	8334.83	25.57	338.75	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	957.96	5143.91	79.45	5232.35	50.17	106.32	PASS
125.00†	125.00	0.00	0.00	100.48	125.48	957.94	5143.91	79.45	5232.35	50.17	106.31	PASS
200.00	200.00	0.00	0.00	177.30	202.30	957.91	5143.90	79.45	5232.33	50.18	106.29	PASS
225.00†	225.00	0.10	0.04	202.92	227.92	957.89	5143.89	60.37	5232.26	50.18	106.28	PASS
325.00†	324.96	2.58	0.89	307.09	332.09	957.87	5143.80	60.42	5230.88	50.21	106.20	PASS
425.00†	424.77	8.35	2.89	439.57	464.57	957.68	5143.27	60.56	5227.46	50.27	106.01	PASS
525.00†	524.30	17.40	6.02	566.21	591.20	957.46	5141.91	60.77	5221.64	50.34	105.73	PASS
625.00†	623.44	29.74	10.29	666.90	691.88	957.25	5140.59	61.03	5213.92	50.42	105.40	PASS
725.00†	722.07	45.33	15.69	766.45	791.43	957.07	5139.30	61.36	5204.57	50.53	104.99	PASS
825.00†	820.05	64.17	22.20	867.41	892.38	956.95	5137.93	61.75	5193.54	50.65	104.50	PASS
882.76	876.31	76.52	26.48	925.65	950.60	956.80	5137.12	62.00	5186.43	50.74	104.18	PASS
925.00†	917.36	85.95	29.74	968.43	993.38	956.68	5136.51	62.10	5181.03	50.80	103.93	PASS
1025.00†	1014.53	108.26	37.46	1067.94	1092.89	956.41	5135.04	62.33	5168.26	50.98	103.32	PASS
1125.00†	1111.71	130.57	45.18	1168.17	1193.11	956.27	5133.50	62.57	5155.52	51.18	102.66	PASS
1225.00†	1208.88	152.88	52.90	1265.08	1290.00	956.15	5131.96	62.79	5142.83	51.40	101.95	PASS
1325.00†	1306.05	175.19	60.62	1367.28	1392.18	955.82	5130.35	63.04	5130.20	51.65	101.19	PASS
1425.00†	1403.23	197.50	68.34	1460.75	1485.64	955.40	5128.82	63.26	5117.59	51.93	100.39	PASS
1525.00†	1500.40	219.81	76.06	1540.69	1565.57	955.11	5127.66	63.45	5105.26	52.22	99.59	PASS
1625.00†	1597.57	242.12	83.78	1617.53	1642.40	954.41	5126.95	63.64	5093.43	52.52	98.78	PASS
1725.00†	1694.75	264.43	91.50	1708.46	1733.33	953.49	5126.33	63.87	5081.91	52.85	97.92	PASS
1825.00†	1791.92	286.74	99.21	1797.73	1822.59	952.60	5125.83	64.09	5070.62	52.81	97.31	PASS
1925.00†	1889.10	309.05	106.93	1900.26	1925.11	951.58	5125.29	64.35	5059.45	52.91	96.91	PASS
2025.00†	1986.27	331.36	114.65	2547.97	2570.22	916.13	5091.85	66.30	5045.34	53.45	95.64	PASS
2125.00†	2083.44	353.67	122.37	2641.07	2662.26	905.86	5082.30	66.64	5024.03	53.62	94.94	PASS
2225.00†	2180.62	375.98	130.09	2755.41	2775.31	893.69	5070.26	67.06	5002.70	53.80	94.21	PASS
2325.00†	2277.79	398.29	137.81	2867.71	2886.39	882.91	5057.76	67.45	4981.08	54.00	93.45	PASS
2425.00†	2374.96	420.60	145.53	2986.07	3003.46	872.19	5044.07	67.87	4959.30	54.22	92.66	PASS
2525.00†	2472.14	442.91	153.25	3078.19	3094.52	863.43	5033.17	68.20	4937.39	54.45	91.86	PASS
2625.00†	2569.31	465.22	160.97	3153.98	3169.45	856.16	5024.34	68.47	4915.83	54.68	91.06	PASS
2725.00†	2666.48	487.53	168.69	3238.50	3253.06	848.32	5014.81	68.78	4894.80	54.93	90.25	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
2825.00†	2763.66	509.84	176.41	3331.21	3344.77	839.72	5004.27	69.11	4873.89	55.20	89.43	PASS
2925.00†	2860.83	532.15	184.13	3406.47	3419.23	832.68	4995.95	69.39	4853.42	55.48	88.61	PASS
3025.00†	2958.00	554.46	191.85	3504.46	3516.19	823.37	4985.24	69.76	4833.27	55.77	87.76	PASS
3125.00†	3055.18	576.77	199.57	3624.43	3634.81	811.72	4971.60	70.21	4812.84	56.10	86.88	PASS
3225.00†	3152.35	599.08	207.29	3698.97	3708.49	804.18	4963.16	70.50	4792.67	56.41	86.03	PASS
3325.00†	3249.52	621.39	215.01	3833.56	3841.36	789.56	4947.50	71.03	4772.32	56.77	85.12	PASS
3425.00†	3346.70	643.70	222.73	3933.51	3939.96	778.36	4935.57	71.43	4751.95	57.12	84.22	PASS
3525.00†	3443.87	666.01	230.45	4031.49	4036.65	768.13	4923.46	71.83	4731.40	57.48	83.32	PASS
3625.00†	3541.04	688.32	238.17	4093.51	4097.91	761.84	4916.06	72.07	4711.50	57.84	82.46	PASS
3725.00†	3638.22	710.63	245.88	4158.31	4161.95	755.32	4908.73	72.33	4692.38	58.20	81.60	PASS
3825.00†	3735.39	732.94	253.60	4231.68	4234.54	748.00	4900.86	72.63	4674.01	58.58	80.75	PASS
3925.00†	3832.56	755.25	261.32	4329.55	4331.39	738.45	4890.52	73.02	4656.02	58.99	79.87	PASS
4025.00†	3929.74	777.56	269.04	4487.04	4487.17	723.65	4872.71	73.65	4637.61	59.46	78.92	PASS
4125.00†	4026.91	799.87	276.76	4587.74	4586.74	715.09	4860.42	74.04	4618.49	59.90	78.01	PASS
4225.00†	4124.08	822.18	284.48	4684.09	4682.07	707.53	4848.61	74.42	4599.53	60.35	77.10	PASS
4325.00†	4221.26	844.49	292.20	4749.78	4747.06	702.27	4840.68	74.68	4580.97	60.79	76.24	PASS
4425.00†	4318.43	866.80	299.92	4809.66	4806.34	697.21	4833.89	74.92	4563.30	61.22	75.40	PASS
4525.00†	4415.60	889.11	307.64	4870.92	4867.00	691.66	4827.37	75.17	4546.50	61.66	74.58	PASS
4625.00†	4512.78	911.42	315.36	4955.99	4951.23	683.33	4818.79	75.52	4530.47	62.13	73.75	PASS
4725.00†	4609.95	933.72	323.08	5056.97	5051.14	672.97	4808.42	75.96	4514.53	62.62	72.91	PASS
4825.00†	4707.13	956.03	330.80	5141.12	5134.41	664.55	4799.77	76.32	4498.80	63.09	72.10	PASS
4925.00†	4804.30	978.34	338.52	5220.92	5213.47	657.06	4791.89	76.65	4483.66	63.58	71.31	PASS
5025.00†	4901.47	1000.65	346.24	5312.78	5304.47	648.39	4782.84	77.04	4468.77	64.08	70.51	PASS
5125.00†	4998.65	1022.96	353.96	5370.37	5361.59	643.36	4777.49	77.28	4454.60	64.55	69.76	PASS
5225.00†	5095.82	1045.27	361.68	5429.14	5419.98	638.89	4772.55	77.52	4441.40	65.03	69.03	PASS
5325.00†	5192.99	1067.58	369.40	5489.04	5479.58	634.95	4768.05	77.76	4429.16	65.52	68.33	PASS
5425.00†	5290.17	1089.89	377.12	5532.92	5523.30	632.48	4765.18	77.92	4417.99	65.99	67.67	PASS
5525.00†	5387.34	1112.20	384.84	5573.53	5563.81	630.63	4763.09	78.07	4408.19	66.45	67.04	PASS
5625.00†	5484.51	1134.51	392.56	5624.58	5614.80	628.88	4761.18	78.25	4399.71	66.93	66.43	PASS
5725.00†	5581.69	1156.82	400.27	5694.55	5684.72	627.17	4759.10	78.49	4392.10	67.46	65.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
5825.00†	5678.86	1179.13	407.99	5755.38	5745.52	626.35	4757.81	78.68	4385.31	67.96	65.19	PASS
5925.00†	5776.03	1201.44	415.71	5824.09	5814.23	626.24	4757.04	78.90	4379.43	68.50	64.59	PASS
6025.00†	5873.21	1223.75	423.43	5916.74	5906.87	626.24	4756.27	79.18	4373.98	69.11	63.94	PASS
6125.00†	5970.38	1246.06	431.15	6010.36	6000.49	626.12	4755.55	79.47	4368.72	69.71	63.31	PASS
6225.00†	6067.55	1268.37	438.87	6094.05	6084.18	626.01	4755.09	79.72	4363.78	70.29	62.71	PASS
6325.00†	6164.73	1290.68	446.59	6189.43	6179.56	625.96	4754.74	80.02	4359.15	70.90	62.09	PASS
6425.00†	6261.90	1312.99	454.31	6283.40	6273.53	625.92	4754.44	80.31	4354.69	71.52	61.49	PASS
6525.00†	6359.07	1335.30	462.03	6381.76	6371.88	625.83	4754.16	80.61	4350.39	72.15	60.89	PASS
6625.00†	6456.25	1357.61	469.75	6478.35	6468.48	625.81	4753.86	80.91	4346.19	72.79	60.29	PASS
6725.00†	6553.42	1379.92	477.47	6581.89	6572.02	625.87	4753.52	81.22	4342.07	73.45	59.68	PASS
6770.11	6597.25	1389.99	480.95	6631.02	6621.15	625.94	4753.29	81.38	4340.19	73.76	59.40	PASS
6825.00†	6650.35	1402.17	487.54	6691.56	6681.69	626.02	4752.91	81.68	4335.53	74.17	59.01	PASS
6925.00†	6744.88	1423.86	511.48	6791.89	6782.01	626.09	4752.11	81.97	4331.18	74.72	58.61	PASS
7025.00†	6834.60	1444.41	550.31	6871.87	6861.99	625.88	4751.45	82.26	4327.03	75.27	58.21	PASS
7125.00†	6917.30	1463.34	603.05	6943.27	6933.38	625.18	4750.94	82.55	4323.15	75.82	57.81	PASS
7225.00†	6990.95	1480.16	668.41	7006.62	6996.72	623.95	4750.52	82.84	4319.44	76.37	57.41	PASS
7325.00†	7053.73	1494.48	744.79	7065.47	7055.57	623.07	4750.28	83.13	4315.91	76.92	57.01	PASS
7425.00†	7104.09	1505.93	830.30	7114.00	7104.09	622.93	4750.24	83.42	4312.54	77.47	56.61	PASS
7525.00†	7140.80	1514.24	922.83	7150.71	7140.80	622.93	4750.24	83.71	4309.32	78.02	56.21	PASS
7625.00†	7162.95	1519.20	1020.12	7172.86	7162.95	622.93	4750.24	84.00	4306.15	78.57	55.81	PASS
7724.04	7170.00	1520.68	1118.80	7179.91	7170.00	622.93	4750.24	84.29	4303.03	79.12	55.41	PASS
7725.00†	7170.00	1520.68	1119.76	7179.90	7170.00	622.93	4750.24	84.58	4300.00	79.67	55.01	PASS
7825.00†	7169.55	1520.44	1219.75	7179.45	7169.55	622.93	4750.24	84.87	4297.03	80.22	54.61	PASS
7925.00†	7169.10	1520.20	1319.75	7179.01	7169.10	622.93	4750.24	85.16	4294.11	80.77	54.21	PASS
8025.00†	7168.65	1519.96	1419.75	7178.56	7168.65	622.93	4750.24	85.45	4291.24	81.32	53.81	PASS
8125.00†	7168.20	1519.73	1519.75	7178.11	7168.20	622.93	4750.24	85.74	4288.41	81.87	53.41	PASS
8225.00†	7167.75	1519.49	1619.75	7177.66	7167.75	622.93	4750.24	86.03	4285.63	82.42	53.01	PASS
8325.00†	7167.30	1519.25	1719.75	7177.21	7167.30	622.93	4750.24	86.32	4282.90	82.97	52.61	PASS
8425.00†	7166.85	1519.01	1819.75	7176.76	7166.85	622.93	4750.24	86.61	4280.21	83.52	52.21	PASS
8525.00†	7166.40	1518.77	1919.75	7176.31	7166.40	622.93	4750.24	86.90	4277.57	84.07	51.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8625.00†	7165.95	1518.53	2019.74	7175.86	7165.95	622.93	4750.24	90.79	2873.62	88.90	32.58	PASS
8725.00†	7165.51	1518.30	2119.74	7175.41	7165.51	622.93	4750.24	90.76	2778.70	90.06	31.09	PASS
8825.00†	7165.06	1518.06	2219.74	7174.96	7165.06	622.93	4750.24	90.73	2684.15	91.37	29.60	PASS
8925.00†	7164.61	1517.82	2319.74	7174.52	7164.61	622.93	4750.24	90.70	2590.01	92.83	28.11	PASS
9025.00†	7164.16	1517.58	2419.74	7174.07	7164.16	622.93	4750.24	90.68	2496.32	94.47	26.62	PASS
9125.00†	7163.71	1517.34	2519.74	7173.62	7163.71	622.93	4750.24	90.65	2403.15	96.30	25.13	PASS
9225.00†	7163.26	1517.10	2619.74	7173.17	7163.26	622.93	4750.24	90.62	2310.54	98.35	23.66	PASS
9325.00†	7162.81	1516.87	2719.73	7172.72	7162.81	622.93	4750.24	90.59	2218.57	100.64	22.19	PASS
9425.00†	7162.36	1516.63	2819.73	7172.27	7162.36	622.93	4750.24	90.56	2127.33	103.21	20.75	PASS
9525.00†	7161.91	1516.39	2919.73	7171.82	7161.91	622.93	4750.24	90.53	2036.91	106.07	19.33	PASS
9625.00†	7161.46	1516.15	3019.73	7171.37	7161.46	622.93	4750.24	90.50	1947.43	109.28	17.93	PASS
9725.00†	7161.01	1515.91	3119.73	7170.92	7161.01	622.93	4750.24	90.47	1859.03	112.85	16.57	PASS
9825.00†	7160.57	1515.67	3219.73	7170.47	7160.57	622.93	4750.24	90.44	1771.85	116.85	15.25	PASS
9925.00†	7160.12	1515.44	3319.73	7170.03	7160.12	622.93	4750.24	90.42	1686.10	121.31	13.97	PASS
10025.00†	7159.67	1515.20	3419.73	7169.58	7159.67	622.93	4750.24	90.39	1602.00	126.29	12.75	PASS
10125.00†	7159.22	1514.96	3519.72	7169.13	7159.22	622.93	4750.24	90.36	1519.83	131.83	11.59	PASS
10225.00†	7158.77	1514.72	3619.72	7168.68	7158.77	622.93	4750.24	90.33	1439.92	137.99	10.48	PASS
10325.00†	7158.32	1514.48	3719.72	7168.23	7158.32	622.93	4750.24	90.30	1362.66	144.81	9.45	PASS
10425.00†	7157.87	1514.24	3819.72	7167.78	7157.87	622.93	4750.24	90.27	1288.53	152.33	8.49	PASS
10525.00†	7157.42	1514.01	3919.72	7167.33	7157.42	622.93	4750.24	90.24	1218.10	160.55	7.62	PASS
10625.00†	7156.97	1513.77	4019.72	7166.88	7156.97	622.93	4750.24	90.21	1152.06	169.46	6.82	PASS
10725.00†	7156.52	1513.53	4119.72	7166.43	7156.52	622.93	4750.24	90.18	1091.20	178.96	6.12	PASS
10825.00†	7156.08	1513.29	4219.72	7165.98	7156.08	622.93	4750.24	90.15	1036.43	188.90	5.50	PASS
10925.00†	7155.63	1513.05	4319.71	7165.53	7155.63	622.93	4750.24	90.13	988.77	198.98	4.98	PASS
11025.00†	7155.18	1512.81	4419.71	7165.09	7155.18	622.93	4750.24	90.10	949.28	208.82	4.56	PASS
11125.00†	7154.73	1512.58	4519.71	7164.64	7154.73	622.93	4750.24	90.07	919.03	217.90	4.23	PASS
11225.00†	7154.28	1512.34	4619.71	7164.19	7154.28	622.93	4750.24	90.04	898.93	225.66	3.99	PASS
11325.00†	7153.83	1512.10	4719.71	7163.74	7153.83	622.93	4750.24	90.01	889.69	231.57	3.85	PASS
11357.71†	7153.68	1512.02	4752.42	7164.09	7154.18	622.93	4750.24	90.03	889.09	233.04	3.82	PASS
11425.00†	7153.38	1511.86	4819.71	7163.29	7153.38	622.93	4750.24	89.98	891.64	235.25	3.80	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
11434.67†	7153.34	1511.84	4829.38	7163.25	7153.34	622.93	4750.24	89.98	892.42	235.49	3.80	PASS
11525.00†	7152.93	1511.62	4919.71	7162.84	7152.93	622.93	4750.24	89.95	904.71	236.57	3.83	PASS
11625.00†	7152.48	1511.38	5019.71	7162.39	7152.48	622.93	4750.24	89.92	928.42	235.65	3.95	PASS
11725.00†	7152.03	1511.15	5119.70	7161.94	7152.03	622.93	4750.24	89.89	961.99	232.83	4.14	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	171.45	303.20	1.56	503.73	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-299.83	45.08	171.45	303.20	1.89	326.58	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-299.83	45.08	171.45	303.20	2.31	225.01	PASS
225.00†	225.00	0.10	0.04	223.34	223.34	-299.91	45.02	152.38	303.37	2.45	204.02	PASS
325.00†	324.96	2.58	0.89	316.53	316.50	-301.66	43.57	152.87	307.34	3.47	122.12	PASS
425.00†	424.77	8.35	2.89	408.96	408.77	-305.72	40.24	153.96	316.68	5.05	77.22	PASS
525.00†	524.30	17.40	6.02	500.05	499.50	-311.96	35.11	155.53	331.57	6.36	61.28	PASS
625.00†	623.44	29.74	10.29	589.24	588.05	-320.23	28.31	157.41	352.21	7.54	53.38	PASS
725.00†	722.07	45.33	15.69	676.04	673.86	-330.32	20.02	159.47	378.76	8.66	49.07	PASS
825.00†	820.05	64.17	22.20	760.00	756.45	-341.98	10.43	161.55	411.28	9.77	46.62	PASS
882.76	876.31	76.52	26.48	807.05	802.52	-349.33	4.39	162.73	432.77	10.33	46.11	PASS
925.00†	917.36	85.95	29.74	840.86	835.53	-354.98	-0.25	163.66	449.46	10.60	46.56	PASS
1025.00†	1014.53	108.26	37.46	924.82	917.19	-370.05	-12.63	165.84	490.68	11.24	47.67	PASS
1125.00†	1111.71	130.57	45.18	1014.04	1003.89	-386.30	-25.99	167.83	532.76	11.83	48.95	PASS
1225.00†	1208.88	152.88	52.90	1103.25	1090.59	-402.54	-39.34	169.54	575.32	12.37	50.36	PASS
1325.00†	1306.05	175.19	60.62	1192.47	1177.30	-418.79	-52.70	171.01	618.25	12.95	51.51	PASS
1425.00†	1403.23	197.50	68.34	1281.69	1264.00	-435.04	-66.05	172.30	661.47	13.63	52.15	PASS
1525.00†	1500.40	219.81	76.06	1370.90	1350.70	-451.28	-79.41	173.44	704.94	14.24	53.01	PASS
1625.00†	1597.57	242.12	83.78	1460.12	1437.40	-467.53	-92.76	174.44	748.61	14.87	53.77	PASS
1725.00†	1694.75	264.43	91.50	1549.33	1524.10	-483.78	-106.11	175.33	792.45	15.50	54.45	PASS
1825.00†	1791.92	286.74	99.21	1638.55	1610.81	-500.03	-119.47	176.14	836.43	15.83	55.44	PASS
1925.00†	1889.10	309.05	106.93	1727.77	1697.51	-516.27	-132.82	176.86	880.54	16.22	56.90	PASS
2025.00†	1986.27	331.36	114.65	1816.98	1784.21	-532.52	-146.18	177.51	924.74	16.43	58.79	PASS
2125.00†	2083.44	353.67	122.37	1906.20	1870.91	-548.77	-159.53	178.11	969.03	16.58	60.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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	27.48	-249.98	-27.76
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.11	-182.78	27.48	-249.98	-27.76
8.5in Open Hole	1750.00	16774.69	15024.69	1719.11	N/A	-249.98	-27.76	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	14356.43	7068.09	3257.64	-292.31	-5.13	7765.49	175.22	44.55	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	862.02	-4955.34	940.92	-4927.52
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1711.62	862.02	-4955.34	940.92	-4927.52
8.5in Open Hole	1763.00	15526.00	13763.00	1711.62	7075.81	940.92	-4927.52	1429.95	-2210.48

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.08	171.98	323.03	1.56	536.78	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-319.87	45.08	171.98	323.03	1.89	347.72	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-319.87	45.08	171.98	323.03	2.31	238.53	PASS
225.00†	225.00	0.10	0.04	225.00	225.00	-319.87	45.08	152.90	323.13	2.46	215.71	PASS
325.00†	324.96	2.58	0.89	323.04	323.04	-319.95	45.02	153.09	325.53	3.33	137.08	PASS
425.00†	424.77	8.35	2.89	414.91	414.88	-321.75	43.75	153.73	332.77	4.68	89.24	PASS
525.00†	524.30	17.40	6.02	505.73	505.55	-325.91	40.83	154.83	345.58	6.03	68.00	PASS
625.00†	623.44	29.74	10.29	594.93	594.41	-332.27	36.35	156.29	364.11	7.25	57.75	PASS
725.00†	722.07	45.33	15.69	682.00	680.87	-340.66	30.44	157.97	388.47	8.38	52.27	PASS
825.00†	820.05	64.17	22.20	766.46	764.40	-350.85	23.26	159.75	418.74	9.44	49.29	PASS
882.76	876.31	76.52	26.48	813.89	811.14	-357.46	18.61	160.78	438.92	9.99	48.52	PASS
925.00†	917.36	85.95	29.74	848.02	844.69	-362.60	14.99	161.62	454.64	10.31	48.56	PASS
1025.00†	1014.53	108.26	37.46	927.37	922.37	-375.82	5.69	163.50	493.79	11.04	48.90	PASS
1125.00†	1111.71	130.57	45.18	1004.66	997.58	-390.38	-4.56	165.21	535.61	11.74	49.59	PASS
1225.00†	1208.88	152.88	52.90	1079.86	1070.27	-406.13	-15.65	166.78	580.00	12.39	50.68	PASS
1325.00†	1306.05	175.19	60.62	1167.14	1154.32	-425.34	-29.18	168.42	625.88	12.98	52.01	PASS
1425.00†	1403.23	197.50	68.34	1254.62	1238.57	-444.60	-42.74	169.84	672.12	13.54	53.35	PASS
1525.00†	1500.40	219.81	76.06	1342.09	1322.81	-463.86	-56.30	171.09	718.65	14.17	54.35	PASS
1625.00†	1597.57	242.12	83.78	1429.57	1407.06	-483.12	-69.86	172.18	765.42	14.78	55.35	PASS
1725.00†	1694.75	264.43	91.50	1517.05	1491.30	-502.38	-83.42	173.15	812.39	15.39	56.24	PASS
1825.00†	1791.92	286.74	99.21	1604.52	1575.55	-521.64	-96.98	174.02	859.52	15.71	57.42	PASS
1925.00†	1889.10	309.05	106.93	1692.00	1659.80	-540.90	-110.54	174.80	906.79	16.10	59.06	PASS
2025.00†	1986.27	331.36	114.65	1779.48	1744.04	-560.15	-124.09	175.50	954.18	16.37	60.89	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	27.48	-266.25	-22.69
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1715.66	-194.99	27.48	-266.25	-22.69
8.5in Open Hole	1750.00	16723.95	14973.95	1715.66	7063.00	-266.25	-22.69	-649.11	2713.94

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1260.63	7027.98	100.17	7140.15	25.57	290.19	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1225.24	9228.16	82.44	11611.34	132.96	87.96	PASS
125.00†	125.00	0.00	0.00	11556.00	6964.96	1225.24	9228.16	82.44	11551.85	133.50	87.15	PASS
200.00	200.00	0.00	0.00	11556.00	6964.96	1225.24	9228.16	82.44	11507.60	133.82	86.61	PASS
225.00†	225.00	0.10	0.04	11556.00	6964.96	1225.24	9228.16	63.68	11492.88	133.93	86.43	PASS
325.00†	324.96	2.58	0.89	11556.00	6964.96	1225.24	9228.16	65.00	11433.59	134.37	85.69	PASS
425.00†	424.77	8.35	2.89	11556.00	6964.96	1225.24	9228.16	66.37	11373.68	134.83	84.95	PASS
525.00†	524.30	17.40	6.02	11556.00	6964.96	1225.24	9228.16	67.77	11313.21	135.30	84.21	PASS
625.00†	623.44	29.74	10.29	11556.00	6964.96	1225.24	9228.16	69.20	11252.25	135.78	83.46	PASS
725.00†	722.07	45.33	15.69	11556.00	6964.96	1225.24	9228.16	70.66	11190.87	136.27	82.70	PASS
825.00†	820.05	64.17	22.20	11556.00	6964.96	1225.24	9228.16	72.15	11129.13	136.78	81.94	PASS
882.76	876.31	76.52	26.48	11556.00	6964.96	1225.24	9228.16	73.02	11093.34	137.08	81.49	PASS
925.00†	917.36	85.95	29.74	11556.00	6964.96	1225.24	9228.16	73.02	11067.18	137.31	81.16	PASS
1025.00†	1014.53	108.26	37.46	11556.00	6964.96	1225.24	9228.16	73.02	11005.64	137.85	80.39	PASS
1125.00†	1111.71	130.57	45.18	11556.00	6964.96	1225.24	9228.16	73.02	10944.68	138.41	79.62	PASS
1225.00†	1208.88	152.88	52.90	11556.00	6964.96	1225.24	9228.16	73.02	10884.29	138.99	78.85	PASS
1325.00†	1306.05	175.19	60.62	11556.00	6964.96	1225.24	9228.16	73.02	10824.49	139.59	78.08	PASS
1425.00†	1403.23	197.50	68.34	11556.00	6964.96	1225.24	9228.16	73.02	10765.29	140.21	77.30	PASS
1525.00†	1500.40	219.81	76.06	11556.00	6964.96	1225.24	9228.16	73.02	10706.69	140.85	76.53	PASS
1625.00†	1597.57	242.12	83.78	11556.00	6964.96	1225.24	9228.16	73.02	10648.71	141.50	75.77	PASS
1725.00†	1694.75	264.43	91.50	11556.00	6964.96	1225.24	9228.16	73.02	10591.36	142.17	75.00	PASS
1825.00†	1791.92	286.74	99.21	11556.00	6964.96	1225.24	9228.16	73.02	10534.64	142.50	74.29	PASS
1925.00†	1889.10	309.05	106.93	11556.00	6964.96	1225.24	9228.16	73.02	10478.58	142.97	73.65	PASS
2025.00†	1986.27	331.36	114.65	11556.00	6964.96	1225.24	9228.16	73.02	10423.17	143.45	73.02	PASS
2125.00†	2083.44	353.67	122.37	11556.00	6964.96	1225.24	9228.16	73.02	10368.42	143.94	72.39	PASS
2225.00†	2180.62	375.98	130.09	11556.00	6964.96	1225.24	9228.16	73.02	10314.36	144.44	71.76	PASS
2325.00†	2277.79	398.29	137.81	11556.00	6964.96	1225.24	9228.16	73.02	10260.99	144.94	71.14	PASS
2425.00†	2374.96	420.60	145.53	11556.00	6964.96	1225.24	9228.16	73.02	10208.31	145.46	70.52	PASS
2525.00†	2472.14	442.91	153.25	11556.00	6964.96	1225.24	9228.16	73.02	10156.35	145.98	69.91	PASS
2625.00†	2569.31	465.22	160.97	11556.00	6964.96	1225.24	9228.16	73.02	10105.11	146.51	69.30	PASS
2725.00†	2666.48	487.53	168.69	11556.00	6964.96	1225.24	9228.16	73.02	10054.61	147.05	68.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	2763.66	509.84	176.41	11556.00	6964.96	1225.24	9228.16	73.02	10004.84	147.59	68.11	PASS
2925.00†	2860.83	532.15	184.13	11556.00	6964.96	1225.24	9228.16	73.02	9955.84	148.15	67.52	PASS
3025.00†	2958.00	554.46	191.85	11556.00	6964.96	1225.24	9228.16	73.02	9907.60	148.71	66.94	PASS
3125.00†	3055.18	576.77	199.57	11556.00	6964.96	1225.24	9228.16	73.02	9860.14	149.27	66.36	PASS
3225.00†	3152.35	599.08	207.29	11556.00	6964.96	1225.24	9228.16	73.02	9813.47	149.85	65.80	PASS
3325.00†	3249.52	621.39	215.01	11556.00	6964.96	1225.24	9228.16	73.02	9767.60	150.42	65.24	PASS
3425.00†	3346.70	643.70	222.73	11556.00	6964.96	1225.24	9228.16	73.02	9722.54	151.01	64.68	PASS
3525.00†	3443.87	666.01	230.45	11556.00	6964.96	1225.24	9228.16	73.02	9678.31	151.60	64.14	PASS
3625.00†	3541.04	688.32	238.17	11556.00	6964.96	1225.24	9228.16	73.02	9634.91	152.19	63.60	PASS
3725.00†	3638.22	710.63	245.88	11556.00	6964.96	1225.24	9228.16	73.02	9592.36	152.79	63.07	PASS
3825.00†	3735.39	732.94	253.60	11556.00	6964.96	1225.24	9228.16	73.02	9550.66	153.39	62.55	PASS
3925.00†	3832.56	755.25	261.32	11556.00	6964.96	1225.24	9228.16	73.02	9509.83	153.99	62.04	PASS
4025.00†	3929.74	777.56	269.04	11556.00	6964.96	1225.24	9228.16	73.02	9469.89	154.60	61.53	PASS
4125.00†	4026.91	799.87	276.76	11556.00	6964.96	1225.24	9228.16	73.02	9430.83	155.21	61.04	PASS
4225.00†	4124.08	822.18	284.48	11556.00	6964.96	1225.24	9228.16	73.02	9392.68	155.82	60.55	PASS
4325.00†	4221.26	844.49	292.20	11556.00	6964.96	1225.24	9228.16	73.02	9355.44	156.43	60.07	PASS
4425.00†	4318.43	866.80	299.92	11556.00	6964.96	1225.24	9228.16	73.02	9319.12	157.05	59.60	PASS
4525.00†	4415.60	889.11	307.64	11556.00	6964.96	1225.24	9228.16	73.02	9283.74	157.66	59.15	PASS
4625.00†	4512.78	911.42	315.36	11556.00	6964.96	1225.24	9228.16	73.02	9249.31	158.27	58.70	PASS
4725.00†	4609.95	933.72	323.08	11556.00	6964.96	1225.24	9228.16	73.02	9215.83	158.89	58.26	PASS
4825.00†	4707.13	956.03	330.80	11556.00	6964.96	1225.24	9228.16	73.02	9183.32	159.50	57.83	PASS
4925.00†	4804.30	978.34	338.52	11556.00	6964.96	1225.24	9228.16	73.02	9151.78	160.10	57.41	PASS
5025.00†	4901.47	1000.65	346.24	11556.00	6964.96	1225.24	9228.16	73.02	9121.23	160.71	57.00	PASS
5125.00†	4998.65	1022.96	353.96	11556.00	6964.96	1225.24	9228.16	73.02	9091.69	161.31	56.60	PASS
5225.00†	5095.82	1045.27	361.68	11556.00	6964.96	1225.24	9228.16	73.02	9063.14	161.91	56.22	PASS
5325.00†	5192.99	1067.58	369.40	11556.00	6964.96	1225.24	9228.16	73.02	9035.62	162.51	55.84	PASS
5425.00†	5290.17	1089.89	377.12	11556.00	6964.96	1225.24	9228.16	73.02	9009.12	163.10	55.47	PASS
5525.00†	5387.34	1112.20	384.84	11556.00	6964.96	1225.24	9228.16	73.02	8983.65	163.68	55.12	PASS
5625.00†	5484.51	1134.51	392.56	11556.00	6964.96	1225.24	9228.16	73.02	8959.23	164.26	54.78	PASS
5725.00†	5581.69	1156.82	400.27	11556.00	6964.96	1225.24	9228.16	73.02	8935.86	164.83	54.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	5678.86	1179.13	407.99	11556.00	6964.96	1225.24	9228.16	73.02	8913.56	165.39	54.12	PASS
5925.00†	5776.03	1201.44	415.71	11556.00	6964.96	1225.24	9228.16	73.02	8892.32	165.95	53.81	PASS
6025.00†	5873.21	1223.75	423.43	11556.00	6964.96	1225.24	9228.16	73.02	8872.15	166.50	53.51	PASS
6125.00†	5970.38	1246.06	431.15	11534.24	6965.02	1247.01	9228.15	72.88	8853.05	166.45	53.41	PASS
6225.00†	6067.55	1268.37	438.87	11511.66	6965.09	1269.58	9228.14	72.73	8834.97	166.37	53.33	PASS
6325.00†	6164.73	1290.68	446.59	11489.08	6965.15	1292.16	9228.13	72.59	8817.94	166.28	53.25	PASS
6425.00†	6261.90	1312.99	454.31	11466.50	6965.21	1314.74	9228.12	72.44	8801.95	166.17	53.19	PASS
6525.00†	6359.07	1335.30	462.03	11443.93	6965.28	1337.32	9228.11	72.30	8787.02	166.06	53.14	PASS
6625.00†	6456.25	1357.61	469.75	11421.35	6965.34	1359.90	9228.10	72.15	8773.13	165.94	53.09	PASS
6725.00†	6553.42	1379.92	477.47	11398.77	6965.40	1382.47	9228.09	72.01	8760.31	165.81	53.06	PASS
6770.11	6597.25	1389.99	480.95	11388.59	6965.43	1392.66	9228.09	71.94	8754.88	165.74	53.04	PASS
6825.00†	6650.35	1402.17	487.54	11376.25	6965.46	1404.99	9228.08	55.10	8746.22	165.69	53.01	PASS
6925.00†	6744.88	1423.86	511.48	11354.32	6965.53	1426.93	9228.07	36.36	8719.38	165.90	52.78	PASS
7025.00†	6834.60	1444.41	550.31	11333.53	6965.58	1447.72	9228.06	26.67	8678.75	166.55	52.33	PASS
7125.00†	6917.30	1463.34	603.05	11314.39	6965.64	1466.85	9228.06	21.15	8625.14	167.07	51.84	PASS
7225.00†	6990.95	1480.16	668.41	11297.39	6965.68	1483.86	9228.05	17.70	8559.68	167.50	51.32	PASS
7325.00†	7053.73	1494.48	744.79	11282.93	6965.72	1498.31	9228.04	15.39	8483.71	167.82	50.76	PASS
7425.00†	7104.09	1505.93	830.30	11271.37	6965.76	1509.87	9228.04	13.74	8398.88	168.04	50.19	PASS
7525.00†	7140.80	1514.24	922.83	11263.00	6965.78	1518.24	9228.03	12.40	8307.04	168.17	49.60	PASS
7625.00†	7162.95	1519.20	1020.12	11258.03	6965.79	1523.22	9228.03	10.71	8210.28	168.24	49.00	PASS
7724.04	7170.00	1520.68	1118.80	11256.56	6965.80	1524.68	9228.03	-7.92	8111.81	168.27	48.41	PASS
7725.00†	7170.00	1520.68	1119.76	11256.56	6965.80	1524.68	9228.03	-7.92	8110.85	168.27	48.40	PASS
7825.00†	7169.55	1520.44	1219.75	11256.85	6965.80	1524.40	9228.03	-7.82	8010.87	168.29	47.80	PASS
7925.00†	7169.10	1520.20	1319.75	11257.13	6965.80	1524.12	9228.03	-7.73	7910.89	168.32	47.19	PASS
8025.00†	7168.65	1519.96	1419.75	11257.41	6965.80	1523.83	9228.03	-7.63	7810.91	168.34	46.59	PASS
8125.00†	7168.20	1519.73	1519.75	11257.69	6965.80	1523.55	9228.03	-7.54	7710.94	168.37	45.99	PASS
8225.00†	7167.75	1519.49	1619.75	11257.97	6965.79	1523.27	9228.03	-7.44	7610.96	168.39	45.38	PASS
8325.00†	7167.30	1519.25	1719.75	11258.26	6965.79	1522.99	9228.03	-7.35	7510.99	168.42	44.78	PASS
8425.00†	7166.85	1519.01	1819.75	11258.54	6965.79	1522.71	9228.03	-7.25	7411.01	168.45	44.18	PASS
8525.00†	7166.40	1518.77	1919.75	11258.82	6965.79	1522.42	9228.03	-7.16	7311.04	168.48	43.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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
8625.00†	7165.95	1518.53	2019.74	11259.10	6965.79	1522.14	9228.03	-7.06	7211.07	168.51	42.97	PASS
8725.00†	7165.51	1518.30	2119.74	11259.38	6965.79	1521.86	9228.03	-6.97	7111.10	168.54	42.36	PASS
8825.00†	7165.06	1518.06	2219.74	11259.67	6965.79	1521.58	9228.03	-6.87	7011.12	168.58	41.76	PASS
8925.00†	7164.61	1517.82	2319.74	11259.95	6965.79	1521.30	9228.03	-6.78	6911.15	168.61	41.16	PASS
9025.00†	7164.16	1517.58	2419.74	11260.23	6965.79	1521.01	9228.03	-6.68	6811.18	168.65	40.55	PASS
9125.00†	7163.71	1517.34	2519.74	11260.51	6965.79	1520.73	9228.03	-6.59	6711.21	168.69	39.95	PASS
9225.00†	7163.26	1517.10	2619.74	11260.79	6965.79	1520.45	9228.03	-6.49	6611.25	168.73	39.34	PASS
9325.00†	7162.81	1516.87	2719.73	11261.08	6965.79	1520.17	9228.03	-6.40	6511.28	168.77	38.74	PASS
9425.00†	7162.36	1516.63	2819.73	11261.36	6965.78	1519.89	9228.03	-6.30	6411.31	168.81	38.14	PASS
9525.00†	7161.91	1516.39	2919.73	11261.64	6965.78	1519.61	9228.03	-6.21	6311.35	168.85	37.53	PASS
9625.00†	7161.46	1516.15	3019.73	11261.92	6965.78	1519.32	9228.03	-6.11	6211.39	168.90	36.93	PASS
9725.00†	7161.01	1515.91	3119.73	11262.20	6965.78	1519.04	9228.03	-6.02	6111.42	168.94	36.32	PASS
9825.00†	7160.57	1515.67	3219.73	11262.48	6965.78	1518.76	9228.03	-5.92	6011.46	168.99	35.72	PASS
9925.00†	7160.12	1515.44	3319.73	11262.77	6965.78	1518.48	9228.03	-5.83	5911.50	169.04	35.11	PASS
10025.00†	7159.67	1515.20	3419.73	11263.05	6965.78	1518.20	9228.03	-5.73	5811.54	169.09	34.51	PASS
10125.00†	7159.22	1514.96	3519.72	11263.33	6965.78	1517.91	9228.03	-5.64	5711.59	169.14	33.91	PASS
10225.00†	7158.77	1514.72	3619.72	11263.61	6965.78	1517.63	9228.03	-5.54	5611.63	169.19	33.30	PASS
10325.00†	7158.32	1514.48	3719.72	11263.89	6965.78	1517.35	9228.03	-5.45	5511.68	169.24	32.70	PASS
10425.00†	7157.87	1514.24	3819.72	11264.18	6965.78	1517.07	9228.03	-5.35	5411.72	169.30	32.10	PASS
10525.00†	7157.42	1514.01	3919.72	11264.46	6965.78	1516.79	9228.03	-5.26	5311.77	169.35	31.49	PASS
10625.00†	7156.97	1513.77	4019.72	11264.74	6965.78	1516.50	9228.03	-5.16	5211.82	169.41	30.89	PASS
10725.00†	7156.52	1513.53	4119.72	11265.02	6965.77	1516.22	9228.03	-5.06	5111.88	169.47	30.29	PASS
10825.00†	7156.08	1513.29	4219.72	11265.30	6965.77	1515.94	9228.03	-4.97	5011.93	169.53	29.68	PASS
10925.00†	7155.63	1513.05	4319.71	11265.59	6965.77	1515.66	9228.03	-4.87	4911.99	169.59	29.08	PASS
11025.00†	7155.18	1512.81	4419.71	11265.87	6965.77	1515.38	9228.03	-4.78	4812.05	169.65	28.48	PASS
11125.00†	7154.73	1512.58	4519.71	11266.15	6965.77	1515.09	9228.03	-4.68	4712.11	169.72	27.88	PASS
11225.00†	7154.28	1512.34	4619.71	11266.43	6965.77	1514.81	9228.03	-4.59	4612.18	169.78	27.27	PASS
11325.00†	7153.83	1512.10	4719.71	11266.71	6965.77	1514.53	9228.03	-4.49	4512.25	169.85	26.67	PASS
11425.00†	7153.38	1511.86	4819.71	11267.00	6965.77	1514.25	9228.04	-4.39	4412.32	169.92	26.07	PASS
11525.00†	7152.93	1511.62	4919.71	11267.28	6965.77	1513.97	9228.04	-4.30	4312.39	169.99	25.47	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7152.48	1511.38	5019.71	11267.56	6965.77	1513.69	9228.04	-4.20	4212.47	170.06	24.87	PASS
11725.00†	7152.03	1511.15	5119.70	11267.84	6965.77	1513.40	9228.04	-4.11	4112.55	170.13	24.27	PASS
11825.00†	7151.58	1510.91	5219.70	11268.12	6965.77	1513.12	9228.04	-4.01	4012.64	170.20	23.67	PASS
11925.00†	7151.14	1510.67	5319.70	11268.40	6965.77	1512.84	9228.04	-3.92	3912.73	170.28	23.07	PASS
12025.00†	7150.69	1510.43	5419.70	11268.69	6965.76	1512.56	9228.04	-3.82	3812.82	170.36	22.47	PASS
12125.00†	7150.24	1510.19	5519.70	11268.97	6965.76	1512.28	9228.04	-3.72	3712.92	170.43	21.87	PASS
12225.00†	7149.79	1509.95	5619.70	11269.25	6965.76	1511.99	9228.04	-3.63	3613.03	170.51	21.27	PASS
12325.00†	7149.34	1509.72	5719.70	11269.53	6965.76	1511.71	9228.04	-3.53	3513.14	170.60	20.68	PASS
12425.00†	7148.89	1509.48	5819.69	11269.81	6965.76	1511.43	9228.04	-3.44	3413.26	170.68	20.08	PASS
12525.00†	7148.44	1509.24	5919.69	11270.10	6965.76	1511.15	9228.04	-3.34	3313.38	170.76	19.48	PASS
12625.00†	7147.99	1509.00	6019.69	11270.38	6965.76	1510.87	9228.04	-3.24	3213.52	170.85	18.88	PASS
12725.00†	7147.54	1508.76	6119.69	11270.66	6965.76	1510.58	9228.04	-3.15	3113.66	170.94	18.29	PASS
12825.00†	7147.09	1508.52	6219.69	11270.94	6965.76	1510.30	9228.04	-3.05	3013.81	171.03	17.69	PASS
12925.00†	7146.65	1508.28	6319.69	11271.22	6965.76	1510.02	9228.04	-2.96	2913.97	171.13	17.09	PASS
13025.00†	7146.20	1508.05	6419.69	11271.51	6965.76	1509.74	9228.04	-2.86	2814.14	171.22	16.50	PASS
13125.00†	7145.75	1507.81	6519.69	11271.79	6965.76	1509.46	9228.04	-2.76	2714.33	171.32	15.90	PASS
13225.00†	7145.30	1507.57	6619.68	11272.07	6965.76	1509.17	9228.04	-2.67	2614.53	171.42	15.31	PASS
13325.00†	7144.85	1507.33	6719.68	11272.35	6965.75	1508.89	9228.04	-2.57	2514.74	171.53	14.72	PASS
13425.00†	7144.40	1507.09	6819.68	11272.63	6965.75	1508.61	9228.04	-2.48	2414.97	171.64	14.12	PASS
13525.00†	7143.95	1506.85	6919.68	11272.92	6965.75	1508.33	9228.04	-2.38	2315.23	171.75	13.53	PASS
13625.00†	7143.50	1506.62	7019.68	11273.20	6965.75	1508.05	9228.04	-2.28	2215.50	171.87	12.94	PASS
13725.00†	7143.05	1506.38	7119.68	11273.48	6965.75	1507.77	9228.04	-2.19	2115.80	171.99	12.35	PASS
13825.00†	7142.60	1506.14	7219.68	11273.76	6965.75	1507.48	9228.04	-2.09	2016.13	172.11	11.76	PASS
13925.00†	7142.15	1505.90	7319.68	11274.04	6965.75	1507.20	9228.04	-2.00	1916.50	172.25	11.17	PASS
14025.00†	7141.71	1505.66	7419.67	11274.32	6965.75	1506.92	9228.04	-1.90	1816.90	172.39	10.58	PASS
14125.00†	7141.26	1505.42	7519.67	11274.61	6965.75	1506.64	9228.04	-1.80	1717.36	172.54	9.99	PASS
14225.00†	7140.81	1505.19	7619.67	11274.89	6965.75	1506.36	9228.04	-1.71	1617.87	172.70	9.40	PASS
14325.00†	7140.36	1504.95	7719.67	11275.17	6965.75	1506.07	9228.04	-1.61	1518.44	172.87	8.82	PASS
14425.00†	7139.91	1504.71	7819.67	11275.45	6965.75	1505.79	9228.04	-1.52	1419.10	173.05	8.23	PASS
14525.00†	7139.46	1504.47	7919.67	11275.73	6965.74	1505.51	9228.04	-1.42	1319.85	173.26	7.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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†	7139.01	1504.23	8019.67	11276.02	6965.74	1505.23	9228.04	-1.32	1220.73	173.49	7.06	PASS
14725.00†	7138.56	1503.99	8119.67	11276.30	6965.74	1504.95	9228.04	-1.23	1121.77	173.75	6.48	PASS
14825.00†	7138.11	1503.76	8219.66	11276.58	6965.74	1504.66	9228.04	-1.13	1023.00	174.06	5.90	PASS
14925.00†	7137.66	1503.52	8319.66	11276.86	6965.74	1504.38	9228.04	-1.03	924.50	174.42	5.32	PASS
15025.00†	7137.22	1503.28	8419.66	11277.14	6965.74	1504.10	9228.04	-0.94	826.37	174.85	4.74	PASS
15072.98	7137.00	1503.17	8467.64	11277.28	6965.74	1503.96	9228.04	-0.89	779.45	175.10	4.47	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	ISCWSA 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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-550.73	2431.17	102.76	2492.77	25.57	101.29	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	4292.87	106.14	4469.11	52.13	87.32	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2110.12	2017.71	-4276.96	260.09	176.52	4725.57	48.75	98.77	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	338.51	-2798.78	274.64
9.625in Casing Surface	20.00	1808.00	1788.00	37.00	1746.55	-2903.54	338.51	-2792.75	270.92
8.5in Open Hole	1761.00	14690.00	12929.00	1705.71	6970.76	-2798.78	274.64	-2054.29	2082.75

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2290.95	8083.24	105.82	8401.62	25.57	341.46	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1039.94	3176.98	108.13	3342.85	25.57	135.84	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	5.66	19.66	3928.08	8529.13	65.27	9390.20	50.17	190.82	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	2395.46	5198.94	2395.54	5199.30
9.625in Casing Surface	0.00	314.00	314.00	-11.00	302.99	2395.46	5198.94	2395.54	5199.30
7.875in Open Hole	314.00	7250.00	6936.00	302.99	7238.38	2395.54	5199.30	2377.64	5192.41
4.5in Casing Production	0.00	7250.00	7250.00	-11.00	7238.38	2395.46	5198.94	2377.64	5192.41

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2044.83	1974.69	-4361.21	292.36	176.17	4786.12	48.69	100.15	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	338.51	-2819.53	276.88
9.625in Casing Surface	20.00	1813.00	1793.00	37.00	1761.32	-2915.76	338.51	-2814.32	273.25
8.5in Open Hole	1766.00	14766.00	13000.00	1719.19	N/A	-2819.53	276.88	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-323 AWB Offset Wellpath: EX. KINDSFATER 24E-323 AWP

Facility: SEC.24-T06N-R66W Slot: SLOT#04 EX. KINDSFATER 24E-323 (370'FNL & 1479'FWL, XX) Well: EX. KINDSFATER 24E-323 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	45.00	25.00	5659.33	10461.96	61.59	11894.56	50.18	241.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KINDSFATER 24E-323 AWB Offset Wellpath: EX. KINDSFATER 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. KINDSFATER 24E-323 AWB Offset Wellpath: EX. KINDSFATER 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. KINDSFATER 24E-323 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KINDSFATER 24E-323 AWB Offset Wellpath: EX. KINDSFATER 24E-323 AWP

MD Reference: Rig on SLOT#04 EX. KINDSFATER 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	3949.93	4313.66	47.52	5848.90	50.56	117.91	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	2408.11	2629.40	2408.11	2629.40
9.625in Casing Surface	0.00	511.00	511.00	-17.00	494.00	2408.11	2629.40	2408.11	2629.40
7.875in Open Hole	511.00	7263.00	6752.00	494.00	7246.00	2408.11	2629.40	2408.11	2629.40
4.5in Casing Production	0.00	7263.00	7263.00	-17.00	7246.00	2408.11	2629.40	2408.11	2629.40

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. CROISSANT 27-4G6 AWB Offset Wellpath: EX. CROISSANT 27-4G6 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#10 EX. CROISSANT 27-4G6 (661'FNL & 670'FWL, SI/CODL) Well: EX. CROISSANT 27-4G6 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	30.00	25.00	-80.85	-1136.96	-94.07	1139.83	50.23	23.12	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	2883.00	9888.07	73.75	10299.78	50.17	209.31	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1217.93	11215.10	83.80	11281.03	25.57	458.51	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDFSATER 24J-243 AWB Offset Wellpath: EX. KINDFSATER 24J-243 AWP

Facility: SEC.24-T06N-R66W Slot: SLOT#05 EX. KINDSFATER 24J-243 (370'FNL & 1509'FWL, XX) Well: EX. KINDSFATER 24J-243 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	45.00	25.00	5659.34	10492.56	61.66	11921.49	50.19	242.14	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	8.33	19.33	4018.67	6948.86	59.96	8027.23	50.13	163.12	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	2450.37	4235.68	2450.79	4235.94
8.625in Casing Surface	0.00	416.00	416.00	-14.00	401.99	2450.37	4235.68	2450.79	4235.94
7.875in Open Hole	416.00	7256.00	6840.00	401.99	7241.24	2450.79	4235.94	2448.93	4238.93
4.5in Casing Production	0.00	7256.00	7256.00	-14.00	7241.24	2450.37	4235.68	2448.93	4238.93

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	279.68	167.05	1247.87	25.57	50.68	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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

Facility: SEC.25-T06N-R66W Slot: SLOT#01 EX. KISSLER AMEN 1-25 (1980'FNL & 660'FWL, PR/CODL) Well: EX.KISSLER AMEN 1-25 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	-12.00	25.00	-1241.15	9671.82	97.31	9751.13	25.57	396.32	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2710.18	7220.69	110.57	7712.55	25.57	313.46	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	-1651.48	4401.97	-1651.48	4401.97
7in Casing Surface	0.00	481.00	481.00	26.00	507.00	-1651.48	4401.97	-1651.48	4401.97
6.25in Open Hole	481.00	7260.00	6779.00	507.00	7286.00	-1651.48	4401.97	-1651.48	4401.97
2.875in Casing Production	0.00	7260.00	7260.00	26.00	7286.00	-1651.48	4401.97	-1651.48	4401.97

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	4299.83	9964.85	66.66	10852.96	50.17	220.55	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	17.85	24.85	4083.95	5805.40	54.88	7097.98	50.13	144.24	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	2489.99	3538.68	2490.35	3538.53
8.625in Casing Surface	0.00	311.00	311.00	-18.00	293.00	2489.99	3538.68	2490.35	3538.53
7.875in Open Hole	311.00	7300.00	6989.00	293.00	7281.00	2490.35	3538.53	2474.02	3528.33
4.5in Casing Production	0.00	7300.00	7300.00	-18.00	7281.00	2489.99	3538.68	2474.02	3528.33

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1061.04	-140.17	1656.57	25.57	67.30	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	46.04	-2551.04	-88.97	2551.46	50.18	51.82	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	5610.22	103.68	5773.93	25.57	234.66	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	-831.83	3420.09	-832.09	3419.97
8.625in Casing Surface	0.00	481.00	481.00	26.00	507.00	-831.83	3420.09	-832.09	3419.97
7.875in Open Hole	481.00	7259.00	6778.00	507.00	7283.42	-832.09	3419.97	-816.73	3414.52
4.5in Casing Production	0.00	7259.00	7259.00	26.00	7283.42	-831.83	3420.09	-816.73	3414.52

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2204.71	-115.39	2440.35	25.57	99.15	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



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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2714.11	9642.09	105.72	10016.80	25.57	407.12	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280'MD,PA) Well: ARNBRECHT #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	-7.00	25.00	-2560.24	2937.29	131.08	3896.47	25.57	158.34	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	1790.67	-1560.61	1790.67
8.625in Casing Surface	0.00	434.00	434.00	7.00	441.00	-1560.61	1790.67	-1560.61	1790.67
7.875in Open Hole	434.00	7280.00	6846.00	441.00	7287.00	-1560.61	1790.67	-1560.61	1790.67
4.5in Casing Production	0.00	7280.00	7280.00	7.00	7287.00	-1560.61	1790.67	-1560.61	1790.67

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-579.78	-3192.50	-100.29	3244.72	50.20	65.89	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	16.39	28.39	3858.30	3003.01	37.90	4889.23	50.13	99.35	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	1830.50	2351.97	1830.27
8.625in Casing Surface	0.00	472.00	472.00	-13.00	459.00	2352.13	1830.50	2351.97	1830.27
7.875in Open Hole	472.00	7293.00	6821.00	459.00	7279.53	2351.97	1830.27	2342.69	1823.54
4.5in Casing Production	0.00	7293.00	7293.00	-13.00	7279.53	2352.13	1830.50	2342.69	1823.54

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#25 TROUDT 28N-29B-L (2062'FNL & 1688'FWL, SEC.27) Well: TROUDT 28N-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	-1301.34	-27.55	-178.79	1301.63	1.26	4335.55	PASS
125.00†	125.00	0.00	0.00	120.00	125.00	-1301.34	-27.55	-178.79	1301.63	1.89	1409.80	PASS
200.00	200.00	0.00	0.00	195.00	200.00	-1301.34	-27.55	-178.79	1301.63	2.30	972.25	PASS
225.00†	225.00	0.10	0.04	236.60	241.60	-1301.10	-27.53	162.13	1301.60	2.54	826.96	PASS
325.00†	324.96	2.58	0.89	419.45	424.24	-1292.96	-26.86	162.18	1299.64	4.70	347.21	PASS
425.00†	424.77	8.35	2.89	601.71	605.39	-1273.31	-25.25	162.31	1294.63	6.95	216.10	PASS
525.00†	524.30	17.40	6.02	782.84	783.83	-1242.45	-22.71	162.52	1286.63	8.80	164.14	PASS
625.00†	623.44	29.74	10.29	962.38	958.41	-1200.83	-19.29	162.79	1275.69	10.20	138.04	PASS
725.00†	722.07	45.33	15.69	1113.86	1103.50	-1157.48	-15.73	163.11	1262.23	11.38	121.10	PASS
825.00†	820.05	64.17	22.20	1213.10	1198.08	-1127.55	-13.28	163.37	1250.74	12.11	112.11	PASS
882.76	876.31	76.52	26.48	1270.55	1252.84	-1110.22	-11.85	163.54	1245.63	12.57	107.22	PASS
925.00†	917.36	85.95	29.74	1312.60	1292.92	-1097.54	-10.81	163.65	1242.31	12.81	104.76	PASS
1025.00†	1014.53	108.26	37.46	1412.13	1387.79	-1067.52	-8.35	163.91	1234.45	13.38	99.30	PASS
1125.00†	1111.71	130.57	45.18	1511.67	1482.66	-1037.50	-5.88	164.16	1226.61	13.99	94.06	PASS
1225.00†	1208.88	152.88	52.90	1611.21	1577.53	-1007.48	-3.41	164.43	1218.81	14.64	89.08	PASS
1325.00†	1306.05	175.19	60.62	1710.74	1672.40	-977.45	-0.95	164.69	1211.02	15.30	84.39	PASS
1425.00†	1403.23	197.50	68.34	1810.28	1767.27	-947.43	1.52	164.96	1203.27	15.80	80.81	PASS
1525.00†	1500.40	219.81	76.06	1909.82	1862.14	-917.41	3.98	165.24	1195.54	16.21	78.14	PASS
1625.00†	1597.57	242.12	83.78	2009.36	1957.01	-887.39	6.45	165.51	1187.84	16.64	75.48	PASS
1725.00†	1694.75	264.43	91.50	2108.89	2051.88	-857.37	8.91	165.79	1180.17	17.13	72.74	PASS
1825.00†	1791.92	286.74	99.21	2208.43	2146.75	-827.35	11.38	166.08	1172.52	17.27	70.75	PASS
1925.00†	1889.10	309.05	106.93	2307.97	2241.62	-797.33	13.84	166.37	1164.91	17.52	69.24	PASS
2025.00†	1986.27	331.36	114.65	2407.50	2336.49	-767.31	16.31	166.66	1157.32	17.85	67.46	PASS
2125.00†	2083.44	353.67	122.37	2507.04	2431.36	-737.29	18.78	166.95	1149.77	18.26	65.46	PASS
2225.00†	2180.62	375.98	130.09	2606.58	2526.23	-707.27	21.24	167.25	1142.24	18.74	63.31	PASS
2325.00†	2277.79	398.29	137.81	2706.12	2621.10	-677.25	23.71	167.56	1134.75	19.28	61.06	PASS
2425.00†	2374.96	420.60	145.53	2805.65	2715.97	-647.23	26.17	167.86	1127.29	19.89	58.75	PASS
2525.00†	2472.14	442.91	153.25	2905.19	2810.84	-617.21	28.64	168.17	1119.86	20.54	56.42	PASS
2625.00†	2569.31	465.22	160.97	3004.73	2905.71	-587.19	31.10	168.49	1112.47	21.25	54.12	PASS
2725.00†	2666.48	487.53	168.69	3104.26	3000.58	-557.17	33.57	168.81	1105.11	22.01	51.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#25 TROUDT 28N-29B-L (2062'FNL & 1688'FWL, SEC.27) Well: TROUDT 28N-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
2825.00†	2763.66	509.84	176.41	3203.80	3095.45	-527.15	36.03	169.13	1097.78	22.80	49.66	PASS
2925.00†	2860.83	532.15	184.13	3303.34	3190.32	-497.13	38.50	169.46	1090.49	23.63	47.54	PASS
3025.00†	2958.00	554.46	191.85	3402.87	3285.19	-467.11	40.97	169.79	1083.24	24.49	45.52	PASS
3125.00†	3055.18	576.77	199.57	3502.41	3380.06	-437.08	43.43	170.13	1076.02	25.38	43.58	PASS
3225.00†	3152.35	599.08	207.29	3601.95	3474.93	-407.06	45.90	170.47	1068.84	26.30	41.73	PASS
3325.00†	3249.52	621.39	215.01	3701.49	3569.80	-377.04	48.36	170.82	1061.70	27.24	39.99	PASS
3425.00†	3346.70	643.70	222.73	3801.02	3664.67	-347.02	50.83	171.17	1054.60	28.20	38.33	PASS
3525.00†	3443.87	666.01	230.45	3900.56	3759.54	-317.00	53.29	171.52	1047.54	29.19	36.76	PASS
3625.00†	3541.04	688.32	238.17	4000.10	3854.41	-286.98	55.76	171.88	1040.52	30.18	35.28	PASS
3725.00†	3638.22	710.63	245.88	4099.63	3949.28	-256.96	58.22	172.25	1033.54	31.20	33.88	PASS
3825.00†	3735.39	732.94	253.60	4199.17	4044.15	-226.94	60.69	172.62	1026.60	32.22	32.55	PASS
3925.00†	3832.56	755.25	261.32	4298.71	4139.02	-196.92	63.16	172.99	1019.71	33.26	31.30	PASS
4025.00†	3929.74	777.56	269.04	4398.25	4233.89	-166.90	65.62	173.38	1012.86	34.31	30.12	PASS
4125.00†	4026.91	799.87	276.76	4497.78	4328.76	-136.88	68.09	173.76	1006.05	35.38	29.00	PASS
4225.00†	4124.08	822.18	284.48	4597.32	4423.63	-106.86	70.55	174.15	999.30	36.45	27.94	PASS
4325.00†	4221.26	844.49	292.20	4696.86	4518.50	-76.84	73.02	174.55	992.59	37.53	26.94	PASS
4425.00†	4318.43	866.80	299.92	4796.39	4613.37	-46.82	75.48	174.95	985.92	38.61	25.99	PASS
4525.00†	4415.60	889.11	307.64	4895.93	4708.24	-16.80	77.95	175.35	979.31	39.71	25.09	PASS
4625.00†	4512.78	911.42	315.36	4995.47	4803.11	13.22	80.41	175.77	972.75	40.81	24.24	PASS
4725.00†	4609.95	933.72	323.08	5095.01	4897.98	43.24	82.88	176.18	966.23	41.91	23.43	PASS
4825.00†	4707.13	956.03	330.80	5194.54	4992.85	73.27	85.35	176.61	959.77	43.03	22.66	PASS
4925.00†	4804.30	978.34	338.52	5294.08	5087.72	103.29	87.81	177.04	953.37	44.14	21.93	PASS
5025.00†	4901.47	1000.65	346.24	5393.62	5182.59	133.31	90.28	177.47	947.01	45.27	21.24	PASS
5125.00†	4998.65	1022.96	353.96	5493.15	5277.46	163.33	92.74	177.91	940.72	46.39	20.58	PASS
5225.00†	5095.82	1045.27	361.68	5592.69	5372.33	193.35	95.21	178.36	934.47	47.52	19.95	PASS
5325.00†	5192.99	1067.58	369.40	5692.23	5467.20	223.37	97.67	178.81	928.29	48.66	19.34	PASS
5425.00†	5290.17	1089.89	377.12	5791.77	5562.07	253.39	100.14	179.27	922.17	49.80	18.77	PASS
5525.00†	5387.34	1112.20	384.84	5891.30	5656.94	283.41	102.60	179.73	916.10	50.94	18.22	PASS
5625.00†	5484.51	1134.51	392.56	5990.84	5751.81	313.43	105.07	-179.80	910.10	52.08	17.70	PASS
5725.00†	5581.69	1156.82	400.27	6090.38	5846.68	343.45	107.54	-179.32	904.15	53.23	17.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#25 TROUDT 28N-29B-L (2062'FNL & 1688'FWL, SEC.27) Well: TROUDT 28N-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
5825.00†	5678.86	1179.13	407.99	6189.91	5941.55	373.47	110.00	-178.84	898.28	54.38	16.72	PASS
5925.00†	5776.03	1201.44	415.71	6289.45	6036.42	403.49	112.47	-178.35	892.46	55.53	16.27	PASS
6025.00†	5873.21	1223.75	423.43	6388.99	6131.29	433.51	114.93	-177.86	886.71	56.69	15.83	PASS
6125.00†	5970.38	1246.06	431.15	6488.53	6226.16	463.53	117.40	-177.35	881.03	57.84	15.41	PASS
6225.00†	6067.55	1268.37	438.87	6588.06	6321.03	493.55	119.86	-176.85	875.42	59.00	15.01	PASS
6325.00†	6164.73	1290.68	446.59	6661.32	6390.86	515.62	119.77	-176.35	871.02	60.06	14.66	PASS
6382.50†	6220.60	1303.51	451.03	6697.50	6425.25	526.44	116.84	-175.93	870.29	60.62	14.51	PASS
6425.00†	6261.90	1312.99	454.31	6724.70	6450.98	534.51	113.29	-175.54	870.68	61.03	14.42	PASS
6525.00†	6359.07	1335.30	462.03	6785.28	6507.63	552.21	101.27	-174.42	874.90	62.07	14.25	PASS
6625.00†	6456.25	1357.61	469.75	6842.23	6559.70	568.38	84.88	-173.09	884.14	63.04	14.17	PASS
6725.00†	6553.42	1379.92	477.47	6895.05	6606.58	582.87	65.38	-171.63	898.85	63.83	14.23	PASS
6770.11	6597.25	1389.99	480.95	6917.46	6625.98	588.84	55.89	-170.95	907.38	64.13	14.30	PASS
6825.00†	6650.35	1402.17	487.54	6942.79	6647.52	595.45	44.31	172.07	920.47	64.44	14.43	PASS
6925.00†	6744.88	1423.86	511.48	6981.20	6679.30	605.17	25.06	152.14	954.54	64.85	14.87	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	-16.79	-690.97	-8.39
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1709.81	-793.29	-16.79	-690.97	-8.39
8.5in Open Hole	1750.00	16627.98	14877.98	1709.81	6904.00	-690.97	-8.39	-239.51	-2908.32



Clearance Report

TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	25.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1252.28	-3688.45	-108.75	3895.24	50.20	79.10	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2939.45	5343.70	118.81	6098.81	25.57	247.86	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	-1791.54	3257.71	-1791.90	3257.59
8.625in Casing Surface	0.00	253.00	253.00	22.00	275.00	-1791.54	3257.71	-1791.90	3257.59
7.875in Open Hole	253.00	7700.00	7447.00	275.00	7721.30	-1791.90	3257.59	-1790.46	3239.84
5.5in Casing Intermediate	0.00	7700.00	7700.00	22.00	7721.30	-1791.54	3257.71	-1790.46	3239.84

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	4479.23	117.99	5072.63	25.57	206.15	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	2730.67	-1451.23	2730.33
8.625in Casing Surface	0.00	325.00	325.00	9.00	334.00	-1451.06	2730.67	-1451.23	2730.33
7.875in Open Hole	325.00	7302.00	6977.00	334.00	7308.65	-1451.23	2730.33	-1420.95	2701.12
4.5in Casing Production	0.00	7302.00	7302.00	9.00	7308.65	-1451.06	2730.67	-1420.95	2701.12

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP

Facility: SEC.28-T06N-R66W Slot: SLOT#06 EX. SWANSON 28-21 (658'FNL & 1985'FWL, PR/CODL) Well: EX. SWANSON 28-21 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	3.00	25.00	48.24	-5025.01	-89.45	5025.24	50.17	102.10	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-3870.92	-122.05	4566.79	25.57	185.59	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1129.62	-4887.23	-103.02	5016.08	25.57	203.85	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#26 TROUDT 28C-29-L (2082'FNL & 1689'FWL, SEC.27) Well: TROUDT 28C-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	-1321.37	-27.55	-178.81	1321.66	1.26	4402.33	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	-16.79	-719.09	-8.98
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1721.00	-805.51	-16.79	-719.09	-8.98
8.5in Open Hole	1750.00	16743.37	14993.37	1721.00	7091.00	-719.09	-8.98	-303.70	-2908.68

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-127.39	-6484.78	-91.13	6486.03	50.16	131.70	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	-77.14	-3953.13	-77.14	-3953.13
8.625in Casing Surface	0.00	369.00	369.00	-7.00	362.00	-77.14	-3953.13	-77.14	-3953.13
7.875in Open Hole	369.00	7230.00	6861.00	362.00	7223.00	-77.14	-3953.13	-77.14	-3953.13
4.5in Casing Production	0.00	7230.00	7230.00	-7.00	7223.00	-77.14	-3953.13	-77.14	-3953.13

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	11.07	25.07	2733.10	206.72	4.33	2740.91	50.13	55.69	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

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	126.01	1666.00	125.52
8.625in Casing Surface	0.00	532.00	532.00	-11.00	521.00	1666.10	126.01	1666.00	125.52
7.875in Open Hole	532.00	7235.00	6703.00	521.00	7223.32	1666.00	125.52	1666.68	102.58
4.5in Casing Production	0.00	7235.00	7235.00	-11.00	7223.32	1666.10	126.01	1666.68	102.58

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: SWANSON #1 AWB Offset Wellpath: SWANSON #1 AWP

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX SWANSON #1 (1980'FNL & 660'FWL, SEC.28, PA, 8971') Well: SWANSON #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	4.00	25.00	-1303.07	-6351.80	-101.59	6484.08	50.19	131.70	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	-793.85	-3872.16	-793.85	-3872.16
9.625in Casing Surface	0.00	213.00	213.00	-4.00	209.00	-793.85	-3872.16	-793.85	-3872.16
7.875in Open Hole	213.00	7798.00	7585.00	209.00	7794.00	-793.85	-3872.16	-793.85	-3872.16
5.5in Casing Production	0.00	7798.00	7798.00	-4.00	7794.00	-793.85	-3872.16	-793.85	-3872.16

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1107.38	-6535.68	-99.62	6628.84	50.22	134.55	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-5027.22	-117.36	5660.59	50.17	115.02	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



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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	96.98	-7571.03	-89.27	7571.65	50.15	153.80	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	59.83	-4615.29	59.83	-4615.29
8.625in Casing Surface	0.00	366.00	366.00	-4.00	362.00	59.83	-4615.29	59.83	-4615.29
6.25in Open Hole	366.00	7223.00	6857.00	362.00	7219.00	59.83	-4615.29	59.83	-4615.29
4.5in Casing Production	0.00	7223.00	7223.00	-4.00	7219.00	59.83	-4615.29	59.83	-4615.29

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP

Facility: SEC.22-T06N-R66W Slot: SLOT#05 EX:INTERMILL #1-22 (1982'FNL & 1974'FEL SEC.22,PA,7295'MD) Well: INTERMILL #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	24.02	28.02	4042.50	1657.58	22.30	4369.14	50.13	88.78	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	1010.38	2464.05	1010.34
8.625in Casing Surface	0.00	411.00	411.00	-21.00	390.00	2464.35	1010.38	2464.05	1010.34
7.875in Open Hole	411.00	7284.00	6873.00	390.00	7261.80	2464.05	1010.34	2464.15	988.97
4.5in Casing Production	0.00	7284.00	7284.00	-21.00	7261.80	2464.35	1010.38	2464.15	988.97

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: INTERMILL #1-22 AWB Offset Wellpath: INTERMILL #1-22 AWP	
MD Reference: Rig on SLOT#05 EX:INTERMILL #1-22 (1982'FNL & 1974'FEL SEC.22,PA,7295'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.82	1341.69	1.26	4469.10	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	-16.79	-731.92	-8.00
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1724.70	-817.72	-16.79	-731.92	-8.00
8.5in Open Hole	1750.00	16573.07	14823.07	1724.70	6975.00	-731.92	-8.00	-376.43	-2909.05

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1516.49	-7869.83	-100.91	8014.61	50.16	162.74	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	-923.68	-4797.60	-923.68	-4797.60
8.625in Casing Surface	0.00	322.00	322.00	-7.00	315.00	-923.68	-4797.60	-923.68	-4797.60
7.875in Open Hole	322.00	7250.00	6928.00	315.00	N/A	-923.68	-4797.60	N/A	N/A
3.5in Casing Production	0.00	7250.00	7250.00	-7.00	N/A	-923.68	-4797.60	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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

Facility: SEC.27-T06N-R66W Slot: SLOT#02 EX. FEIT BROTHERS 2-27 (1980'FNL & 1980'FEL, AB/NB-CD) Well: EX. FEIT BROTHERS 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	-10.00	25.00	-1268.09	1696.30	126.78	2117.90	25.57	86.05	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	4.01	25.01	1434.70	-1055.36	-36.34	1781.05	50.13	36.18	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	-643.33	874.50	-643.46
8.625in Casing Surface	0.00	516.00	516.00	-4.00	512.00	874.61	-643.33	874.50	-643.46
7.875in Open Hole	516.00	7705.00	7189.00	512.00	7699.83	874.50	-643.46	866.98	-668.90
4.5in Casing Production	0.00	7705.00	7705.00	-4.00	7699.83	874.61	-643.33	866.98	-668.90

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1302.24	-8981.62	-81.75	9075.53	50.19	184.18	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	794.84	-5475.05	794.84	-5475.05
8.625in Casing Surface	0.00	1504.00	1504.00	-12.00	1492.00	794.84	-5475.05	794.84	-5475.05
7.875in Open Hole	1504.00	7560.00	6056.00	1492.00	7548.00	794.84	-5475.05	794.84	-5475.05
5.5in Casing Production	0.00	7560.00	7560.00	-12.00	7548.00	794.84	-5475.05	794.84	-5475.05

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2882.35	-8820.34	-108.10	9279.35	50.09	188.47	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	-1756.12	-5377.19	-1756.12	-5377.19
7in Casing Surface	0.00	442.00	442.00	-5.00	437.00	-1756.12	-5377.19	-1756.12	-5377.19
6.25in Open Hole	442.00	7173.00	6731.00	437.00	7168.00	-1756.12	-5377.19	-1756.12	-5377.19
2.875in Casing Production	0.00	7173.00	7173.00	-5.00	7168.00	-1756.12	-5377.19	-1756.12	-5377.19

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.84	1361.36	1.26	4534.67	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	-16.79	-754.39	-7.91
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1731.14	-829.72	-16.79	-754.39	-7.91
8.5in Open Hole	1750.00	16463.67	14713.67	1731.14	6904.00	-754.39	-7.91	-449.72	-2909.50

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2862.97	-6723.16	-113.07	7307.36	50.17	148.49	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	ISCWSA 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-6698.95	-113.21	7288.68	50.17	148.11	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2259.53	-54.33	7356.39	100.94	73.57	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	727.86	-4955.22	738.31	-4936.87
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.86	-4955.22	738.30	-4936.98
8.5in Open Hole	1766.00	11901.00	10135.00	1747.11	6835.87	738.31	-4936.87	857.73	-3172.90

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.86	1381.40	1.26	4601.44	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	-16.79	-774.81	-7.62
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1737.14	-841.93	-16.79	-774.81	-7.62
8.5in Open Hole	1750.00	16599.95	14849.95	1737.14	N/A	-774.81	-7.62	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1459.04	150.04	2921.31	25.57	118.70	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	-1542.79	889.48	-1543.18	889.84
9.625in Casing Surface	0.00	317.00	317.00	6.00	322.99	-1542.79	889.48	-1543.18	889.84
7.875in Open Hole	317.00	7258.00	6941.00	322.99	7262.62	-1543.18	889.84	-1545.42	867.83
4.5in Casing Production	0.00	7258.00	7258.00	6.00	7262.62	-1542.79	889.48	-1545.42	867.83

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. GOETZEL 20-34 AWB Offset Wellpath: EX. GOETZEL 20-34 AWP

Facility: SEC.20-T06N-R66W Slot: SLOT#09 EX. GOETZEL 20-34 (845'FSL & 2196'FWL, SI/CODL) Well: EX. GOETZEL 20-34 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	26.00	25.00	1458.62	-10134.31	-81.81	10238.74	50.22	207.84	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#30 TROUDT 21N-29C-L (2162'FNL & 1689'FWL, SEC.27) Well: TROUDT 21N-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	-1401.16	-27.55	-178.87	1401.43	1.26	4668.22	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	-16.79	-799.72	-7.81
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1742.48	-854.15	-16.79	-799.72	-7.81
8.5in Open Hole	1750.00	16464.83	14714.83	1742.48	N/A	-799.72	-7.81	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. GOETZEL 2-29 AWB Offset Wellpath: EX. GOETZEL 2-29 AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#12 EX. GOETZEL 2-29 (1988'FSL & 2185'FWL, SI/NB-CD) Well: EX. GOETZEL 2-29 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	10.00	25.00	-2706.22	-10139.11	-104.94	10494.05	50.19	213.17	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 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2171.66	-56.06	2617.58	50.13	53.18	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	-1323.80	891.49	-1323.95
8.625in Casing Surface	0.00	353.00	353.00	-11.00	341.99	890.91	-1323.80	891.49	-1323.95
7.875in Open Hole	353.00	7249.00	6896.00	341.99	7237.43	891.49	-1323.95	890.41	-1343.50
3.5in Casing Production	0.00	7249.00	7249.00	-11.00	7237.43	890.91	-1323.80	890.41	-1343.50

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.89	1421.46	1.26	4735.00	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	-16.79	-819.74	-7.31
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1746.54	-866.36	-16.79	-819.74	-7.31
8.5in Open Hole	1750.00	16506.48	14756.48	1746.54	7077.00	-819.74	-7.31	-669.58	-2911.10

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	444.42	170.05	2571.42	25.57	104.48	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	270.93	-1543.75	271.13
9.625in Casing Surface	0.00	419.00	419.00	13.00	432.00	-1543.94	270.93	-1543.75	271.13
7.875in Open Hole	419.00	7388.00	6969.00	432.00	N/A	-1543.75	271.13	N/A	N/A
4.5in Casing Production	0.00	7388.00	7388.00	13.00	N/A	-1543.94	270.93	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.92	1461.53	1.26	4868.56	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	-16.79	-868.30	-6.87
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1752.83	-890.79	-16.79	-868.30	-6.87
8.5in Open Hole	1750.00	16511.26	14761.26	1752.83	7075.00	-868.30	-6.87	-815.72	-2911.50

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.91	1441.50	1.26	4801.78	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	-16.79	-844.30	-7.18
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1750.00	-878.58	-16.79	-844.30	-7.18
8.5in Open Hole	1750.00	16224.50	14474.50	1750.00	6803.00	-844.30	-7.18	-742.65	-2911.13

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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-27.55	-178.94	1481.57	1.26	4935.34	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	-16.79	-893.52	-7.08
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.30	-903.01	-16.79	-893.52	-7.08
8.5in Open Hole	1750.00	16323.45	14573.45	1754.30	N/A	-893.52	-7.08	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#35 TROUDT 25C-29-L (2262'FNL & 1689'FWL, SEC.27) Well: TROUDT 25C-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	-1501.35	-27.55	-178.95	1501.60	1.26	5002.12	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	-16.79	-918.46	-6.79
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.61	-915.22	-16.79	-918.46	-6.79
8.5in Open Hole	1750.00	16503.40	14753.40	1754.61	7074.00	-918.46	-6.79	-975.95	-2912.40

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



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TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)

Facility: SEC.27-T06N-R66W Slot: SLOT#36 TROUDT 25N-29C-L (2282'FNL & 1689'FWL, SEC.27) Well: TROUDT 25N-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	-1521.02	-27.55	-178.96	1521.27	1.26	5067.68	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	-16.79	-941.18	-7.32
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1753.91	-927.21	-16.79	-941.18	-7.32
8.5in Open Hole	1750.00	16399.36	14649.36	1753.91	N/A	-941.18	-7.32	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 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	1334.58	-6351.12	-78.13	6489.82	50.38	131.30	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	814.06	-3871.54	814.06	-3871.54

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



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TROUDT 8C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1053.58	-157.40	2742.09	25.57	111.42	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	-1543.25	-642.30	-1542.92	-642.22
9.625in Casing Surface	0.00	327.00	327.00	13.00	340.00	-1543.25	-642.30	-1542.92	-642.22
7.875in Open Hole	327.00	7280.00	6953.00	340.00	7292.30	-1542.92	-642.22	-1530.49	-653.15
4.5in Casing Production	0.00	7280.00	7280.00	13.00	7292.30	-1543.25	-642.30	-1530.49	-653.15

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	VESI 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BUXMAN, H #2-27 AWB Offset Wellpath: BUXMAN, H #2-27 AWP	
MD Reference: Rig on SLOT#02 BUXMAN, H #2-27 (1981'FSL & 662'FWL 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	15.70	22.70	86.97	-3662.67	-88.64	3663.70	50.17	74.44	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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-3696.45	-72.03	3886.12	50.17	78.96	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	731.23	-2253.30	731.15	-2253.60
9.625in Casing Surface	0.00	402.00	402.00	-12.00	390.00	731.23	-2253.30	731.15	-2253.60
7.875in Open Hole	402.00	7275.00	6873.00	390.00	7261.95	731.15	-2253.60	714.75	-2269.72
4.5in Casing Production	0.00	7275.00	7275.00	-12.00	7261.95	731.23	-2253.30	714.75	-2269.72

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX:DOERING, G W #2-28 (2240'FSL&415'FEL SEC.28,7280'MD,PR) Well: DOERING, G W #2-28 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	-25.00	4719.00	-2263.04	-2138.03	-136.63	5632.60	16.69	358.03	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	-1303.41	-1379.43	-1302.82
9.625in Casing Surface	0.00	405.00	405.00	4719.00	5123.99	-1379.49	-1303.41	-1379.43	-1302.82
7.875in Open Hole	405.00	7264.00	6859.00	5123.99	11982.14	-1379.43	-1302.82	-1375.30	-1308.12
4.5in Casing Production	0.00	7264.00	7264.00	4719.00	11982.14	-1379.49	-1303.41	-1375.30	-1308.12

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	932.98	-7220.21	-82.64	7280.24	25.85	291.27	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	569.39	-4401.36	583.98	-4479.57

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	ISCWSA 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	918.00	-7220.22	-82.75	7278.34	25.97	289.75	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	560.26	-4401.36	529.09	-4479.75

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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	23.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2860.78	-6750.15	-112.97	7331.34	50.17	148.97	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	ISCWSA 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	126.87	122.86	-1204.27	-9453.74	-97.26	9530.64	50.17	193.67	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	-732.67	-5763.60	-668.85	-5745.22
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1732.32	-732.67	-5763.60	-669.41	-5745.39
8.5in Open Hole	1771.00	15711.00	13940.00	1740.09	7074.25	-668.85	-5745.22	-355.92	-8298.14

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



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30C-30-M AWB Offset Wellpath: GOETZEL 30C-30-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	176.21	172.18	-1182.01	-9452.27	-97.13	9527.02	50.17	193.58	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	-720.45	-5763.59	-651.18	-5747.38
9.625in Casing Surface	20.00	1759.00	1739.00	11.00	1722.54	-720.45	-5763.59	-647.43	-5746.67
8.5in Open Hole	1710.00	15570.00	13860.00	1675.16	6888.91	-651.18	-5747.38	-280.88	-8298.18

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30N-30B-M AWP Offset Wellpath: GOETZEL 30N-30B-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	161.43	157.42	-1364.00	-9453.89	-98.21	9552.70	50.18	194.08	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	-830.20	-5764.31	-808.79	-5752.95
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1748.99	-830.20	-5764.31	-808.79	-5752.95
8.5in Open Hole	1762.00	15808.00	14046.00	1748.99	7073.86	-808.79	-5752.95	-749.40	-8374.70

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	120.67	116.67	-1224.04	-9454.10	-97.38	9533.45	50.17	193.73	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	-744.88	-5763.75	-685.92	-5747.64
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1733.13	-744.88	-5763.75	-685.42	-5747.47
8.5in Open Hole	1755.00	15820.00	14065.00	1725.32	6991.10	-685.92	-5747.64	-419.99	-8374.40

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-2637.20	-7611.94	-109.11	8055.83	50.17	163.70	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 PRODIED 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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	147.70	143.69	-1264.44	-9453.88	-97.62	9538.80	50.17	193.82	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	-769.31	-5763.95	-732.31	-5749.72
9.625in Casing Surface	20.00	1764.00	1744.00	11.00	1745.31	-769.31	-5763.95	-732.31	-5749.72
8.5in Open Hole	1764.00	15868.00	14104.00	1745.31	7070.17	-732.31	-5749.72	-584.84	-8374.53

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	46.84	42.84	-1243.76	-9454.71	-97.49	9536.19	50.17	193.79	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	-757.09	-5763.75	-709.42	-5749.39
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1739.29	-757.09	-5763.75	-709.03	-5749.25
8.5in Open Hole	1755.00	15705.00	13950.00	1732.42	6769.16	-709.42	-5749.39	-509.40	-8374.67

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30B-M AWB 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	169.32	165.30	-1281.99	-9453.70	-97.72	9541.26	50.17	193.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30B-M AWB 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 AWB 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	-781.34	-5763.95	-755.82	-5752.79
9.625in Casing Surface	20.00	1720.00	1700.00	11.00	1705.03	-781.34	-5763.95	-755.82	-5752.79
8.5in Open Hole	1720.00	15601.00	13881.00	1705.03	6908.00	-755.82	-5752.79	-652.12	-8374.35

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 31N-30B-M AWB 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 AWB
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 AWB
15578.00	15601.00	Blind Drilling (std)	Projection to bit	GOETZEL 31N-30B-M AWB



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30B-M AWP Offset Wellpath: GOETZEL 31N-30B-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	25.10	21.10	-1403.76	-9455.96	-98.44	9559.59	50.17	194.27	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	-854.63	-5764.52	-849.04	-5755.84
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1751.53	-854.63	-5764.52	-849.04	-5755.84
8.5in Open Hole	1762.00	15750.00	13988.00	1751.53	7072.48	-849.04	-5755.84	-888.35	-8374.05

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5C-30-M AWB Offset Wellpath: GOETZEL 5C-30-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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

Facility: SEC.29-T06N-R66W Slot: SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29 Well: GOETZEL 32C-30-M2 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	38.00	25.00	-2365.93	-10276.10	-102.97	10544.95	50.33	214.29	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	-1440.97	-6264.61	-1440.97	-6264.61
8.5in Open Hole	1700.00	16005.00	14305.00	1687.00	7128.00	-1440.97	-6264.61	-1477.82	-8624.22

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	185.67	181.64	-1442.10	-9453.67	-98.67	9564.32	50.19	194.28	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	-879.06	-5764.53	-883.74	-5751.10
9.625in Casing Surface	20.00	1760.00	1740.00	11.00	1749.31	-879.06	-5764.53	-883.74	-5751.10
8.5in Open Hole	1760.00	15789.00	14029.00	1749.31	7073.95	-883.74	-5751.10	-1047.66	-8388.60

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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

Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-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	38.00	25.00	-2385.97	-10276.42	-103.07	10549.77	50.33	214.39	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	-1453.18	-6264.81	-1453.18	-6264.81
8.5in Open Hole	1700.00	15834.00	14134.00	1687.00	6948.00	-1453.18	-6264.81	-1556.21	-8624.05

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29) Well: GOETZEL 5N-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	186.29	182.27	-1423.57	-9453.49	-98.56	9561.37	50.19	194.23	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	-866.84	-5764.52	-868.62	-5753.04
9.625in Casing Surface	20.00	1761.00	1741.00	11.00	1750.92	-866.84	-5764.52	-868.62	-5753.04
8.5in Open Hole	1761.00	15647.00	13886.00	1750.92	6888.92	-868.62	-5753.04	-937.27	-8386.02

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



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5N-30B-M AWB Offset Wellpath: GOETZEL 5N-30B-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30C-M AWB 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	156.04	152.02	-1383.95	-9453.78	-98.33	9555.39	50.18	194.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30C-M AWB 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 AWB 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	-842.41	-5764.32	-826.60	-5751.85
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1749.71	-842.41	-5764.32	-826.60	-5751.85
8.5in Open Hole	1762.00	15700.00	13938.00	1749.71	6994.50	-826.60	-5751.85	-815.87	-8392.66

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 31N-30C-M AWB 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 AWB
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 AWB
15677.00	15700.00	Blind Drilling (std)	Projection to bit	GOETZEL 31N-30C-M AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30C-M AWP Offset Wellpath: GOETZEL 31N-30C-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	45.39	58.39	163.36	-9000.33	-88.96	9001.87	50.13	182.93	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	100.63	-5486.63	97.68	-5485.39
8.625in Casing Surface	0.00	645.00	645.00	-12.00	632.90	100.63	-5486.63	97.68	-5485.39
7.875in Open Hole	645.00	7276.00	6631.00	632.90	7262.09	97.68	-5485.39	92.40	-5506.65
4.5in Casing Production	0.00	7276.00	7276.00	-12.00	7262.09	100.63	-5486.63	92.40	-5506.65

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



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30C-M AWB 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	143.12	139.12	-1463.81	-9455.28	-98.80	9568.60	50.17	194.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32N-30C-M AWB 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 AWB 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	-891.27	-5764.68	-907.54	-5751.20
9.625in Casing Surface	20.00	1785.00	1765.00	11.00	1773.12	-891.27	-5764.68	-907.54	-5751.20
8.5in Open Hole	1785.00	15686.00	13901.00	1773.12	6962.55	-907.54	-5751.20	-1109.63	-8391.68

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 32N-30C-M AWB 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 AWB
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 AWB
15663.00	15686.00	Blind Drilling (std)	Projection to bit	GOETZEL 32N-30C-M AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-23-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32N-30C-M AWP Offset Wellpath: GOETZEL 32N-30C-M AWP	
MD Reference: PRECISION 462 (20'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	20.00ft



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TROUDT 8C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-1359.40	-9008.19	-98.58	9110.18	50.13	185.13	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	-827.69	-5491.54	-828.17	-5491.84
8.625in Casing Surface	0.00	432.00	432.00	-8.00	423.99	-827.69	-5491.54	-828.17	-5491.84
7.875in Open Hole	432.00	7185.00	6753.00	423.99	7176.40	-828.17	-5491.84	-836.57	-5508.64
4.5in Casing Production	0.00	7185.00	7185.00	-8.00	7176.40	-827.69	-5491.54	-836.57	-5508.64

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



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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



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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	-48.12	-10314.68	-90.27	10314.79	50.13	209.61	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	-28.02	-6287.83	-28.02	-6288.03
8.625in Casing Surface	0.00	229.00	229.00	-11.00	218.00	-28.02	-6287.83	-28.02	-6288.03
7.875in Open Hole	229.00	7682.00	7453.00	218.00	7669.81	-28.02	-6288.03	-43.89	-6303.46
5.5in Casing Production	0.00	7682.00	7682.00	-11.00	7669.81	-28.02	-6287.83	-43.89	-6303.46

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



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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	4.30	18.30	-1373.86	-10338.05	-97.57	10428.94	50.13	211.94	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	-836.18	-6302.25	-834.86	-6304.50
8.625in Casing Surface	0.00	522.00	522.00	-11.00	510.92	-836.18	-6302.25	-834.86	-6304.50
7.875in Open Hole	522.00	7264.00	6742.00	510.92	7249.75	-834.86	-6304.50	-863.96	-6337.31
4.5in Casing Production	0.00	7264.00	7264.00	-11.00	7249.75	-836.18	-6302.25	-863.96	-6337.31

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



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27
Area	COLORADO	Well	TROUDT 8C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 8C-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)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft