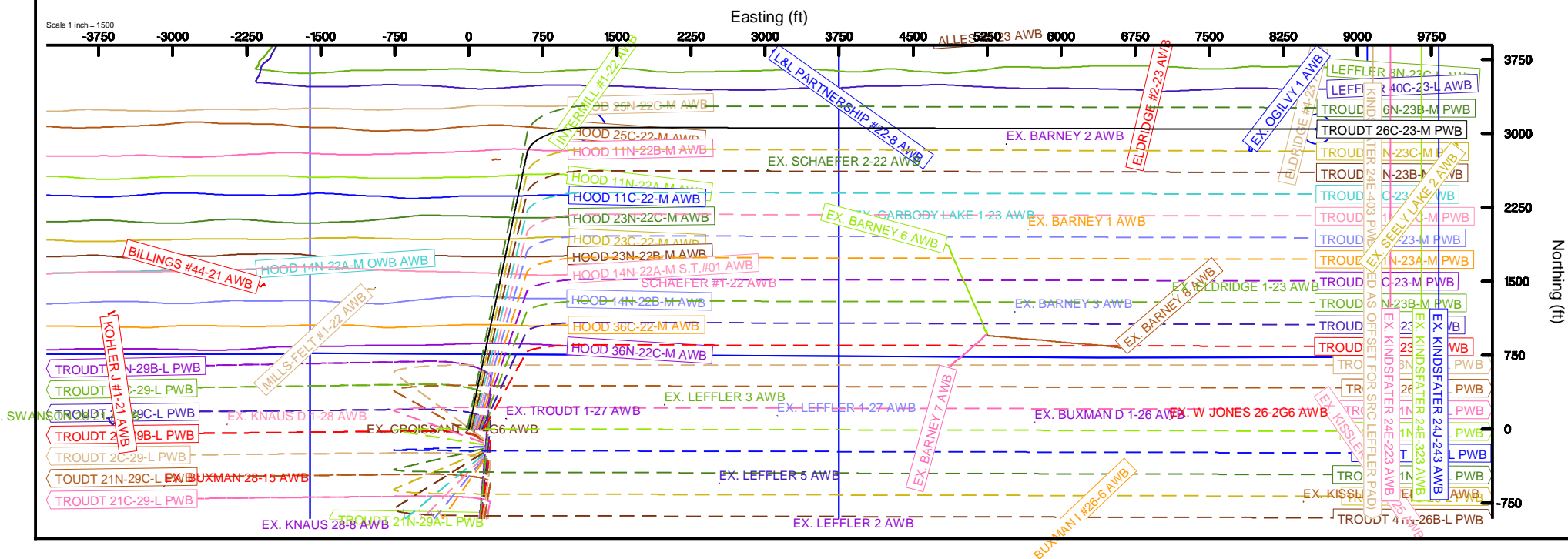
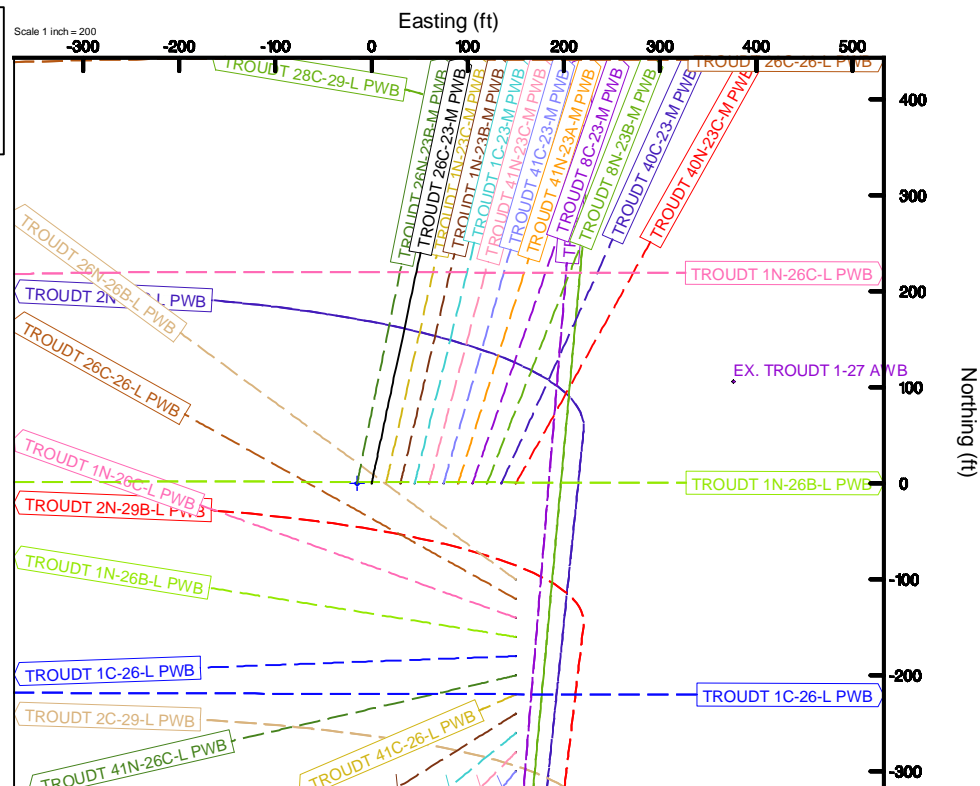


Location:	COLORADO	Slot:	SLOT#02 TROUDT 26C-23-M (761'FNL & 1609FWL, SEC.27)
Field:	WELD COUNTY (NAD83,TRUE NORTH)	Well:	TROUDT 26C-23-M
Facility:	SEC.27-T06N-R66W	Wellbore:	TROUDT 26C-23-M PWB



Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 10:00:51 AM
Convergence at slot	0.48° East	Database/Source file	Denver DB/TROUDT_1C-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	59.82	3203833.57	1412933.21	40°27'52.531"N	104°46'02.723"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#05 TROUDT 1C-23-M (760'FNL & 1654'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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: TROUDT 1C-23-M PWB Ref 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	0.00	358.83	88.73
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.37	0.00	0.00	358.83	88.73
8.5in Open Hole	1750.00	15338.67	13588.67	1693.37	7132.00	358.83	88.73	2383.01	8536.34

SURVEY PROGRAM - Ref Wellbore: TROUDT 1C-23-M PWB Ref 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15338.67ft 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.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	7772.94	31.05	7772.94	7775.16	0.11	7775.16	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)	349.77	14.59	15335.36	15335.36	0.37	15335.36	FAIL
SEC.27-T06N-R66W	SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27)	TROUDT 1N-23B-M	TROUDT 1N-23B-M PWB	TROUDT 1N-23B-M PWP (REV-A.0)	25.00	14.75	15338.67	15338.67	0.47	15338.67	FAIL
SEC.20-T06N-R66W	SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20)	HOOD 23N-22C-M	HOOD 23N-22C-M AWB	HOOD 23N-22C-M AWP	7480.76	203.47	7480.76	7532.74	0.48	7532.74	FAIL
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	9785.01	239.50	9785.01	9795.43	0.54	9795.43	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	200.00	15338.67	0.60	15338.67	FAIL
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	29.77	15338.67	15338.67	0.62	15338.67	FAIL
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	7518.28	259.90	7518.28	7456.51	0.63	7456.51	FAIL
SEC.23-T06N-R66W	SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL)	EX. CARBODY LAKE 1-23	EX. CARBODY LAKE 1-23 AWB	EX. CARBODY LAKE 1-23 AWP	10659.63	304.55	10660.10	10659.63	0.64	10659.63	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	12425.00	363.74	12425.00	12425.00	0.65	12425.00	FAIL
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	44.80	1825.00	15338.67	0.89	15338.67	FAIL
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	12199.35	501.28	12199.35	12225.00	0.91	12225.00	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	7525.00	423.37	7525.00	7677.16	0.99	7677.16	FAIL
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	7740.31	458.94	7740.31	7677.57	1.07	7677.57	PASS
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)	448.06	44.16	448.06	15338.67	1.10	15338.67	PASS
SEC.27-T06N-R66W	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)	TROUDT 8C-23-M	TROUDT 8C-23-M PWB	TROUDT 8C-23-M PWP (REV-A.0)	25.00	60.10	15325.00	15338.67	1.19	15338.67	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	59.82	200.00	15338.67	1.23	15338.67	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	13749.69	1040.49	15225.00	15338.67	1.23	15338.67	PASS
SEC.23-T06N-R66W	SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD)	EX. OGILVY 1	EX. OGILVY 1 AWB	EX. OGILVY 1 AWP	14666.81	485.50	14666.81	14690.75	1.30	14690.75	PASS
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	7222.50	547.48	7222.50	7340.61	1.33	7340.61	PASS
SEC.20-T06N-R66W	SLOT#02 HOOD 25C-22-M (745'FSL & 1122'FEL SEC.20)	HOOD 25C-22-M	HOOD 25C-22-M AWB	HOOD 25C-22-M AWP	7825.00	642.93	7825.00	7825.00	1.45	7825.00	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	11591.25	1221.00	15338.67	15338.67	1.50	15338.67	PASS
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)	425.00	74.24	15325.00	15338.67	1.54	15338.67	PASS
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	13885.00	1022.55	13885.00	13925.00	1.64	13925.00	PASS
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	90.15	200.00	15338.67	1.80	15338.67	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	7820.62	889.57	7820.62	7825.00	2.01	7825.00	PASS
SEC.27-T06N-R66W	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)	TROUDT 40N-23C-M	TROUDT 40N-23C-M PWB	TROUDT 40N-23C-M PWP (REV-A.0)	380.60	104.45	15325.00	15338.67	2.11	15338.67	PASS
SEC.23-T06N-R66W	SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL)	EX. BARNEY 3	EX. BARNEY 3 AWB	EX. BARNEY 3 AWP	12287.50	1202.06	12287.50	12353.37	2.18	12353.37	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)	760.28	128.34	15338.67	15338.67	2.19	15338.67	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	11591.05	523.32	11591.05	11597.14	2.24	11597.14	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 S.T.#01 AWB	HOOD 14N-22A-M S.T.#01 AWP	7084.37	694.73	7084.37	7215.24	2.24	7215.24	PASS
SEC.20-T06N-R66W	SLOT#10 HOOD 14N-22B-M (525'FSL & 1122'FEL SEC.20)	HOOD 14N-22B-M	HOOD 14N-22B-M AWB	HOOD 14N-22B-M AWP	7064.37	942.76	7064.37	7264.53	2.31	7264.53	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	159.74	6925.00	15338.67	2.45	15338.67	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)	553.73	172.29	15338.67	15338.67	2.74	15338.67	PASS
SEC.20-T06N-R66W	SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20)	HOOD 36C-22-M	HOOD 36C-22-M AWB	HOOD 36C-22-M AWP	7134.96	1271.33	7134.96	7677.24	3.01	7677.24	PASS
SEC.27-T06N-R66W	SLOT#16 TROUDT 1N-26B-L (920'FNL & 1760'FWL, SEC.27)	TROUDT 1N-26B-L	TROUDT 1N-26B-L PWB	TROUDT 1N-26B-L PWP (REV-A.0)	25.00	191.42	15338.67	15338.67	3.02	15338.67	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	208.45	15338.67	15338.67	3.28	15338.67	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	1225.00	296.20	1226.96	1581.14	3.29	1581.14	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	6981.91	1406.10	6981.91	7291.84	3.49	7825.00	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	225.98	15338.67	15338.67	3.56	15338.67	PASS

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15338.67ft 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.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	13862.50	2292.64	13862.50	14084.69	3.67	14084.69	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)	15338.67	573.93	15338.67	15338.67	3.68	15338.67	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	15338.67	1487.25	15338.67	15338.67	3.71	15338.67	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	243.89	200.00	15338.67	3.83	15338.67	PASS
SEC.22-T06N-R66W	SLOT#03 EX.SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD)	SCHAEFER #1-22	SCHAEFER #1-22 AWB	SCHAEFER #1-22 AWP	8512.50	995.77	8512.50	8582.20	3.84	8582.20	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	12490.00	2321.35	12490.00	12757.11	4.12	12757.11	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	262.11	15338.67	15338.67	4.12	15338.67	PASS
SEC.23-T06N-R66W	SLOT#03 EX. 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	11170.16	1556.00	11170.16	11406.45	4.15	11406.45	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	280.58	15338.67	15338.67	4.41	15338.67	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	15216.13	3122.20	15216.13	15338.67	4.55	15338.67	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	13375.00	1558.38	13375.00	13525.00	4.56	13525.00	PASS
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	299.25	15338.67	15338.67	4.67	15338.67	PASS
SEC.24-T06N-R66W	SLOT#03 EX. KINDSFATER 24E-223 (370'FNL & 1539'FWL, XX)	EX. KINDSFATER 24E-223	EX. KINDSFATER 24E-223 AWB	EX. KINDSFATER 24E-223 AWP	15338.67	769.07	15338.67	15338.67	4.87	15338.67	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	13822.50	1627.39	13822.50	14054.32	4.87	14054.32	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	317.75	8425.00	15338.67	4.94	15338.67	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	9887.50	2261.26	9887.50	10225.00	5.03	10225.00	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	336.72	200.00	15338.67	5.25	15338.67	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	2687.50	1820.95	8725.00	9074.56	5.34	9074.56	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	13900.00	3647.41	13900.00	14488.62	5.75	14488.62	PASS
SEC.23-T06N-R66W	SLOT#05 EX. ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300'MD)	ALLES #2-23	ALLES #2-23 AWB	ALLES #2-23 AWP	12635.00	1641.65	12635.00	12925.00	5.79	12925.00	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	15338.67	2976.36	15338.67	15338.67	6.17	15338.67	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	14962.50	4674.96	14962.50	15338.67	6.85	15338.67	PASS
SEC.24-T06N-R66W	SLOT#04 EX. KINDSFATER 24E-323 (370'FNL & 1479'FWL, XX)	EX. KINDSFATER 24E-323	EX. KINDSFATER 24E-323 AWB	EX. KINDSFATER 24E-323 AWP	15338.67	1069.68	15338.67	15338.67	6.85	15338.67	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	800.00	2550.64	9325.00	9925.00	6.85	9925.00	PASS
SEC.34-T06N-R66W	SLOT# 01 BEEBE 25N-26B-M (242'FNL & 2276'FWL SEC.34)	BEEBE 25N-26B-M	BEEBE 25N-26B-M AWB	BEEBE 25N-26B-M AWP	5950.00	4005.04	13125.00	13871.39	6.90	13871.39	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	11165.00	3640.16	11165.00	11925.00	7.02	11925.00	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	6011.25	4309.43	11425.00	13949.50	7.25	13949.50	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	15338.67	2412.73	15338.67	15338.67	7.31	15338.67	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	25.00	3400.02	10025.00	10825.00	7.38	10825.00	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	11612.50	1769.86	11612.50	11911.20	7.40	11911.20	PASS
SEC.24-T06N-R66W	SLOT#05 EX. KINDSFATER 24J-243 (370'FNL & 1509'FWL, XX)	EX. KINDSFATER 24J-243	EX. KINDSFATER 24J-243 AWB	EX. KINDSFATER 24J-243 AWP	15338.67	1254.67	15338.67	15338.67	8.01	15338.67	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	7225.00	615.17	7225.00	7309.70	8.08	7309.70	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	1079.88	200.00	7092.21	8.23	7092.21	PASS
SEC.22-T06N-R66W	SLOT#07 EX. 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	9838.16	1430.28	9838.16	10225.00	8.78	10225.00	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	15338.67	3718.37	15338.67	15338.67	9.53	15338.67	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	14100.00	5096.46	14100.00	15338.67	9.65	15338.67	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	1262.70	200.00	7676.50	9.84	7825.00	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	15338.67	1513.30	15338.67	15338.67	10.38	15338.67	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	2491.36	200.00	7225.00	10.89	7225.00	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	1618.73	200.00	7675.36	11.13	7675.36	PASS

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15338.67ft 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.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	2386.19	200.00	7282.27	12.36	7282.27	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	12462.50	3707.81	12462.50	13480.91	12.82	13480.91	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	15338.67	5242.07	15338.67	15338.67	13.41	15338.67	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	3185.60	200.00	7311.81	13.42	7311.81	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	3941.98	9825.00	11825.00	14.15	11825.00	PASS
SEC.22-T06N-R66W	SLOT#05 EX.INTERMILL #1-22 (1982°FNL & 1974°FEL SEC.22,PA,7295°MD)	INTERMILL #1-22	INTERMILL #1-22 AWB	INTERMILL #1-22 AWP	8444.38	1641.79	8444.38	9145.05	15.30	9145.05	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	3838.37	200.00	7674.04	15.65	7674.04	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	4965.14	200.00	7672.88	17.03	7672.88	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	12172.50	5330.33	12172.50	14325.00	17.63	14325.00	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	4957.54	200.00	7673.59	18.15	7673.59	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	4515.95	200.00	7674.44	18.19	7674.44	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	11262.50	4676.14	11262.50	13180.56	18.21	13180.56	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	6425.94	200.00	7672.66	18.24	7672.66	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	6425.22	200.00	7673.30	19.04	7673.30	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	6569.58	200.00	7673.17	19.21	7673.17	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	7511.55	200.00	7672.34	20.54	7672.34	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	5607.28	200.00	7674.15	20.79	7674.15	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	3925.00	1316.88	3925.00	4575.99	22.33	4575.99	PASS
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	7955.60	200.00	7673.09	22.49	7673.09	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	9016.06	200.00	7671.38	23.27	7671.38	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)	1103.99	1238.97	1103.99	6746.21	23.76	6746.21	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	6790.00	2800.59	6790.00	7240.94	25.68	7240.94	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	2166.33	8525.00	10806.53	25.91	10806.53	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	9222.24	200.00	7673.42	25.94	7673.42	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)	1000.00	1299.20	1000.00	7675.64	26.57	7825.00	PASS
SEC.28-T06N-R66W	SLOT#10 EX. FEUERSTEIN I28-64-1HC (1727°FSL & 290°FWL, PR, 7240)	EX. FEUERSTEIN I28-64-1HC	EX. FEUERSTEIN I28-64-1HC AWB	EX. FEUERSTEIN I28-64-1HC AWP	5500.00	5555.87	5500.00	6852.24	28.14	6852.24	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	10179.25	200.00	7671.22	29.67	7671.22	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	5160.00	6077.25	5160.00	6696.18	29.73	6696.18	PASS
SEC.27-T06N-R66W	SLOT#27 TROUDT 2N-29C-L (2102°FNL & 1689°FWL, SEC.27)	TROUDT 2N-29C-L	TROUDT 2N-29C-L PWB	TROUDT 2N-29C-L PWP (REV-A.0)	887.50	1304.47	887.50	7675.71	31.15	8625.00	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	2951.79	8225.00	11925.00	31.23	11925.00	PASS
SEC.21-T06N-R66W	SLOT#02 EX:BILLINGS #44-21 (700°FSL & 460°FEL SEC.21, PR, 7253°MD)	BILLINGS #44-21	BILLINGS #44-21 AWB	BILLINGS #44-21 AWP	3037.50	2419.85	3037.50	7173.14	32.40	7173.14	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	10435.99	200.00	7673.16	32.67	7673.16	PASS
SEC.27-T06N-R66W	SLOT#28 TROUDT 2N-29B-L (2122°FNL & 1689°FWL, SEC.27)	TROUDT 2N-29B-L	TROUDT 2N-29B-L PWB	TROUDT 2N-29B-L PWP (REV-A.0)	812.50	1342.27	812.50	7675.80	34.38	9125.00	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)	700.00	1361.74	700.00	7675.94	36.75	9325.00	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	2582.27	204.61	11909.29	38.31	11909.29	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)	25.00	1401.54	625.00	9588.77	38.66	9588.77	PASS
SEC.27-T06N-R66W	SLOT#31 TROUDT 21C-29-L (2182°FNL & 1689°FWL, SEC.27)	TROUDT 21C-29-L	TROUDT 21C-29-L PWB	TROUDT 21C-29-L PWP (REV-A.0)	525.00	1413.37	525.00	9825.00	39.10	9825.00	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	1460.32	350.00	10298.70	40.16	10298.70	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	1441.60	200.00	10125.00	40.49	10125.00	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	1481.67	200.00	10573.40	40.94	10573.40	PASS

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 15338.67ft 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.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	1501.70	200.00	10825.00	41.00	10825.00	PASS
SEC.21-T06N-R66W	SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775MD)	BOYD #1	BOYD #1 AWB	BOYD #1 AWP	25.00	6431.02	200.00	5298.92	41.01	5298.92	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	1521.37	200.00	11025.00	41.48	11025.00	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	2719.12	212.50	11895.36	49.49	11895.36	PASS
SEC.21-T06N-R66W	SLOT#03 EX:KOHLE J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318MD)	KOHLER J #1-21	KOHLER J #1-21 AWB	KOHLER J #1-21 AWP	1462.50	3818.40	1462.50	7672.34	57.32	7672.34	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	3603.62	25.00	7673.26	60.09	7673.26	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	3475.00	4212.90	3475.00	11666.95	61.87	11666.95	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	3750.00	7004.22	3750.00	7672.02	86.52	7672.02	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	3403.98	6976.78	3403.98	7672.16	86.61	7672.16	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	7276.04	200.00	14225.00	98.41	14225.00	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	1225.00	9429.25	4525.00	7672.20	111.18	7672.20	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	1169.24	9439.77	3325.00	7672.11	111.61	7672.11	PASS
SEC.29-T06N-R66W	SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29)	GOETZEL 31C-30-M	GOETZEL 31C-30-M AWB	GOETZEL 31C-30-M AWP	217.19	9491.57	3225.00	7672.66	113.64	7672.66	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	1112.50	9459.00	1112.50	7672.31	114.07	7672.31	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	300.00	9477.01	300.00	7672.48	115.78	7672.48	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	1012.50	9474.80	1012.50	7672.48	115.85	7672.48	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	9479.81	825.00	7672.59	117.42	7672.59	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	252.50	7997.48	252.50	7673.57	118.38	14125.00	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	9499.65	225.00	7672.85	119.03	7672.85	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	4375.00	10130.11	4375.00	7673.18	119.63	13325.00	PASS
SEC.29-T06N-R66W	SLOT#11 GOETZEL 32C-30-M (2073'FNL & 2446'FEL, SEC.29)	GOETZEL 32C-30-M	GOETZEL 32C-30-M AWB	GOETZEL 32C-30-M AWP	300.00	9500.64	300.00	7672.99	119.75	7672.99	PASS
SEC.29-T06N-R66W	SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29)	GOETZEL 5N-30B-M	GOETZEL 5N-30B-M AWB	GOETZEL 5N-30B-M AWP	287.50	9498.44	287.50	7672.96	120.16	7672.96	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	4131.56	10153.63	4131.56	7673.25	120.17	13725.00	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	9494.46	225.00	7672.73	120.31	7672.73	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	291.88	8940.29	291.88	7672.17	123.20	7925.00	PASS
SEC.29-T06N-R66W	SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29)	GOETZEL 32N-30C-M	GOETZEL 32N-30C-M AWB	GOETZEL 32N-30C-M AWP	300.00	9505.93	300.00	7673.07	124.21	12825.00	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	9050.76	25.00	7672.86	127.97	7672.86	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	10254.69	25.00	7672.19	136.96	7672.19	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	10369.37	25.00	7672.74	145.69	7672.74	PASS

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14281.92	7151.42	2357.53	-222.03	-5.38	7509.53	146.87	51.44	PASS	
125.00†	125.00	0.00	0.00	14282.31	7151.42	2357.55	-221.64	-5.37	7414.70	148.34	50.29	PASS	
200.00	200.00	0.00	0.00	14282.61	7151.42	2357.57	-221.34	-5.36	7343.66	149.13	49.54	PASS	
225.00†	225.00	0.11	0.03	14282.72	7151.42	2357.58	-221.23	-19.75	7319.97	149.40	49.29	PASS	
325.00†	324.96	2.65	0.65	14283.45	7151.43	2357.63	-220.50	-21.97	7224.65	150.43	48.31	PASS	
425.00†	424.77	8.57	2.12	14284.62	7151.44	2357.70	-219.34	-24.71	7128.51	151.40	47.36	PASS	
525.00†	524.30	17.88	4.42	14286.24	7151.46	2357.81	-217.72	-28.14	7031.63	152.30	46.44	PASS	
625.00†	623.44	30.55	7.55	14288.31	7151.48	2357.95	-215.65	-32.51	6934.11	153.12	45.55	PASS	
725.00†	722.07	46.57	11.52	14290.86	7151.51	2358.11	-213.11	-38.22	6836.04	153.85	44.69	PASS	
825.00†	820.05	65.92	16.30	14293.88	7151.54	2358.31	-210.09	-45.79	6737.51	154.50	43.86	PASS	
925.00†	917.29	88.58	21.90	14297.40	7151.58	2358.55	-206.59	-55.89	6638.63	155.04	43.07	PASS	
1025.00†	1013.64	114.52	28.32	14301.40	7151.63	2358.82	-202.59	-69.02	6539.50	155.49	42.30	PASS	
1125.00†	1109.01	143.71	35.54	14305.91	7151.69	2359.13	-198.09	-84.81	6440.24	155.83	41.57	PASS	
1225.00†	1203.27	176.12	43.55	14310.94	7151.76	2359.48	-193.08	-101.34	6340.95	156.06	40.87	PASS	
1251.08	1227.65	185.09	45.77	14312.33	7151.78	2359.58	-191.69	-105.44	6315.06	156.10	40.69	PASS	
1325.00†	1296.66	210.83	52.13	14316.37	7151.84	2359.86	-187.66	-105.44	6241.71	156.20	40.19	PASS	
1425.00†	1390.00	245.65	60.74	14515.55	7154.71	2366.00	11.33	-105.80	6142.49	159.89	38.63	PASS	
1525.00†	1483.35	280.48	69.36	14527.45	7154.88	2365.82	23.23	-105.88	6042.93	160.12	37.95	PASS	
1625.00†	1576.69	315.30	77.97	14539.24	7155.05	2365.62	35.01	-105.97	5943.37	160.35	37.27	PASS	
1725.00†	1670.04	350.12	86.58	14550.92	7155.22	2365.39	46.70	-106.06	5843.81	160.58	36.59	PASS	
1825.00†	1763.38	384.95	95.19	14562.51	7155.39	2365.15	58.27	-106.16	5744.24	160.61	35.92	PASS	
1925.00†	1856.72	419.77	103.80	14573.98	7155.56	2364.89	69.75	-106.26	5644.67	160.83	35.25	PASS	
2025.00†	1950.07	454.59	112.41	14585.36	7155.73	2364.61	81.12	-106.37	5545.09	161.05	34.58	PASS	
2125.00†	2043.41	489.42	121.02	14594.29	7155.87	2364.37	90.04	-106.46	5445.52	161.23	33.92	PASS	
2225.00†	2136.76	524.24	129.63	14602.12	7155.99	2364.18	97.87	-106.54	5345.94	161.40	33.26	PASS	
2325.00†	2230.10	559.06	138.24	14610.00	7156.11	2364.01	105.74	-106.62	5246.37	161.57	32.61	PASS	
2425.00†	2323.45	593.89	146.85	14617.92	7156.22	2363.84	113.66	-106.71	5146.80	161.75	31.96	PASS	
2525.00†	2416.79	628.71	155.46	14625.88	7156.33	2363.69	121.63	-106.79	5047.23	161.92	31.30	PASS	
2625.00†	2510.14	663.53	164.08	14633.90	7156.44	2363.55	129.64	-106.88	4947.67	162.10	30.65	PASS	
2725.00†	2603.48	698.35	172.69	14641.95	7156.55	2363.42	137.70	-106.97	4848.10	162.29	30.00	PASS	
2825.00†	2696.83	733.18	181.30	14650.06	7156.65	2363.31	145.80	-107.06	4748.54	162.47	29.35	PASS	
2925.00†	2790.17	768.00	189.91	14658.21	7156.75	2363.21	153.95	-107.15	4648.98	162.67	28.70	PASS	
3025.00†	2883.51	802.82	198.52	14666.41	7156.85	2363.13	162.15	-107.24	4549.43	162.86	28.05	PASS	
3125.00†	2976.86	837.65	207.13	14674.66	7156.95	2363.06	170.39	-107.34	4449.88	163.06	27.41	PASS	
3225.00†	3070.20	872.47	215.74	14682.88	7157.04	2363.00	178.62	-107.44	4350.33	163.25	26.76	PASS	
3325.00†	3163.55	907.29	224.35	14691.08	7157.14	2362.96	186.81	-107.54	4250.78	163.46	26.11	PASS	
3425.00†	3256.89	942.12	232.96	14699.32	7157.23	2362.92	195.06	-107.64	4151.23	163.66	25.47	PASS	
3525.00†	3350.24	976.94	241.57	14707.62	7157.32	2362.90	203.36	-107.75	4051.69	163.87	24.83	PASS	
3625.00†	3443.58	1011.76	250.18	14715.98	7157.41	2362.88	211.71	-107.86	3952.15	164.07	24.19	PASS	
3725.00†	3536.93	1046.58	258.80	14724.39	7157.50	2362.88	220.12	-107.97	3852.62	164.29	23.55	PASS	
3825.00†	3630.27	1081.41	267.41	14732.85	7157.59	2362.88	228.59	-108.09	3753.09	164.50	22.91	PASS	
3925.00†	3723.62	1116.23	276.02	14741.37	7157.68	2362.89	237.11	-108.22	3653.56	164.72	22.27	PASS	
4025.00†	3816.96	1151.05	284.63	14749.95	7157.77	2362.92	245.68	-108.35	3554.03	164.94	21.64	PASS	
4125.00†	3910.30	1185.88	293.24	14758.58	7157.86	2362.96	254.31	-108.48	3454.51	165.16	21.00	PASS	
4225.00†	4003.65	1220.70	301.85	14767.27	7157.95	2363.00	263.00	-108.62	3354.99	165.38	20.37	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 MASH [ft]	Sep Ratio	ACR Status	
4325.00†	4096.99	1255.52	310.46	14775.79	7158.03	2363.06	271.52	-108.77	3255.47	165.61	19.74	PASS	
4425.00†	4190.34	1290.35	319.07	14784.36	7158.12	2363.13	280.09	-108.92	3155.96	165.83	19.11	PASS	
4525.00†	4283.68	1325.17	327.68	14792.99	7158.21	2363.21	288.72	-109.08	3056.46	166.05	18.48	PASS	
4625.00†	4377.03	1359.99	336.29	14801.70	7158.29	2363.30	297.43	-109.25	2956.95	166.28	17.85	PASS	
4725.00†	4470.37	1394.82	344.90	14810.48	7158.38	2363.40	306.21	-109.42	2857.45	166.51	17.23	PASS	
4825.00†	4563.72	1429.64	353.52	14819.34	7158.47	2363.52	315.06	-109.61	2757.96	166.73	16.61	PASS	
4925.00†	4657.06	1464.46	362.13	14828.27	7158.55	2363.65	323.99	-109.81	2658.47	166.96	15.99	PASS	
5025.00†	4750.41	1499.28	370.74	14837.27	7158.64	2363.79	332.99	-110.02	2558.98	167.19	15.37	PASS	
5125.00†	4843.75	1534.11	379.35	14846.35	7158.73	2363.95	342.07	-110.25	2459.50	167.41	14.75	PASS	
5225.00†	4937.10	1568.93	387.96	14855.50	7158.82	2364.12	351.22	-110.49	2360.03	167.63	14.13	PASS	
5325.00†	5030.44	1603.75	396.57	14865.73	7158.92	2364.32	361.45	-110.78	2260.55	167.86	13.52	PASS	
5425.00†	5123.78	1638.58	405.18	14876.13	7159.02	2364.52	371.85	-111.10	2161.08	168.09	12.91	PASS	
5525.00†	5217.13	1673.40	413.79	14886.51	7159.11	2364.72	382.23	-111.45	2061.61	168.30	12.30	PASS	
5625.00†	5310.47	1708.22	422.40	14896.87	7159.21	2364.92	392.58	-111.84	1962.13	168.51	11.69	PASS	
5725.00†	5403.82	1743.05	431.01	14907.21	7159.31	2365.12	402.92	-112.27	1862.66	168.69	11.08	PASS	
5825.00†	5497.16	1777.87	439.62	14917.53	7159.40	2365.31	413.24	-112.75	1763.19	168.86	10.48	PASS	
5925.00†	5590.51	1812.69	448.24	14927.83	7159.50	2365.50	423.53	-113.29	1663.71	169.01	9.88	PASS	
6025.00†	5683.85	1847.51	456.85	14938.10	7159.59	2365.69	433.80	-113.89	1564.24	169.13	9.28	PASS	
6125.00†	5777.20	1882.34	465.46	14948.24	7159.68	2365.88	443.94	-114.56	1464.77	169.21	8.69	PASS	
6225.00†	5870.54	1917.16	474.07	14957.65	7159.77	2366.06	453.34	-115.26	1365.30	169.25	8.10	PASS	
6325.00†	5963.89	1951.98	482.68	14967.15	7159.86	2366.25	462.85	-116.07	1265.84	169.23	7.51	PASS	
6425.00†	6057.23	1986.81	491.29	14976.76	7159.95	2366.45	472.45	-117.01	1166.40	169.15	6.92	PASS	
6525.00†	6150.57	2021.63	499.90	14986.47	7160.05	2366.66	482.15	-118.11	1066.96	169.00	6.34	PASS	
6625.00†	6243.92	2056.45	508.51	14996.28	7160.14	2366.89	491.96	-119.41	967.53	168.73	5.75	PASS	
6725.00†	6337.26	2091.28	517.12	15006.19	7160.24	2367.13	501.87	-120.99	868.12	168.32	5.18	PASS	
6825.00†	6430.61	2126.10	525.73	15016.21	7160.35	2367.38	511.89	-122.94	768.72	167.70	4.60	PASS	
6925.00†	6523.95	2160.92	534.34	15026.34	7160.45	2367.65	522.01	-125.39	669.35	166.79	4.03	PASS	
7025.00†	6617.30	2195.75	542.96	15036.58	7160.56	2367.93	532.25	-128.57	570.00	165.43	3.46	PASS	
7035.17	6626.79	2199.29	543.83	15037.64	7160.58	2367.96	533.31	-128.95	559.90	165.26	3.40	PASS	
7125.00†	6709.85	2230.27	557.84	15053.21	7160.74	2368.43	548.88	-134.90	471.66	163.60	2.89	PASS	
7225.00†	6799.11	2263.56	567.92	15084.93	7161.05	2369.52	580.58	-145.57	377.20	161.43	2.34	PASS	
7325.00†	6882.86	2294.78	576.54	15131.13	7161.45	2371.46	626.73	-153.55	289.00	158.85	1.82	PASS	
7425.00†	6959.05	2323.17	585.18	15190.37	7162.10	2373.91	685.92	-159.56	209.35	155.08	1.35	PASS	
7525.00†	7025.79	2348.03	594.03	15262.82	7163.16	2376.00	758.32	-165.32	140.21	147.61	0.95	FAIL	
7625.00†	7081.45	2368.75	603.06	15344.55	7164.19	2377.95	840.05	-174.23	83.06	132.87	0.62	FAIL	
7725.00†	7124.65	2384.81	612.09	15433.36	7165.25	2374.42	928.84	-165.24	41.92	176.11	0.23	FAIL	
7772.94†	7140.61	2390.74	621.12	15473.00	7165.80	2373.58	968.46	-148.21	31.05	278.27	0.11	FAIL	
7775.16†	7141.28	2390.99	621.89	15473.00	7165.80	2373.58	968.46	-148.18	31.13	280.35	0.11	FAIL	
7825.00†	7154.32	2395.83	630.92	15473.00	7165.80	2373.58	968.46	-144.37	61.23	196.94	0.31	FAIL	
7925.00†	7169.75	2401.53	640.00	15473.00	7165.80	2373.58	968.46	-110.46	156.97	130.48	1.20	PASS	
7984.11	7172.00	2402.33	649.00	15473.00	7165.80	2373.58	968.46	-75.90	215.47	118.58	1.82	PASS	
8025.00†	7171.78	2402.22	658.00	15473.00	7165.80	2373.58	968.46	-75.90	256.02	113.90	2.26	PASS	
8125.00†	7171.23	2401.96	667.00	15473.00	7165.80	2373.58	968.46	-75.90	355.51	108.44	3.29	PASS	
8225.00†	7170.69	2401.70	676.00	15473.00	7165.80	2373.58	968.46	-75.90	455.23	106.35	4.30	PASS	
8325.00†	7170.15	2401.44	685.00	15473.00	7165.80	2373.58	968.46	-75.90	555.05	105.43	5.29	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.20-T06N-R66W Slot: SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20) Well: HOOD 11C-22-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8425.00†	7169.60	2401.17	1622.79	15473.00	7165.80	2373.58	968.46	75.90	654.92	105.01	6.27	PASS	
8525.00†	7169.06	2400.91	1722.79	15473.00	7165.80	2373.58	968.46	75.90	754.83	104.82	7.24	PASS	
8625.00†	7168.51	2400.65	1822.79	15473.00	7165.80	2373.58	968.46	75.90	854.76	104.76	8.21	PASS	
8725.00†	7167.97	2400.39	1922.79	15473.00	7165.80	2373.58	968.46	75.90	954.70	104.74	9.17	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1761.00	1736.00	10.00	1738.70	813.14	-4918.54	837.36	-4903.25
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1738.70	813.14	-4918.54	837.36	-4903.25
8.5in Open Hole	1761.00	15473.00	13712.00	1738.70	7165.80	837.36	-4903.25	1129.54	-2163.91

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#06 TROUDT 41N-23C-M (760°FNL & 1669°FWL, SEC.27) Well: TROUDT 41N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	25.00	25.00	0.00	15.03	90.00	15.03	1.56	23.44	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	15.03	90.00	15.03	1.88	15.34	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	15.03	90.00	15.03	2.30	10.54	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	15.03	76.52	15.00	2.44	9.52	PASS	
325.00†	324.96	2.65	0.65	324.95	324.95	0.11	15.05	86.12	14.62	3.03	6.60	PASS	
349.77†	349.71	3.80	0.94	349.71	349.70	0.42	15.14	89.51	14.59	3.19	6.13	PASS	
425.00†	424.77	8.57	2.12	424.91	424.87	2.63	15.72	99.70	14.85	3.71	5.05	PASS	
525.00†	524.30	17.88	4.42	524.99	524.75	8.53	17.29	112.13	15.91	4.78	3.92	PASS	
625.00†	623.44	30.55	7.55	625.19	624.49	17.82	19.76	122.45	17.67	6.16	3.22	PASS	
725.00†	722.07	46.57	11.52	725.51	723.95	30.49	23.12	130.57	19.92	7.61	2.85	PASS	
825.00†	820.05	65.92	16.30	825.95	823.01	46.53	27.39	136.81	22.53	9.03	2.67	PASS	
925.00†	917.29	88.58	21.90	926.52	921.54	65.95	32.54	141.57	25.37	10.38	2.59	PASS	
1025.00†	1013.64	114.52	28.32	1027.21	1019.43	88.73	38.59	145.23	28.36	11.69	2.55	PASS	
1125.00†	1109.01	143.71	35.54	1128.02	1116.54	114.85	45.53	148.07	31.46	12.96	2.54	PASS	
1225.00†	1203.27	176.12	43.55	1228.96	1212.76	144.30	53.35	150.28	34.62	14.21	2.54	PASS	
1251.08	1227.65	185.09	45.77	1237.69	1237.69	152.52	55.54	150.78	35.45	14.51	2.55	PASS	
1325.00†	1296.66	210.83	52.13	1329.60	1307.66	176.68	61.95	151.53	37.20	15.27	2.53	PASS	
1425.00†	1390.00	245.65	60.74	1429.58	1401.70	209.50	70.67	152.20	39.28	16.25	2.51	PASS	
1525.00†	1483.35	280.48	69.36	1529.56	1495.73	242.31	79.39	152.81	41.36	17.26	2.48	PASS	
1625.00†	1576.69	315.30	77.97	1629.53	1589.77	275.12	88.10	153.35	43.45	18.29	2.45	PASS	
1725.00†	1670.04	350.12	86.58	1729.51	1683.81	307.94	96.82	153.85	45.55	19.34	2.43	PASS	
1825.00†	1763.38	384.95	95.19	1829.49	1777.84	340.75	105.53	154.31	47.64	19.59	2.49	PASS	
1925.00†	1856.72	419.77	103.80	1929.47	1871.88	373.56	114.25	154.72	49.74	19.64	2.59	PASS	
2025.00†	1950.07	454.59	112.41	2029.44	1965.92	406.37	122.96	155.11	51.84	19.79	2.68	PASS	
2125.00†	2043.41	489.42	121.02	2129.42	2059.95	439.19	131.68	155.46	53.95	20.02	2.76	PASS	
2225.00†	2136.76	524.24	129.63	2229.40	2153.99	472.00	140.39	155.78	56.05	20.34	2.82	PASS	
2325.00†	2230.10	559.06	138.24	2329.38	2248.03	504.81	149.11	156.09	58.16	20.74	2.87	PASS	
2425.00†	2323.45	593.89	146.85	2429.35	2342.06	537.62	157.82	156.37	60.27	21.22	2.90	PASS	
2525.00†	2416.79	628.71	155.46	2529.33	2436.10	570.44	166.54	156.63	62.38	21.77	2.93	PASS	
2625.00†	2510.14	663.53	164.08	2629.31	2530.14	603.25	175.25	156.88	64.49	22.38	2.94	PASS	
2725.00†	2603.48	698.35	172.69	2729.28	2624.17	636.06	183.97	157.10	66.60	23.06	2.95	PASS	
2825.00†	2696.83	733.18	181.30	2829.26	2718.21	668.87	192.68	157.32	68.72	23.79	2.95	PASS	
2925.00†	2790.17	768.00	189.91	2929.24	2812.24	701.69	201.40	157.52	70.83	24.57	2.94	PASS	
3025.00†	2883.51	802.82	198.52	3029.22	2906.28	734.50	210.11	157.71	72.94	25.39	2.93	PASS	
3125.00†	2976.86	837.65	207.13	3129.19	3000.32	767.31	218.83	157.89	75.06	26.26	2.91	PASS	
3225.00†	3070.20	872.47	215.74	3229.17	3094.35	800.12	227.54	158.06	77.18	27.16	2.89	PASS	
3325.00†	3163.55	907.29	224.35	3329.15	3188.39	832.94	236.26	158.23	79.29	28.10	2.87	PASS	
3425.00†	3256.89	942.12	232.96	3429.13	3282.43	865.75	244.98	158.38	81.41	29.06	2.85	PASS	
3525.00†	3350.24	976.94	241.57	3529.10	3376.46	898.56	253.69	158.52	83.53	30.05	2.82	PASS	
3625.00†	3443.58	1011.76	250.18	3629.08	3470.50	931.37	262.41	158.66	85.65	31.07	2.80	PASS	
3725.00†	3536.93	1046.58	258.80	3729.06	3564.54	964.19	271.12	158.79	87.77	32.10	2.77	PASS	
3825.00†	3630.27	1081.41	267.41	3829.04	3658.57	997.00	279.84	158.92	89.89	33.16	2.75	PASS	
3925.00†	3723.62	1116.23	276.02	3929.01	3752.61	1029.81	288.55	159.04	92.01	34.23	2.72	PASS	
4025.00†	3816.96	1151.05	284.63	4028.99	3846.64	1062.63	297.27	159.15	94.13	35.32	2.70	PASS	
4125.00†	3910.30	1185.88	293.24	4128.97	3940.68	1095.44	305.98	159.26	96.25	36.42	2.68	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4225.00†	4003.65	1220.70	301.85	4228.94	4034.72	1128.25	314.70	159.36	98.37	37.54	2.65	PASS	
4325.00†	4096.99	1255.52	310.46	4328.92	4128.75	1161.06	323.41	159.46	100.49	38.67	2.63	PASS	
4425.00†	4190.34	1290.35	319.07	4428.90	4222.79	1193.88	332.13	159.56	102.62	39.81	2.61	PASS	
4525.00†	4283.68	1325.17	327.68	4528.88	4316.83	1226.69	340.84	159.65	104.74	40.96	2.58	PASS	
4625.00†	4377.03	1359.99	336.29	4628.85	4410.86	1259.50	349.56	159.74	106.86	42.11	2.56	PASS	
4725.00†	4470.37	1394.82	344.90	4728.83	4504.90	1292.31	358.27	159.82	108.98	43.28	2.54	PASS	
4825.00†	4563.72	1429.64	353.52	4828.81	4598.94	1325.13	366.99	159.90	111.11	44.46	2.52	PASS	
4925.00†	4657.06	1464.46	362.13	4928.79	4692.97	1357.94	375.70	159.98	113.23	45.64	2.50	PASS	
5025.00†	4750.41	1499.28	370.74	5028.76	4787.01	1390.75	384.42	160.06	115.35	46.82	2.49	PASS	
5125.00†	4843.75	1534.11	379.35	5128.74	4881.05	1423.56	393.13	160.13	117.48	48.02	2.47	PASS	
5225.00†	4937.10	1568.93	387.96	5228.72	4975.08	1456.38	401.85	160.20	119.60	49.22	2.45	PASS	
5325.00†	5030.44	1603.75	396.57	5328.70	5069.12	1489.19	410.57	160.27	121.72	50.42	2.43	PASS	
5425.00†	5123.78	1638.58	405.18	5428.67	5163.15	1522.00	419.28	160.33	123.85	51.63	2.42	PASS	
5525.00†	5217.13	1673.40	413.79	5528.65	5257.19	1554.81	428.00	160.40	125.97	52.85	2.40	PASS	
5625.00†	5310.47	1708.22	422.40	5628.63	5351.23	1587.63	436.71	160.46	128.10	54.06	2.39	PASS	
5725.00†	5403.82	1743.05	431.01	5728.61	5445.26	1620.44	445.43	160.52	130.22	55.29	2.37	PASS	
5825.00†	5497.16	1777.87	439.62	5828.58	5539.30	1653.25	454.14	160.57	132.35	56.51	2.36	PASS	
5925.00†	5590.51	1812.69	448.24	5928.56	5633.34	1686.06	462.86	160.63	134.47	57.74	2.35	PASS	
6025.00†	5683.85	1847.51	456.85	6028.54	5727.37	1718.88	471.57	160.68	136.60	58.97	2.33	PASS	
6125.00†	5777.20	1882.34	465.46	6128.51	5821.41	1751.69	480.29	160.74	138.72	60.21	2.32	PASS	
6225.00†	5870.54	1917.16	474.07	6228.49	5915.45	1784.50	489.00	160.79	140.85	61.44	2.31	PASS	
6325.00†	5963.89	1951.98	482.68	6328.47	6009.48	1817.32	497.72	160.84	142.97	62.68	2.30	PASS	
6425.00†	6057.23	1986.81	491.29	6428.45	6103.52	1850.13	506.43	160.88	145.10	63.93	2.28	PASS	
6525.00†	6150.57	2021.63	499.90	6528.42	6197.55	1882.94	515.15	160.93	147.22	65.17	2.27	PASS	
6625.00†	6243.92	2056.45	508.51	6628.40	6291.59	1915.75	523.86	160.97	149.35	66.42	2.26	PASS	
6725.00†	6337.26	2091.28	517.12	6728.38	6385.63	1948.57	532.58	161.02	151.47	67.67	2.25	PASS	
6825.00†	6430.61	2126.10	525.73	6828.36	6479.66	1981.38	541.29	161.06	153.60	68.92	2.24	PASS	
6925.00†	6523.95	2160.92	534.34	6928.27	6571.30	2013.35	553.74	159.66	156.19	70.20	2.24	PASS	
7025.00†	6617.30	2195.75	542.96	7020.29	6665.73	2043.14	579.01	153.61	161.69	71.58	2.27	PASS	
7035.17	6626.79	2199.29	543.83	7029.52	6664.90	2045.99	582.20	152.78	162.56	71.72	2.28	PASS	
7125.00†	6709.85	2230.27	557.84	7109.48	6733.69	2069.97	615.04	127.09	171.86	72.95	2.37	PASS	
7225.00†	6799.11	2263.56	587.92	7195.89	6803.03	2094.12	660.48	106.02	184.36	74.12	2.50	PASS	
7325.00†	6882.86	2294.78	632.54	7280.02	6864.36	2115.47	713.88	91.40	197.76	75.00	2.65	PASS	
7425.00†	6959.05	2323.17	690.58	7362.28	6917.39	2133.92	773.91	81.17	210.94	75.57	2.81	PASS	
7525.00†	7025.79	2348.03	760.63	7443.04	6961.92	2149.40	839.40	73.94	223.02	76.01	2.95	PASS	
7625.00†	7081.45	2368.75	840.96	7522.61	6997.81	2161.85	909.27	68.84	233.38	76.53	3.07	PASS	
7725.00†	7124.63	2384.81	929.59	7601.30	7024.94	2171.25	982.48	65.35	241.55	78.05	3.11	PASS	
7825.00†	7154.32	2395.83	1024.34	7679.36	7043.23	2177.56	1058.05	63.15	247.23	78.34	3.18	PASS	
7925.00†	7169.75	2401.53	1122.87	7757.05	7052.63	2180.76	1135.06	62.07	250.21	79.78	3.16	PASS	
7984.11	7172.00	2402.33	1181.91	7802.90	7054.00	2181.19	1180.88	61.92	250.65	80.75	3.12	PASS	
8025.00†	7171.78	2402.22	1222.80	7843.73	7053.82	2181.09	1221.70	61.92	250.63	82.62	3.05	PASS	
8125.00†	7171.23	2401.96	1322.80	7943.73	7053.37	2180.83	1321.70	61.94	250.59	87.46	2.88	PASS	
8225.00†	7170.69	2401.70	1422.80	8043.73	7052.92	2180.57	1421.70	61.96	250.54	92.79	2.71	PASS	
8325.00†	7170.15	2401.44	1522.80	8143.73	7052.47	2180.31	1521.70	61.98	250.49	98.53	2.55	PASS	
8425.00†	7169.60	2401.17	1622.79	8243.73	7052.02	2180.05	1621.70	62.00	250.44	104.60	2.40	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	
8525.00†	7169.06	2400.91	1722.79	8343.73	7051.57	2179.80	1721.69	62.02	250.39	110.96	2.26	PASS	
8625.00†	7168.51	2400.65	1822.79	8443.73	7051.12	2179.54	1821.69	62.04	250.34	117.55	2.14	PASS	
8725.00†	7167.97	2400.39	1922.79	8543.73	7050.68	2179.28	1921.69	62.05	250.29	124.35	2.02	PASS	
8825.00†	7167.43	2400.12	2022.79	8643.73	7050.23	2179.02	2021.69	62.07	250.24	131.31	1.91	PASS	
8925.00†	7166.88	2399.86	2122.78	8743.73	7049.78	2178.77	2121.69	62.09	250.20	138.42	1.81	PASS	
9025.00†	7166.34	2399.60	2222.78	8843.73	7049.33	2178.51	2221.69	62.11	250.15	145.66	1.72	PASS	
9125.00†	7165.79	2399.33	2322.78	8943.73	7048.88	2178.25	2321.69	62.13	250.10	153.00	1.64	PASS	
9225.00†	7165.25	2399.07	2422.78	9043.73	7048.43	2177.99	2421.68	62.15	250.05	160.43	1.56	PASS	
9325.00†	7164.71	2398.81	2522.78	9143.73	7047.98	2177.73	2521.68	62.17	250.00	167.94	1.49	PASS	
9425.00†	7164.16	2398.55	2622.78	9243.73	7047.53	2177.48	2621.68	62.19	249.95	175.52	1.43	PASS	
9525.00†	7163.62	2398.28	2722.77	9343.73	7047.08	2177.22	2721.68	62.20	249.90	183.17	1.37	PASS	
9625.00†	7163.08	2398.02	2822.77	9443.73	7046.63	2176.96	2821.68	62.22	249.85	190.87	1.31	PASS	
9725.00†	7162.53	2397.76	2922.77	9543.73	7046.19	2176.70	2921.68	62.24	249.81	198.61	1.26	PASS	
9825.00†	7161.99	2397.50	3022.77	9643.73	7045.74	2176.44	3021.68	62.26	249.76	206.40	1.21	PASS	
9925.00†	7161.44	2397.23	3122.77	9743.73	7045.29	2176.19	3121.67	62.28	249.71	214.23	1.17	PASS	
10025.00†	7160.90	2396.97	3222.76	9843.73	7044.84	2175.93	3221.67	62.30	249.66	222.10	1.12	PASS	
10125.00†	7160.36	2396.71	3322.76	9943.73	7044.39	2175.67	3321.67	62.32	249.61	230.00	1.09	PASS	
10225.00†	7159.81	2396.45	3422.76	10043.73	7043.94	2175.41	3421.67	62.34	249.56	237.92	1.05	PASS	
10325.00†	7159.27	2396.18	3522.76	10143.73	7043.49	2175.16	3521.67	62.35	249.52	245.87	1.01	PASS	
10425.00†	7158.72	2395.92	3622.76	10243.73	7043.04	2174.90	3621.67	62.37	249.47	253.85	0.98	FAIL	
10525.00†	7158.18	2395.66	3722.76	10343.73	7042.59	2174.64	3721.67	62.39	249.42	261.85	0.95	FAIL	
10625.00†	7157.64	2395.39	3822.75	10443.73	7042.15	2174.38	3821.67	62.41	249.37	269.87	0.92	FAIL	
10725.00†	7157.09	2395.13	3922.75	10543.73	7041.70	2174.12	3921.66	62.43	249.32	277.91	0.90	FAIL	
10825.00†	7156.55	2394.87	4022.75	10643.73	7041.25	2173.87	4021.66	62.45	249.27	285.96	0.87	FAIL	
10925.00†	7156.01	2394.61	4122.75	10743.73	7040.80	2173.61	4121.66	62.47	249.23	294.04	0.85	FAIL	
11025.00†	7155.46	2394.34	4222.75	10843.73	7040.35	2173.35	4221.66	62.49	249.18	302.12	0.82	FAIL	
11125.00†	7154.92	2394.08	4322.74	10943.73	7039.90	2173.09	4321.66	62.51	249.13	310.22	0.80	FAIL	
11225.00†	7154.37	2393.82	4422.74	11043.73	7039.45	2172.83	4421.66	62.52	249.08	318.34	0.78	FAIL	
11325.00†	7153.83	2393.56	4522.74	11143.73	7039.00	2172.58	4521.66	62.54	249.03	326.47	0.76	FAIL	
11425.00†	7153.29	2393.29	4622.74	11243.73	7038.55	2172.32	4621.65	62.56	248.99	334.61	0.74	FAIL	
11525.00†	7152.74	2393.03	4722.74	11343.73	7038.11	2172.06	4721.65	62.58	248.94	342.76	0.73	FAIL	
11625.00†	7152.20	2392.77	4822.74	11443.73	7037.66	2171.80	4821.65	62.60	248.89	350.92	0.71	FAIL	
11725.00†	7151.65	2392.51	4922.73	11543.73	7037.21	2171.55	4921.65	62.62	248.84	359.09	0.69	FAIL	
11825.00†	7151.11	2392.24	5022.73	11643.73	7036.76	2171.29	5021.65	62.64	248.79	367.27	0.68	FAIL	
11925.00†	7150.57	2391.98	5122.73	11743.73	7036.31	2171.03	5121.65	62.66	248.75	375.46	0.66	FAIL	
12025.00†	7150.02	2391.72	5222.73	11843.73	7035.86	2170.77	5221.65	62.68	248.70	383.66	0.65	FAIL	
12125.00†	7149.48	2391.45	5322.73	11943.73	7035.41	2170.51	5321.64	62.69	248.65	391.87	0.63	FAIL	
12225.00†	7148.93	2391.19	5422.72	12043.73	7034.96	2170.26	5421.64	62.71	248.60	400.08	0.62	FAIL	
12325.00†	7148.39	2390.93	5522.72	12143.73	7034.51	2170.00	5521.64	62.73	248.55	408.30	0.61	FAIL	
12425.00†	7147.85	2390.67	5622.72	12243.73	7034.07	2169.74	5621.64	62.75	248.51	416.53	0.60	FAIL	
12525.00†	7147.30	2390.40	5722.72	12343.73	7033.62	2169.48	5721.64	62.77	248.46	424.77	0.58	FAIL	
12625.00†	7146.76	2390.14	5822.72	12443.73	7033.17	2169.22	5821.64	62.79	248.41	433.01	0.57	FAIL	
12725.00†	7146.22	2389.88	5922.72	12543.73	7032.72	2168.97	5921.64	62.81	248.36	441.26	0.56	FAIL	
12825.00†	7145.67	2389.62	6022.71	12643.73	7032.27	2168.71	6021.63	62.83	248.32	449.52	0.55	FAIL	
12925.00†	7145.13	2389.35	6122.71	12743.73	7031.82	2168.45	6121.63	62.85	248.27	457.78	0.54	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
13025.00†	7144.58	2389.09	6222.71	12843.73	7031.37	2168.19	6221.63	62.86	248.22	466.05	0.53	FAIL	
13125.00†	7144.04	2388.83	6322.71	12943.73	7030.92	2167.94	6321.63	62.88	248.17	474.33	0.52	FAIL	
13225.00†	7143.50	2388.57	6422.71	13043.73	7030.47	2167.68	6421.63	62.90	248.13	482.61	0.51	FAIL	
13325.00†	7142.95	2388.30	6522.70	13143.73	7030.02	2167.42	6521.63	62.92	248.08	490.89	0.50	FAIL	
13425.00†	7142.41	2388.04	6622.70	13243.73	7029.58	2167.16	6621.63	62.94	248.03	499.18	0.50	FAIL	
13525.00†	7141.86	2387.78	6722.70	13343.73	7029.13	2166.90	6721.63	62.96	247.98	507.48	0.49	FAIL	
13625.00†	7141.32	2387.51	6822.70	13443.73	7028.68	2166.65	6821.62	62.98	247.94	515.78	0.48	FAIL	
13725.00†	7140.78	2387.25	6922.70	13543.73	7028.23	2166.39	6921.62	63.00	247.89	524.09	0.47	FAIL	
13825.00†	7140.23	2386.99	7022.70	13643.73	7027.78	2166.13	7021.62	63.02	247.84	532.40	0.46	FAIL	
13925.00†	7139.69	2386.73	7122.69	13743.73	7027.33	2165.87	7121.62	63.04	247.79	540.71	0.46	FAIL	
14025.00†	7139.14	2386.46	7222.69	13843.73	7026.88	2165.61	7221.62	63.06	247.75	549.03	0.45	FAIL	
14125.00†	7138.60	2386.20	7322.69	13943.73	7026.43	2165.36	7321.62	63.07	247.70	557.36	0.44	FAIL	
14225.00†	7138.06	2385.94	7422.69	14043.72	7025.98	2165.10	7421.62	63.09	247.65	565.69	0.44	FAIL	
14325.00†	7137.51	2385.68	7522.69	14143.72	7025.54	2164.84	7521.61	63.11	247.60	574.02	0.43	FAIL	
14425.00†	7136.97	2385.41	7622.68	14243.72	7025.09	2164.58	7621.61	63.13	247.56	582.36	0.42	FAIL	
14525.00†	7136.43	2385.15	7722.68	14343.72	7024.64	2164.33	7721.61	63.15	247.51	590.70	0.42	FAIL	
14625.00†	7135.88	2384.89	7822.68	14443.72	7024.19	2164.07	7821.61	63.17	247.46	599.05	0.41	FAIL	
14725.00†	7135.34	2384.63	7922.68	14543.72	7023.74	2163.81	7921.61	63.19	247.42	607.40	0.41	FAIL	
14825.00†	7134.79	2384.36	8022.68	14643.72	7023.29	2163.55	8021.61	63.21	247.37	615.75	0.40	FAIL	
14925.00†	7134.25	2384.10	8122.68	14743.72	7022.84	2163.29	8121.61	63.23	247.32	624.11	0.40	FAIL	
15025.00†	7133.71	2383.84	8222.67	14843.72	7022.39	2163.04	8221.60	63.25	247.27	632.47	0.39	FAIL	
15125.00†	7133.16	2383.57	8322.67	14943.72	7021.94	2162.78	8321.60	63.27	247.23	640.84	0.39	FAIL	
15225.00†	7132.62	2383.31	8422.67	15043.72	7021.50	2162.52	8421.60	63.28	247.18	649.21	0.38	FAIL	
15325.00†	7132.07	2383.05	8522.67	15143.72	7021.05	2162.26	8521.60	63.30	247.13	657.58	0.38	FAIL	
15335.36†	7132.02	2383.02	8533.03	15154.09	7021.00	2162.24	8531.96	63.31	247.13	658.45	0.37	FAIL	
15338.67	7132.00	2383.01	8536.34	15154.09	7021.00	2162.24	8531.96	63.31	247.15	658.15	0.37	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 41N-23C-M PWB Offset Wellpath: TROUDT 41N-23C-M PWP (REV-A.0)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	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	9.16	95.91	34.63
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1703.08	0.00	9.16	95.91	34.63
8.5in Open Hole	1750.00	15154.09	13404.09	1703.08	7021.00	95.91	34.63	659.05	2605.12

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-14.75	-90.00	14.75	1.56	22.97	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-14.75	-90.00	14.75	1.88	15.04	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-14.75	-90.00	14.75	2.30	10.33	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	-14.75	-104.30	14.77	2.44	9.36	PASS	
325.00†	324.96	2.65	0.65	325.01	325.01	0.11	-14.72	-113.26	15.59	3.10	6.85	PASS	
425.00†	424.77	8.57	2.12	425.22	425.18	2.66	-14.12	-123.89	17.29	4.16	5.11	PASS	
525.00†	524.30	17.88	4.42	525.55	525.32	8.64	-12.73	-132.27	19.50	5.57	4.03	PASS	
625.00†	623.44	30.55	7.55	626.01	625.31	18.04	-10.53	-138.72	22.06	6.96	3.52	PASS	
725.00†	722.07	46.57	11.52	726.59	725.01	30.87	-7.52	-143.68	24.85	8.29	3.26	PASS	
825.00†	820.05	65.92	16.30	827.28	824.31	47.12	-3.72	-147.51	27.80	9.55	3.12	PASS	
925.00†	917.29	88.58	21.90	928.10	923.08	66.78	0.88	-150.51	30.84	10.77	3.05	PASS	
1025.00†	1013.64	114.52	28.32	1029.05	1021.20	89.84	6.28	-152.87	33.95	11.94	3.00	PASS	
1125.00†	1109.01	143.71	35.54	1130.11	1118.54	116.29	12.46	-154.75	37.09	13.11	2.97	PASS	
1225.00†	1203.27	176.12	43.55	1231.29	1214.97	146.10	19.44	-156.25	40.24	14.26	2.95	PASS	
1251.08	1227.65	185.09	45.77	1257.69	1239.96	154.42	21.39	-156.59	41.06	14.54	2.95	PASS	
1325.00†	1296.66	210.83	52.13	1332.60	1310.39	179.25	27.20	-156.98	42.52	15.29	2.90	PASS	
1425.00†	1390.00	245.65	60.74	1433.96	1404.58	215.68	35.73	-155.78	41.67	16.34	2.65	PASS	
1525.00†	1483.35	280.48	69.36	1534.63	1496.88	254.80	44.88	-152.36	37.97	17.59	2.23	PASS	
1625.00†	1576.69	315.30	77.97	1634.50	1588.21	294.17	54.09	-147.69	33.90	19.15	1.81	PASS	
1725.00†	1670.04	350.12	86.58	1734.38	1679.53	333.54	63.30	-141.80	30.12	21.18	1.44	PASS	
1825.00†	1763.38	384.95	95.19	1834.25	1770.86	372.90	72.52	-134.33	26.74	22.70	1.18	PASS	
1925.00†	1856.72	419.77	103.80	1934.13	1862.18	412.27	81.73	-124.92	23.94	24.02	1.00	FAIL	
2025.00†	1950.07	454.59	112.41	2034.00	1953.51	451.64	90.94	-113.43	21.94	25.40	0.86	FAIL	
2125.00†	2043.41	489.42	121.02	2133.88	2044.83	491.00	100.15	-100.29	20.98	26.48	0.79	FAIL	
2225.00†	2136.76	524.24	129.63	2233.75	2136.16	530.37	109.37	-86.68	21.18	26.95	0.78	FAIL	
2325.00†	2230.10	559.06	138.24	2333.63	2227.49	569.74	118.58	-74.01	22.53	26.81	0.84	FAIL	
2425.00†	2323.45	593.89	146.85	2433.50	2318.81	609.10	127.79	-63.23	24.83	26.38	0.94	FAIL	
2525.00†	2416.79	628.71	155.46	2533.37	2410.14	648.47	137.00	-54.52	27.85	25.97	1.07	PASS	
2625.00†	2510.14	663.53	164.08	2633.25	2501.46	687.84	146.21	-47.64	31.38	25.74	1.23	PASS	
2725.00†	2603.48	698.35	172.69	2733.12	2592.79	727.20	155.43	-42.21	35.28	25.74	1.38	PASS	
2825.00†	2696.83	733.18	181.30	2833.00	2684.11	766.57	164.64	-37.89	39.42	25.95	1.53	PASS	
2925.00†	2790.17	768.00	189.91	2932.87	2775.44	805.94	173.85	-34.40	43.75	26.35	1.68	PASS	
3025.00†	2883.51	802.82	198.52	3032.75	2866.76	845.30	183.06	-31.55	48.21	26.88	1.81	PASS	
3125.00†	2976.86	837.65	207.13	3132.62	2958.09	884.67	192.28	-29.19	52.76	27.54	1.94	PASS	
3225.00†	3070.20	872.47	215.74	3232.50	3049.41	924.04	201.49	-27.21	57.40	28.29	2.06	PASS	
3325.00†	3163.55	907.29	224.35	3332.37	3140.74	963.40	210.70	-25.52	62.09	29.12	2.16	PASS	
3425.00†	3256.89	942.12	232.96	3432.25	3232.06	1002.77	219.91	-24.07	66.82	30.01	2.26	PASS	
3525.00†	3350.24	976.94	241.57	3532.12	3323.39	1042.13	229.13	-22.82	71.60	30.96	2.34	PASS	
3625.00†	3443.58	1011.76	250.18	3631.99	3414.72	1081.50	238.34	-21.72	76.40	31.94	2.42	PASS	
3725.00†	3536.93	1046.58	258.80	3731.87	3506.04	1120.87	247.55	-20.75	81.23	32.97	2.50	PASS	
3825.00†	3630.27	1081.41	267.41	3831.74	3597.37	1160.23	256.76	-19.89	86.08	34.02	2.56	PASS	
3925.00†	3723.62	1116.23	276.02	3931.62	3688.69	1199.60	265.97	-19.13	90.95	35.10	2.62	PASS	
4025.00†	3816.96	1151.05	284.63	4031.49	3780.02	1238.97	275.19	-18.44	95.83	36.21	2.68	PASS	
4125.00†	3910.30	1185.88	293.24	4131.37	3871.34	1278.33	284.40	-17.81	100.72	37.33	2.73	PASS	
4225.00†	4003.65	1220.70	301.85	4231.24	3962.67	1317.70	293.61	-17.25	105.63	38.47	2.78	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4331.12	4053.99	1357.07	302.82	-16.73	110.54	39.63	2.82	PASS	
4425.00†	4190.34	1290.35	319.07	4430.99	4145.32	1396.43	312.04	-16.26	115.46	40.81	2.86	PASS	
4525.00†	4283.68	1325.17	327.68	4530.86	4236.64	1435.80	321.25	-15.83	120.39	41.99	2.90	PASS	
4625.00†	4377.03	1359.99	336.29	4630.74	4327.97	1475.17	330.46	-15.43	125.32	43.19	2.93	PASS	
4725.00†	4470.37	1394.82	344.90	4730.61	4419.29	1514.53	339.67	-15.07	130.27	44.39	2.97	PASS	
4825.00†	4563.72	1429.64	353.52	4830.49	4510.62	1553.90	348.89	-14.72	135.21	45.61	3.00	PASS	
4925.00†	4657.06	1464.46	362.13	4930.36	4601.94	1593.27	358.10	-14.41	140.16	46.83	3.02	PASS	
5025.00†	4750.41	1499.28	370.74	5030.24	4693.27	1632.63	367.31	-14.11	145.12	48.06	3.05	PASS	
5125.00†	4843.75	1534.11	379.35	5130.11	4784.60	1672.00	376.52	-13.84	150.07	49.30	3.07	PASS	
5225.00†	4937.10	1568.93	387.96	5229.99	4875.92	1711.37	385.73	-13.58	155.03	50.54	3.10	PASS	
5325.00†	5030.44	1603.75	396.57	5329.86	4967.25	1750.73	394.95	-13.34	160.00	51.79	3.12	PASS	
5425.00†	5123.78	1638.58	405.18	5429.74	5058.57	1790.10	404.16	-13.11	164.96	53.04	3.14	PASS	
5525.00†	5217.13	1673.40	413.79	5529.61	5149.90	1829.47	413.37	-12.89	169.93	54.30	3.16	PASS	
5625.00†	5310.47	1708.22	422.40	5629.48	5241.22	1868.83	422.58	-12.69	174.90	55.56	3.18	PASS	
5725.00†	5403.82	1743.05	431.01	5729.36	5332.55	1908.20	431.80	-12.50	179.88	56.83	3.19	PASS	
5825.00†	5497.16	1777.87	439.62	5829.23	5423.87	1947.57	441.01	-12.32	184.85	58.10	3.21	PASS	
5925.00†	5590.51	1812.69	448.24	5929.11	5515.20	1986.93	450.22	-12.15	189.83	59.38	3.22	PASS	
6025.00†	5683.85	1847.51	456.85	6028.98	5606.52	2026.30	459.43	-11.99	194.81	60.65	3.24	PASS	
6125.00†	5777.20	1882.34	465.46	6128.86	5697.85	2065.67	468.64	-11.83	199.79	61.93	3.25	PASS	
6225.00†	5870.54	1917.16	474.07	6228.73	5789.17	2105.03	477.86	-11.69	204.77	63.22	3.26	PASS	
6325.00†	5963.89	1951.98	482.68	6328.61	5880.50	2144.40	487.07	-11.55	209.75	64.50	3.28	PASS	
6425.00†	6057.23	1986.81	491.29	6428.48	5971.83	2183.77	496.28	-11.41	214.74	65.79	3.29	PASS	
6525.00†	6150.57	2021.63	499.90	6528.35	6063.15	2223.13	505.49	-11.28	219.72	67.08	3.30	PASS	
6625.00†	6243.92	2056.45	508.51	6628.23	6154.48	2262.50	514.71	-11.16	224.71	68.38	3.31	PASS	
6725.00†	6337.26	2091.28	517.12	6728.10	6245.80	2301.87	523.92	-11.05	229.70	69.67	3.32	PASS	
6825.00†	6430.61	2126.10	525.73	6827.98	6337.13	2341.23	533.13	-10.94	234.68	70.97	3.33	PASS	
6925.00†	6523.95	2160.92	534.34	6927.85	6428.45	2380.60	542.34	-10.83	239.67	72.27	3.34	PASS	
7025.00†	6617.30	2195.75	542.96	7026.60	6518.34	2419.35	551.48	-9.92	244.61	73.55	3.35	PASS	
7035.17	6626.79	2199.29	543.83	7036.49	6527.24	2423.18	556.87	-9.66	245.38	73.67	3.35	PASS	
7125.00†	6709.85	2230.27	557.84	7122.98	6603.52	2456.06	560.73	-24.95	250.62	74.79	3.37	PASS	
7225.00†	6799.11	2263.56	567.92	7217.71	6682.81	2490.22	619.51	-36.08	256.71	76.01	3.40	PASS	
7325.00†	6882.86	2294.78	632.54	7311.01	6754.89	2521.28	669.79	-42.48	262.81	77.25	3.42	PASS	
7425.00†	6959.05	2323.17	690.58	7403.06	6818.65	2548.75	730.12	-46.06	268.62	78.59	3.44	PASS	
7525.00†	7025.79	2348.03	760.63	7494.07	6873.20	2572.23	798.98	-48.04	273.90	80.34	3.43	PASS	
7625.00†	7081.45	2368.75	840.96	7584.25	6917.81	2591.44	874.86	-49.14	278.42	82.21	3.41	PASS	
7725.00†	7124.65	2384.81	929.59	7673.77	6951.93	2606.12	956.23	-49.72	281.98	84.75	3.35	PASS	
7825.00†	7154.32	2395.83	1024.34	7762.83	6975.15	2616.10	1041.56	-50.03	284.46	87.89	3.25	PASS	
7925.00†	7169.75	2401.53	1122.87	7851.63	6987.20	2621.26	1129.31	-50.17	285.74	91.60	3.14	PASS	
7984.11	7172.00	2402.33	1181.91	7904.07	6989.00	2622.02	1181.70	-50.21	285.92	94.02	3.06	PASS	
8025.00†	7171.78	2402.22	1222.80	7944.82	6988.81	2621.92	1222.45	-50.21	285.91	95.70	3.00	PASS	
8125.00†	7171.23	2401.96	1322.80	8044.82	6988.32	2621.67	1322.45	-50.22	285.88	100.05	2.87	PASS	
8225.00†	7170.69	2401.70	1422.80	8144.82	6987.83	2621.42	1422.45	-50.23	285.86	104.73	2.74	PASS	
8325.00†	7170.15	2401.44	1522.80	8244.82	6987.34	2621.17	1522.45	-50.24	285.84	109.71	2.62	PASS	
8425.00†	7169.60	2401.17	1622.79	8344.82	6986.85	2620.92	1622.44	-50.25	285.81	114.94	2.50	PASS	
8525.00†	7169.06	2400.91	1722.79	8444.82	6986.36	2620.68	1722.44	-50.26	285.79	120.38	2.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, SEC.27) Well: TROUDT 1N-23B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7168.51	2400.65	1822.79	8544.82	6985.87	2620.43	1822.44	-50.27	285.77	126.02	2.27	PASS	
8725.00†	7167.97	2400.39	1922.79	8644.82	6985.38	2620.18	1922.44	-50.28	285.74	131.82	2.17	PASS	
8825.00†	7167.43	2400.12	2022.79	8744.82	6984.89	2619.93	2022.44	-50.29	285.72	137.77	2.08	PASS	
8925.00†	7166.88	2399.86	2122.78	8844.82	6984.40	2619.69	2122.44	-50.30	285.70	143.85	1.99	PASS	
9025.00†	7166.34	2399.60	2222.78	8944.82	6983.91	2619.44	2222.43	-50.31	285.67	150.04	1.91	PASS	
9125.00†	7165.79	2399.33	2322.78	9044.82	6983.42	2619.19	2322.43	-50.32	285.65	156.33	1.83	PASS	
9225.00†	7165.25	2399.07	2422.78	9144.82	6982.93	2618.94	2422.43	-50.33	285.63	162.70	1.76	PASS	
9325.00†	7164.71	2398.81	2522.78	9244.82	6982.44	2618.70	2522.43	-50.34	285.60	169.16	1.69	PASS	
9425.00†	7164.16	2398.55	2622.78	9344.82	6981.95	2618.45	2622.43	-50.35	285.58	175.69	1.63	PASS	
9525.00†	7163.62	2398.28	2722.77	9444.82	6981.46	2618.20	2722.43	-50.37	285.56	182.27	1.57	PASS	
9625.00†	7163.08	2398.02	2822.77	9544.82	6980.98	2617.95	2822.43	-50.38	285.53	188.92	1.51	PASS	
9725.00†	7162.53	2397.76	2922.77	9644.82	6980.49	2617.70	2922.42	-50.39	285.51	195.62	1.46	PASS	
9825.00†	7161.99	2397.50	3022.77	9744.82	6980.00	2617.46	3022.42	-50.40	285.49	202.36	1.41	PASS	
9925.00†	7161.44	2397.23	3122.77	9844.82	6979.51	2617.21	3122.42	-50.41	285.47	209.14	1.37	PASS	
10025.00†	7160.90	2396.97	3222.76	9944.82	6979.02	2616.96	3222.42	-50.42	285.44	215.96	1.32	PASS	
10125.00†	7160.36	2396.71	3322.76	10044.82	6978.53	2616.71	3322.42	-50.43	285.42	222.82	1.28	PASS	
10225.00†	7159.81	2396.45	3422.76	10144.82	6978.04	2616.47	3422.42	-50.44	285.40	229.71	1.24	PASS	
10325.00†	7159.27	2396.18	3522.76	10244.82	6977.55	2616.22	3522.41	-50.45	285.37	236.63	1.21	PASS	
10425.00†	7158.72	2395.92	3622.76	10344.82	6977.06	2615.97	3622.41	-50.46	285.35	243.57	1.17	PASS	
10525.00†	7158.18	2395.66	3722.76	10444.82	6976.57	2615.72	3722.41	-50.47	285.33	250.54	1.14	PASS	
10625.00†	7157.64	2395.39	3822.75	10544.82	6976.08	2615.47	3822.41	-50.48	285.30	257.53	1.11	PASS	
10725.00†	7157.09	2395.13	3922.75	10644.82	6975.59	2615.23	3922.41	-50.49	285.28	264.54	1.08	PASS	
10825.00†	7156.55	2394.87	4022.75	10744.82	6975.10	2614.98	4022.41	-50.50	285.26	271.58	1.05	PASS	
10925.00†	7156.01	2394.61	4122.75	10844.82	6974.61	2614.73	4122.41	-50.51	285.23	278.63	1.02	PASS	
11025.00†	7155.46	2394.34	4222.75	10944.82	6974.12	2614.48	4222.40	-50.52	285.21	285.70	1.00	FAIL	
11125.00†	7154.92	2394.08	4322.74	11044.82	6973.63	2614.24	4322.40	-50.53	285.19	292.78	0.97	FAIL	
11225.00†	7154.37	2393.82	4422.74	11144.82	6973.15	2613.99	4422.40	-50.54	285.16	299.88	0.95	FAIL	
11325.00†	7153.83	2393.56	4522.74	11244.82	6972.66	2613.74	4522.40	-50.55	285.14	306.99	0.93	FAIL	
11425.00†	7153.29	2393.29	4622.74	11344.82	6972.17	2613.49	4622.40	-50.56	285.12	314.12	0.91	FAIL	
11525.00†	7152.74	2393.03	4722.74	11444.82	6971.68	2613.25	4722.40	-50.57	285.09	321.26	0.89	FAIL	
11625.00†	7152.20	2392.77	4822.74	11544.82	6971.19	2613.00	4822.40	-50.58	285.07	328.41	0.87	FAIL	
11725.00†	7151.65	2392.51	4922.73	11644.82	6970.70	2612.75	4922.39	-50.59	285.05	335.57	0.85	FAIL	
11825.00†	7151.11	2392.24	5022.73	11744.82	6970.21	2612.50	5022.39	-50.60	285.03	342.75	0.83	FAIL	
11925.00†	7150.57	2391.98	5122.73	11844.82	6969.72	2612.25	5122.39	-50.61	285.00	349.93	0.81	FAIL	
12025.00†	7150.02	2391.72	5222.73	11944.82	6969.23	2612.01	5222.39	-50.62	284.98	357.13	0.80	FAIL	
12125.00†	7149.48	2391.45	5322.73	12044.82	6968.74	2611.76	5322.39	-50.63	284.96	364.33	0.78	FAIL	
12225.00†	7148.93	2391.19	5422.72	12144.82	6968.25	2611.51	5422.39	-50.64	284.93	371.54	0.77	FAIL	
12325.00†	7148.39	2390.93	5522.72	12244.82	6967.76	2611.26	5522.38	-50.66	284.91	378.76	0.75	FAIL	
12425.00†	7147.85	2390.67	5622.72	12344.82	6967.27	2611.02	5622.38	-50.67	284.89	385.99	0.74	FAIL	
12525.00†	7147.30	2390.40	5722.72	12444.82	6966.78	2610.77	5722.38	-50.68	284.86	393.22	0.72	FAIL	
12625.00†	7146.76	2390.14	5822.72	12544.82	6966.29	2610.52	5822.38	-50.69	284.84	400.46	0.71	FAIL	
12725.00†	7146.22	2389.88	5922.72	12644.82	6965.80	2610.27	5922.38	-50.70	284.82	407.71	0.70	FAIL	
12825.00†	7145.67	2389.62	6022.71	12744.82	6965.32	2610.02	6022.38	-50.71	284.80	414.97	0.69	FAIL	
12925.00†	7145.13	2389.35	6122.71	12844.82	6964.83	2609.78	6122.38	-50.72	284.77	422.23	0.67	FAIL	
13025.00†	7144.58	2389.09	6222.71	12944.82	6964.34	2609.53	6222.37	-50.73	284.75	429.50	0.66	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	13044.82	6963.85	2609.28	6322.37	-50.74	284.73	436.78	0.65	FAIL	
13225.00†	7143.50	2388.57	6422.71	13144.82	6963.36	2609.03	6422.37	-50.75	284.70	444.06	0.64	FAIL	
13325.00†	7142.95	2388.30	6522.70	13244.82	6962.87	2608.79	6522.37	-50.76	284.68	451.35	0.63	FAIL	
13425.00†	7142.41	2388.04	6622.70	13344.82	6962.38	2608.54	6622.37	-50.77	284.66	458.64	0.62	FAIL	
13525.00†	7141.86	2387.78	6722.70	13444.82	6961.89	2608.29	6722.37	-50.78	284.63	465.94	0.61	FAIL	
13625.00†	7141.32	2387.51	6822.70	13544.82	6961.40	2608.04	6822.36	-50.79	284.61	473.24	0.60	FAIL	
13725.00†	7140.78	2387.25	6922.70	13644.82	6960.91	2607.79	6922.36	-50.80	284.59	480.55	0.59	FAIL	
13825.00†	7140.23	2386.99	7022.70	13744.82	6960.42	2607.55	7022.36	-50.81	284.57	487.86	0.58	FAIL	
13925.00†	7139.69	2386.73	7122.69	13844.82	6959.93	2607.30	7122.36	-50.82	284.54	495.18	0.57	FAIL	
14025.00†	7139.14	2386.46	7222.69	13944.82	6959.44	2607.05	7222.36	-50.83	284.52	502.51	0.57	FAIL	
14125.00†	7138.60	2386.20	7322.69	14044.82	6958.95	2606.80	7322.36	-50.84	284.50	509.83	0.56	FAIL	
14225.00†	7138.06	2385.94	7422.69	14144.82	6958.46	2606.56	7422.36	-50.85	284.47	517.17	0.55	FAIL	
14325.00†	7137.51	2385.68	7522.69	14244.82	6957.97	2606.31	7522.35	-50.86	284.45	524.50	0.54	FAIL	
14425.00†	7136.97	2385.41	7622.68	14344.82	6957.48	2606.06	7622.35	-50.87	284.43	531.84	0.53	FAIL	
14525.00†	7136.43	2385.15	7722.68	14444.82	6957.00	2605.81	7722.35	-50.88	284.41	539.19	0.53	FAIL	
14625.00†	7135.88	2384.89	7822.68	14544.82	6956.51	2605.57	7822.35	-50.89	284.38	546.54	0.52	FAIL	
14725.00†	7135.34	2384.63	7922.68	14644.82	6956.02	2605.32	7922.35	-50.90	284.36	553.89	0.51	FAIL	
14825.00†	7134.79	2384.36	8022.68	14744.82	6955.53	2605.07	8022.35	-50.92	284.34	561.24	0.51	FAIL	
14925.00†	7134.25	2384.10	8122.68	14844.82	6955.04	2604.82	8122.34	-50.93	284.32	568.60	0.50	FAIL	
15025.00†	7133.71	2383.84	8222.67	14944.82	6954.55	2604.57	8222.34	-50.94	284.29	575.97	0.49	FAIL	
15125.00†	7133.16	2383.57	8322.67	15044.82	6954.06	2604.33	8322.34	-50.95	284.27	583.34	0.49	FAIL	
15225.00†	7132.62	2383.31	8422.67	15144.82	6953.57	2604.08	8422.34	-50.96	284.25	590.71	0.48	FAIL	
15325.00†	7132.07	2383.05	8522.67	15244.82	6953.08	2603.83	8522.34	-50.97	284.22	598.08	0.47	FAIL	
15338.67	7132.00	2383.01	8536.34	15258.49	6953.01	2603.80	8536.01	-50.97	284.22	599.09	0.47	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	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	1693.82	0.00	-8.99	103.54	15.24
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.82	0.00	-8.99	103.54	15.24
8.5in Open Hole	1750.00	15261.24	13511.24	1693.82	6953.00	103.54	15.24	793.63	2598.12

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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	15261.24	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	14417.44	7061.91	2156.98	71.87	1.91	7360.43	145.80	50.80	PASS	
125.00†	125.00	0.00	0.00	14417.93	7061.92	2156.95	72.36	1.92	7264.88	147.25	49.64	PASS	
200.00	200.00	0.00	0.00	14418.30	7061.92	2156.93	72.73	1.93	7193.30	148.01	48.90	PASS	
225.00†	225.00	0.11	0.03	14418.44	7061.92	2156.92	72.86	-12.29	7169.43	148.27	48.65	PASS	
325.00†	324.96	2.65	0.65	14419.19	7061.93	2156.88	73.61	-13.83	7073.38	149.26	47.68	PASS	
425.00†	424.77	8.57	2.12	14420.28	7061.94	2156.81	74.70	-15.78	6976.55	150.18	46.73	PASS	
525.00†	524.30	17.88	4.42	14421.71	7061.95	2156.72	76.13	-18.33	6879.00	151.02	45.82	PASS	
625.00†	623.44	30.55	7.55	14423.50	7061.97	2156.61	77.91	-21.78	6780.83	151.76	44.95	PASS	
725.00†	722.07	46.57	11.52	14425.63	7061.99	2156.49	80.05	-26.70	6682.14	152.41	44.10	PASS	
825.00†	820.05	65.92	16.30	14428.13	7062.01	2156.34	82.54	-34.12	6583.03	152.96	43.29	PASS	
925.00†	917.29	88.58	21.90	14430.99	7062.03	2156.18	85.39	-46.02	6483.59	153.40	42.51	PASS	
1025.00†	1013.64	114.52	28.32	14434.23	7062.06	2155.99	88.63	-65.55	6383.93	153.73	41.77	PASS	
1125.00†	1109.01	143.71	35.54	14437.85	7062.09	2155.80	92.24	-93.17	6284.18	153.94	41.06	PASS	
1225.00†	1203.27	176.12	43.55	14441.86	7062.13	2155.58	96.25	-119.52	6184.44	154.02	40.39	PASS	
1251.08	1227.65	185.09	45.77	14442.98	7062.14	2155.52	97.36	-124.98	6158.45	154.00	40.22	PASS	
1325.00†	1296.66	210.83	52.13	14446.19	7062.17	2155.36	100.57	-125.13	6084.79	154.02	39.74	PASS	
1425.00†	1390.00	245.65	60.74	14450.60	7062.20	2155.14	104.98	-125.34	5985.15	153.98	39.10	PASS	
1525.00†	1483.35	280.48	69.36	14455.08	7062.24	2154.93	109.45	-125.55	5885.51	153.96	38.45	PASS	
1625.00†	1576.69	315.30	77.97	14459.63	7062.28	2154.72	114.00	-125.77	5785.88	153.94	37.80	PASS	
1725.00†	1670.04	350.12	86.58	14464.25	7062.32	2154.52	118.62	-126.00	5686.26	153.92	37.16	PASS	
1825.00†	1763.38	384.95	95.19	14468.95	7062.36	2154.32	123.31	-126.23	5586.65	153.70	36.51	PASS	
1925.00†	1856.72	419.77	103.80	14473.73	7062.40	2154.13	128.08	-126.47	5487.04	153.67	35.87	PASS	
2025.00†	1950.07	454.59	112.41	14478.59	7062.44	2153.94	132.94	-126.72	5387.44	153.64	35.22	PASS	
2125.00†	2043.41	489.42	121.02	14483.52	7062.48	2153.77	137.87	-126.98	5287.85	153.61	34.58	PASS	
2225.00†	2136.76	524.24	129.63	14488.54	7062.52	2153.60	142.88	-127.24	5188.27	153.58	33.93	PASS	
2325.00†	2230.10	559.06	138.24	14493.65	7062.56	2153.44	147.99	-127.51	5088.69	153.55	33.29	PASS	
2425.00†	2323.45	593.89	146.85	14499.26	7062.61	2153.27	153.60	-127.82	4989.13	153.52	32.65	PASS	
2525.00†	2416.79	628.71	155.46	14507.18	7062.67	2153.04	161.51	-128.26	4889.56	153.51	31.99	PASS	
2625.00†	2510.14	663.53	164.08	14515.12	7062.73	2152.82	169.45	-128.71	4790.01	153.50	31.35	PASS	
2725.00†	2603.48	698.35	172.69	14523.07	7062.80	2152.60	177.40	-129.18	4690.45	153.49	30.70	PASS	
2825.00†	2696.83	733.18	181.30	14531.05	7062.86	2152.38	185.37	-129.67	4590.91	153.46	30.05	PASS	
2925.00†	2790.17	768.00	189.91	14539.05	7062.92	2152.17	193.37	-130.17	4491.36	153.44	29.40	PASS	
3025.00†	2883.51	802.82	198.52	14547.06	7062.98	2151.96	201.38	-130.69	4391.83	153.40	28.76	PASS	
3125.00†	2976.86	837.65	207.13	14555.10	7063.05	2151.75	209.42	-131.23	4292.30	153.36	28.11	PASS	
3225.00†	3070.20	872.47	215.74	14563.16	7063.11	2151.55	217.47	-131.79	4192.77	153.31	27.47	PASS	
3325.00†	3163.55	907.29	224.35	14571.24	7063.17	2151.34	225.55	-132.37	4093.25	153.24	26.83	PASS	
3425.00†	3256.89	942.12	232.96	14579.35	7063.23	2151.15	233.65	-132.97	3993.74	153.17	26.19	PASS	
3525.00†	3350.24	976.94	241.57	14587.47	7063.29	2150.95	241.77	-133.59	3894.24	153.09	25.55	PASS	
3625.00†	3443.58	1011.76	250.18	14596.67	7063.36	2150.72	250.97	-134.32	3794.74	153.01	24.91	PASS	
3725.00†	3536.93	1046.58	258.80	14605.88	7063.43	2150.49	260.18	-135.08	3695.25	152.91	24.27	PASS	
3825.00†	3630.27	1081.41	267.41	14615.03	7063.51	2150.24	269.33	-135.88	3595.76	152.79	23.64	PASS	
3925.00†	3723.62	1116.23	276.02	14624.13	7063.58	2149.99	278.42	-136.70	3496.29	152.65	23.01	PASS	
4025.00†	3816.96	1151.05	284.63	14633.17	7063.65	2149.72	287.45	-137.55	3396.82	152.50	22.37	PASS	
4125.00†	3910.30	1185.88	293.24	14642.15	7063.73	2149.45	296.43	-138.43	3297.36	152.32	21.74	PASS	
4225.00†	4003.65	1220.70	301.85	14651.07	7063.81	2149.17	305.35	-139.35	3197.91	152.11	21.12	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	14659.94	7063.88	2148.88	314.21	-140.30	3098.47	151.88	20.49	PASS		
4425.00†	4190.34	1290.35	319.07	14668.75	7063.96	2148.58	323.01	-141.29	2999.05	151.62	19.87	PASS		
4525.00†	4283.68	1325.17	327.68	14677.38	7064.04	2148.28	331.64	-142.29	2899.64	151.32	19.25	PASS		
4625.00†	4377.03	1359.99	336.29	14684.10	7064.10	2148.04	338.35	-143.11	2800.25	150.98	18.63	PASS		
4725.00†	4470.37	1394.82	344.90	14690.92	7064.16	2147.82	345.17	-143.96	2700.88	150.59	18.02	PASS		
4825.00†	4563.72	1429.64	353.52	14697.85	7064.23	2147.60	352.10	-144.85	2601.54	150.17	17.40	PASS		
4925.00†	4657.06	1464.46	362.13	14704.89	7064.29	2147.39	359.14	-145.78	2502.23	149.70	16.79	PASS		
5025.00†	4750.41	1499.28	370.74	14712.05	7064.36	2147.19	366.29	-146.77	2402.95	149.18	16.18	PASS		
5125.00†	4843.75	1534.11	379.35	14719.33	7064.43	2147.00	373.56	-147.80	2303.71	148.61	15.57	PASS		
5225.00†	4937.10	1568.93	387.96	14726.72	7064.50	2146.82	380.96	-148.88	2204.51	147.96	14.97	PASS		
5325.00†	5030.44	1603.75	396.57	14734.24	7064.57	2146.65	388.47	-150.02	2105.35	147.25	14.36	PASS		
5425.00†	5123.78	1638.58	405.18	14741.88	7064.65	2146.50	396.12	-151.22	2006.24	146.45	13.76	PASS		
5525.00†	5217.13	1673.40	413.79	14749.66	7064.72	2146.35	403.89	-152.49	1907.19	145.56	13.16	PASS		
5625.00†	5310.47	1708.22	422.40	14757.57	7064.80	2146.22	411.80	-153.82	1808.21	144.55	12.57	PASS		
5725.00†	5403.82	1743.05	431.01	14765.61	7064.88	2146.10	419.84	-155.23	1709.30	143.43	11.97	PASS		
5825.00†	5497.16	1777.87	439.62	14774.74	7064.98	2145.98	428.96	-156.88	1610.48	142.16	11.38	PASS		
5925.00†	5590.51	1812.69	448.24	14784.07	7065.06	2145.87	438.30	-158.65	1511.76	140.73	10.79	PASS		
6025.00†	5683.85	1847.51	456.85	14793.42	7065.15	2145.77	447.64	-160.49	1413.16	139.10	10.21	PASS		
6125.00†	5777.20	1882.34	465.46	14802.77	7065.23	2145.69	457.00	-162.41	1314.70	137.26	9.62	PASS		
6225.00†	5870.54	1917.16	474.07	14812.13	7065.30	2145.62	466.36	-164.40	1216.43	135.18	9.04	PASS		
6325.00†	5963.89	1951.98	482.68	14821.50	7065.37	2145.56	475.72	-166.48	1118.39	132.84	8.46	PASS		
6425.00†	6057.23	1986.81	491.29	14830.88	7065.44	2145.52	485.10	-168.62	1020.64	130.23	7.87	PASS		
6525.00†	6150.57	2021.63	499.90	14840.26	7065.50	2145.49	494.48	-170.85	923.29	127.38	7.28	PASS		
6625.00†	6243.92	2056.45	508.51	14849.65	7065.55	2145.48	503.87	-173.14	826.46	124.45	6.67	PASS		
6725.00†	6337.26	2091.28	517.12	14859.03	7065.61	2145.47	513.25	-175.50	730.37	121.80	6.03	PASS		
6825.00†	6430.61	2126.10	525.73	14868.29	7065.65	2145.47	522.51	-177.89	635.35	120.37	5.30	PASS		
6925.00†	6523.95	2160.92	534.34	14877.46	7065.70	2145.46	531.68	-179.69	541.97	122.39	4.45	PASS		
7025.00†	6617.30	2195.75	542.96	14886.54	7065.74	2145.44	540.76	-177.25	451.26	132.58	3.42	PASS		
7035.17	6626.79	2199.29	543.83	14887.46	7065.75	2145.44	541.68	-177.00	442.25	134.38	3.30	PASS		
7125.00†	6709.85	2230.27	557.84	14901.82	7065.81	2145.40	556.04	-167.86	365.94	159.28	2.30	PASS		
7225.00†	6799.11	2263.56	587.92	14932.09	7065.93	2145.26	586.31	-156.18	291.87	211.79	1.38	PASS		
7325.00†	6882.86	2294.78	632.54	14977.95	7066.06	2145.06	632.17	-142.72	236.59	291.62	0.81	FAIL		
7425.00†	6959.05	2323.17	690.58	15038.56	7066.11	2145.46	692.78	-126.50	207.48	375.31	0.55	FAIL		
7480.76†	6997.54	2337.51	728.26	15076.67	7066.13	2145.96	730.89	-116.73	203.47	407.94	0.50	FAIL		
7525.00†	7025.79	2348.03	760.63	15109.52	7066.18	2146.45	763.73	-108.80	205.61	423.33	0.48	FAIL		
7532.74†	7030.52	2349.79	766.51	15115.49	7066.19	2146.55	769.70	-107.42	206.37	425.15	0.48	FAIL		
7625.00†	7081.45	2368.75	840.96	15188.06	7066.26	2147.41	842.26	-92.53	221.87	431.65	0.51	FAIL		
7725.00†	7124.65	2384.81	929.59	15278.03	7066.26	2147.89	932.24	-79.71	244.02	424.92	0.57	FAIL		
7825.00†	7154.32	2395.83	1024.34	15315.00	7066.37	2148.34	969.20	-74.21	268.38	403.67	0.66	FAIL		
7925.00†	7169.75	2401.53	1122.87	15315.00	7066.37	2148.34	969.20	-70.11	313.70	354.98	0.88	FAIL		
7984.11	7172.00	2402.33	1181.91	15315.00	7066.37	2148.34	969.20	-67.24	347.73	324.35	1.07	PASS		
8025.00†	7171.78	2402.22	1222.80	15315.00	7066.37	2148.34	969.20	-67.24	374.01	304.15	1.23	PASS		
8125.00†	7171.23	2401.96	1322.80	15315.00	7066.37	2148.34	969.20	-67.24	447.61	261.11	1.72	PASS		
8225.00†	7170.69	2401.70	1422.80	15315.00	7066.37	2148.34	969.20	-67.24	529.93	227.92	2.33	PASS		
8325.00†	7170.15	2401.44	1522.80	15315.00	7066.37	2148.34	969.20	-67.24	617.49	202.86	3.05	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.20-T06N-R66W Slot: SLOT#06 HOOD 23N-22C-M (665°FSL & 1122°FEL SEC.20) Well: HOOD 23N-22C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8425.00†	7169.60	2401.17	1622.79	15315.00	7066.37	2148.34	969.20	67.24	708.35	183.83	3.86	PASS	
8525.00†	7169.06	2400.91	1722.79	15315.00	7066.37	2148.34	969.20	67.24	801.40	169.18	4.75	PASS	
8625.00†	7168.51	2400.65	1822.79	15315.00	7066.37	2148.34	969.20	67.24	895.94	157.71	5.70	PASS	
8725.00†	7167.97	2400.39	1922.79	15315.00	7066.37	2148.34	969.20	67.24	991.55	148.61	6.70	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1771.00	1746.00	10.00	1751.74	800.93	-4918.54	814.21	-4905.83
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1741.89	800.93	-4918.54	813.85	-4906.22
8.5in Open Hole	1771.00	15315.00	13544.00	1751.74	7066.37	814.21	-4905.83	1054.78	-2163.71

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2983.42	48.53	3981.84	50.19	80.87	PASS	
125.00†	125.00	0.00	0.00	110.00	125.00	2637.10	2983.42	48.53	3981.84	50.47	80.41	PASS	
200.00	200.00	0.00	0.00	185.00	200.00	2637.10	2983.42	48.53	3981.84	51.18	79.28	PASS	
225.00†	225.00	0.11	0.03	210.00	225.00	2637.10	2983.42	34.64	3981.75	51.48	78.80	PASS	
325.00†	324.96	2.65	0.65	309.96	324.96	2637.10	2983.42	34.68	3979.60	53.21	76.15	PASS	
425.00†	424.77	8.57	2.12	409.77	424.77	2637.10	2983.42	34.79	3974.58	55.56	72.78	PASS	
525.00†	524.30	17.88	4.42	509.30	524.30	2637.10	2983.42	34.96	3966.71	58.36	69.09	PASS	
625.00†	623.44	30.55	7.55	608.44	623.44	2637.10	2983.42	35.19	3955.99	61.51	65.32	PASS	
725.00†	722.07	46.57	11.52	707.07	722.07	2637.10	2983.42	35.49	3942.47	64.91	61.63	PASS	
825.00†	820.05	65.92	16.30	805.05	820.05	2637.10	2983.42	35.85	3926.16	68.51	58.11	PASS	
925.00†	917.29	88.58	21.90	902.29	917.29	2637.10	2983.42	36.28	3907.11	72.24	54.80	PASS	
1025.00†	1013.64	114.52	28.32	998.64	1013.64	2637.10	2983.42	36.77	3885.36	76.08	51.71	PASS	
1125.00†	1109.01	143.71	35.54	1094.01	1109.01	2637.10	2983.42	37.34	3860.96	80.00	48.84	PASS	
1225.00†	1203.27	176.12	43.55	1188.27	1203.27	2637.10	2983.42	37.98	3833.96	83.96	46.18	PASS	
1251.08	1227.65	185.09	45.77	1212.65	1227.65	2637.10	2983.42	38.16	3826.51	85.00	45.52	PASS	
1325.00†	1296.66	210.83	52.13	1281.66	1296.66	2637.10	2983.42	38.40	3805.16	87.95	43.73	PASS	
1425.00†	1390.00	245.65	60.74	1375.00	1390.00	2637.10	2983.42	38.73	3776.38	92.00	41.47	PASS	
1525.00†	1483.35	280.48	69.36	1468.35	1483.35	2637.10	2983.42	39.06	3747.72	96.12	39.38	PASS	
1625.00†	1576.69	315.30	77.97	1561.69	1576.69	2637.10	2983.42	39.40	3719.19	100.29	37.43	PASS	
1725.00†	1670.04	350.12	86.58	1655.04	1670.04	2637.10	2983.42	39.75	3690.79	104.52	35.63	PASS	
1825.00†	1763.38	384.95	95.19	1748.38	1763.38	2637.10	2983.42	40.10	3662.52	108.41	34.00	PASS	
1925.00†	1856.72	419.77	103.80	1841.72	1856.72	2637.10	2983.42	40.45	3634.39	112.45	32.52	PASS	
2025.00†	1950.07	454.59	112.41	1935.07	1950.07	2637.10	2983.42	40.81	3606.39	116.51	31.14	PASS	
2125.00†	2043.41	489.42	121.02	2028.41	2043.41	2637.10	2983.42	41.17	3578.53	120.61	29.84	PASS	
2225.00†	2136.76	524.24	129.63	2121.76	2136.76	2637.10	2983.42	41.55	3550.81	124.73	28.62	PASS	
2325.00†	2230.10	559.06	138.24	2215.10	2230.10	2637.10	2983.42	41.92	3523.25	128.88	27.48	PASS	
2425.00†	2323.45	593.89	146.85	2308.45	2323.45	2637.10	2983.42	42.30	3495.83	133.06	26.41	PASS	
2525.00†	2416.79	628.71	155.46	2401.79	2416.79	2637.10	2983.42	42.69	3468.57	137.26	25.40	PASS	
2625.00†	2510.14	663.53	164.08	2495.14	2510.14	2637.10	2983.42	43.08	3441.46	141.48	24.44	PASS	
2725.00†	2603.48	698.35	172.69	2588.48	2603.48	2637.10	2983.42	43.48	3414.52	145.73	23.54	PASS	
2825.00†	2696.83	733.18	181.30	2681.83	2696.83	2637.10	2983.42	43.88	3387.74	149.99	22.69	PASS	
2925.00†	2790.17	768.00	189.91	2775.17	2790.17	2637.10	2983.42	44.29	3361.14	154.28	21.88	PASS	
3025.00†	2883.51	802.82	198.52	2868.51	2883.51	2637.10	2983.42	44.71	3334.70	158.58	21.12	PASS	
3125.00†	2976.86	837.65	207.13	2961.86	2976.86	2637.10	2983.42	45.13	3308.45	162.90	20.39	PASS	
3225.00†	3070.20	872.47	215.74	3055.20	3070.20	2637.10	2983.42	45.56	3282.37	167.24	19.71	PASS	
3325.00†	3163.55	907.29	224.35	3148.55	3163.55	2637.10	2983.42	46.00	3256.48	171.59	19.05	PASS	
3425.00†	3256.89	942.12	232.96	3241.89	3256.89	2637.10	2983.42	46.44	3230.79	175.97	18.43	PASS	
3525.00†	3350.24	976.94	241.57	3335.24	3350.24	2637.10	2983.42	46.89	3205.28	180.35	17.84	PASS	
3625.00†	3443.58	1011.76	250.18	3428.58	3443.58	2637.10	2983.42	47.34	3179.98	184.76	17.27	PASS	
3725.00†	3536.93	1046.58	258.80	3521.93	3536.93	2637.10	2983.42	47.81	3154.89	189.17	16.74	PASS	
3825.00†	3630.27	1081.41	267.41	3615.27	3630.27	2637.10	2983.42	48.27	3130.00	193.61	16.22	PASS	
3925.00†	3723.62	1116.23	276.02	3708.62	3723.62	2637.10	2983.42	48.75	3105.33	198.05	15.73	PASS	
4025.00†	3816.96	1151.05	284.63	3801.96	3816.96	2637.10	2983.42	49.23	3080.88	202.51	15.26	PASS	
4125.00†	3910.30	1185.88	293.24	3895.30	3910.30	2637.10	2983.42	49.72	3056.65	206.98	14.82	PASS	
4225.00†	4003.65	1220.70	301.85	3988.65	4003.65	2637.10	2983.42	50.22	3032.65	211.46	14.39	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	4081.99	4096.99	2637.10	2983.42	50.72	3008.90	215.96	13.98	PASS		
4425.00†	4190.34	1290.35	319.07	4175.34	4190.34	2637.10	2983.42	51.24	2985.38	220.47	13.58	PASS		
4525.00†	4283.68	1325.17	327.68	4268.68	4283.68	2637.10	2983.42	51.75	2962.11	224.98	13.20	PASS		
4625.00†	4377.03	1359.99	336.29	4362.03	4377.03	2637.10	2983.42	52.28	2939.09	229.51	12.84	PASS		
4725.00†	4470.37	1394.82	344.90	4455.37	4470.37	2637.10	2983.42	52.82	2916.34	234.05	12.50	PASS		
4825.00†	4563.72	1429.64	353.52	4548.72	4563.72	2637.10	2983.42	53.36	2893.85	238.60	12.16	PASS		
4925.00†	4657.06	1464.46	362.13	4642.06	4657.06	2637.10	2983.42	53.91	2871.63	243.16	11.84	PASS		
5025.00†	4750.41	1499.28	370.74	4735.41	4750.41	2637.10	2983.42	54.46	2849.69	247.73	11.53	PASS		
5125.00†	4843.75	1534.11	379.35	4828.75	4843.75	2637.10	2983.42	55.03	2828.03	252.30	11.24	PASS		
5225.00†	4937.10	1568.93	387.96	4922.10	4937.10	2637.10	2983.42	55.60	2806.67	256.89	10.95	PASS		
5325.00†	5030.44	1603.75	396.57	5015.44	5030.44	2637.10	2983.42	56.18	2785.60	261.48	10.68	PASS		
5425.00†	5123.78	1638.58	405.18	5108.78	5123.78	2637.10	2983.42	56.77	2764.84	266.09	10.42	PASS		
5525.00†	5217.13	1673.40	413.79	5202.13	5217.13	2637.10	2983.42	57.37	2744.39	270.70	10.16	PASS		
5625.00†	5310.47	1708.22	422.40	5295.47	5310.47	2637.10	2983.42	57.98	2724.26	275.31	9.92	PASS		
5725.00†	5403.82	1743.05	431.01	5388.82	5403.82	2637.10	2983.42	58.59	2704.46	279.94	9.68	PASS		
5825.00†	5497.16	1777.87	439.62	5482.16	5497.16	2637.10	2983.42	59.21	2684.99	284.57	9.46	PASS		
5925.00†	5590.51	1812.69	448.24	5575.51	5590.51	2637.10	2983.42	59.84	2665.86	289.21	9.24	PASS		
6025.00†	5683.85	1847.51	456.85	5668.85	5683.85	2637.10	2983.42	60.48	2647.07	293.86	9.03	PASS		
6125.00†	5777.20	1882.34	465.46	5762.20	5777.20	2637.10	2983.42	61.12	2628.65	298.51	8.82	PASS		
6225.00†	5870.54	1917.16	474.07	5855.54	5870.54	2637.10	2983.42	61.78	2610.58	303.16	8.63	PASS		
6325.00†	5963.89	1951.98	482.68	5948.89	5963.89	2637.10	2983.42	62.44	2592.89	307.83	8.44	PASS		
6425.00†	6057.23	1986.81	491.29	6042.23	6057.23	2637.10	2983.42	63.11	2575.57	312.50	8.26	PASS		
6525.00†	6150.57	2021.63	499.90	6135.57	6150.57	2637.10	2983.42	63.79	2558.64	317.17	8.08	PASS		
6625.00†	6243.92	2056.45	508.51	6228.92	6243.92	2637.10	2983.42	64.47	2542.11	321.85	7.91	PASS		
6725.00†	6337.26	2091.28	517.12	6322.26	6337.26	2637.10	2983.42	65.17	2525.97	326.54	7.75	PASS		
6825.00†	6430.61	2126.10	525.73	6415.61	6430.61	2637.10	2983.42	65.87	2510.24	331.23	7.59	PASS		
6925.00†	6523.95	2160.92	534.34	6508.95	6523.95	2637.10	2983.42	66.58	2494.94	335.92	7.44	PASS		
7025.00†	6617.30	2195.75	542.96	6602.30	6617.30	2637.10	2983.42	67.30	2480.05	340.62	7.29	PASS		
7035.17	6626.79	2199.29	543.83	6611.79	6626.79	2637.10	2983.42	67.37	2478.56	341.10	7.28	PASS		
7125.00†	6709.85	2230.27	557.84	6694.85	6709.85	2637.10	2983.42	67.97	2459.45	345.41	7.13	PASS		
7225.00†	6799.11	2263.56	567.92	6784.11	6799.11	2637.10	2983.42	68.68	2444.44	350.48	6.93	PASS		
7325.00†	6882.86	2294.78	578.00	6867.86	6882.86	2637.10	2983.42	69.40	2424.44	355.34	6.70	PASS		
7425.00†	6959.05	2323.17	588.08	6944.05	6959.05	2637.10	2983.42	70.13	2404.44	359.72	6.44	PASS		
7525.00†	7025.79	2348.03	598.16	7010.79	7025.79	2637.10	2983.42	70.87	2384.44	363.51	6.18	PASS		
7625.00†	7081.45	2368.75	608.24	7066.45	7081.45	2637.10	2983.42	71.62	2364.44	366.61	5.90	PASS		
7725.00†	7124.65	2384.81	618.32	7109.65	7124.65	2637.10	2983.42	72.38	2344.44	368.94	5.62	PASS		
7825.00†	7154.32	2395.83	628.40	7139.32	7154.32	2637.10	2983.42	73.15	2324.44	370.46	5.34	PASS		
7925.00†	7169.75	2401.53	638.48	7154.75	7169.75	2637.10	2983.42	73.93	2304.44	371.14	5.06	PASS		
7984.11	7172.00	2402.33	648.56	7157.00	7172.00	2637.10	2983.42	74.72	2284.44	371.17	4.90	PASS		
8025.00†	7171.78	2402.22	658.64	7156.78	7171.78	2637.10	2983.42	75.52	2264.44	371.09	4.79	PASS		
8125.00†	7171.23	2401.96	668.72	7156.23	7171.23	2637.10	2983.42	76.33	2244.44	370.89	4.53	PASS		
8225.00†	7170.69	2401.70	678.80	7155.69	7170.69	2637.10	2983.42	77.15	2224.44	370.69	4.26	PASS		
8325.00†	7170.15	2401.44	688.88	7155.15	7170.15	2637.10	2983.42	77.98	2204.44	370.48	4.00	PASS		
8425.00†	7169.60	2401.17	698.96	7154.60	7169.60	2637.10	2983.42	78.82	2184.44	370.28	3.73	PASS		
8525.00†	7169.06	2400.91	709.04	7154.06	7169.06	2637.10	2983.42	79.67	2164.44	370.10	3.47	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.22-T06N-R66W Slot: SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD) Well: EX. SCHAEFER 2-22 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7168.51	2400.65	1822.79	7153.51	7168.51	2637.10	2983.42	-91.51	1184.47	369.94	3.21	PASS	
8725.00†	7167.97	2400.39	1922.79	7152.97	7167.97	2637.10	2983.42	-91.38	1086.72	369.85	2.94	PASS	
8825.00†	7167.43	2400.12	2022.79	7152.43	7167.43	2637.10	2983.42	-91.25	989.43	369.85	2.68	PASS	
8925.00†	7166.88	2399.86	2122.78	7151.88	7166.88	2637.10	2983.42	-91.12	892.73	370.03	2.42	PASS	
9025.00†	7166.34	2399.60	2222.78	7151.34	7166.34	2637.10	2983.42	-90.99	796.85	370.51	2.15	PASS	
9125.00†	7165.79	2399.33	2322.78	7150.79	7165.79	2637.10	2983.42	-90.86	702.12	371.52	1.89	PASS	
9225.00†	7165.25	2399.07	2422.78	7150.25	7165.25	2637.10	2983.42	-90.73	609.08	373.47	1.63	PASS	
9325.00†	7164.71	2398.81	2522.78	7149.71	7164.71	2637.10	2983.42	-90.60	518.63	377.06	1.38	PASS	
9425.00†	7164.16	2398.55	2622.78	7149.16	7164.16	2637.10	2983.42	-90.47	432.40	383.49	1.13	PASS	
9525.00†	7163.62	2398.28	2722.77	7148.62	7163.62	2637.10	2983.42	-90.34	353.51	394.53	0.90	FAIL	
9625.00†	7163.08	2398.02	2822.77	7148.08	7163.08	2637.10	2983.42	-90.21	288.04	411.67	0.70	FAIL	
9725.00†	7162.53	2397.76	2922.77	7147.53	7162.53	2637.10	2983.42	-90.08	246.91	431.88	0.57	FAIL	
9785.01†	7162.21	2397.60	2982.78	7147.76	7162.76	2637.10	2983.42	-90.13	239.50	440.52	0.54	FAIL	
9795.43†	7162.15	2397.57	2993.20	7147.15	7162.15	2637.10	2983.42	-89.99	239.73	441.44	0.54	FAIL	
9825.00†	7161.99	2397.50	3022.77	7146.99	7161.99	2637.10	2983.42	-89.95	242.82	443.03	0.55	FAIL	
9925.00†	7161.44	2397.23	3122.77	7146.44	7161.44	2637.10	2983.42	-89.82	277.41	438.80	0.63	FAIL	
10025.00†	7160.90	2396.97	3222.76	7145.90	7160.90	2637.10	2983.42	-89.69	339.04	428.13	0.79	FAIL	
10125.00†	7160.36	2396.71	3322.76	7145.36	7160.36	2637.10	2983.42	-89.56	415.87	418.14	0.99	FAIL	
10225.00†	7159.81	2396.45	3422.76	7144.81	7159.81	2637.10	2983.42	-89.43	500.94	410.41	1.22	PASS	
10325.00†	7159.27	2396.18	3522.76	7144.27	7159.27	2637.10	2983.42	-89.30	590.71	404.64	1.46	PASS	
10425.00†	7158.72	2395.92	3622.76	7143.72	7158.72	2637.10	2983.42	-89.17	683.32	400.32	1.71	PASS	
10525.00†	7158.18	2395.66	3722.76	7143.18	7158.18	2637.10	2983.42	-89.04	777.77	397.02	1.96	PASS	
10625.00†	7157.64	2395.39	3822.75	7142.64	7157.64	2637.10	2983.42	-88.91	873.45	394.45	2.22	PASS	
10725.00†	7157.09	2395.13	3922.75	7142.09	7157.09	2637.10	2983.42	-88.78	970.00	392.41	2.47	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

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TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	31.74	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	30.05	90.00	30.05	2.29	21.89	PASS	
225.00†	225.00	0.11	0.03	224.93	224.93	0.10	30.08	76.11	30.06	2.43	19.80	PASS	
325.00†	324.96	2.65	0.65	324.64	324.60	2.61	30.80	76.17	30.14	3.08	13.79	PASS	
425.00†	424.77	8.57	2.12	424.35	424.12	8.44	32.46	76.30	30.35	3.87	10.12	PASS	
525.00†	524.30	17.88	4.42	524.07	523.38	17.61	35.08	76.51	30.67	4.68	7.99	PASS	
625.00†	623.44	30.55	7.55	623.78	622.24	30.09	38.64	76.78	31.11	5.58	6.52	PASS	
725.00†	722.07	46.57	11.52	723.50	720.59	45.86	43.15	77.11	31.67	6.62	5.43	PASS	
825.00†	820.05	65.92	16.30	823.21	818.31	64.93	48.59	77.50	32.35	7.82	4.57	PASS	
925.00†	917.29	88.58	21.90	922.93	915.28	87.25	54.96	77.93	33.15	9.21	3.90	PASS	
1025.00†	1013.64	114.52	28.32	1022.64	1011.38	112.80	62.26	78.40	34.06	10.81	3.36	PASS	
1125.00†	1109.01	143.71	35.54	1122.51	1106.81	141.10	70.34	79.76	34.97	12.56	2.93	PASS	
1225.00†	1203.27	176.12	43.55	1222.43	1202.18	169.75	78.52	86.05	35.56	14.49	2.56	PASS	
1251.08	1227.65	185.09	45.77	1248.45	1227.03	177.21	80.65	88.56	35.76	15.01	2.48	PASS	
1325.00†	1296.66	210.83	52.13	1322.22	1297.44	198.35	86.69	96.01	36.74	16.52	2.30	PASS	
1425.00†	1390.00	245.65	60.74	1422.01	1392.69	226.96	94.85	105.27	38.99	18.43	2.18	PASS	
1525.00†	1483.35	280.48	69.36	1521.80	1487.94	255.56	103.02	113.34	42.13	20.10	2.15	PASS	
1625.00†	1576.69	315.30	77.97	1621.58	1583.19	284.17	111.19	120.18	45.99	21.52	2.19	PASS	
1725.00†	1670.04	350.12	86.58	1721.37	1678.44	312.77	119.35	125.89	50.40	22.75	2.27	PASS	
1825.00†	1763.38	384.95	95.19	1821.16	1773.69	341.38	127.52	130.65	55.23	22.80	2.47	PASS	
1925.00†	1856.72	419.77	103.80	1920.94	1868.94	369.98	135.69	134.63	60.38	22.37	2.76	PASS	
2025.00†	1950.07	454.59	112.41	2020.73	1964.19	398.59	143.86	137.96	65.77	22.07	3.05	PASS	
2125.00†	2043.41	489.42	121.02	2120.52	2059.44	427.19	152.02	140.79	71.34	21.91	3.33	PASS	
2225.00†	2136.76	524.24	129.63	2220.31	2154.69	455.80	160.19	143.20	77.07	21.90	3.60	PASS	
2325.00†	2230.10	559.06	138.24	2320.09	2249.94	484.40	168.36	145.27	82.92	22.01	3.86	PASS	
2425.00†	2323.45	593.89	146.85	2419.88	2345.19	513.00	176.53	147.07	88.85	22.23	4.09	PASS	
2525.00†	2416.79	628.71	155.46	2519.67	2440.44	541.61	184.69	148.64	94.87	22.57	4.31	PASS	
2625.00†	2510.14	663.53	164.08	2619.46	2535.69	570.21	192.86	150.02	100.94	22.99	4.50	PASS	
2725.00†	2603.48	698.35	172.69	2719.24	2630.94	598.82	201.03	151.25	107.07	23.50	4.67	PASS	
2825.00†	2696.83	733.18	181.30	2819.03	2726.19	627.42	209.19	152.34	113.25	24.09	4.81	PASS	
2925.00†	2790.17	768.00	189.91	2918.82	2821.44	656.03	217.36	153.32	119.45	24.74	4.94	PASS	
3025.00†	2883.51	802.82	198.52	3018.60	2916.69	684.63	225.53	154.20	125.70	25.45	5.05	PASS	
3125.00†	2976.86	837.65	207.13	3118.39	3011.94	713.24	233.70	155.00	131.96	26.22	5.15	PASS	
3225.00†	3070.20	872.47	215.74	3218.18	3107.19	741.84	241.86	155.73	138.25	27.03	5.23	PASS	
3325.00†	3163.55	907.29	224.35	3317.97	3202.44	770.45	250.03	156.39	144.56	27.89	5.29	PASS	
3425.00†	3256.89	942.12	232.96	3417.75	3297.69	799.05	258.20	157.00	150.89	28.78	5.35	PASS	
3525.00†	3350.24	976.94	241.57	3517.54	3392.94	827.66	266.37	157.56	157.24	29.70	5.40	PASS	
3625.00†	3443.58	1011.76	250.18	3617.33	3488.19	856.26	274.53	158.07	163.60	30.66	5.44	PASS	
3725.00†	3536.93	1046.58	258.80	3717.12	3583.44	884.87	282.70	158.55	169.97	31.64	5.47	PASS	
3825.00†	3630.27	1081.41	267.41	3816.90	3678.69	913.47	290.87	158.99	176.35	32.64	5.50	PASS	
3925.00†	3723.62	1116.23	276.02	3916.69	3773.94	942.07	299.03	159.40	182.74	33.66	5.52	PASS	
4025.00†	3816.96	1151.05	284.63	4016.48	3869.19	970.68	307.20	159.79	189.14	34.71	5.54	PASS	
4125.00†	3910.30	1185.88	293.24	4116.26	3964.44	999.28	315.37	160.15	195.54	35.77	5.56	PASS	
4225.00†	4003.65	1220.70	301.85	4216.05	4059.69	1027.89	323.54	160.48	201.96	36.84	5.57	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4315.84	4154.94	1056.49	331.70	160.80	208.38	37.93	5.58	PASS	
4425.00†	4190.34	1290.35	319.07	4415.63	4250.19	1085.10	339.87	161.09	214.81	39.03	5.59	PASS	
4525.00†	4283.68	1325.17	327.68	4515.41	4345.44	1113.70	348.04	161.37	221.24	40.15	5.59	PASS	
4625.00†	4377.03	1359.99	336.29	4615.20	4440.69	1142.31	356.21	161.64	227.68	41.27	5.60	PASS	
4725.00†	4470.37	1394.82	344.90	4714.99	4535.94	1170.91	364.37	161.88	234.12	42.40	5.60	PASS	
4825.00†	4563.72	1429.64	353.52	4814.78	4631.19	1199.52	372.54	162.12	240.56	43.54	5.60	PASS	
4925.00†	4657.06	1464.46	362.13	4914.56	4726.44	1228.12	380.71	162.34	247.01	44.69	5.60	PASS	
5025.00†	4750.41	1499.28	370.74	5014.35	4821.69	1256.73	388.87	162.55	253.47	45.85	5.60	PASS	
5125.00†	4843.75	1534.11	379.35	5114.14	4916.94	1285.33	397.04	162.76	259.92	47.01	5.60	PASS	
5225.00†	4937.10	1568.93	387.96	5213.93	5012.19	1313.94	405.21	162.95	266.38	48.18	5.60	PASS	
5325.00†	5030.44	1603.75	396.57	5313.71	5107.44	1342.54	413.38	163.13	272.85	49.36	5.59	PASS	
5425.00†	5123.78	1638.58	405.18	5413.50	5202.69	1371.14	421.54	163.30	279.31	50.54	5.59	PASS	
5525.00†	5217.13	1673.40	413.79	5513.29	5297.94	1399.75	429.71	163.47	285.78	51.72	5.59	PASS	
5625.00†	5310.47	1708.22	422.40	5613.07	5393.19	1428.35	437.88	163.63	292.25	52.91	5.58	PASS	
5725.00†	5403.82	1743.05	431.01	5712.86	5488.44	1456.96	446.05	163.78	298.72	54.10	5.58	PASS	
5825.00†	5497.16	1777.87	439.62	5812.65	5583.69	1485.56	454.21	163.93	305.19	55.30	5.58	PASS	
5925.00†	5590.51	1812.69	448.24	5912.44	5678.94	1514.17	462.38	164.07	311.67	56.50	5.57	PASS	
6025.00†	5683.85	1847.51	456.85	6012.22	5774.19	1542.77	470.55	164.20	318.15	57.70	5.57	PASS	
6125.00†	5777.20	1882.34	465.46	6112.01	5869.44	1571.38	478.71	164.33	324.63	58.91	5.57	PASS	
6225.00†	5870.54	1917.16	474.07	6211.80	5964.69	1599.98	486.88	164.45	331.11	60.12	5.56	PASS	
6325.00†	5963.88	1951.98	482.68	6311.59	6059.94	1628.59	495.05	164.57	337.59	61.33	5.56	PASS	
6425.00†	6057.23	1986.81	491.29	6411.37	6155.19	1657.19	503.22	164.68	344.07	62.55	5.55	PASS	
6525.00†	6150.57	2021.63	499.90	6511.16	6250.44	1685.80	511.38	164.79	350.56	63.77	5.55	PASS	
6625.00†	6243.92	2056.45	508.51	6610.95	6345.69	1714.40	519.55	164.90	357.04	64.99	5.54	PASS	
6725.00†	6337.26	2091.28	517.12	6710.73	6440.94	1743.01	527.72	165.00	363.53	66.21	5.54	PASS	
6825.00†	6430.61	2126.10	525.73	6810.52	6536.19	1771.61	535.88	165.10	370.02	67.43	5.53	PASS	
6925.00†	6523.95	2160.92	534.34	6909.96	6631.08	1800.11	544.37	165.14	376.52	68.66	5.53	PASS	
7025.00†	6617.30	2195.75	542.96	7006.90	6722.15	1827.44	552.77	163.65	383.45	69.93	5.53	PASS	
7035.17	6626.73	2199.29	543.83	7016.53	6731.03	1830.10	565.39	163.38	384.22	70.06	5.53	PASS	
7125.00†	6709.85	2230.27	557.84	7100.39	6806.47	1852.73	593.99	142.30	391.38	71.28	5.54	PASS	
7225.00†	6799.11	2263.56	567.92	7191.57	6883.64	1875.86	636.52	125.28	399.77	72.78	5.54	PASS	
7325.00†	6882.86	2294.78	576.54	7280.79	6952.78	1896.57	688.87	113.64	408.21	74.43	5.53	PASS	
7425.00†	6959.05	2323.17	585.16	7368.38	7013.18	1914.64	749.56	105.54	416.30	76.30	5.50	PASS	
7525.00†	7025.79	2348.03	593.78	7454.62	7064.32	1929.92	817.21	99.76	423.68	78.54	5.43	PASS	
7625.00†	7081.45	2368.75	602.40	7539.79	7105.78	1942.28	890.50	95.63	430.03	81.26	5.33	PASS	
7725.00†	7124.65	2384.81	611.02	7624.14	7137.26	1951.64	968.13	92.76	435.07	84.49	5.18	PASS	
7825.00†	7154.32	2395.83	619.64	7707.91	7158.53	1957.93	1048.85	90.93	438.61	88.59	4.98	PASS	
7925.00†	7169.75	2401.53	628.26	7791.33	7169.44	1961.10	1131.43	90.01	440.51	92.05	4.81	PASS	
7984.11	7172.00	2402.33	636.88	7840.64	7171.00	1961.51	1180.71	89.87	440.83	94.45	4.69	PASS	
8025.00†	7171.78	2402.22	645.50	7881.53	7170.80	1961.40	1221.59	89.87	440.83	96.62	4.59	PASS	
8125.00†	7171.23	2401.96	654.12	7981.53	7170.31	1961.12	1321.59	89.88	440.84	102.31	4.33	PASS	
8225.00†	7170.69	2401.70	662.74	8081.53	7169.82	1960.85	1421.59	89.89	440.85	108.48	4.08	PASS	
8325.00†	7170.15	2401.44	671.36	8181.53	7169.33	1960.58	1521.59	89.89	440.86	115.08	3.85	PASS	
8425.00†	7169.60	2401.17	680.00	8281.53	7168.84	1960.30	1621.59	89.90	440.87	122.02	3.63	PASS	
8525.00†	7169.06	2400.91	688.62	8381.53	7168.35	1960.03	1721.59	89.91	440.88	129.25	3.42	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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†	7168.51	2400.65	1822.79	8481.53	7167.86	1959.76	1821.58	89.92	440.89	136.73	3.24	PASS	
8725.00†	7167.97	2400.39	1922.79	8581.53	7167.37	1959.49	1921.58	89.92	440.90	144.41	3.06	PASS	
8825.00†	7167.43	2400.12	2022.79	8681.53	7166.88	1959.21	2021.58	89.93	440.91	152.27	2.90	PASS	
8925.00†	7166.88	2399.86	2122.78	8781.53	7166.39	1958.94	2121.58	89.94	440.92	160.28	2.76	PASS	
9025.00†	7166.34	2399.60	2222.78	8881.53	7165.90	1958.67	2221.58	89.94	440.93	168.42	2.62	PASS	
9125.00†	7165.79	2399.33	2322.78	8981.53	7165.41	1958.40	2321.58	89.95	440.94	176.67	2.50	PASS	
9225.00†	7165.25	2399.07	2422.78	9081.53	7164.92	1958.12	2421.58	89.96	440.95	185.01	2.39	PASS	
9325.00†	7164.71	2398.81	2522.78	9181.53	7164.43	1957.85	2521.57	89.96	440.96	193.44	2.28	PASS	
9425.00†	7164.16	2398.55	2622.78	9281.53	7163.94	1957.58	2621.57	89.97	440.97	201.93	2.19	PASS	
9525.00†	7163.62	2398.28	2722.77	9381.53	7163.45	1957.30	2721.57	89.98	440.98	210.50	2.10	PASS	
9625.00†	7163.08	2398.02	2822.77	9481.53	7162.96	1957.03	2821.57	89.99	440.99	219.12	2.02	PASS	
9725.00†	7162.53	2397.76	2922.77	9581.53	7162.47	1956.76	2921.57	89.99	441.00	227.79	1.94	PASS	
9825.00†	7161.99	2397.50	3022.77	9681.53	7161.98	1956.49	3021.57	90.00	441.01	236.50	1.87	PASS	
9925.00†	7161.44	2397.23	3122.77	9781.53	7161.49	1956.21	3121.56	90.01	441.02	245.25	1.80	PASS	
10025.00†	7160.90	2396.97	3222.76	9881.53	7161.00	1955.94	3221.56	90.01	441.03	254.04	1.74	PASS	
10125.00†	7160.36	2396.71	3322.76	9981.53	7160.51	1955.67	3321.56	90.02	441.04	262.86	1.68	PASS	
10225.00†	7159.81	2396.45	3422.76	10081.53	7160.02	1955.40	3421.56	90.03	441.05	271.71	1.62	PASS	
10325.00†	7159.27	2396.18	3522.76	10181.53	7159.54	1955.12	3521.56	90.04	441.06	280.59	1.57	PASS	
10425.00†	7158.72	2395.92	3622.76	10281.53	7159.05	1954.85	3621.56	90.04	441.07	289.49	1.52	PASS	
10525.00†	7158.18	2395.66	3722.76	10381.53	7158.56	1954.58	3721.55	90.05	441.08	298.41	1.48	PASS	
10625.00†	7157.64	2395.39	3822.75	10481.53	7158.07	1954.31	3821.55	90.06	441.09	307.35	1.44	PASS	
10725.00†	7157.09	2395.13	3922.75	10581.53	7157.58	1954.03	3921.55	90.06	441.10	316.31	1.40	PASS	
10825.00†	7156.55	2394.87	4022.75	10681.53	7157.09	1953.76	4021.55	90.07	441.11	325.29	1.36	PASS	
10925.00†	7156.01	2394.61	4122.75	10781.53	7156.60	1953.49	4121.55	90.08	441.12	334.28	1.32	PASS	
11025.00†	7155.46	2394.34	4222.75	10881.53	7156.11	1953.21	4221.55	90.08	441.13	343.28	1.29	PASS	
11125.00†	7154.92	2394.08	4322.74	10981.53	7155.62	1952.94	4321.54	90.09	441.14	352.30	1.25	PASS	
11225.00†	7154.37	2393.82	4422.74	11081.53	7155.13	1952.67	4421.54	90.10	441.15	361.33	1.22	PASS	
11325.00†	7153.83	2393.56	4522.74	11181.53	7154.64	1952.40	4521.54	90.11	441.16	370.37	1.19	PASS	
11425.00†	7153.29	2393.29	4622.74	11281.53	7154.15	1952.12	4621.54	90.11	441.17	379.42	1.16	PASS	
11525.00†	7152.74	2393.03	4722.74	11381.53	7153.66	1951.85	4721.54	90.12	441.18	388.48	1.14	PASS	
11625.00†	7152.20	2392.77	4822.74	11481.53	7153.17	1951.58	4821.54	90.13	441.19	397.55	1.11	PASS	
11725.00†	7151.65	2392.51	4922.73	11581.53	7152.68	1951.31	4921.54	90.13	441.20	406.63	1.09	PASS	
11825.00†	7151.11	2392.24	5022.73	11681.53	7152.19	1951.03	5021.53	90.14	441.21	415.72	1.06	PASS	
11925.00†	7150.57	2391.98	5122.73	11781.53	7151.70	1950.76	5121.53	90.15	441.22	424.81	1.04	PASS	
12025.00†	7150.02	2391.72	5222.73	11881.53	7151.21	1950.49	5221.53	90.15	441.23	433.91	1.02	PASS	
12125.00†	7149.48	2391.45	5322.73	11981.53	7150.72	1950.21	5321.53	90.16	441.24	443.02	1.00	FAIL	
12225.00†	7148.93	2391.19	5422.72	12081.53	7150.23	1949.94	5421.53	90.17	441.25	452.13	0.98	FAIL	
12325.00†	7148.39	2390.93	5522.72	12181.53	7149.74	1949.67	5521.53	90.18	441.26	461.25	0.96	FAIL	
12425.00†	7147.85	2390.67	5622.72	12281.53	7149.25	1949.40	5621.52	90.18	441.27	470.37	0.94	FAIL	
12525.00†	7147.30	2390.40	5722.72	12381.53	7148.76	1949.12	5721.52	90.19	441.28	479.50	0.92	FAIL	
12625.00†	7146.76	2390.14	5822.72	12481.53	7148.27	1948.85	5821.52	90.20	441.29	488.63	0.90	FAIL	
12725.00†	7146.22	2389.88	5922.72	12581.53	7147.78	1948.58	5921.52	90.20	441.30	497.77	0.89	FAIL	
12825.00†	7145.67	2389.62	6022.71	12681.53	7147.29	1948.31	6021.52	90.21	441.31	506.91	0.87	FAIL	
12925.00†	7145.13	2389.35	6122.71	12781.53	7146.80	1948.03	6121.52	90.22	441.32	516.06	0.85	FAIL	
13025.00†	7144.58	2389.09	6222.71	12881.53	7146.31	1947.76	6221.51	90.23	441.33	525.21	0.84	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	12981.53	7145.82	1947.49	6321.51	90.23	441.35	534.36	0.83	FAIL	
13225.00†	7143.50	2388.57	6422.71	13081.53	7145.33	1947.22	6421.51	90.24	441.36	543.52	0.81	FAIL	
13325.00†	7142.95	2388.30	6522.70	13181.53	7144.85	1946.94	6521.51	90.25	441.37	552.68	0.80	FAIL	
13425.00†	7142.41	2388.04	6622.70	13281.53	7144.36	1946.67	6621.51	90.25	441.38	561.84	0.79	FAIL	
13525.00†	7141.86	2387.78	6722.70	13381.53	7143.87	1946.40	6721.51	90.26	441.39	571.00	0.77	FAIL	
13625.00†	7141.32	2387.51	6822.70	13481.53	7143.38	1946.12	6821.51	90.27	441.40	580.17	0.76	FAIL	
13725.00†	7140.78	2387.25	6922.70	13581.53	7142.89	1945.85	6921.50	90.27	441.41	589.34	0.75	FAIL	
13825.00†	7140.23	2386.99	7022.70	13681.53	7142.40	1945.58	7021.50	90.28	441.42	598.52	0.74	FAIL	
13925.00†	7139.69	2386.73	7122.69	13781.53	7141.91	1945.31	7121.50	90.29	441.43	607.69	0.73	FAIL	
14025.00†	7139.14	2386.46	7222.69	13881.53	7141.42	1945.03	7221.50	90.30	441.44	616.87	0.72	FAIL	
14125.00†	7138.60	2386.20	7322.69	13981.53	7140.93	1944.76	7321.50	90.30	441.45	626.05	0.70	FAIL	
14225.00†	7138.06	2385.94	7422.69	14081.53	7140.44	1944.49	7421.50	90.31	441.46	635.24	0.69	FAIL	
14325.00†	7137.51	2385.68	7522.69	14181.53	7139.95	1944.22	7521.49	90.32	441.47	644.42	0.68	FAIL	
14425.00†	7136.97	2385.41	7622.68	14281.53	7139.46	1943.94	7621.49	90.32	441.48	653.61	0.68	FAIL	
14525.00†	7136.43	2385.15	7722.68	14381.53	7138.97	1943.67	7721.49	90.33	441.49	662.80	0.67	FAIL	
14625.00†	7135.88	2384.89	7822.68	14481.53	7138.48	1943.40	7821.49	90.34	441.50	671.99	0.66	FAIL	
14725.00†	7135.34	2384.63	7922.68	14581.53	7137.99	1943.13	7921.49	90.34	441.51	681.18	0.65	FAIL	
14825.00†	7134.79	2384.36	8022.68	14681.53	7137.50	1942.85	8021.49	90.35	441.52	690.37	0.64	FAIL	
14925.00†	7134.25	2384.10	8122.68	14781.53	7137.01	1942.58	8121.48	90.36	441.53	699.57	0.63	FAIL	
15025.00†	7133.71	2383.84	8222.67	14881.53	7136.52	1942.31	8221.48	90.37	441.54	708.76	0.62	FAIL	
15125.00†	7133.16	2383.57	8322.67	14981.53	7136.03	1942.03	8321.48	90.37	441.55	717.96	0.61	FAIL	
15225.00†	7132.62	2383.31	8422.67	15081.53	7135.54	1941.76	8421.48	90.38	441.56	727.16	0.61	FAIL	
15325.00†	7132.07	2383.05	8522.67	15181.53	7135.05	1941.49	8521.48	90.39	441.57	736.36	0.60	FAIL	
15338.67	7132.00	2383.01	8536.34	15192.09	7135.00	1941.46	8532.04	90.39	441.58	737.29	0.60	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	46.25
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1705.77	0.00	18.32	97.83	46.25
8.5in Open Hole	1750.00	15192.09	13442.09	1705.77	7135.00	97.83	46.25	591.76	2609.72

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-29.77	-90.00	29.77	1.56	48.02	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-29.77	-90.00	29.77	1.88	31.44	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-29.77	-90.00	29.77	2.29	21.68	PASS	
225.00†	225.00	0.11	0.03	225.06	225.06	0.11	-29.75	-103.89	29.78	2.43	19.61	PASS	
325.00†	324.96	2.65	0.65	325.28	325.24	2.67	-29.18	-103.85	29.84	3.07	13.70	PASS	
425.00†	424.77	8.57	2.12	425.51	425.27	8.66	-27.85	-103.75	29.98	3.83	10.10	PASS	
525.00†	524.30	17.88	4.42	525.73	525.03	18.06	-25.77	-103.61	30.20	4.64	7.95	PASS	
625.00†	623.44	30.55	7.55	625.95	624.38	30.86	-22.94	-103.42	30.51	5.55	6.45	PASS	
725.00†	722.07	46.57	11.52	726.17	723.22	47.04	-19.35	-103.18	30.89	6.59	5.32	PASS	
825.00†	820.05	65.92	16.30	826.39	821.41	66.59	-15.02	-102.89	31.36	7.81	4.44	PASS	
925.00†	917.29	88.58	21.90	926.61	918.84	89.48	-9.95	-102.57	31.91	9.21	3.75	PASS	
1025.00†	1013.64	114.52	28.32	1026.82	1015.39	115.69	-4.15	-102.22	32.53	10.82	3.20	PASS	
1125.00†	1109.01	143.71	35.54	1127.03	1110.94	145.17	2.39	-101.84	33.24	12.62	2.77	PASS	
1225.00†	1203.27	176.12	43.55	1227.24	1205.37	177.89	9.64	-101.43	34.03	14.63	2.42	PASS	
1251.08	1227.65	185.09	45.77	1253.37	1229.80	186.96	11.64	-101.32	34.24	15.06	2.36	PASS	
1325.00†	1296.66	210.83	52.13	1327.43	1298.55	213.82	17.59	-99.47	34.72	16.84	2.13	PASS	
1425.00†	1390.00	245.65	60.74	1427.43	1390.22	252.82	26.23	-92.14	35.25	19.22	1.88	PASS	
1525.00†	1483.35	280.48	69.36	1527.18	1480.63	293.96	35.35	-81.27	36.68	21.54	1.74	PASS	
1625.00†	1576.69	315.30	77.97	1626.93	1571.00	335.19	44.48	-71.38	39.36	23.49	1.70	PASS	
1725.00†	1670.04	350.12	86.58	1726.68	1661.37	376.42	53.62	-62.96	43.05	25.02	1.75	PASS	
1825.00†	1763.38	384.95	95.19	1826.42	1751.73	417.66	62.75	-55.99	47.52	24.98	1.93	PASS	
1925.00†	1856.72	419.77	103.80	1926.17	1842.10	458.89	71.88	-50.28	52.56	24.26	2.20	PASS	
2025.00†	1950.07	454.59	112.41	2025.92	1932.47	500.13	81.02	-45.60	58.04	23.72	2.49	PASS	
2125.00†	2043.41	489.42	121.02	2125.67	2022.83	541.36	90.15	-41.76	63.83	23.38	2.78	PASS	
2225.00†	2136.76	524.24	129.63	2225.42	2113.20	582.59	99.29	-38.56	69.86	23.22	3.07	PASS	
2325.00†	2230.10	559.06	138.24	2325.17	2203.57	623.83	108.42	-35.88	76.08	23.23	3.35	PASS	
2425.00†	2323.45	593.89	146.85	2424.92	2293.93	665.06	117.56	-33.60	82.43	23.40	3.60	PASS	
2525.00†	2416.79	628.71	155.46	2524.66	2384.30	706.29	126.69	-31.66	88.90	23.69	3.84	PASS	
2625.00†	2510.14	663.53	164.08	2624.41	2474.67	747.53	135.83	-29.98	95.45	24.11	4.05	PASS	
2725.00†	2603.48	698.35	172.69	2724.16	2565.03	788.76	144.96	-28.51	102.08	24.63	4.24	PASS	
2825.00†	2696.83	733.18	181.30	2823.91	2655.40	829.99	154.09	-27.23	108.76	25.24	4.41	PASS	
2925.00†	2790.17	768.00	189.91	2923.66	2745.77	871.23	163.23	-26.09	115.49	25.93	4.55	PASS	
3025.00†	2883.51	802.82	198.52	3023.41	2836.13	912.46	172.36	-25.08	122.27	26.68	4.68	PASS	
3125.00†	2976.86	837.65	207.13	3123.16	2926.50	953.69	181.50	-24.18	129.07	27.50	4.79	PASS	
3225.00†	3070.20	872.47	215.74	3222.90	3016.87	994.93	190.63	-23.36	135.91	28.37	4.89	PASS	
3325.00†	3163.55	907.29	224.35	3322.65	3107.23	1036.16	199.77	-22.63	142.77	29.29	4.97	PASS	
3425.00†	3256.89	942.12	232.96	3422.40	3197.60	1077.39	208.90	-21.96	149.65	30.25	5.04	PASS	
3525.00†	3350.24	976.94	241.57	3522.15	3287.97	1118.63	218.04	-21.35	156.55	31.24	5.10	PASS	
3625.00†	3443.58	1011.76	250.18	3621.90	3378.33	1159.86	227.17	-20.79	163.46	32.27	5.16	PASS	
3725.00†	3536.93	1046.58	258.80	3721.65	3468.70	1201.09	236.30	-20.28	170.39	33.32	5.20	PASS	
3825.00†	3630.27	1081.41	267.41	3821.40	3559.07	1242.33	245.44	-19.81	177.33	34.40	5.24	PASS	
3925.00†	3723.62	1116.23	276.02	3921.14	3649.43	1283.56	254.57	-19.37	184.29	35.50	5.28	PASS	
4025.00†	3816.96	1151.05	284.63	4020.89	3739.80	1324.79	263.71	-18.97	191.25	36.62	5.31	PASS	
4125.00†	3910.30	1185.88	293.24	4120.64	3830.17	1366.03	272.84	-18.59	198.22	37.76	5.33	PASS	
4225.00†	4003.65	1220.70	301.85	4220.39	3920.53	1407.26	281.98	-18.24	205.20	38.91	5.35	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4320.14	4010.90	1448.49	291.11	-17.91	212.19	40.08	5.37	PASS	
4425.00†	4190.34	1290.35	319.07	4419.89	4101.27	1489.73	300.25	-17.61	219.18	41.26	5.39	PASS	
4525.00†	4283.68	1325.17	327.68	4519.63	4191.63	1530.96	309.38	-17.32	226.18	42.46	5.40	PASS	
4625.00†	4377.03	1359.99	336.29	4619.38	4282.00	1572.19	318.51	-17.05	233.19	43.66	5.41	PASS	
4725.00†	4470.37	1394.82	344.90	4719.13	4372.37	1613.43	327.65	-16.79	240.20	44.87	5.42	PASS	
4825.00†	4563.72	1429.64	353.52	4818.88	4462.73	1654.66	336.78	-16.55	247.21	46.09	5.43	PASS	
4925.00†	4657.06	1464.46	362.13	4918.63	4553.10	1695.89	345.92	-16.33	254.23	47.32	5.44	PASS	
5025.00†	4750.41	1499.28	370.74	5018.38	4643.47	1737.13	355.05	-16.11	261.25	48.56	5.44	PASS	
5125.00†	4843.75	1534.11	379.35	5118.13	4733.83	1778.36	364.19	-15.91	268.27	49.81	5.45	PASS	
5225.00†	4937.10	1568.93	387.96	5217.87	4824.20	1819.59	373.32	-15.72	275.30	51.06	5.45	PASS	
5325.00†	5030.44	1603.75	396.57	5317.62	4914.57	1860.83	382.45	-15.53	282.33	52.31	5.46	PASS	
5425.00†	5123.78	1638.58	405.18	5417.37	5004.93	1902.06	391.59	-15.36	289.37	53.57	5.46	PASS	
5525.00†	5217.13	1673.40	413.79	5517.12	5095.30	1943.29	400.72	-15.19	296.40	54.84	5.46	PASS	
5625.00†	5310.47	1708.22	422.40	5616.87	5185.67	1984.53	409.86	-15.03	303.44	56.11	5.46	PASS	
5725.00†	5403.82	1743.05	431.01	5716.62	5276.03	2025.76	418.99	-14.88	310.49	57.38	5.47	PASS	
5825.00†	5497.16	1777.87	439.62	5816.37	5366.40	2066.99	428.13	-14.74	317.53	58.66	5.47	PASS	
5925.00†	5590.51	1812.69	448.24	5916.11	5456.77	2108.23	437.26	-14.60	324.57	59.95	5.47	PASS	
6025.00†	5683.85	1847.51	456.85	6015.86	5547.13	2149.46	446.40	-14.46	331.62	61.23	5.47	PASS	
6125.00†	5777.20	1882.34	465.46	6115.61	5637.50	2190.69	455.53	-14.34	338.67	62.52	5.47	PASS	
6225.00†	5870.54	1917.16	474.07	6215.36	5727.87	2231.93	464.66	-14.22	345.72	63.81	5.47	PASS	
6325.00†	5963.89	1951.98	482.68	6315.11	5818.23	2273.16	473.80	-14.10	352.77	65.11	5.47	PASS	
6425.00†	6057.23	1986.81	491.29	6414.86	5908.60	2314.39	482.93	-13.99	359.82	66.40	5.47	PASS	
6525.00†	6150.57	2021.63	499.90	6514.60	5998.97	2355.63	492.07	-13.88	366.88	67.70	5.47	PASS	
6625.00†	6243.92	2056.45	508.51	6614.35	6089.33	2396.86	501.20	-13.77	373.94	69.00	5.46	PASS	
6725.00†	6337.26	2091.28	517.12	6714.10	6179.70	2438.09	510.34	-13.67	380.99	70.31	5.46	PASS	
6825.00†	6430.61	2126.10	525.73	6813.85	6270.07	2479.33	519.47	-13.58	388.05	71.61	5.46	PASS	
6925.00†	6523.95	2160.92	534.34	6913.60	6360.43	2520.56	528.61	-13.48	395.11	72.92	5.46	PASS	
7025.00†	6617.30	2195.75	542.96	7013.35	6450.80	2561.79	537.74	-13.39	402.17	74.23	5.46	PASS	
7035.17	6626.79	2199.29	543.83	7023.49	6459.99	2565.99	538.67	-13.39	402.89	74.37	5.46	PASS	
7125.00†	6709.85	2230.27	557.84	7112.90	6540.99	2602.95	546.87	-13.76	409.30	75.57	5.46	PASS	
7225.00†	6799.11	2263.56	567.92	7214.66	6632.02	2644.48	554.78	-46.91	416.60	77.07	5.45	PASS	
7325.00†	6882.86	2294.78	632.54	7318.64	6721.15	2685.13	599.30	-56.93	423.83	78.76	5.42	PASS	
7425.00†	6959.05	2323.17	690.58	7424.88	6805.70	2723.70	650.54	-63.67	430.75	80.70	5.38	PASS	
7525.00†	7025.79	2348.03	760.63	7533.35	6882.80	2758.85	718.03	-68.35	437.08	83.00	5.30	PASS	
7625.00†	7081.45	2368.75	840.96	7643.88	6949.51	2789.26	800.57	-71.62	442.57	85.96	5.18	PASS	
7725.00†	7124.65	2384.81	929.59	7756.23	7002.99	2813.62	896.15	-73.88	446.98	89.52	5.03	PASS	
7825.00†	7154.32	2395.83	1024.34	7870.02	7040.74	2830.80	1001.95	-75.32	450.11	93.65	4.84	PASS	
7925.00†	7169.75	2401.53	1122.87	7984.77	7060.87	2839.94	1114.39	-76.05	451.81	98.17	4.63	PASS	
7984.11	7172.00	2402.33	1181.91	8052.84	7064.01	2841.34	1182.34	-76.18	452.09	100.94	4.50	PASS	
8025.00†	7171.78	2402.22	1222.80	8093.99	7063.79	2841.22	1223.50	-76.18	452.08	102.97	4.41	PASS	
8125.00†	7171.23	2401.96	1322.80	8193.99	7063.24	2840.93	1323.50	-76.18	452.05	108.32	4.19	PASS	
8225.00†	7170.69	2401.70	1422.80	8293.99	7062.70	2840.63	1423.49	-76.18	452.03	114.14	3.98	PASS	
8325.00†	7170.15	2401.44	1522.80	8393.99	7062.16	2840.34	1523.49	-76.18	452.00	120.35	3.77	PASS	
8425.00†	7169.60	2401.17	1622.79	8493.99	7061.61	2840.05	1623.49	-76.18	451.97	126.90	3.58	PASS	
8525.00†	7169.06	2400.91	1722.79	8593.99	7061.07	2839.76	1723.49	-76.18	451.94	133.74	3.39	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, SEC.27) Well: TROUDT 1N-23C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7168.51	2400.65	1822.79	8693.99	7060.52	2839.46	1823.49	-76.18	451.91	140.82	3.22	PASS	
8725.00†	7167.97	2400.39	1922.79	8793.99	7059.98	2839.17	1923.48	-76.17	451.88	148.12	3.06	PASS	
8825.00†	7167.43	2400.12	2022.79	8893.99	7059.44	2838.88	2023.48	-76.17	451.85	155.59	2.91	PASS	
8925.00†	7166.88	2399.86	2122.78	8993.99	7058.89	2838.59	2123.48	-76.17	451.82	163.22	2.78	PASS	
9025.00†	7166.34	2399.60	2222.78	9093.99	7058.35	2838.30	2223.48	-76.17	451.79	170.99	2.65	PASS	
9125.00†	7165.79	2399.33	2322.78	9193.99	7057.81	2838.00	2323.48	-76.17	451.77	178.87	2.53	PASS	
9225.00†	7165.25	2399.07	2422.78	9293.99	7057.26	2837.71	2423.47	-76.17	451.74	186.86	2.42	PASS	
9325.00†	7164.71	2398.81	2522.78	9393.99	7056.72	2837.42	2523.47	-76.17	451.71	194.93	2.32	PASS	
9425.00†	7164.16	2398.55	2622.78	9493.99	7056.17	2837.13	2623.47	-76.17	451.68	203.09	2.23	PASS	
9525.00†	7163.62	2398.28	2722.77	9593.99	7055.63	2836.83	2723.47	-76.17	451.65	211.31	2.14	PASS	
9625.00†	7163.08	2398.02	2822.77	9693.99	7055.09	2836.54	2823.47	-76.17	451.62	219.60	2.06	PASS	
9725.00†	7162.53	2397.76	2922.77	9793.99	7054.54	2836.25	2923.46	-76.17	451.59	227.94	1.98	PASS	
9825.00†	7161.99	2397.50	3022.77	9893.99	7054.00	2835.96	3023.46	-76.16	451.56	236.33	1.91	PASS	
9925.00†	7161.44	2397.23	3122.77	9993.99	7053.46	2835.67	3123.46	-76.16	451.54	244.76	1.85	PASS	
10025.00†	7160.90	2396.97	3222.76	10093.99	7052.91	2835.37	3223.46	-76.16	451.51	253.24	1.79	PASS	
10125.00†	7160.36	2396.71	3322.76	10193.99	7052.37	2835.08	3323.46	-76.16	451.48	261.75	1.73	PASS	
10225.00†	7159.81	2396.45	3422.76	10293.99	7051.82	2834.79	3423.46	-76.16	451.45	270.29	1.67	PASS	
10325.00†	7159.27	2396.18	3522.76	10393.99	7051.28	2834.50	3523.45	-76.16	451.42	278.86	1.62	PASS	
10425.00†	7158.72	2395.92	3622.76	10493.99	7050.74	2834.20	3623.45	-76.16	451.39	287.46	1.57	PASS	
10525.00†	7158.18	2395.66	3722.76	10593.99	7050.19	2833.91	3723.45	-76.16	451.36	296.09	1.53	PASS	
10625.00†	7157.64	2395.39	3822.75	10693.99	7049.65	2833.62	3823.45	-76.16	451.33	304.73	1.48	PASS	
10725.00†	7157.09	2395.13	3922.75	10793.99	7049.11	2833.33	3923.45	-76.16	451.31	313.40	1.44	PASS	
10825.00†	7156.55	2394.87	4022.75	10893.99	7048.56	2833.03	4023.44	-76.16	451.28	322.09	1.40	PASS	
10925.00†	7156.01	2394.61	4122.75	10993.99	7048.02	2832.74	4123.44	-76.15	451.25	330.79	1.36	PASS	
11025.00†	7155.46	2394.34	4222.75	11093.99	7047.48	2832.45	4223.44	-76.15	451.22	339.51	1.33	PASS	
11125.00†	7154.92	2394.08	4322.74	11193.99	7046.93	2832.16	4323.44	-76.15	451.19	348.24	1.30	PASS	
11225.00†	7154.37	2393.82	4422.74	11293.99	7046.39	2831.87	4423.44	-76.15	451.16	356.99	1.26	PASS	
11325.00†	7153.83	2393.56	4522.74	11393.99	7045.84	2831.57	4523.43	-76.15	451.13	365.75	1.23	PASS	
11425.00†	7153.29	2393.29	4622.74	11493.99	7045.30	2831.28	4623.43	-76.15	451.10	374.52	1.20	PASS	
11525.00†	7152.74	2393.03	4722.74	11593.99	7044.76	2830.99	4723.43	-76.15	451.07	383.30	1.18	PASS	
11625.00†	7152.20	2392.77	4822.74	11693.99	7044.21	2830.70	4823.43	-76.15	451.05	392.10	1.15	PASS	
11725.00†	7151.65	2392.51	4922.73	11793.99	7043.67	2830.40	4923.43	-76.15	451.02	400.90	1.13	PASS	
11825.00†	7151.11	2392.24	5022.73	11893.99	7043.13	2830.11	5023.42	-76.15	450.99	409.71	1.10	PASS	
11925.00†	7150.57	2391.98	5122.73	11993.99	7042.58	2829.82	5123.42	-76.15	450.96	418.53	1.08	PASS	
12025.00†	7150.02	2391.72	5222.73	12093.99	7042.04	2829.53	5223.42	-76.15	450.93	427.36	1.06	PASS	
12125.00†	7149.48	2391.45	5322.73	12193.99	7041.49	2829.23	5323.42	-76.14	450.90	436.19	1.03	PASS	
12225.00†	7148.93	2391.19	5422.72	12293.99	7040.95	2828.94	5423.42	-76.14	450.87	445.04	1.01	PASS	
12325.00†	7148.38	2390.93	5522.72	12393.99	7040.41	2828.65	5523.41	-76.14	450.84	453.89	0.99	FAIL	
12425.00†	7147.85	2390.67	5622.72	12493.99	7039.86	2828.36	5623.41	-76.14	450.82	462.74	0.97	FAIL	
12525.00†	7147.30	2390.40	5722.72	12593.99	7039.32	2828.07	5723.41	-76.14	450.79	471.60	0.96	FAIL	
12625.00†	7146.76	2390.14	5822.72	12693.99	7038.78	2827.77	5823.41	-76.14	450.76	480.47	0.94	FAIL	
12725.00†	7146.22	2389.88	5922.72	12793.99	7038.23	2827.48	5923.41	-76.14	450.73	489.34	0.92	FAIL	
12825.00†	7145.67	2389.62	6022.71	12893.99	7037.69	2827.19	6023.41	-76.14	450.70	498.22	0.90	FAIL	
12925.00†	7145.13	2389.35	6122.71	12993.99	7037.14	2826.90	6123.40	-76.14	450.67	507.10	0.89	FAIL	
13025.00†	7144.58	2389.09	6222.71	13093.99	7036.60	2826.60	6223.40	-76.14	450.64	515.98	0.87	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	
13125.00†	7144.04	2388.83	6322.71	13193.99	7036.06	2826.31	6323.40	-76.14	450.61	524.87	0.86	FAIL	
13225.00†	7143.50	2388.57	6422.71	13293.99	7035.51	2826.02	6423.40	-76.13	450.59	533.77	0.84	FAIL	
13325.00†	7142.95	2388.30	6522.70	13393.99	7034.97	2825.73	6523.40	-76.13	450.56	542.66	0.83	FAIL	
13425.00†	7142.41	2388.04	6622.70	13493.99	7034.43	2825.43	6623.39	-76.13	450.53	551.56	0.82	FAIL	
13525.00†	7141.86	2387.78	6722.70	13593.99	7033.88	2825.14	6723.39	-76.13	450.50	560.47	0.80	FAIL	
13625.00†	7141.32	2387.51	6822.70	13693.99	7033.34	2824.85	6823.39	-76.13	450.47	569.38	0.79	FAIL	
13725.00†	7140.78	2387.25	6922.70	13793.99	7032.79	2824.56	6923.39	-76.13	450.44	578.29	0.78	FAIL	
13825.00†	7140.23	2386.99	7022.70	13893.99	7032.25	2824.27	7023.39	-76.13	450.41	587.20	0.77	FAIL	
13925.00†	7139.69	2386.73	7122.69	13993.99	7031.71	2823.97	7123.38	-76.13	450.38	596.12	0.76	FAIL	
14025.00†	7139.14	2386.46	7222.69	14093.99	7031.16	2823.68	7223.38	-76.13	450.35	605.04	0.74	FAIL	
14125.00†	7138.60	2386.20	7322.69	14193.99	7030.62	2823.39	7323.38	-76.13	450.33	613.96	0.73	FAIL	
14225.00†	7138.06	2385.94	7422.69	14293.99	7030.08	2823.10	7423.38	-76.13	450.30	622.88	0.72	FAIL	
14325.00†	7137.51	2385.68	7522.69	14393.99	7029.53	2822.80	7523.38	-76.12	450.27	631.81	0.71	FAIL	
14425.00†	7136.97	2385.41	7622.68	14493.99	7028.99	2822.51	7623.37	-76.12	450.24	640.74	0.70	FAIL	
14525.00†	7136.43	2385.15	7722.68	14593.99	7028.44	2822.22	7723.37	-76.12	450.21	649.67	0.69	FAIL	
14625.00†	7135.88	2384.89	7822.68	14693.99	7027.90	2821.93	7823.37	-76.12	450.18	658.60	0.68	FAIL	
14725.00†	7135.34	2384.63	7922.68	14793.99	7027.36	2821.64	7923.37	-76.12	450.15	667.54	0.67	FAIL	
14825.00†	7134.79	2384.36	8022.68	14893.99	7026.81	2821.34	8023.37	-76.12	450.12	676.47	0.67	FAIL	
14925.00†	7134.25	2384.10	8122.68	14993.99	7026.27	2821.05	8123.37	-76.12	450.10	685.41	0.66	FAIL	
15025.00†	7133.71	2383.84	8222.67	15093.99	7025.73	2820.76	8223.36	-76.12	450.07	694.35	0.65	FAIL	
15125.00†	7133.16	2383.57	8322.67	15193.99	7025.18	2820.47	8323.36	-76.12	450.04	703.29	0.64	FAIL	
15225.00†	7132.62	2383.31	8422.67	15293.99	7024.64	2820.17	8423.36	-76.12	450.01	712.24	0.63	FAIL	
15325.00†	7132.07	2383.05	8522.67	15393.99	7024.09	2819.88	8523.36	-76.11	449.98	721.18	0.62	FAIL	
15338.67	7132.00	2383.01	8536.34	15407.66	7024.02	2819.84	8537.03	-76.11	449.98	722.40	0.62	FAIL	

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	1682.50	0.00	-18.15	117.67	7.92
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1682.50	0.00	-18.15	117.67	7.92
8.5in Open Hole	1750.00	15411.27	13661.27	1682.50	7024.00	117.67	7.92	859.48	2594.11

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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	15411.27	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-23C-M PWB

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	14112.73	6900.66	2555.25	-149.37	-3.35	7336.65	156.83	47.05	PASS	
125.00†	125.00	0.00	0.00	14114.26	6900.69	2555.28	-147.85	-3.31	7243.01	158.47	45.97	PASS	
200.00	200.00	0.00	0.00	14115.40	6900.70	2555.30	-146.71	-3.29	7172.90	159.42	45.25	PASS	
225.00†	225.00	0.11	0.03	14115.81	6900.71	2555.31	-146.30	-17.56	7149.52	159.74	45.01	PASS	
325.00†	324.96	2.65	0.65	14118.00	6900.74	2555.35	-144.10	-19.27	7055.36	160.99	44.07	PASS	
425.00†	424.77	8.57	2.12	14121.09	6900.79	2555.40	-141.01	-21.32	6960.29	162.19	43.15	PASS	
525.00†	524.30	17.88	4.42	14125.08	6900.85	2555.47	-137.03	-23.81	6864.38	163.32	42.26	PASS	
625.00†	623.44	30.55	7.55	14129.94	6900.92	2555.56	-132.17	-26.88	6767.72	164.39	41.40	PASS	
725.00†	722.07	46.57	11.52	14135.68	6901.01	2555.66	-126.43	-30.77	6670.38	165.37	40.56	PASS	
825.00†	820.05	65.92	16.30	14142.09	6901.11	2555.78	-120.02	-35.82	6572.46	166.27	39.74	PASS	
925.00†	917.29	88.58	21.90	14148.40	6901.20	2555.89	-113.71	-42.53	6474.05	167.06	38.96	PASS	
1025.00†	1013.64	114.52	28.32	14155.46	6901.31	2556.02	-106.66	-51.56	6375.24	167.75	38.21	PASS	
1125.00†	1109.01	143.71	35.54	14163.26	6901.43	2556.17	-98.86	-63.59	6276.15	168.34	37.48	PASS	
1225.00†	1203.27	176.12	43.55	14171.81	6901.56	2556.33	-90.31	-78.82	6176.88	168.82	36.78	PASS	
1251.08	1227.65	185.09	45.77	14174.17	6901.60	2556.38	-87.96	-83.19	6150.98	168.93	36.61	PASS	
1325.00†	1296.66	210.83	52.13	14180.92	6901.70	2556.51	-81.21	-83.00	6077.54	169.22	36.11	PASS	
1425.00†	1390.00	245.65	60.74	14190.09	6901.84	2556.70	-72.04	-82.73	5978.20	169.62	35.43	PASS	
1525.00†	1483.35	280.48	69.36	14199.30	6901.99	2556.89	-62.83	-82.45	5878.87	170.04	34.76	PASS	
1625.00†	1576.69	315.30	77.97	14208.55	6902.13	2557.08	-53.58	-82.17	5779.55	170.46	34.08	PASS	
1725.00†	1670.04	350.12	86.58	14217.85	6902.28	2557.28	-44.23	-81.87	5680.23	170.90	33.41	PASS	
1825.00†	1763.38	384.95	95.19	14227.19	6902.43	2557.48	-34.95	-81.57	5580.92	171.15	32.74	PASS	
1925.00†	1856.72	419.77	103.80	14235.78	6902.57	2557.67	-26.37	-81.28	5481.61	171.58	32.08	PASS	
2025.00†	1950.07	454.59	112.41	14243.89	6902.70	2557.86	-18.26	-81.01	5382.32	172.02	31.41	PASS	
2125.00†	2043.41	489.42	121.02	14252.07	6902.83	2558.06	-10.08	-80.72	5283.03	172.47	30.75	PASS	
2225.00†	2136.76	524.24	129.63	14260.32	6902.97	2558.27	-1.83	-80.42	5183.75	172.93	30.10	PASS	
2325.00†	2230.10	559.06	138.24	14268.65	6903.11	2558.48	6.49	-80.11	5084.49	173.41	29.44	PASS	
2425.00†	2323.45	593.89	146.85	14277.05	6903.25	2558.71	14.89	-79.79	4985.23	173.90	28.78	PASS	
2525.00†	2416.79	628.71	155.46	14285.53	6903.39	2558.95	23.36	-79.48	4885.99	174.41	28.12	PASS	
2625.00†	2510.14	663.53	164.08	14294.08	6903.54	2559.20	31.91	-79.12	4786.76	174.94	27.47	PASS	
2725.00†	2603.48	698.35	172.69	14302.71	6903.69	2559.46	40.53	-78.76	4687.53	175.48	26.82	PASS	
2825.00†	2696.83	733.18	181.30	14413.96	6904.49	2562.70	151.73	-73.14	4588.29	178.07	25.87	PASS	
2925.00†	2790.17	768.00	189.91	14417.67	6904.47	2562.80	155.44	-72.91	4488.87	178.56	25.24	PASS	
3025.00†	2883.51	802.82	198.52	14421.48	6904.45	2562.92	159.25	-72.67	4389.47	179.07	24.61	PASS	
3125.00†	2976.86	837.65	207.13	14425.38	6904.44	2563.04	163.15	-72.42	4290.08	179.60	23.98	PASS	
3225.00†	3070.20	872.47	215.74	14429.39	6904.43	2563.17	167.15	-72.17	4190.72	180.16	23.35	PASS	
3325.00†	3163.55	907.29	224.35	14433.50	6904.42	2563.31	171.26	-71.90	4091.38	180.74	22.72	PASS	
3425.00†	3256.89	942.12	232.96	14437.72	6904.42	2563.47	175.47	-71.62	3992.06	181.35	22.10	PASS	
3525.00†	3350.24	976.94	241.57	14442.05	6904.42	2563.63	179.80	-71.33	3892.76	181.99	21.47	PASS	
3625.00†	3443.58	1011.76	250.18	14446.49	6904.42	2563.81	184.24	-71.02	3793.49	182.65	20.85	PASS	
3725.00†	3536.93	1046.58	258.80	14451.06	6904.42	2564.00	188.81	-70.70	3694.25	183.36	20.22	PASS	
3825.00†	3630.27	1081.41	267.41	14455.76	6904.43	2564.20	193.50	-70.37	3595.03	184.09	19.60	PASS	
3925.00†	3723.62	1116.23	276.02	14460.59	6904.44	2564.43	198.32	-70.02	3495.85	184.87	18.98	PASS	
4025.00†	3816.96	1151.05	284.63	14465.56	6904.46	2564.66	203.29	-69.65	3396.70	185.69	18.36	PASS	
4125.00†	3910.30	1185.88	293.24	14470.67	6904.48	2564.92	208.39	-69.26	3297.58	186.55	17.74	PASS	
4225.00†	4003.65	1220.70	301.85	14475.93	6904.51	2565.19	213.65	-68.85	3198.51	187.46	17.12	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	14481.35	6904.55	2565.48	219.06	-68.43	3099.47	188.42	16.51	PASS		
4425.00†	4190.34	1290.35	319.07	14486.94	6904.59	2565.80	224.64	-67.97	3000.47	189.44	15.89	PASS		
4525.00†	4283.68	1325.17	327.68	14492.69	6904.63	2566.14	230.38	-67.50	2901.53	190.52	15.28	PASS		
4625.00†	4377.03	1359.99	336.29	14499.00	6904.69	2566.52	236.68	-66.97	2802.63	191.69	14.67	PASS		
4725.00†	4470.37	1394.82	344.90	14508.71	6904.79	2567.12	246.37	-66.12	2703.78	193.00	14.06	PASS		
4825.00†	4563.72	1429.64	353.52	14518.56	6904.90	2567.72	256.20	-65.23	2604.97	194.39	13.45	PASS		
4925.00†	4657.06	1464.46	362.13	14528.55	6905.03	2568.33	266.17	-64.30	2506.21	195.88	12.84	PASS		
5025.00†	4750.41	1499.28	370.74	14538.68	6905.17	2568.93	276.28	-63.32	2407.50	197.46	12.23	PASS		
5125.00†	4843.75	1534.11	379.35	14548.96	6905.32	2569.54	286.54	-62.28	2308.85	199.16	11.63	PASS		
5225.00†	4937.10	1568.93	387.96	14559.38	6905.49	2570.14	296.95	-61.19	2210.27	200.99	11.03	PASS		
5325.00†	5030.44	1603.75	396.57	14569.96	6905.67	2570.75	307.51	-60.04	2111.76	202.96	10.44	PASS		
5425.00†	5123.78	1638.58	405.18	14580.70	6905.87	2571.36	318.22	-58.83	2013.33	205.10	9.85	PASS		
5525.00†	5217.13	1673.40	413.79	14592.73	6906.11	2572.04	330.24	-57.42	1914.99	207.45	9.26	PASS		
5625.00†	5310.47	1708.22	422.40	14606.30	6906.37	2572.79	343.78	-55.74	1816.74	210.06	8.67	PASS		
5725.00†	5403.82	1743.05	431.01	14619.75	6906.63	2573.52	357.20	-54.00	1718.60	212.92	8.10	PASS		
5825.00†	5497.16	1777.87	439.62	14633.07	6906.89	2574.24	370.51	-52.18	1620.59	216.07	7.52	PASS		
5925.00†	5590.51	1812.69	448.24	14646.27	6907.13	2574.93	383.69	-50.30	1522.72	219.57	6.95	PASS		
6025.00†	5683.85	1847.51	456.85	14659.36	6907.37	2575.62	396.75	-48.34	1425.04	223.49	6.39	PASS		
6125.00†	5777.20	1882.34	465.46	14672.33	6907.61	2576.28	409.70	-46.31	1327.59	227.93	5.84	PASS		
6225.00†	5870.54	1917.16	474.07	14683.93	6907.82	2576.88	421.29	-44.42	1230.43	232.95	5.30	PASS		
6325.00†	5963.89	1951.98	482.68	14694.89	6908.01	2577.45	432.23	-42.57	1133.64	238.74	4.76	PASS		
6425.00†	6057.23	1986.81	491.29	14705.97	6908.21	2578.05	443.30	-40.63	1037.33	245.52	4.23	PASS		
6525.00†	6150.57	2021.63	499.90	14717.18	6908.42	2578.68	454.49	-38.60	941.64	253.55	3.72	PASS		
6625.00†	6243.92	2056.45	508.51	14728.51	6908.62	2579.33	465.80	-36.48	846.79	263.22	3.22	PASS		
6725.00†	6337.26	2091.28	517.12	14739.97	6908.84	2580.00	477.23	-34.28	753.09	275.03	2.74	PASS		
6825.00†	6430.61	2126.10	525.73	14751.55	6909.05	2580.71	488.79	-32.00	661.01	289.70	2.28	PASS		
6925.00†	6523.95	2160.92	534.34	14763.27	6909.27	2581.44	500.48	-29.63	571.36	308.15	1.86	PASS		
7025.00†	6617.30	2195.75	542.96	14778.00	6909.56	2582.33	515.18	-26.59	485.42	331.62	1.46	PASS		
7035.17	6626.79	2199.29	543.83	14779.57	6909.59	2582.41	516.75	-26.26	476.96	334.32	1.43	PASS		
7125.00†	6709.85	2230.27	557.84	14801.00	6910.06	2583.46	538.16	-50.03	406.47	360.70	1.13	PASS		
7225.00†	6799.11	2263.56	587.92	14841.88	6911.13	2584.69	578.99	-64.08	340.23	392.62	0.87	FAIL		
7325.00†	6882.86	2294.78	632.54	14889.63	6913.03	2585.28	626.71	-69.48	292.12	417.38	0.70	FAIL		
7425.00†	6959.05	2323.17	690.58	14952.17	6918.18	2586.43	689.01	-67.70	266.42	421.78	0.63	FAIL		
7456.51†	6981.18	2331.41	711.43	14975.48	6920.59	2586.93	712.20	-66.01	262.61	418.22	0.63	FAIL		
7518.28†	7021.64	2346.48	755.58	15024.82	6925.76	2587.99	761.25	-61.79	259.90	405.72	0.64	FAIL		
7525.00†	7025.79	2348.03	760.63	15029.78	6926.28	2588.09	766.18	-61.37	259.93	404.01	0.64	FAIL		
7625.00†	7081.45	2368.75	840.96	15125.42	6935.31	2587.39	861.37	-52.63	263.77	374.28	0.70	FAIL		
7725.00†	7124.65	2384.81	929.59	15220.00	6940.74	2579.03	955.39	-44.62	268.71	339.85	0.79	FAIL		
7825.00†	7154.32	2395.83	1024.34	15220.00	6940.74	2579.03	955.39	-43.87	289.71	310.01	0.93	FAIL		
7925.00†	7169.75	2401.53	1122.87	15220.00	6940.74	2579.03	955.39	-40.31	334.67	274.64	1.22	PASS		
7984.11	7172.00	2402.33	1181.91	15220.00	6940.74	2579.03	955.39	-37.14	368.81	256.54	1.44	PASS		
8025.00†	7171.78	2402.22	1222.80	15220.00	6940.74	2579.03	955.39	-37.14	395.16	245.24	1.61	PASS		
8125.00†	7171.23	2401.96	1322.80	15220.00	6940.74	2579.03	955.39	-37.14	468.48	220.19	2.13	PASS		
8225.00†	7170.69	2401.70	1422.80	15220.00	6940.74	2579.03	955.39	-37.14	550.27	200.08	2.76	PASS		
8325.00†	7170.15	2401.44	1522.80	15220.00	6940.74	2579.03	955.39	-37.14	637.27	184.48	3.46	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
8425.00†	7169.60	2401.17	1622.79	15220.00	6940.74	2579.03	955.39	-37.14	727.63	172.41	4.23	PASS	
8525.00†	7169.06	2400.91	1722.79	15220.00	6940.74	2579.03	955.39	-37.14	820.22	162.99	5.05	PASS	
8625.00†	7168.51	2400.65	1822.79	15220.00	6940.74	2579.03	955.39	-37.14	914.38	155.53	5.90	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	825.35	-4918.53	861.79	-4900.19
9.625in Casing Intermediate	25.00	1763.00	1738.00	10.00	1735.40	825.35	-4918.53	861.79	-4900.19
8.5in Open Hole	1763.00	15220.00	13457.00	1735.40	6940.74	861.79	-4900.19	1198.27	-2167.87

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2090.75	3857.13	61.54	4387.33	25.57	178.29	PASS	
125.00†	125.00	0.00	0.00	97.00	125.00	2090.75	3857.13	61.54	4387.33	50.37	88.78	PASS	
200.00	200.00	0.00	0.00	172.00	200.00	2090.75	3857.13	61.54	4387.33	51.05	87.57	PASS	
225.00†	225.00	0.11	0.03	197.00	225.00	2090.75	3857.13	47.65	4387.26	51.29	87.16	PASS	
325.00†	324.96	2.65	0.65	296.96	324.96	2090.75	3857.13	47.70	4385.50	52.94	84.36	PASS	
425.00†	424.77	8.57	2.12	396.77	424.77	2090.75	3857.13	47.82	4381.39	55.20	80.76	PASS	
525.00†	524.30	17.88	4.42	496.30	524.30	2090.75	3857.13	48.01	4374.95	57.94	76.76	PASS	
625.00†	623.44	30.55	7.55	595.44	623.44	2090.75	3857.13	48.27	4366.20	61.04	72.66	PASS	
725.00†	722.07	46.57	11.52	694.07	722.07	2090.75	3857.13	48.60	4355.16	64.41	68.63	PASS	
825.00†	820.05	65.92	16.30	792.05	820.05	2090.75	3857.13	49.00	4341.88	67.98	64.77	PASS	
925.00†	917.29	88.58	21.90	889.29	917.29	2090.75	3857.13	49.46	4326.39	71.70	61.15	PASS	
1025.00†	1013.64	114.52	28.32	985.64	1013.64	2090.75	3857.13	50.00	4308.74	75.53	57.77	PASS	
1125.00†	1109.01	143.71	35.54	1081.01	1109.01	2090.75	3857.13	50.61	4289.00	79.45	54.63	PASS	
1225.00†	1203.27	176.12	43.55	1175.27	1203.27	2090.75	3857.13	51.29	4267.23	83.44	51.73	PASS	
1251.08	1227.65	185.09	45.77	1199.65	1227.65	2090.75	3857.13	51.48	4261.22	84.48	51.01	PASS	
1325.00†	1296.66	210.83	52.13	1268.66	1296.66	2090.75	3857.13	51.75	4244.07	87.47	49.05	PASS	
1425.00†	1390.00	245.65	60.74	1362.00	1390.00	2090.75	3857.13	52.12	4221.01	91.58	46.57	PASS	
1525.00†	1483.35	280.48	69.36	1455.35	1483.35	2090.75	3857.13	52.49	4198.13	95.76	44.27	PASS	
1625.00†	1576.69	315.30	77.97	1548.69	1576.69	2090.75	3857.13	52.86	4175.44	100.02	42.14	PASS	
1725.00†	1670.04	350.12	86.58	1642.04	1670.04	2090.75	3857.13	53.24	4152.93	104.33	40.17	PASS	
1825.00†	1763.38	384.95	95.19	1735.38	1763.38	2090.75	3857.13	53.62	4130.61	108.27	38.40	PASS	
1925.00†	1856.72	419.77	103.80	1828.72	1856.72	2090.75	3857.13	54.01	4108.49	112.30	36.81	PASS	
2025.00†	1950.07	454.59	112.41	1922.07	1950.07	2090.75	3857.13	54.40	4086.56	116.36	35.33	PASS	
2125.00†	2043.41	489.42	121.02	2015.41	2043.41	2090.75	3857.13	54.79	4064.82	120.46	33.94	PASS	
2225.00†	2136.76	524.24	129.63	2108.76	2136.76	2090.75	3857.13	55.19	4043.29	124.58	32.63	PASS	
2325.00†	2230.10	559.06	138.24	2202.10	2230.10	2090.75	3857.13	55.59	4021.96	128.73	31.41	PASS	
2425.00†	2323.45	593.89	146.85	2295.45	2323.45	2090.75	3857.13	55.99	4000.84	132.91	30.26	PASS	
2525.00†	2416.79	628.71	155.46	2388.79	2416.79	2090.75	3857.13	56.40	3979.94	137.11	29.17	PASS	
2625.00†	2510.14	663.53	164.08	2482.14	2510.14	2090.75	3857.13	56.81	3959.24	141.33	28.15	PASS	
2725.00†	2603.48	698.35	172.69	2575.48	2603.48	2090.75	3857.13	57.23	3938.77	145.58	27.18	PASS	
2825.00†	2696.83	733.18	181.30	2668.83	2696.83	2090.75	3857.13	57.65	3918.51	149.84	26.27	PASS	
2925.00†	2790.17	768.00	189.91	2762.17	2790.17	2090.75	3857.13	58.07	3898.49	154.13	25.41	PASS	
3025.00†	2883.51	802.82	198.52	2855.51	2883.51	2090.75	3857.13	58.50	3878.68	158.43	24.59	PASS	
3125.00†	2976.86	837.65	207.13	2948.86	2976.86	2090.75	3857.13	58.93	3859.12	162.75	23.81	PASS	
3225.00†	3070.20	872.47	215.74	3042.20	3070.20	2090.75	3857.13	59.37	3839.78	167.09	23.07	PASS	
3325.00†	3163.55	907.29	224.35	3135.55	3163.55	2090.75	3857.13	59.81	3820.69	171.45	22.37	PASS	
3425.00†	3256.89	942.12	232.96	3228.89	3256.89	2090.75	3857.13	60.25	3801.84	175.82	21.71	PASS	
3525.00†	3350.24	976.94	241.57	3322.24	3350.24	2090.75	3857.13	60.70	3783.23	180.20	21.07	PASS	
3625.00†	3443.58	1011.76	250.18	3415.58	3443.58	2090.75	3857.13	61.15	3764.87	184.61	20.47	PASS	
3725.00†	3536.93	1046.58	258.80	3508.93	3536.93	2090.75	3857.13	61.61	3746.77	189.02	19.89	PASS	
3825.00†	3630.27	1081.41	267.41	3602.27	3630.27	2090.75	3857.13	62.07	3728.93	193.45	19.34	PASS	
3925.00†	3723.62	1116.23	276.02	3695.62	3723.62	2090.75	3857.13	62.53	3711.34	197.90	18.82	PASS	
4025.00†	3816.96	1151.05	284.63	3788.96	3816.96	2090.75	3857.13	63.00	3694.02	202.36	18.32	PASS	
4125.00†	3910.30	1185.88	293.24	3882.30	3910.30	2090.75	3857.13	63.47	3676.97	206.83	17.84	PASS	
4225.00†	4003.65	1220.70	301.85	3975.65	4003.65	2090.75	3857.13	63.95	3660.19	211.31	17.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4068.99	4096.99	2090.75	3857.13	64.43	3643.69	215.80	16.94	PASS	
4425.00†	4190.34	1290.35	319.07	4162.34	4190.34	2090.75	3857.13	64.91	3627.47	220.31	16.52	PASS	
4525.00†	4283.68	1325.17	327.68	4255.68	4283.68	2090.75	3857.13	65.40	3611.53	224.83	16.11	PASS	
4625.00†	4377.03	1359.99	336.29	4349.03	4377.03	2090.75	3857.13	65.89	3595.87	229.35	15.72	PASS	
4725.00†	4470.37	1394.82	344.90	4442.37	4470.37	2090.75	3857.13	66.38	3580.51	233.89	15.35	PASS	
4825.00†	4563.72	1429.64	353.52	4535.72	4563.72	2090.75	3857.13	66.88	3565.44	238.44	15.00	PASS	
4925.00†	4657.06	1464.46	362.13	4629.06	4657.06	2090.75	3857.13	67.39	3550.68	242.99	14.65	PASS	
5025.00†	4750.41	1499.28	370.74	4722.41	4750.41	2090.75	3857.13	67.89	3536.21	247.56	14.32	PASS	
5125.00†	4843.75	1534.11	379.35	4815.75	4843.75	2090.75	3857.13	68.40	3522.05	252.13	14.01	PASS	
5225.00†	4937.10	1568.93	387.96	4909.10	4937.10	2090.75	3857.13	68.92	3508.20	256.71	13.70	PASS	
5325.00†	5030.44	1603.75	396.57	5002.44	5030.44	2090.75	3857.13	69.43	3494.66	261.30	13.41	PASS	
5425.00†	5123.78	1638.58	405.18	5095.78	5123.78	2090.75	3857.13	69.95	3481.44	265.90	13.13	PASS	
5525.00†	5217.13	1673.40	413.79	5189.13	5217.13	2090.75	3857.13	70.48	3468.54	270.51	12.85	PASS	
5625.00†	5310.47	1708.22	422.40	5282.47	5310.47	2090.75	3857.13	71.00	3455.96	275.12	12.59	PASS	
5725.00†	5403.82	1743.05	431.01	5375.82	5403.82	2090.75	3857.13	71.53	3443.72	279.74	12.34	PASS	
5825.00†	5497.16	1777.87	439.62	5469.16	5497.16	2090.75	3857.13	72.07	3431.80	284.37	12.10	PASS	
5925.00†	5590.51	1812.69	448.24	5562.51	5590.51	2090.75	3857.13	72.61	3420.22	289.00	11.86	PASS	
6025.00†	5683.85	1847.51	456.85	5655.85	5683.85	2090.75	3857.13	73.15	3408.97	293.64	11.64	PASS	
6125.00†	5777.20	1882.34	465.46	5749.20	5777.20	2090.75	3857.13	73.69	3398.07	298.28	11.42	PASS	
6225.00†	5870.54	1917.16	474.07	5842.54	5870.54	2090.75	3857.13	74.24	3387.51	302.93	11.21	PASS	
6325.00†	5963.89	1951.98	482.68	5935.89	5963.89	2090.75	3857.13	74.79	3377.30	307.59	11.00	PASS	
6425.00†	6057.23	1986.81	491.29	6029.23	6057.23	2090.75	3857.13	75.34	3367.45	312.25	10.81	PASS	
6525.00†	6150.57	2021.63	499.90	6122.57	6150.57	2090.75	3857.13	75.89	3357.94	316.92	10.62	PASS	
6625.00†	6243.92	2056.45	508.51	6215.92	6243.92	2090.75	3857.13	76.45	3348.79	321.59	10.43	PASS	
6725.00†	6337.26	2091.28	517.12	6309.26	6337.26	2090.75	3857.13	77.01	3340.01	326.26	10.26	PASS	
6825.00†	6430.61	2126.10	525.73	6402.61	6430.61	2090.75	3857.13	77.57	3331.58	330.94	10.09	PASS	
6925.00†	6523.95	2160.92	534.34	6495.95	6523.95	2090.75	3857.13	78.14	3323.53	335.63	9.92	PASS	
7025.00†	6617.30	2195.75	542.96	6589.30	6617.30	2090.75	3857.13	78.71	3315.84	340.32	9.76	PASS	
7035.17	6626.79	2199.29	543.83	6598.79	6626.79	2090.75	3857.13	78.77	3315.08	340.79	9.75	PASS	
7125.00†	6709.85	2230.27	557.84	6681.85	6709.85	2090.75	3857.13	61.18	3302.24	345.11	9.59	PASS	
7225.00†	6799.11	2263.56	567.92	6771.11	6799.11	2090.75	3857.13	47.87	3273.77	350.27	9.36	PASS	
7325.00†	6882.86	2294.78	576.54	6854.86	6882.86	2090.75	3857.13	39.78	3231.04	355.25	9.11	PASS	
7425.00†	6959.05	2323.17	585.15	6931.05	6959.05	2090.75	3857.13	35.11	3175.07	359.79	8.84	PASS	
7525.00†	7025.79	2348.03	593.79	7002.79	7025.79	2090.75	3857.13	32.81	3107.17	363.79	8.56	PASS	
7625.00†	7081.45	2368.75	602.45	7053.45	7081.45	2090.75	3857.13	32.50	3028.96	367.14	8.26	PASS	
7725.00†	7124.65	2384.81	611.05	7096.65	7124.65	2090.75	3857.13	34.54	2942.27	369.79	7.97	PASS	
7825.00†	7154.32	2395.83	620.04	7126.32	7154.32	2090.75	3857.13	40.88	2849.17	371.67	7.68	PASS	
7925.00†	7169.75	2401.53	629.07	7141.75	7169.75	2090.75	3857.13	60.52	2751.86	372.75	7.39	PASS	
7984.11	7172.00	2402.33	638.07	7144.00	7172.00	2090.75	3857.13	92.74	2693.30	373.01	7.23	PASS	
8025.00†	7171.78	2402.22	647.07	7143.78	7171.78	2090.75	3857.13	92.69	2652.68	373.09	7.12	PASS	
8125.00†	7171.23	2401.96	656.07	7143.23	7171.23	2090.75	3857.13	92.59	2553.37	373.31	6.85	PASS	
8225.00†	7170.69	2401.70	665.07	7142.69	7170.69	2090.75	3857.13	92.49	2454.11	373.55	6.58	PASS	
8325.00†	7170.15	2401.44	674.07	7142.15	7170.15	2090.75	3857.13	92.39	2354.92	373.82	6.31	PASS	
8425.00†	7169.60	2401.17	683.07	7141.60	7169.60	2090.75	3857.13	92.29	2255.80	374.13	6.04	PASS	
8525.00†	7169.06	2400.91	692.07	7141.06	7169.06	2090.75	3857.13	92.18	2156.76	374.49	5.77	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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†	7168.51	2400.65	1822.79	7140.51	7168.51	2090.75	3857.13	92.08	2057.81	374.89	5.50	PASS	
8725.00†	7167.97	2400.39	1922.79	7139.97	7167.97	2090.75	3857.13	91.98	1958.97	375.36	5.23	PASS	
8825.00†	7167.43	2400.12	2022.79	7139.43	7167.43	2090.75	3857.13	91.88	1860.25	375.89	4.96	PASS	
8925.00†	7166.88	2399.86	2122.78	7138.88	7166.88	2090.75	3857.13	91.78	1761.68	376.51	4.69	PASS	
9025.00†	7166.34	2399.60	2222.78	7138.34	7166.34	2090.75	3857.13	91.67	1663.27	377.24	4.42	PASS	
9125.00†	7165.79	2399.33	2322.78	7137.79	7165.79	2090.75	3857.13	91.57	1565.07	378.09	4.15	PASS	
9225.00†	7165.25	2399.07	2422.78	7137.25	7165.25	2090.75	3857.13	91.47	1467.12	379.10	3.88	PASS	
9325.00†	7164.71	2398.81	2522.78	7136.71	7164.71	2090.75	3857.13	91.37	1369.45	380.31	3.61	PASS	
9425.00†	7164.16	2398.55	2622.78	7136.16	7164.16	2090.75	3857.13	91.26	1272.15	381.77	3.34	PASS	
9525.00†	7163.62	2398.28	2722.77	7135.62	7163.62	2090.75	3857.13	91.16	1175.31	383.54	3.07	PASS	
9625.00†	7163.08	2398.02	2822.77	7135.08	7163.08	2090.75	3857.13	91.06	1079.03	385.73	2.80	PASS	
9725.00†	7162.53	2397.76	2922.77	7134.53	7162.53	2090.75	3857.13	90.96	983.51	388.46	2.53	PASS	
9825.00†	7161.99	2397.50	3022.77	7133.99	7161.99	2090.75	3857.13	90.85	888.96	391.91	2.27	PASS	
9925.00†	7161.44	2397.23	3122.77	7133.44	7161.44	2090.75	3857.13	90.75	795.75	396.33	2.01	PASS	
10025.00†	7160.90	2396.97	3222.76	7132.90	7160.90	2090.75	3857.13	90.65	704.41	402.07	1.75	PASS	
10125.00†	7160.36	2396.71	3322.76	7132.36	7160.36	2090.75	3857.13	90.55	615.76	409.61	1.50	PASS	
10225.00†	7159.81	2396.45	3422.76	7131.81	7159.81	2090.75	3857.13	90.45	531.16	419.57	1.27	PASS	
10325.00†	7159.27	2396.18	3522.76	7131.27	7159.27	2090.75	3857.13	90.34	452.87	432.59	1.05	PASS	
10425.00†	7158.72	2395.92	3622.76	7130.72	7158.72	2090.75	3857.13	90.24	384.79	448.71	0.86	FAIL	
10525.00†	7158.18	2395.66	3722.76	7130.18	7158.18	2090.75	3857.13	90.14	333.21	465.69	0.72	FAIL	
10625.00†	7157.64	2395.39	3822.75	7129.64	7157.64	2090.75	3857.13	90.04	306.58	476.81	0.64	FAIL	
10659.63†	7157.45	2395.30	3857.38	7129.85	7157.85	2090.75	3857.13	90.08	304.55	477.75	0.64	FAIL	
10660.10†	7157.45	2395.30	3857.85	7129.45	7157.45	2090.75	3857.13	90.00	304.55	477.73	0.64	FAIL	
10725.00†	7157.09	2395.13	3922.75	7129.09	7157.09	2090.75	3857.13	89.93	311.38	474.60	0.66	FAIL	
10825.00†	7156.55	2394.87	4022.75	7128.55	7156.55	2090.75	3857.13	89.83	346.29	460.72	0.75	FAIL	
10925.00†	7156.01	2394.61	4122.75	7128.01	7156.01	2090.75	3857.13	89.73	403.59	443.47	0.91	FAIL	
11025.00†	7155.46	2394.34	4222.75	7127.46	7155.46	2090.75	3857.13	89.63	475.23	428.16	1.11	PASS	
11125.00†	7154.92	2394.08	4322.74	7126.92	7154.92	2090.75	3857.13	89.52	555.70	416.11	1.34	PASS	
11225.00†	7154.37	2393.82	4422.74	7126.37	7154.37	2090.75	3857.13	89.42	641.69	406.95	1.58	PASS	
11325.00†	7153.83	2393.56	4522.74	7125.83	7153.83	2090.75	3857.13	89.32	731.25	400.04	1.83	PASS	
11425.00†	7153.29	2393.29	4622.74	7125.29	7153.29	2090.75	3857.13	89.22	823.22	394.77	2.09	PASS	
11525.00†	7152.74	2393.03	4722.74	7124.74	7152.74	2090.75	3857.13	89.12	916.87	390.72	2.35	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2026.93	5620.83	70.17	5975.13	50.19	121.36	PASS	
125.00†	125.00	0.00	0.00	111.00	125.00	2026.93	5620.83	70.17	5975.13	50.48	120.65	PASS	
200.00	200.00	0.00	0.00	186.00	200.00	2026.93	5620.83	70.17	5975.13	51.18	118.96	PASS	
225.00†	225.00	0.11	0.03	211.00	225.00	2026.93	5620.83	56.28	5975.07	51.50	118.22	PASS	
325.00†	324.96	2.65	0.65	310.96	324.96	2026.93	5620.83	56.33	5973.61	53.23	114.27	PASS	
425.00†	424.77	8.57	2.12	410.77	424.77	2026.93	5620.83	56.43	5970.23	55.56	109.34	PASS	
525.00†	524.30	17.88	4.42	510.30	524.30	2026.93	5620.83	56.60	5964.92	58.34	103.94	PASS	
625.00†	623.44	30.55	7.55	609.44	623.44	2026.93	5620.83	56.82	5957.72	61.47	98.44	PASS	
725.00†	722.07	46.57	11.52	708.07	722.07	2026.93	5620.83	57.11	5948.63	64.86	93.08	PASS	
825.00†	820.05	65.92	16.30	806.05	820.05	2026.93	5620.83	57.45	5937.70	68.45	87.96	PASS	
925.00†	917.29	88.58	21.90	903.29	917.29	2026.93	5620.83	57.86	5924.96	72.19	83.17	PASS	
1025.00†	1013.64	114.52	28.32	999.64	1013.64	2026.93	5620.83	58.32	5910.45	76.04	78.71	PASS	
1125.00†	1109.01	143.71	35.54	1095.01	1109.01	2026.93	5620.83	58.84	5894.23	79.99	74.58	PASS	
1225.00†	1203.27	176.12	43.55	1189.27	1203.27	2026.93	5620.83	59.42	5876.35	84.00	70.75	PASS	
1251.08	1227.65	185.09	45.77	1213.65	1227.65	2026.93	5620.83	59.58	5871.43	85.06	69.81	PASS	
1325.00†	1296.66	210.83	52.13	1282.66	1296.66	2026.93	5620.83	59.79	5857.35	88.08	67.23	PASS	
1425.00†	1390.00	245.65	60.74	1376.00	1390.00	2026.93	5620.83	60.08	5838.45	92.23	63.96	PASS	
1525.00†	1483.35	280.48	69.36	1469.35	1483.35	2026.93	5620.83	60.37	5819.70	96.46	60.93	PASS	
1625.00†	1576.69	315.30	77.97	1562.69	1576.69	2026.93	5620.83	60.67	5801.12	100.76	58.12	PASS	
1725.00†	1670.04	350.12	86.58	1656.04	1670.04	2026.93	5620.83	60.96	5782.70	105.13	55.51	PASS	
1825.00†	1763.38	384.95	95.19	1749.38	1763.38	2026.93	5620.83	61.26	5764.44	109.09	53.18	PASS	
1925.00†	1856.72	419.77	103.80	1842.72	1856.72	2026.93	5620.83	61.55	5746.35	113.12	51.11	PASS	
2025.00†	1950.07	454.59	112.41	1936.07	1950.07	2026.93	5620.83	61.85	5728.43	117.18	49.18	PASS	
2125.00†	2043.41	489.42	121.02	2029.41	2043.41	2026.93	5620.83	62.15	5710.68	121.28	47.36	PASS	
2225.00†	2136.76	524.24	129.63	2122.76	2136.76	2026.93	5620.83	62.46	5693.09	125.40	45.65	PASS	
2325.00†	2230.10	559.06	138.24	2216.10	2230.10	2026.93	5620.83	62.76	5675.68	129.55	44.05	PASS	
2425.00†	2323.45	593.89	146.85	2309.45	2323.45	2026.93	5620.83	63.07	5658.45	133.72	42.54	PASS	
2525.00†	2416.79	628.71	155.46	2402.79	2416.79	2026.93	5620.83	63.37	5641.38	137.92	41.11	PASS	
2625.00†	2510.14	663.53	164.08	2496.14	2510.14	2026.93	5620.83	63.68	5624.50	142.14	39.76	PASS	
2725.00†	2603.48	698.35	172.69	2589.48	2603.48	2026.93	5620.83	63.98	5607.79	146.38	38.49	PASS	
2825.00†	2696.83	733.18	181.30	2682.83	2696.83	2026.93	5620.83	64.31	5591.27	150.64	37.29	PASS	
2925.00†	2790.17	768.00	189.91	2776.17	2790.17	2026.93	5620.83	64.62	5574.92	154.92	36.15	PASS	
3025.00†	2883.51	802.82	198.52	2869.51	2883.51	2026.93	5620.83	64.94	5558.76	159.22	35.06	PASS	
3125.00†	2976.86	837.65	207.13	2962.86	2976.86	2026.93	5620.83	65.25	5542.79	163.54	34.04	PASS	
3225.00†	3070.20	872.47	215.74	3056.20	3070.20	2026.93	5620.83	65.57	5527.00	167.88	33.06	PASS	
3325.00†	3163.55	907.29	224.35	3149.55	3163.55	2026.93	5620.83	65.89	5511.40	172.23	32.13	PASS	
3425.00†	3256.89	942.12	232.96	3242.89	3256.89	2026.93	5620.83	66.22	5495.99	176.60	31.24	PASS	
3525.00†	3350.24	976.94	241.57	3336.24	3350.24	2026.93	5620.83	66.54	5480.77	180.98	30.40	PASS	
3625.00†	3443.58	1011.76	250.18	3429.58	3443.58	2026.93	5620.83	66.87	5465.75	185.38	29.59	PASS	
3725.00†	3536.93	1046.58	258.80	3522.93	3536.93	2026.93	5620.83	67.19	5450.91	189.80	28.82	PASS	
3825.00†	3630.27	1081.41	267.41	3616.27	3630.27	2026.93	5620.83	67.52	5436.28	194.22	28.09	PASS	
3925.00†	3723.62	1116.23	276.02	3709.62	3723.62	2026.93	5620.83	67.85	5421.84	198.66	27.39	PASS	
4025.00†	3816.96	1151.05	284.63	3802.96	3816.96	2026.93	5620.83	68.19	5407.60	203.12	26.71	PASS	
4125.00†	3910.30	1185.88	293.24	3896.30	3910.30	2026.93	5620.83	68.52	5393.57	207.58	26.07	PASS	
4225.00†	4003.65	1220.70	301.85	3989.65	4003.65	2026.93	5620.83	68.85	5379.73	212.06	25.45	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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			
4325.00†	4096.99	1255.52	310.46	4082.99	4096.99	2026.93	5620.83	69.19	5366.10	216.55	24.86	PASS			
4425.00†	4190.34	1290.35	319.07	4176.34	4190.34	2026.93	5620.83	69.53	5352.68	221.05	24.29	PASS			
4525.00†	4283.68	1325.17	327.68	4269.68	4283.68	2026.93	5620.83	69.87	5339.46	225.56	23.74	PASS			
4625.00†	4377.03	1359.99	336.29	4363.03	4377.03	2026.93	5620.83	70.21	5326.45	230.09	23.22	PASS			
4725.00†	4470.37	1394.82	344.90	4456.37	4470.37	2026.93	5620.83	70.55	5313.66	234.62	22.71	PASS			
4825.00†	4563.72	1429.64	353.52	4549.72	4563.72	2026.93	5620.83	70.90	5301.07	239.16	22.23	PASS			
4925.00†	4657.06	1464.46	362.13	4643.06	4657.06	2026.93	5620.83	71.24	5288.70	243.71	21.76	PASS			
5025.00†	4750.41	1499.28	370.74	4736.41	4750.41	2026.93	5620.83	71.59	5276.54	248.27	21.31	PASS			
5125.00†	4843.75	1534.11	379.35	4829.75	4843.75	2026.93	5620.83	71.94	5264.60	252.84	20.88	PASS			
5225.00†	4937.10	1568.93	387.96	4923.10	4937.10	2026.93	5620.83	72.29	5252.87	257.42	20.46	PASS			
5325.00†	5030.44	1603.75	396.57	5016.44	5030.44	2026.93	5620.83	72.64	5241.37	262.00	20.06	PASS			
5425.00†	5123.78	1638.58	405.18	5109.78	5123.78	2026.93	5620.83	72.99	5230.08	266.60	19.67	PASS			
5525.00†	5217.13	1673.40	413.79	5203.13	5217.13	2026.93	5620.83	73.34	5219.02	271.20	19.29	PASS			
5625.00†	5310.47	1708.22	422.40	5296.47	5310.47	2026.93	5620.83	73.70	5208.19	275.81	18.93	PASS			
5725.00†	5403.82	1743.05	431.01	5389.82	5403.82	2026.93	5620.83	74.05	5197.57	280.42	18.58	PASS			
5825.00†	5497.16	1777.87	439.62	5483.16	5497.16	2026.93	5620.83	74.41	5187.19	285.04	18.24	PASS			
5925.00†	5590.51	1812.69	448.24	5576.51	5590.51	2026.93	5620.83	74.77	5177.03	289.67	17.91	PASS			
6025.00†	5683.85	1847.51	456.85	5669.85	5683.85	2026.93	5620.83	75.13	5167.10	294.31	17.60	PASS			
6125.00†	5777.20	1882.34	465.46	5763.20	5777.20	2026.93	5620.83	75.49	5157.40	298.95	17.29	PASS			
6225.00†	5870.54	1917.16	474.07	5856.54	5870.54	2026.93	5620.83	75.85	5147.93	303.59	16.99	PASS			
6325.00†	5963.89	1951.98	482.68	5949.89	5963.89	2026.93	5620.83	76.22	5138.70	308.24	16.71	PASS			
6425.00†	6057.23	1986.81	491.29	6043.23	6057.23	2026.93	5620.83	76.58	5129.69	312.90	16.43	PASS			
6525.00†	6150.57	2021.63	499.90	6136.57	6150.57	2026.93	5620.83	76.95	5120.93	317.56	16.16	PASS			
6625.00†	6243.92	2056.45	508.51	6229.92	6243.92	2026.93	5620.83	77.31	5112.40	322.23	15.90	PASS			
6725.00†	6337.26	2091.28	517.12	6323.26	6337.26	2026.93	5620.83	77.68	5104.11	326.90	15.65	PASS			
6825.00†	6430.61	2126.10	525.73	6416.61	6430.61	2026.93	5620.83	78.05	5096.06	331.58	15.40	PASS			
6925.00†	6523.95	2160.92	534.34	6509.95	6523.95	2026.93	5620.83	78.42	5088.25	336.26	15.16	PASS			
7025.00†	6617.30	2195.75	542.96	6603.30	6617.30	2026.93	5620.83	78.79	5080.68	340.95	14.93	PASS			
7035.17	6626.79	2199.29	543.83	6612.79	6626.79	2026.93	5620.83	78.83	5079.92	341.42	14.91	PASS			
7125.00†	6709.85	2230.27	557.84	6695.85	6709.85	2026.93	5620.83	79.18	5071.77	345.74	14.68	PASS			
7225.00†	6799.11	2263.56	567.92	6785.11	6799.11	2026.93	5620.83	79.54	5063.86	350.89	14.39	PASS			
7325.00†	6882.86	2294.78	578.54	6871.86	6882.86	2026.93	5620.83	79.90	5056.19	355.86	14.06	PASS			
7425.00†	6959.05	2323.17	589.58	6945.05	6959.05	2026.93	5620.83	80.27	5048.74	360.39	13.73	PASS			
7525.00†	7025.79	2348.03	599.63	7011.79	7025.79	2026.93	5620.83	80.64	5041.51	364.36	13.39	PASS			
7625.00†	7081.45	2368.75	609.66	7067.45	7081.45	2026.93	5620.83	81.01	5034.48	368.68	13.06	PASS			
7725.00†	7124.65	2384.81	619.59	7110.65	7124.65	2026.93	5620.83	81.38	5027.64	372.28	12.73	PASS			
7825.00†	7154.32	2395.83	629.34	7140.32	7154.32	2026.93	5620.83	81.75	5021.00	375.10	12.41	PASS			
7925.00†	7169.75	2401.53	638.87	7155.75	7169.75	2026.93	5620.83	82.12	5014.55	377.10	12.12	PASS			
7984.11	7172.00	2402.33	648.11	7158.00	7172.00	2026.93	5620.83	82.49	5008.28	378.31	11.95	PASS			
8025.00†	7171.78	2402.22	657.80	7157.78	7171.78	2026.93	5620.83	82.86	5002.19	378.66	11.84	PASS			
8125.00†	7171.23	2401.96	667.23	7157.23	7171.23	2026.93	5620.83	83.23	5000.00	378.00	11.57	PASS			
8225.00†	7170.69	2401.70	676.69	7156.69	7170.69	2026.93	5620.83	83.60	4997.91	377.33	11.30	PASS			
8325.00†	7170.15	2401.44	686.15	7156.15	7170.15	2026.93	5620.83	83.97	4995.91	376.66	11.03	PASS			
8425.00†	7169.60	2401.17	695.60	7155.60	7169.60	2026.93	5620.83	84.34	4993.99	375.99	10.76	PASS			
8525.00†	7169.06	2400.91	705.06	7155.06	7169.06	2026.93	5620.83	84.71	4992.15	375.32	10.48	PASS			

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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†	7168.51	2400.65	1822.79	7154.51	7168.51	2026.93	5620.83	93.25	3816.38	374.32	10.21	PASS
8725.00†	7167.97	2400.39	1922.79	7153.97	7167.97	2026.93	5620.83	93.17	3716.85	374.53	9.94	PASS
8825.00†	7167.43	2400.12	2022.79	7153.43	7167.43	2026.93	5620.83	93.08	3617.34	374.76	9.67	PASS
8925.00†	7166.88	2399.86	2122.78	7152.88	7166.88	2026.93	5620.83	93.00	3517.87	375.02	9.40	PASS
9025.00†	7166.34	2399.60	2222.78	7152.34	7166.34	2026.93	5620.83	92.91	3418.42	375.29	9.12	PASS
9125.00†	7165.79	2399.33	2322.78	7151.79	7165.79	2026.93	5620.83	92.82	3319.01	375.59	8.85	PASS
9225.00†	7165.25	2399.07	2422.78	7151.25	7165.25	2026.93	5620.83	92.74	3219.63	375.92	8.58	PASS
9325.00†	7164.71	2398.81	2522.78	7150.71	7164.71	2026.93	5620.83	92.65	3120.29	376.28	8.31	PASS
9425.00†	7164.16	2398.55	2622.78	7150.16	7164.16	2026.93	5620.83	92.57	3021.00	376.67	8.03	PASS
9525.00†	7163.62	2398.28	2722.77	7149.62	7163.62	2026.93	5620.83	92.48	2921.75	377.11	7.76	PASS
9625.00†	7163.08	2398.02	2822.77	7149.08	7163.08	2026.93	5620.83	92.40	2822.56	377.59	7.49	PASS
9725.00†	7162.53	2397.76	2922.77	7148.53	7162.53	2026.93	5620.83	92.31	2723.42	378.12	7.21	PASS
9825.00†	7161.99	2397.50	3022.77	7147.99	7161.99	2026.93	5620.83	92.23	2624.35	378.70	6.94	PASS
9925.00†	7161.44	2397.23	3122.77	7147.44	7161.44	2026.93	5620.83	92.14	2525.36	379.35	6.67	PASS
10025.00†	7160.90	2396.97	3222.76	7146.90	7160.90	2026.93	5620.83	92.05	2426.45	380.08	6.39	PASS
10125.00†	7160.36	2396.71	3322.76	7146.36	7160.36	2026.93	5620.83	91.97	2327.63	380.89	6.12	PASS
10225.00†	7159.81	2396.45	3422.76	7145.81	7159.81	2026.93	5620.83	91.88	2228.91	381.81	5.85	PASS
10325.00†	7159.27	2396.18	3522.76	7145.27	7159.27	2026.93	5620.83	91.80	2130.31	382.83	5.57	PASS
10425.00†	7158.72	2395.92	3622.76	7144.72	7158.72	2026.93	5620.83	91.71	2031.86	383.99	5.30	PASS
10525.00†	7158.18	2395.66	3722.76	7144.18	7158.18	2026.93	5620.83	91.63	1933.56	385.31	5.03	PASS
10625.00†	7157.64	2395.39	3822.75	7143.64	7157.64	2026.93	5620.83	91.54	1835.44	386.81	4.75	PASS
10725.00†	7157.09	2395.13	3922.75	7143.09	7157.09	2026.93	5620.83	91.46	1737.54	388.54	4.48	PASS
10825.00†	7156.55	2394.87	4022.75	7142.55	7156.55	2026.93	5620.83	91.37	1639.89	390.52	4.21	PASS
10925.00†	7156.01	2394.61	4122.75	7142.01	7156.01	2026.93	5620.83	91.28	1542.54	392.82	3.93	PASS
11025.00†	7155.46	2394.34	4222.75	7141.46	7155.46	2026.93	5620.83	91.20	1445.55	395.51	3.66	PASS
11125.00†	7154.92	2394.08	4322.74	7140.92	7154.92	2026.93	5620.83	91.11	1349.01	398.66	3.39	PASS
11225.00†	7154.37	2393.82	4422.74	7140.37	7154.37	2026.93	5620.83	91.03	1253.00	402.38	3.12	PASS
11325.00†	7153.83	2393.56	4522.74	7139.83	7153.83	2026.93	5620.83	90.94	1157.67	406.83	2.85	PASS
11425.00†	7153.29	2393.29	4622.74	7139.29	7153.29	2026.93	5620.83	90.86	1063.20	412.16	2.58	PASS
11525.00†	7152.74	2393.03	4722.74	7138.74	7152.74	2026.93	5620.83	90.77	969.84	418.64	2.32	PASS
11625.00†	7152.20	2392.77	4822.74	7138.20	7152.20	2026.93	5620.83	90.69	877.95	426.56	2.06	PASS
11725.00†	7151.65	2392.51	4922.73	7137.65	7151.65	2026.93	5620.83	90.60	788.02	436.34	1.81	PASS
11825.00†	7151.11	2392.24	5022.73	7137.11	7151.11	2026.93	5620.83	90.51	700.84	448.48	1.56	PASS
11925.00†	7150.57	2391.98	5122.73	7136.57	7150.57	2026.93	5620.83	90.43	617.55	463.60	1.33	PASS
12025.00†	7150.02	2391.72	5222.73	7136.02	7150.02	2026.93	5620.83	90.34	539.96	482.21	1.12	PASS
12125.00†	7149.48	2391.45	5322.73	7135.48	7149.48	2026.93	5620.83	90.26	470.90	504.30	0.93	FAIL
12225.00†	7148.93	2391.19	5422.72	7134.93	7148.93	2026.93	5620.83	90.17	414.65	528.09	0.78	FAIL
12325.00†	7148.39	2390.93	5522.72	7134.39	7148.39	2026.93	5620.83	90.09	376.99	548.38	0.69	FAIL
12425.00†	7147.85	2390.67	5622.72	7133.85	7147.85	2026.93	5620.83	90.00	363.74	557.05	0.65	FAIL
12525.00†	7147.30	2390.40	5722.72	7133.30	7147.30	2026.93	5620.83	89.91	377.49	549.62	0.69	FAIL
12625.00†	7146.76	2390.14	5822.72	7132.76	7146.76	2026.93	5620.83	89.83	415.55	530.42	0.78	FAIL
12725.00†	7146.22	2389.88	5922.72	7132.22	7146.22	2026.93	5620.83	89.74	472.09	507.48	0.93	FAIL
12825.00†	7145.67	2389.62	6022.71	7131.67	7145.67	2026.93	5620.83	89.66	541.35	486.00	1.11	PASS
12925.00†	7145.13	2389.35	6122.71	7131.13	7145.13	2026.93	5620.83	89.57	619.06	467.79	1.32	PASS
13025.00†	7144.58	2389.09	6222.71	7130.58	7144.58	2026.93	5620.83	89.49	702.44	452.94	1.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	7130.04	7144.04	2026.93	5620.83	89.40	789.69	440.96	1.79	PASS	
13225.00†	7143.50	2388.57	6422.71	7129.50	7143.50	2026.93	5620.83	89.31	879.65	431.28	2.04	PASS	
13325.00†	7142.95	2388.30	6522.70	7128.95	7142.95	2026.93	5620.83	89.23	971.56	423.41	2.30	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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-44.80	-90.00	44.80	1.56	73.06	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-44.80	-90.00	44.80	1.88	47.84	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-44.80	-90.00	44.80	2.30	32.86	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	-44.80	-104.02	44.83	2.44	29.74	PASS	
325.00†	324.96	2.65	0.65	325.06	325.06	0.11	-44.78	-107.08	45.50	3.07	21.17	PASS	
425.00†	424.77	8.57	2.12	425.48	425.44	2.69	-44.23	-111.13	46.73	3.88	15.70	PASS	
525.00†	524.30	17.88	4.42	526.02	525.78	8.72	-42.96	-114.87	48.28	4.87	12.12	PASS	
625.00†	623.44	30.55	7.55	626.68	625.97	18.21	-40.96	-118.28	50.13	5.94	9.87	PASS	
725.00†	722.07	46.57	11.52	727.46	725.88	31.15	-38.24	-121.34	52.23	7.10	8.35	PASS	
825.00†	820.05	65.92	16.30	828.36	825.37	47.54	-34.78	-124.06	54.55	8.34	7.27	PASS	
925.00†	917.29	88.58	21.90	929.39	924.34	67.38	-30.60	-126.46	57.06	9.66	6.45	PASS	
1025.00†	1013.64	114.52	28.32	1030.53	1022.64	90.65	-25.70	-128.54	59.74	11.04	5.83	PASS	
1125.00†	1109.01	143.71	35.54	1131.79	1120.15	117.33	-20.08	-130.35	62.55	12.52	5.33	PASS	
1225.00†	1203.27	176.12	43.55	1233.16	1216.75	147.41	-13.74	-131.90	65.48	14.07	4.92	PASS	
1251.08	1227.65	185.09	45.77	1259.62	1241.77	155.80	-11.97	-132.26	66.26	14.48	4.83	PASS	
1325.00†	1296.66	210.83	52.13	1334.67	1312.32	180.85	-6.69	-132.65	67.86	15.60	4.57	PASS	
1425.00†	1390.00	245.65	60.74	1436.21	1406.65	217.60	1.05	-131.16	68.03	17.32	4.10	PASS	
1525.00†	1483.35	280.48	69.36	1537.53	1499.40	257.51	9.46	-127.23	66.13	19.35	3.54	PASS	
1625.00†	1576.69	315.30	77.97	1638.39	1590.23	300.40	18.50	-120.34	62.78	21.89	2.95	PASS	
1725.00†	1670.04	350.12	86.58	1737.89	1679.04	344.30	27.75	-111.28	59.80	24.77	2.47	PASS	
1825.00†	1763.38	384.95	95.19	1837.37	1767.84	388.19	37.00	-101.55	58.45	26.25	2.26	PASS	
1925.00†	1856.72	419.77	103.80	1936.85	1856.63	432.08	46.25	-91.66	58.85	26.58	2.25	PASS	
2025.00†	1950.07	454.59	112.41	2036.34	1945.43	475.98	55.50	-82.18	60.98	26.59	2.33	PASS	
2125.00†	2043.41	489.42	121.02	2135.82	2034.22	519.87	64.75	-73.56	64.64	26.37	2.49	PASS	
2225.00†	2136.76	524.24	129.63	2235.30	2123.02	563.76	73.99	-66.00	69.62	26.06	2.72	PASS	
2325.00†	2230.10	559.06	138.24	2334.78	2211.81	607.66	83.24	-59.53	75.64	25.79	2.99	PASS	
2425.00†	2323.45	593.89	146.85	2434.26	2300.61	651.55	92.49	-54.08	82.47	25.63	3.28	PASS	
2525.00†	2416.79	628.71	155.46	2533.74	2389.40	695.44	101.74	-49.48	89.94	25.61	3.58	PASS	
2625.00†	2510.14	663.53	164.08	2633.23	2478.20	739.33	110.99	-45.61	97.90	25.74	3.88	PASS	
2725.00†	2603.48	698.35	172.69	2732.71	2566.99	783.23	120.24	-42.34	106.23	26.02	4.17	PASS	
2825.00†	2696.83	733.18	181.30	2832.19	2655.78	827.12	129.49	-39.54	114.86	26.43	4.44	PASS	
2925.00†	2790.17	768.00	189.91	2931.67	2744.58	871.01	138.74	-37.14	123.73	26.96	4.69	PASS	
3025.00†	2883.51	802.82	198.52	3031.15	2833.37	914.91	147.99	-35.06	132.78	27.59	4.91	PASS	
3125.00†	2976.86	837.65	207.13	3130.64	2922.17	958.80	157.23	-33.25	141.98	28.31	5.12	PASS	
3225.00†	3070.20	872.47	215.74	3230.12	3010.96	1002.69	166.48	-31.66	151.31	29.10	5.30	PASS	
3325.00†	3163.55	907.29	224.35	3329.60	3099.76	1046.58	175.73	-30.26	160.73	29.95	5.47	PASS	
3425.00†	3256.89	942.12	232.96	3429.08	3188.55	1090.48	184.98	-29.01	170.25	30.86	5.62	PASS	
3525.00†	3350.24	976.94	241.57	3528.56	3277.35	1134.37	194.23	-27.90	179.83	31.82	5.76	PASS	
3625.00†	3443.58	1011.76	250.18	3628.04	3366.14	1178.26	203.48	-26.90	189.48	32.82	5.88	PASS	
3725.00†	3536.93	1046.58	258.80	3727.53	3454.94	1222.16	212.73	-25.99	199.17	33.85	5.99	PASS	
3825.00†	3630.27	1081.41	267.41	3827.01	3543.73	1266.05	221.98	-25.17	208.91	34.92	6.09	PASS	
3925.00†	3723.62	1116.23	276.02	3926.49	3632.53	1309.94	231.23	-24.42	218.70	36.01	6.17	PASS	
4025.00†	3816.96	1151.05	284.63	4025.97	3721.32	1353.83	240.47	-23.74	228.51	37.13	6.25	PASS	
4125.00†	3910.30	1185.88	293.24	4125.45	3810.12	1397.73	249.72	-23.11	238.35	38.27	6.33	PASS	
4225.00†	4003.65	1220.70	301.85	4224.94	3898.91	1441.62	258.97	-22.53	248.22	39.42	6.39	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4324.42	3987.70	1485.51	268.22	-22.00	258.12	40.60	6.45	PASS	
4425.00†	4190.34	1290.35	319.07	4423.90	4076.50	1529.41	277.47	-21.51	268.03	41.78	6.51	PASS	
4525.00†	4283.68	1325.17	327.68	4523.38	4165.29	1573.30	286.72	-21.05	277.96	42.99	6.56	PASS	
4625.00†	4377.03	1359.99	336.29	4622.86	4254.09	1617.19	295.97	-20.62	287.91	44.20	6.60	PASS	
4725.00†	4470.37	1394.82	344.90	4722.34	4342.88	1661.09	305.22	-20.22	297.87	45.42	6.65	PASS	
4825.00†	4563.72	1429.64	353.52	4821.83	4431.68	1704.98	314.47	-19.85	307.85	46.66	6.68	PASS	
4925.00†	4657.06	1464.46	362.13	4921.31	4520.47	1748.87	323.71	-19.50	317.84	47.90	6.72	PASS	
5025.00†	4750.41	1499.28	370.74	5020.79	4609.27	1792.76	332.96	-19.17	327.84	49.15	6.75	PASS	
5125.00†	4843.75	1534.11	379.35	5120.27	4698.06	1836.66	342.21	-18.86	337.85	50.41	6.78	PASS	
5225.00†	4937.10	1568.93	387.96	5219.75	4786.86	1880.55	351.46	-18.57	347.87	51.67	6.81	PASS	
5325.00†	5030.44	1603.75	396.57	5319.23	4875.65	1924.44	360.71	-18.30	357.89	52.94	6.84	PASS	
5425.00†	5123.78	1638.58	405.18	5418.72	4964.45	1968.34	369.96	-18.04	367.93	54.22	6.86	PASS	
5525.00†	5217.13	1673.40	413.79	5518.20	5053.24	2012.23	379.21	-17.79	377.97	55.50	6.89	PASS	
5625.00†	5310.47	1708.22	422.40	5617.68	5142.04	2056.12	388.46	-17.56	388.02	56.79	6.91	PASS	
5725.00†	5403.82	1743.05	431.01	5717.16	5230.83	2100.01	397.71	-17.34	398.07	58.08	6.93	PASS	
5825.00†	5497.16	1777.87	439.62	5816.64	5319.63	2143.91	406.95	-17.13	408.13	59.37	6.95	PASS	
5925.00†	5590.51	1812.69	448.24	5916.13	5408.42	2187.80	416.20	-16.93	418.20	60.67	6.96	PASS	
6025.00†	5683.85	1847.51	456.85	6015.61	5497.21	2231.69	425.45	-16.74	428.27	61.97	6.98	PASS	
6125.00†	5777.20	1882.34	465.46	6115.09	5586.01	2275.59	434.70	-16.55	438.34	63.28	6.99	PASS	
6225.00†	5870.54	1917.16	474.07	6214.57	5674.80	2319.48	443.95	-16.38	448.42	64.59	7.01	PASS	
6325.00†	5963.89	1951.98	482.68	6314.05	5763.60	2363.37	453.20	-16.21	458.50	65.90	7.02	PASS	
6425.00†	6057.23	1986.81	491.29	6413.53	5852.39	2407.27	462.45	-16.06	468.59	67.21	7.04	PASS	
6525.00†	6150.57	2021.63	499.90	6513.02	5941.19	2451.16	471.70	-15.90	478.68	68.53	7.05	PASS	
6625.00†	6243.92	2056.45	508.51	6612.50	6029.98	2495.05	480.95	-15.76	488.77	69.85	7.06	PASS	
6725.00†	6337.26	2091.28	517.12	6711.98	6118.78	2538.94	490.19	-15.62	498.87	71.17	7.07	PASS	
6825.00†	6430.61	2126.10	525.73	6811.46	6207.57	2582.84	499.44	-15.48	508.97	72.49	7.08	PASS	
6925.00†	6523.95	2160.92	534.34	6910.94	6296.37	2626.73	508.69	-15.35	519.07	73.81	7.09	PASS	
7025.00†	6617.30	2195.75	542.96	7010.43	6385.16	2670.62	517.94	-15.23	529.17	75.14	7.10	PASS	
7035.17	6626.79	2199.29	543.83	7020.54	6394.19	2675.09	518.88	-15.22	530.20	75.28	7.10	PASS	
7125.00†	6709.85	2230.27	557.84	7109.66	6473.73	2714.41	527.17	-33.08	539.52	76.50	7.11	PASS	
7225.00†	6799.11	2263.56	587.92	7206.81	6560.45	2757.27	536.20	-48.18	550.81	77.95	7.12	PASS	
7325.00†	6882.86	2294.78	632.54	7299.49	6643.17	2798.16	544.82	-59.27	564.40	79.53	7.15	PASS	
7425.00†	6959.05	2323.17	690.58	7404.43	6736.04	2844.08	560.86	-68.15	581.29	81.59	7.18	PASS	
7525.00†	7025.79	2348.03	760.63	7523.02	6836.54	2893.78	598.96	-75.10	599.83	84.15	7.18	PASS	
7625.00†	7081.45	2368.75	840.96	7655.49	6939.12	2944.52	665.20	-80.62	618.60	87.03	7.16	PASS	
7725.00†	7124.65	2384.81	929.59	7804.13	7036.77	2992.87	765.80	-84.98	635.83	90.07	7.11	PASS	
7825.00†	7154.32	2395.83	1024.34	7969.49	7117.58	3032.91	903.85	-88.13	649.42	93.36	7.00	PASS	
7925.00†	7169.75	2401.53	1122.87	8148.53	7166.05	3057.00	1073.89	-89.89	657.31	97.09	6.81	PASS	
7984.11	7172.00	2402.33	1181.91	8257.86	7174.01	3061.02	1182.73	-90.17	658.69	99.50	6.66	PASS	
8025.00†	7171.78	2402.22	1222.80	8299.52	7173.74	3060.92	1224.38	-90.17	658.70	101.56	6.52	PASS	
8125.00†	7171.23	2401.96	1322.80	8399.52	7173.11	3060.68	1324.38	-90.16	658.73	106.98	6.19	PASS	
8225.00†	7170.69	2401.70	1422.80	8499.52	7172.47	3060.45	1424.37	-90.16	658.75	112.90	5.87	PASS	
8325.00†	7170.15	2401.44	1522.80	8599.52	7171.83	3060.21	1524.37	-90.15	658.78	119.25	5.55	PASS	
8425.00†	7169.60	2401.17	1622.79	8699.52	7171.19	3059.97	1624.37	-90.14	658.80	125.96	5.25	PASS	
8525.00†	7169.06	2400.91	1722.79	8799.52	7170.55	3059.73	1724.37	-90.13	658.83	132.97	4.98	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	
8625.00†	7168.51	2400.65	1822.79	8899.52	7169.91	3059.49	1824.37	-90.12	658.85	140.25	4.72	PASS	
8725.00†	7167.97	2400.39	1922.79	8999.52	7169.27	3059.26	1924.36	-90.11	658.88	147.75	4.48	PASS	
8825.00†	7167.43	2400.12	2022.79	9099.52	7168.64	3059.02	2024.36	-90.11	658.90	155.44	4.25	PASS	
8925.00†	7166.88	2399.86	2122.78	9199.52	7168.00	3058.78	2124.36	-90.10	658.92	163.29	4.05	PASS	
9025.00†	7166.34	2399.60	2222.78	9299.52	7167.36	3058.54	2224.36	-90.09	658.95	171.29	3.86	PASS	
9125.00†	7165.79	2399.33	2322.78	9399.51	7166.72	3058.31	2324.35	-90.08	658.97	179.40	3.68	PASS	
9225.00†	7165.25	2399.07	2422.78	9499.51	7166.08	3058.07	2424.35	-90.07	659.00	187.62	3.52	PASS	
9325.00†	7164.71	2398.81	2522.78	9599.51	7165.44	3057.83	2524.35	-90.06	659.02	195.93	3.37	PASS	
9425.00†	7164.16	2398.55	2622.78	9699.51	7164.80	3057.59	2624.35	-90.06	659.05	204.33	3.23	PASS	
9525.00†	7163.62	2398.28	2722.77	9799.51	7164.16	3057.36	2724.34	-90.05	659.07	212.79	3.10	PASS	
9625.00†	7163.08	2398.02	2822.77	9899.51	7163.53	3057.12	2824.34	-90.04	659.10	221.32	2.98	PASS	
9725.00†	7162.53	2397.76	2922.77	9999.51	7162.89	3056.88	2924.34	-90.03	659.12	229.91	2.87	PASS	
9825.00†	7161.99	2397.50	3022.77	10099.51	7162.25	3056.64	3024.34	-90.02	659.15	238.54	2.77	PASS	
9925.00†	7161.44	2397.23	3122.77	10199.51	7161.61	3056.40	3124.33	-90.01	659.17	247.22	2.67	PASS	
10025.00†	7160.90	2396.97	3222.76	10299.51	7160.97	3056.17	3224.33	-90.01	659.20	255.94	2.58	PASS	
10125.00†	7160.36	2396.71	3322.76	10399.51	7160.33	3055.93	3324.33	-90.00	659.22	264.70	2.49	PASS	
10225.00†	7159.81	2396.45	3422.76	10499.51	7159.69	3055.69	3424.33	-89.99	659.25	273.49	2.41	PASS	
10325.00†	7159.27	2396.18	3522.76	10599.51	7159.05	3055.45	3524.33	-89.98	659.27	282.31	2.34	PASS	
10425.00†	7158.72	2395.92	3622.76	10699.51	7158.42	3055.22	3624.32	-89.97	659.30	291.16	2.27	PASS	
10525.00†	7158.18	2395.66	3722.76	10799.51	7157.78	3054.98	3724.32	-89.97	659.32	300.03	2.20	PASS	
10625.00†	7157.64	2395.39	3822.75	10899.51	7157.14	3054.74	3824.32	-89.96	659.35	308.92	2.14	PASS	
10725.00†	7157.09	2395.13	3922.75	10999.51	7156.50	3054.50	3924.32	-89.95	659.37	317.84	2.08	PASS	
10825.00†	7156.55	2394.87	4022.75	11099.51	7155.86	3054.26	4024.31	-89.94	659.40	326.77	2.02	PASS	
10925.00†	7156.01	2394.61	4122.75	11199.51	7155.22	3054.03	4124.31	-89.93	659.42	335.72	1.97	PASS	
11025.00†	7155.46	2394.34	4222.75	11299.51	7154.58	3053.79	4224.31	-89.92	659.45	344.69	1.92	PASS	
11125.00†	7154.92	2394.08	4322.74	11399.51	7153.95	3053.55	4324.31	-89.92	659.47	353.67	1.87	PASS	
11225.00†	7154.37	2393.82	4422.74	11499.51	7153.31	3053.31	4424.30	-89.91	659.50	362.66	1.82	PASS	
11325.00†	7153.83	2393.56	4522.74	11599.51	7152.67	3053.08	4524.30	-89.90	659.52	371.67	1.78	PASS	
11425.00†	7153.29	2393.29	4622.74	11699.51	7152.03	3052.84	4624.30	-89.89	659.55	380.69	1.73	PASS	
11525.00†	7152.74	2393.03	4722.74	11799.51	7151.39	3052.60	4724.30	-89.88	659.57	389.72	1.69	PASS	
11625.00†	7152.20	2392.77	4822.74	11899.51	7150.75	3052.36	4824.29	-89.87	659.60	398.76	1.66	PASS	
11725.00†	7151.65	2392.51	4922.73	11999.51	7150.11	3052.13	4924.29	-89.87	659.62	407.81	1.62	PASS	
11825.00†	7151.11	2392.24	5022.73	12099.51	7149.47	3051.89	5024.29	-89.86	659.65	416.87	1.58	PASS	
11925.00†	7150.57	2391.98	5122.73	12199.51	7148.84	3051.65	5124.29	-89.85	659.67	425.94	1.55	PASS	
12025.00†	7150.02	2391.72	5222.73	12299.51	7148.20	3051.41	5224.28	-89.84	659.70	435.01	1.52	PASS	
12125.00†	7149.48	2391.45	5322.73	12399.51	7147.56	3051.17	5324.28	-89.83	659.72	444.10	1.49	PASS	
12225.00†	7148.93	2391.19	5422.72	12499.51	7146.92	3050.94	5424.28	-89.83	659.75	453.19	1.46	PASS	
12325.00†	7148.39	2390.93	5522.72	12599.51	7146.28	3050.70	5524.28	-89.82	659.77	462.28	1.43	PASS	
12425.00†	7147.85	2390.67	5622.72	12699.51	7145.64	3050.46	5624.28	-89.81	659.80	471.39	1.40	PASS	
12525.00†	7147.30	2390.40	5722.72	12799.51	7145.00	3050.22	5724.27	-89.80	659.83	480.49	1.37	PASS	
12625.00†	7146.76	2390.14	5822.72	12899.51	7144.36	3049.99	5824.27	-89.79	659.85	489.61	1.35	PASS	
12725.00†	7146.22	2389.88	5922.72	12999.51	7143.73	3049.75	5924.27	-89.78	659.88	498.73	1.32	PASS	
12825.00†	7145.67	2389.62	6022.71	13099.51	7143.09	3049.51	6024.27	-89.78	659.90	507.85	1.30	PASS	
12925.00†	7145.13	2389.35	6122.71	13199.51	7142.45	3049.27	6124.26	-89.77	659.93	516.98	1.28	PASS	
13025.00†	7144.58	2389.09	6222.71	13299.51	7141.81	3049.03	6224.26	-89.76	659.95	526.11	1.25	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	13399.51	7141.17	3048.80	6324.26	-89.75	659.98	535.25	1.23	PASS	
13225.00†	7143.50	2388.57	6422.71	13499.51	7140.53	3048.56	6424.26	-89.74	660.00	544.39	1.21	PASS	
13325.00†	7142.95	2388.30	6522.70	13599.51	7139.89	3048.32	6524.25	-89.73	660.03	553.54	1.19	PASS	
13425.00†	7142.41	2388.04	6622.70	13699.51	7139.26	3048.08	6624.25	-89.73	660.05	562.68	1.17	PASS	
13525.00†	7141.86	2387.78	6722.70	13799.51	7138.62	3047.85	6724.25	-89.72	660.08	571.84	1.15	PASS	
13625.00†	7141.32	2387.51	6822.70	13899.51	7137.98	3047.61	6824.25	-89.71	660.10	580.99	1.14	PASS	
13725.00†	7140.78	2387.25	6922.70	13999.51	7137.34	3047.37	6924.24	-89.70	660.13	590.15	1.12	PASS	
13825.00†	7140.23	2386.99	7022.70	14099.51	7136.70	3047.13	7024.24	-89.69	660.15	599.31	1.10	PASS	
13925.00†	7139.69	2386.73	7122.69	14199.51	7136.06	3046.90	7124.24	-89.69	660.18	608.47	1.09	PASS	
14025.00†	7139.14	2386.46	7222.69	14299.51	7135.42	3046.66	7224.24	-89.68	660.21	617.64	1.07	PASS	
14125.00†	7138.60	2386.20	7322.69	14399.51	7134.78	3046.42	7324.23	-89.67	660.23	626.81	1.05	PASS	
14225.00†	7138.06	2385.94	7422.69	14499.51	7134.15	3046.18	7424.23	-89.66	660.26	635.98	1.04	PASS	
14325.00†	7137.51	2385.68	7522.69	14599.51	7133.51	3045.94	7524.23	-89.65	660.28	645.15	1.02	PASS	
14425.00†	7136.97	2385.41	7622.68	14699.51	7132.87	3045.71	7624.23	-89.64	660.31	654.33	1.01	PASS	
14525.00†	7136.43	2385.15	7722.68	14799.51	7132.23	3045.47	7724.23	-89.64	660.33	663.51	1.00	FAIL	
14625.00†	7135.88	2384.89	7822.68	14899.51	7131.59	3045.23	7824.22	-89.63	660.36	672.69	0.98	FAIL	
14725.00†	7135.34	2384.63	7922.68	14999.51	7130.95	3044.99	7924.22	-89.62	660.38	681.87	0.97	FAIL	
14825.00†	7134.79	2384.36	8022.68	15099.51	7130.31	3044.76	8024.22	-89.61	660.41	691.05	0.96	FAIL	
14925.00†	7134.25	2384.10	8122.68	15199.51	7129.68	3044.52	8124.22	-89.60	660.44	700.24	0.94	FAIL	
15025.00†	7133.71	2383.84	8222.67	15299.51	7129.04	3044.28	8224.21	-89.60	660.46	709.43	0.93	FAIL	
15125.00†	7133.16	2383.57	8322.67	15399.51	7128.40	3044.04	8324.21	-89.59	660.49	718.62	0.92	FAIL	
15225.00†	7132.62	2383.31	8422.67	15499.51	7127.76	3043.80	8424.21	-89.58	660.51	727.81	0.91	FAIL	
15325.00†	7132.07	2383.05	8522.67	15599.51	7127.12	3043.57	8524.21	-89.57	660.54	737.00	0.90	FAIL	
15338.67	7132.00	2383.01	8536.34	15613.18	7127.03	3043.53	8537.88	-89.57	660.54	738.26	0.89	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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	-27.31	106.57	-4.85
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1689.85	0.00	-27.31	106.57	-4.85
8.5in Open Hole	1750.00	15618.37	13868.37	1689.85	7127.00	106.57	-4.85	927.66	2590.27

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2892.54	5398.36	61.82	6124.46	50.20	124.37	PASS	
125.00†	125.00	0.00	0.00	115.00	125.00	2892.54	5398.36	61.82	6124.46	50.52	123.58	PASS	
200.00	200.00	0.00	0.00	190.00	200.00	2892.54	5398.36	61.82	6124.46	51.22	121.84	PASS	
225.00†	225.00	0.11	0.03	215.00	225.00	2892.54	5398.36	47.93	6124.39	51.56	121.01	PASS	
325.00†	324.96	2.65	0.65	314.96	324.96	2892.54	5398.36	47.97	6122.64	53.32	116.92	PASS	
425.00†	424.77	8.57	2.12	414.77	424.77	2892.54	5398.36	48.08	6118.55	55.68	111.81	PASS	
525.00†	524.30	17.88	4.42	514.30	524.30	2892.54	5398.36	48.24	6112.14	58.48	106.25	PASS	
625.00†	623.44	30.55	7.55	613.44	623.44	2892.54	5398.36	48.46	6103.42	61.63	100.59	PASS	
725.00†	722.07	46.57	11.52	712.07	722.07	2892.54	5398.36	48.74	6092.42	65.04	95.07	PASS	
825.00†	820.05	65.92	16.30	810.05	820.05	2892.54	5398.36	49.08	6079.17	68.64	89.81	PASS	
925.00†	917.29	88.58	21.90	907.29	917.29	2892.54	5398.36	49.49	6063.70	72.38	84.89	PASS	
1025.00†	1013.64	114.52	28.32	1003.64	1013.64	2892.54	5398.36	49.95	6046.06	76.23	80.32	PASS	
1125.00†	1109.01	143.71	35.54	1099.01	1109.01	2892.54	5398.36	50.47	6026.27	80.16	76.08	PASS	
1225.00†	1203.27	176.12	43.55	1193.27	1203.27	2892.54	5398.36	51.06	6004.41	84.16	72.16	PASS	
1251.08	1227.65	185.09	45.77	1217.65	1227.65	2892.54	5398.36	51.22	5998.38	85.22	71.18	PASS	
1325.00†	1296.66	210.83	52.13	1286.66	1296.66	2892.54	5398.36	51.41	5981.11	88.21	68.55	PASS	
1425.00†	1390.00	245.65	60.74	1380.00	1390.00	2892.54	5398.36	51.67	5957.86	92.32	65.20	PASS	
1525.00†	1483.35	280.48	69.36	1473.35	1483.35	2892.54	5398.36	51.93	5934.74	96.51	62.10	PASS	
1625.00†	1576.69	315.30	77.97	1566.69	1576.69	2892.54	5398.36	52.19	5911.75	100.76	59.23	PASS	
1725.00†	1670.04	350.12	86.58	1660.04	1670.04	2892.54	5398.36	52.46	5888.88	105.08	56.55	PASS	
1825.00†	1763.38	384.95	95.19	1753.38	1763.38	2892.54	5398.36	52.72	5866.14	109.01	54.16	PASS	
1925.00†	1856.72	419.77	103.80	1846.72	1856.72	2892.54	5398.36	52.95	5843.54	113.04	52.01	PASS	
2025.00†	1950.07	454.59	112.41	1940.07	1950.07	2892.54	5398.36	53.26	5821.07	117.11	50.00	PASS	
2125.00†	2043.41	489.42	121.02	2033.41	2043.41	2892.54	5398.36	53.53	5798.73	121.20	48.12	PASS	
2225.00†	2136.76	524.24	129.63	2126.76	2136.76	2892.54	5398.36	53.81	5776.53	125.33	46.35	PASS	
2325.00†	2230.10	559.06	138.24	2220.10	2230.10	2892.54	5398.36	54.08	5754.47	129.47	44.68	PASS	
2425.00†	2323.45	593.89	146.85	2313.45	2323.45	2892.54	5398.36	54.36	5732.55	133.65	43.12	PASS	
2525.00†	2416.79	628.71	155.46	2406.79	2416.79	2892.54	5398.36	54.64	5710.77	137.85	41.64	PASS	
2625.00†	2510.14	663.53	164.08	2500.14	2510.14	2892.54	5398.36	54.92	5689.13	142.07	40.24	PASS	
2725.00†	2603.48	698.35	172.69	2593.48	2603.48	2892.54	5398.36	55.20	5667.64	146.31	38.92	PASS	
2825.00†	2696.83	733.18	181.30	2686.83	2696.83	2892.54	5398.36	55.49	5646.29	150.57	37.67	PASS	
2925.00†	2790.17	768.00	189.91	2780.17	2790.17	2892.54	5398.36	55.78	5625.09	154.85	36.49	PASS	
3025.00†	2883.51	802.82	198.52	2873.51	2883.51	2892.54	5398.36	56.07	5604.04	159.15	35.36	PASS	
3125.00†	2976.86	837.65	207.13	2966.86	2976.86	2892.54	5398.36	56.36	5583.14	163.47	34.30	PASS	
3225.00†	3070.20	872.47	215.74	3060.20	3070.20	2892.54	5398.36	56.65	5562.39	167.81	33.28	PASS	
3325.00†	3163.55	907.29	224.35	3153.55	3163.55	2892.54	5398.36	56.95	5541.80	172.16	32.32	PASS	
3425.00†	3256.89	942.12	232.96	3246.89	3256.89	2892.54	5398.36	57.25	5521.37	176.53	31.40	PASS	
3525.00†	3350.24	976.94	241.57	3340.24	3350.24	2892.54	5398.36	57.54	5501.09	180.91	30.52	PASS	
3625.00†	3443.58	1011.76	250.18	3433.58	3443.58	2892.54	5398.36	57.85	5480.97	185.31	29.69	PASS	
3725.00†	3536.93	1046.58	258.80	3526.93	3536.93	2892.54	5398.36	58.15	5461.01	189.72	28.89	PASS	
3825.00†	3630.27	1081.41	267.41	3620.27	3630.27	2892.54	5398.36	58.46	5441.22	194.15	28.12	PASS	
3925.00†	3723.62	1116.23	276.02	3713.62	3723.62	2892.54	5398.36	58.76	5421.59	198.59	27.39	PASS	
4025.00†	3816.96	1151.05	284.63	3806.96	3816.96	2892.54	5398.36	59.07	5402.13	203.04	26.70	PASS	
4125.00†	3910.30	1185.88	293.24	3900.30	3910.30	2892.54	5398.36	59.38	5382.84	207.51	26.03	PASS	
4225.00†	4003.65	1220.70	301.85	3993.65	4003.65	2892.54	5398.36	59.70	5363.72	211.99	25.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	4086.99	4096.99	2892.54	5398.36	60.01	5344.77	216.48	24.77	PASS		
4425.00†	4190.34	1290.35	319.07	4180.34	4190.34	2892.54	5398.36	60.33	5325.99	220.98	24.18	PASS		
4525.00†	4283.68	1325.17	327.68	4273.68	4283.68	2892.54	5398.36	60.65	5307.39	225.49	23.61	PASS		
4625.00†	4377.03	1359.99	336.29	4367.03	4377.03	2892.54	5398.36	60.97	5288.97	230.01	23.06	PASS		
4725.00†	4470.37	1394.82	344.90	4460.37	4470.37	2892.54	5398.36	61.30	5270.73	234.55	22.54	PASS		
4825.00†	4563.72	1429.64	353.52	4553.72	4563.72	2892.54	5398.36	61.62	5252.67	239.09	22.03	PASS		
4925.00†	4657.06	1464.46	362.13	4647.06	4657.06	2892.54	5398.36	61.95	5234.79	243.64	21.55	PASS		
5025.00†	4750.41	1499.28	370.74	4740.41	4750.41	2892.54	5398.36	62.28	5217.10	248.20	21.08	PASS		
5125.00†	4843.75	1534.11	379.35	4833.75	4843.75	2892.54	5398.36	62.61	5199.60	252.77	20.63	PASS		
5225.00†	4937.10	1568.93	387.96	4927.10	4937.10	2892.54	5398.36	62.94	5182.28	257.35	20.19	PASS		
5325.00†	5030.44	1603.75	396.57	5020.44	5030.44	2892.54	5398.36	63.28	5165.16	261.94	19.77	PASS		
5425.00†	5123.78	1638.58	405.18	5113.78	5123.78	2892.54	5398.36	63.62	5148.23	266.53	19.36	PASS		
5525.00†	5217.13	1673.40	413.79	5207.13	5217.13	2892.54	5398.36	63.96	5131.49	271.13	18.97	PASS		
5625.00†	5310.47	1708.22	422.40	5300.47	5310.47	2892.54	5398.36	64.30	5114.95	275.74	18.60	PASS		
5725.00†	5403.82	1743.05	431.01	5393.82	5403.82	2892.54	5398.36	64.64	5098.61	280.36	18.23	PASS		
5825.00†	5497.16	1777.87	439.62	5487.16	5497.16	2892.54	5398.36	64.99	5082.47	284.98	17.88	PASS		
5925.00†	5590.51	1812.69	448.24	5580.51	5590.51	2892.54	5398.36	65.33	5066.54	289.61	17.53	PASS		
6025.00†	5683.85	1847.51	456.85	5673.85	5683.85	2892.54	5398.36	65.68	5050.81	294.24	17.20	PASS		
6125.00†	5777.20	1882.34	465.46	5767.20	5777.20	2892.54	5398.36	66.04	5035.28	298.89	16.88	PASS		
6225.00†	5870.54	1917.16	474.07	5860.54	5870.54	2892.54	5398.36	66.39	5019.96	303.53	16.57	PASS		
6325.00†	5963.89	1951.98	482.68	5953.89	5963.89	2892.54	5398.36	66.74	5004.85	308.19	16.27	PASS		
6425.00†	6057.23	1986.81	491.29	6047.23	6057.23	2892.54	5398.36	67.10	4989.96	312.85	15.98	PASS		
6525.00†	6150.57	2021.63	499.90	6140.57	6150.57	2892.54	5398.36	67.46	4975.28	317.51	15.70	PASS		
6625.00†	6243.92	2056.45	508.51	6233.92	6243.92	2892.54	5398.36	67.82	4960.81	322.18	15.43	PASS		
6725.00†	6337.26	2091.28	517.12	6327.26	6337.26	2892.54	5398.36	68.18	4946.56	326.85	15.16	PASS		
6825.00†	6430.61	2126.10	525.73	6420.61	6430.61	2892.54	5398.36	68.55	4932.54	331.53	14.91	PASS		
6925.00†	6523.95	2160.92	534.34	6513.95	6523.95	2892.54	5398.36	68.92	4918.73	336.21	14.66	PASS		
7025.00†	6617.30	2195.75	542.96	6607.30	6617.30	2892.54	5398.36	69.28	4905.15	340.90	14.42	PASS		
7035.17	6626.79	2199.29	543.83	6616.79	6626.79	2892.54	5398.36	69.32	4903.78	341.38	14.39	PASS		
7125.00†	6709.85	2230.27	557.84	6699.85	6709.85	2892.54	5398.36	51.28	4885.61	345.68	14.16	PASS		
7225.00†	6799.11	2263.56	567.92	6789.11	6799.11	2892.54	5398.36	37.17	4851.38	350.76	13.86	PASS		
7325.00†	6882.86	2294.78	576.53	6872.86	6882.86	2892.54	5398.36	27.86	4803.17	355.62	13.53	PASS		
7425.00†	6959.05	2323.17	585.14	6949.05	6959.05	2892.54	5398.36	21.36	4742.08	360.01	13.20	PASS		
7525.00†	7025.79	2348.03	593.75	7015.79	7025.79	2892.54	5398.36	16.27	4669.59	363.80	12.86	PASS		
7625.00†	7081.45	2368.75	602.36	7071.45	7081.45	2892.54	5398.36	11.42	4587.40	366.89	12.53	PASS		
7725.00†	7124.65	2384.81	610.97	7114.65	7124.65	2892.54	5398.36	5.23	4497.52	369.23	12.20	PASS		
7825.00†	7154.32	2395.83	619.58	7144.32	7154.32	2892.54	5398.36	-6.75	4402.14	370.75	11.89	PASS		
7925.00†	7169.75	2401.53	628.19	7159.75	7169.75	2892.54	5398.36	-46.10	4303.59	371.47	11.61	PASS		
7984.11	7172.00	2402.33	636.80	7162.00	7172.00	2892.54	5398.36	-92.62	4244.85	371.52	11.45	PASS		
8025.00†	7171.78	2402.22	645.41	7161.78	7171.78	2892.54	5398.36	-92.59	4204.25	371.46	11.34	PASS		
8125.00†	7171.23	2401.96	654.02	7161.23	7171.23	2892.54	5398.36	-92.53	4104.98	371.32	11.07	PASS		
8225.00†	7170.69	2401.70	662.63	7160.69	7170.69	2892.54	5398.36	-92.47	4005.75	371.18	10.81	PASS		
8325.00†	7170.15	2401.44	671.24	7160.15	7170.15	2892.54	5398.36	-92.41	3906.56	371.04	10.55	PASS		
8425.00†	7169.60	2401.17	679.85	7159.60	7169.60	2892.54	5398.36	-92.35	3807.41	370.91	10.28	PASS		
8525.00†	7169.06	2400.91	688.46	7159.06	7169.06	2892.54	5398.36	-92.28	3708.30	370.79	10.02	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W						Slot: SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL)		Well: EX. BARNEY 2		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status		
8625.00†	7168.51	2400.65	1822.79	7158.51	7168.51	2892.54	5398.36	-92.22	3609.25	370.67	9.75	PASS		
8725.00†	7167.97	2400.39	1922.79	7157.97	7167.97	2892.54	5398.36	-92.16	3510.24	370.57	9.49	PASS		
8825.00†	7167.43	2400.12	2022.79	7157.43	7167.43	2892.54	5398.36	-92.10	3411.30	370.48	9.22	PASS		
8925.00†	7166.88	2399.86	2122.78	7156.88	7166.88	2892.54	5398.36	-92.04	3312.42	370.40	8.96	PASS		
9025.00†	7166.34	2399.60	2222.78	7156.34	7166.34	2892.54	5398.36	-91.97	3213.61	370.34	8.69	PASS		
9125.00†	7165.79	2399.33	2322.78	7155.79	7165.79	2892.54	5398.36	-91.91	3114.87	370.30	8.43	PASS		
9225.00†	7165.25	2399.07	2422.78	7155.25	7165.25	2892.54	5398.36	-91.85	3016.22	370.30	8.16	PASS		
9325.00†	7164.71	2398.81	2522.78	7154.71	7164.71	2892.54	5398.36	-91.79	2917.66	370.32	7.89	PASS		
9425.00†	7164.16	2398.55	2622.78	7154.16	7164.16	2892.54	5398.36	-91.72	2819.20	370.38	7.62	PASS		
9525.00†	7163.62	2398.28	2722.77	7153.62	7163.62	2892.54	5398.36	-91.66	2720.86	370.49	7.36	PASS		
9625.00†	7163.08	2398.02	2822.77	7153.08	7163.08	2892.54	5398.36	-91.60	2622.63	370.66	7.09	PASS		
9725.00†	7162.53	2397.76	2922.77	7152.53	7162.53	2892.54	5398.36	-91.54	2524.55	370.90	6.82	PASS		
9825.00†	7161.99	2397.50	3022.77	7151.99	7161.99	2892.54	5398.36	-91.48	2426.62	371.22	6.55	PASS		
9925.00†	7161.44	2397.23	3122.77	7151.44	7161.44	2892.54	5398.36	-91.41	2328.87	371.64	6.28	PASS		
10025.00†	7160.90	2396.97	3222.76	7150.90	7160.90	2892.54	5398.36	-91.35	2231.32	372.18	6.00	PASS		
10125.00†	7160.36	2396.71	3322.76	7150.36	7160.36	2892.54	5398.36	-91.29	2134.00	372.86	5.73	PASS		
10225.00†	7159.81	2396.45	3422.76	7149.81	7159.81	2892.54	5398.36	-91.23	2036.93	373.72	5.46	PASS		
10325.00†	7159.27	2396.18	3522.76	7149.27	7159.27	2892.54	5398.36	-91.17	1940.17	374.79	5.18	PASS		
10425.00†	7158.72	2395.92	3622.76	7148.72	7158.72	2892.54	5398.36	-91.10	1843.74	376.12	4.91	PASS		
10525.00†	7158.18	2395.66	3722.76	7148.18	7158.18	2892.54	5398.36	-91.04	1747.72	377.75	4.63	PASS		
10625.00†	7157.64	2395.39	3822.75	7147.64	7157.64	2892.54	5398.36	-90.98	1652.18	379.75	4.36	PASS		
10725.00†	7157.09	2395.13	3922.75	7147.09	7157.09	2892.54	5398.36	-90.92	1557.19	382.20	4.08	PASS		
10825.00†	7156.55	2394.87	4022.75	7146.55	7156.55	2892.54	5398.36	-90.85	1462.87	385.20	3.80	PASS		
10925.00†	7156.01	2394.61	4122.75	7146.01	7156.01	2892.54	5398.36	-90.79	1369.35	388.84	3.53	PASS		
11025.00†	7155.46	2394.34	4222.75	7145.46	7155.46	2892.54	5398.36	-90.73	1276.82	393.28	3.25	PASS		
11125.00†	7154.92	2394.08	4322.74	7144.92	7154.92	2892.54	5398.36	-90.67	1185.50	398.67	2.98	PASS		
11225.00†	7154.37	2393.82	4422.74	7144.37	7154.37	2892.54	5398.36	-90.61	1095.70	405.22	2.71	PASS		
11325.00†	7153.83	2393.56	4522.74	7143.83	7153.83	2892.54	5398.36	-90.54	1007.82	413.16	2.44	PASS		
11425.00†	7153.29	2393.29	4622.74	7143.29	7153.29	2892.54	5398.36	-90.48	922.41	422.78	2.18	PASS		
11525.00†	7152.74	2393.03	4722.74	7142.74	7152.74	2892.54	5398.36	-90.42	840.22	434.40	1.94	PASS		
11625.00†	7152.20	2392.77	4822.74	7142.20	7152.20	2892.54	5398.36	-90.36	762.31	448.30	1.70	PASS		
11725.00†	7151.65	2392.51	4922.73	7141.65	7151.65	2892.54	5398.36	-90.30	690.11	464.69	1.49	PASS		
11825.00†	7151.11	2392.24	5022.73	7141.11	7151.11	2892.54	5398.36	-90.23	625.61	483.41	1.29	PASS		
11925.00†	7150.57	2391.98	5122.73	7140.57	7150.57	2892.54	5398.36	-90.17	571.43	503.64	1.13	PASS		
12025.00†	7150.02	2391.72	5222.73	7140.02	7150.02	2892.54	5398.36	-90.11	530.72	523.39	1.01	PASS		
12125.00†	7149.48	2391.45	5322.73	7139.48	7149.48	2892.54	5398.36	-90.05	506.76	539.49	0.94	FAIL		
12199.35†	7149.07	2391.26	5397.08	7138.72	7148.72	2892.54	5398.36	-89.96	501.28	547.09	0.92	FAIL		
12225.00†	7148.93	2391.19	5422.72	7138.93	7148.93	2892.54	5398.36	-89.98	501.93	548.67	0.91	FAIL		
12325.00†	7148.39	2390.93	5522.72	7138.39	7148.39	2892.54	5398.36	-89.92	516.79	549.42	0.94	FAIL		
12425.00†	7147.85	2390.67	5622.72	7137.85	7147.85	2892.54	5398.36	-89.86	549.74	542.96	1.01	PASS		
12525.00†	7147.30	2390.40	5722.72	7137.30	7147.30	2892.54	5398.36	-89.80	597.78	532.07	1.12	PASS		
12625.00†	7146.76	2390.14	5822.72	7136.76	7146.76	2892.54	5398.36	-89.74	657.63	519.43	1.27	PASS		
12725.00†	7146.22	2389.88	5922.72	7136.22	7146.22	2892.54	5398.36	-89.67	726.37	506.80	1.43	PASS		
12825.00†	7145.67	2389.62	6022.71	7135.67	7145.67	2892.54	5398.36	-89.61	801.71	495.08	1.62	PASS		
12925.00†	7145.13	2389.35	6122.71	7135.13	7145.13	2892.54	5398.36	-89.55	881.97	484.60	1.82	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
13025.00†	7144.58	2389.09	6222.71	7134.58	7144.58	2892.54	5398.36	-89.49	965.92	475.39	2.03	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14457.53	7153.36	1926.51	4.16	0.12	7384.10	137.15	54.19	PASS	
125.00†	125.00	0.00	0.00	14458.43	7153.37	1926.48	5.06	0.15	7287.61	138.48	52.97	PASS	
200.00	200.00	0.00	0.00	14459.11	7153.37	1926.46	5.73	0.17	7215.31	139.12	52.20	PASS	
225.00†	225.00	0.11	0.03	14459.36	7153.37	1926.45	5.99	-14.15	7191.19	139.34	51.94	PASS	
325.00†	324.96	2.65	0.65	14460.87	7153.39	1926.40	7.50	-16.17	7094.24	140.18	50.94	PASS	
425.00†	424.77	8.57	2.12	14463.20	7153.40	1926.33	9.83	-18.81	6996.60	140.95	49.96	PASS	
525.00†	524.30	17.88	4.42	14466.34	7153.43	1926.23	12.96	-22.38	6898.35	141.65	49.01	PASS	
625.00†	623.44	30.55	7.55	14470.28	7153.46	1926.10	16.90	-27.49	6799.58	142.27	48.10	PASS	
725.00†	722.07	46.57	11.52	14475.01	7153.50	1925.95	21.63	-35.26	6700.41	142.79	47.22	PASS	
825.00†	820.05	65.92	16.30	14480.52	7153.54	1925.78	27.14	-47.86	6600.93	143.22	46.38	PASS	
925.00†	917.29	88.58	21.90	14486.80	7153.59	1925.57	33.41	-68.68	6501.24	143.55	45.57	PASS	
1025.00†	1013.64	114.52	28.32	14493.84	7153.64	1925.36	40.45	-97.49	6401.47	143.77	44.80	PASS	
1125.00†	1109.01	143.71	35.54	14500.32	7153.69	1925.14	46.92	-123.47	6301.73	143.86	44.08	PASS	
1225.00†	1203.27	176.12	43.55	14504.66	7153.72	1925.00	51.26	-140.03	6202.14	143.79	43.40	PASS	
1251.08	1227.65	185.09	45.77	14505.87	7153.73	1924.97	52.47	-143.10	6176.21	143.75	43.23	PASS	
1325.00†	1296.66	210.83	52.13	14509.35	7153.76	1924.86	55.95	-143.30	6102.75	143.63	42.76	PASS	
1425.00†	1390.00	245.65	60.74	14514.14	7153.80	1924.73	60.74	-143.57	6003.38	143.46	42.11	PASS	
1525.00†	1483.35	280.48	69.36	14519.01	7153.83	1924.61	65.61	-143.85	5904.03	143.29	41.46	PASS	
1625.00†	1576.69	315.30	77.97	14523.97	7153.87	1924.49	70.56	-144.13	5804.70	143.11	40.82	PASS	
1725.00†	1670.04	350.12	86.58	14529.01	7153.91	1924.38	75.60	-144.42	5705.38	142.92	40.17	PASS	
1825.00†	1763.38	384.95	95.19	14534.14	7153.95	1924.27	80.74	-144.72	5606.07	142.53	39.52	PASS	
1925.00†	1856.72	419.77	103.80	14539.37	7154.00	1924.18	85.96	-145.03	5506.78	142.33	38.88	PASS	
2025.00†	1950.07	454.59	112.41	14544.69	7154.04	1924.09	91.28	-145.34	5407.51	142.12	38.23	PASS	
2125.00†	2043.41	489.42	121.02	14550.10	7154.09	1924.02	96.69	-145.67	5308.26	141.90	37.59	PASS	
2225.00†	2136.76	524.24	129.63	14555.62	7154.13	1923.95	102.21	-146.00	5209.03	141.68	36.95	PASS	
2325.00†	2230.10	559.06	138.24	14561.24	7154.18	1923.90	107.83	-146.35	5109.82	141.45	36.30	PASS	
2425.00†	2323.45	593.89	146.85	14566.96	7154.23	1923.85	113.55	-146.70	5010.63	141.21	35.66	PASS	
2525.00†	2416.79	628.71	155.46	14572.80	7154.28	1923.82	119.39	-147.06	4911.46	140.96	35.01	PASS	
2625.00†	2510.14	663.53	164.08	14578.74	7154.33	1923.80	125.33	-147.44	4812.31	140.70	34.37	PASS	
2725.00†	2603.48	698.35	172.69	14584.80	7154.39	1923.80	131.39	-147.83	4713.19	140.43	33.73	PASS	
2825.00†	2696.83	733.18	181.30	14591.08	7154.45	1923.80	137.67	-148.23	4614.10	140.15	33.08	PASS	
2925.00†	2790.17	768.00	189.91	14597.58	7154.51	1923.82	144.16	-148.66	4515.03	139.86	32.44	PASS	
3025.00†	2883.51	802.82	198.52	14604.17	7154.57	1923.84	150.76	-149.10	4415.98	139.56	31.80	PASS	
3125.00†	2976.86	837.65	207.13	14610.88	7154.64	1923.87	157.46	-149.55	4316.97	139.24	31.16	PASS	
3225.00†	3070.20	872.47	215.74	14617.69	7154.72	1923.91	164.28	-150.01	4217.99	138.90	30.52	PASS	
3325.00†	3163.55	907.29	224.35	14624.61	7154.79	1923.96	171.20	-150.49	4119.04	138.55	29.88	PASS	
3425.00†	3256.89	942.12	232.96	14631.65	7154.88	1924.01	178.24	-150.99	4020.12	138.18	29.24	PASS	
3525.00†	3350.24	976.94	241.57	14638.81	7154.96	1924.07	185.39	-151.50	3921.25	137.78	28.60	PASS	
3625.00†	3443.58	1011.76	250.18	14646.08	7155.06	1924.15	192.66	-152.03	3822.41	137.37	27.96	PASS	
3725.00†	3536.93	1046.58	258.80	14653.48	7155.15	1924.23	200.06	-152.57	3723.61	136.93	27.33	PASS	
3825.00†	3630.27	1081.41	267.41	14661.00	7155.26	1924.32	207.58	-153.13	3624.86	136.47	26.69	PASS	
3925.00†	3723.62	1116.23	276.02	14668.65	7155.36	1924.42	215.23	-153.72	3526.16	135.99	26.06	PASS	
4025.00†	3816.96	1151.05	284.63	14676.43	7155.48	1924.54	223.01	-154.32	3427.50	135.47	25.43	PASS	
4125.00†	3910.30	1185.88	293.24	14685.12	7155.61	1924.67	231.70	-155.00	3328.91	134.93	24.80	PASS	
4225.00†	4003.65	1220.70	301.85	14694.09	7155.75	1924.82	240.66	-155.72	3230.37	134.36	24.16	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	14703.15	7155.89	1924.97	249.72	-156.46	3131.89	133.76	23.53	PASS	
4425.00†	4190.34	1290.35	319.07	14712.30	7156.05	1925.12	258.87	-157.23	3033.48	133.11	22.91	PASS	
4525.00†	4283.68	1325.17	327.68	14721.55	7156.20	1925.28	268.11	-158.01	2935.14	132.42	22.28	PASS	
4625.00†	4377.03	1359.99	336.29	14730.88	7156.36	1925.44	277.45	-158.82	2836.88	131.69	21.65	PASS	
4725.00†	4470.37	1394.82	344.90	14740.32	7156.53	1925.60	286.88	-159.66	2738.72	130.91	21.03	PASS	
4825.00†	4563.72	1429.64	353.52	14749.84	7156.71	1925.78	296.40	-160.52	2640.65	130.08	20.41	PASS	
4925.00†	4657.06	1464.46	362.13	14759.47	7156.89	1925.95	306.02	-161.40	2542.69	129.20	19.78	PASS	
5025.00†	4750.41	1499.28	370.74	14769.56	7157.08	1926.14	316.11	-162.35	2444.85	128.27	19.16	PASS	
5125.00†	4843.75	1534.11	379.35	14781.00	7157.30	1926.40	327.55	-163.45	2347.14	127.30	18.54	PASS	
5225.00†	4937.10	1568.93	387.96	14792.59	7157.50	1926.70	339.13	-164.58	2249.58	126.28	17.91	PASS	
5325.00†	5030.44	1603.75	396.57	14804.31	7157.70	1927.06	350.85	-165.75	2152.18	125.21	17.28	PASS	
5425.00†	5123.78	1638.58	405.18	14816.18	7157.89	1927.48	362.70	-166.96	2054.96	124.10	16.65	PASS	
5525.00†	5217.13	1673.40	413.79	14828.19	7158.07	1927.95	374.70	-168.21	1957.95	122.96	16.01	PASS	
5625.00†	5310.47	1708.22	422.40	14840.35	7158.24	1928.49	386.85	-169.49	1861.19	121.80	15.36	PASS	
5725.00†	5403.82	1743.05	431.01	14852.65	7158.41	1929.09	399.13	-170.82	1764.71	120.66	14.71	PASS	
5825.00†	5497.16	1777.87	439.62	14864.07	7158.55	1929.69	410.54	-172.08	1668.56	119.57	14.03	PASS	
5925.00†	5590.51	1812.69	448.24	14875.03	7158.69	1930.27	421.48	-173.31	1572.81	118.60	13.34	PASS	
6025.00†	5683.85	1847.51	456.85	14886.10	7158.84	1930.87	432.53	-174.57	1477.54	117.85	12.61	PASS	
6125.00†	5777.20	1882.34	465.46	14897.25	7158.99	1931.47	443.67	-175.87	1382.84	117.50	11.83	PASS	
6225.00†	5870.54	1917.16	474.07	14908.51	7159.15	1932.08	454.91	-177.20	1288.83	117.76	11.00	PASS	
6325.00†	5963.89	1951.98	482.68	14919.87	7159.31	1932.71	466.25	-178.56	1195.69	118.97	10.10	PASS	
6425.00†	6057.23	1986.81	491.29	14931.33	7159.48	1933.34	477.69	-179.95	1103.63	121.63	9.12	PASS	
6525.00†	6150.57	2021.63	499.90	14942.89	7159.66	1933.99	489.23	-178.62	1012.94	126.38	8.05	PASS	
6625.00†	6243.92	2056.45	508.51	14954.14	7159.83	1934.62	500.46	-177.22	924.02	134.09	6.92	PASS	
6725.00†	6337.26	2091.28	517.12	14965.48	7160.03	1935.28	511.78	-175.79	837.44	145.85	5.77	PASS	
6825.00†	6430.61	2126.10	525.73	14977.10	7160.24	1935.96	523.38	-174.30	754.00	162.88	4.65	PASS	
6925.00†	6523.95	2160.92	534.34	14989.01	7160.47	1936.67	535.27	-172.77	674.86	186.52	3.63	PASS	
7025.00†	6617.30	2195.75	542.96	15001.23	7160.72	1937.42	547.46	-171.18	601.71	217.96	2.77	PASS	
7035.17	6626.79	2199.29	543.83	15002.49	7160.74	1937.50	548.71	-171.02	594.69	221.63	2.69	PASS	
7125.00†	6709.85	2230.27	557.84	15019.89	7161.13	1938.60	566.07	-157.34	537.39	257.29	2.09	PASS	
7225.00†	6799.11	2263.56	567.92	15053.22	7161.94	1940.75	599.33	-144.70	485.78	301.75	1.61	PASS	
7325.00†	6882.86	2294.78	576.54	15099.71	7163.14	1943.58	645.72	-133.98	449.52	346.09	1.30	PASS	
7425.00†	6959.05	2323.17	585.16	15156.00	7164.64	1946.57	701.91	-124.22	429.21	383.95	1.12	PASS	
7525.00†	7025.79	2348.03	593.77	15219.74	7166.33	1948.69	765.59	-115.03	423.37	411.20	1.03	PASS	
7625.00†	7081.45	2368.75	602.38	15290.36	7168.15	1949.24	836.18	-106.60	428.40	427.91	1.00	PASS	
7677.16†	7105.61	2377.74	610.99	15330.40	7169.17	1948.71	876.20	-102.64	433.83	437.13	0.99	FAIL	
7725.00†	7124.65	2384.81	619.60	15368.78	7170.15	1947.72	914.56	-99.39	439.71	437.47	1.01	PASS	
7825.00†	7154.32	2395.83	628.21	15425.00	7171.69	1945.43	970.71	-94.87	453.91	439.25	1.03	PASS	
7925.00†	7169.75	2401.53	636.82	15425.00	7171.69	1945.43	970.71	-91.96	480.81	420.57	1.14	PASS	
7984.11	7172.00	2402.33	645.43	15425.00	7171.69	1945.43	970.71	-89.82	503.35	403.92	1.25	PASS	
8025.00†	7171.78	2402.22	654.04	15425.00	7171.69	1945.43	970.71	-89.82	521.74	390.99	1.33	PASS	
8125.00†	7171.23	2401.96	662.65	15425.00	7171.69	1945.43	970.71	-89.82	576.53	357.79	1.61	PASS	
8225.00†	7170.69	2401.70	671.26	15425.00	7171.69	1945.43	970.71	-89.82	642.31	325.83	1.97	PASS	
8325.00†	7170.15	2401.44	679.87	15425.00	7171.69	1945.43	970.71	-89.82	716.06	297.28	2.41	PASS	
8425.00†	7169.60	2401.17	688.48	15425.00	7171.69	1945.43	970.71	-89.82	795.56	272.66	2.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
8525.00†	7169.06	2400.91	1722.79	15425.00	7171.69	1945.43	970.71	89.82	879.26	251.75	3.50	PASS	
8625.00†	7168.51	2400.65	1822.79	15425.00	7171.69	1945.43	970.71	89.82	966.06	234.05	4.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1761.00	1736.00	10.00	1744.45	752.25	-4918.57	759.96	-4911.81
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1744.45	752.25	-4918.57	759.96	-4911.81
8.5in Open Hole	1761.00	15425.00	13664.00	1744.45	7171.69	759.96	-4911.81	968.59	-2163.28

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	14257.97	6984.75	2814.76	-124.15	-2.53	7508.42	164.69	45.84	PASS	
125.00†	125.00	0.00	0.00	14258.55	6984.75	2814.78	-123.56	-2.51	7415.82	166.39	44.81	PASS	
200.00	200.00	0.00	0.00	14258.99	6984.75	2814.79	-123.13	-2.51	7346.50	167.39	44.12	PASS	
225.00†	225.00	0.11	0.03	14259.16	6984.75	2814.80	-122.95	-16.74	7323.38	167.73	43.90	PASS	
325.00†	324.96	2.65	0.65	14260.32	6984.76	2814.83	-121.79	-18.25	7230.24	169.06	43.00	PASS	
425.00†	424.77	8.57	2.12	14262.25	6984.78	2814.88	-119.86	-20.04	7136.10	170.34	42.12	PASS	
525.00†	524.30	17.88	4.42	14264.96	6984.80	2814.95	-117.16	-22.17	7041.05	171.55	41.26	PASS	
625.00†	623.44	30.55	7.55	14268.44	6984.82	2815.04	-113.68	-24.76	6945.16	172.70	40.43	PASS	
725.00†	722.07	46.57	11.52	14272.69	6984.85	2815.16	-109.43	-27.97	6848.52	173.77	39.62	PASS	
825.00†	820.05	65.92	16.30	14277.72	6984.89	2815.29	-104.40	-32.01	6751.21	174.76	38.83	PASS	
925.00†	917.29	88.58	21.90	14283.53	6984.93	2815.45	-98.60	-37.22	6653.32	175.66	38.07	PASS	
1025.00†	1013.64	114.52	28.32	14290.11	6984.99	2815.63	-92.02	-44.07	6554.95	176.48	37.33	PASS	
1125.00†	1109.01	143.71	35.54	14297.46	6985.04	2815.83	-84.67	-53.16	6456.19	177.20	36.62	PASS	
1225.00†	1203.27	176.12	43.55	14305.59	6985.11	2816.05	-76.55	-65.08	6357.15	177.81	35.93	PASS	
1251.08	1227.65	185.09	45.77	14307.83	6985.13	2816.11	-74.30	-68.69	6331.29	177.95	35.76	PASS	
1325.00†	1296.66	210.83	52.13	14314.28	6985.18	2816.29	-67.86	-68.42	6257.97	178.35	35.26	PASS	
1425.00†	1390.00	245.65	60.74	14321.81	6985.25	2816.50	-60.33	-68.10	6158.79	178.87	34.60	PASS	
1525.00†	1483.35	280.48	69.36	14327.09	6985.29	2816.66	-55.05	-67.87	6059.63	179.37	33.95	PASS	
1625.00†	1576.69	315.30	77.97	14332.43	6985.33	2816.83	-49.71	-67.64	5960.48	179.88	33.30	PASS	
1725.00†	1670.04	350.12	86.58	14337.85	6985.38	2817.02	-44.30	-67.40	5861.36	180.41	32.65	PASS	
1825.00†	1763.38	384.95	95.19	14343.33	6985.42	2817.22	-38.82	-67.16	5762.26	180.76	32.00	PASS	
1925.00†	1856.72	419.77	103.80	14348.89	6985.46	2817.44	-33.27	-66.91	5663.18	181.31	31.35	PASS	
2025.00†	1950.07	454.59	112.41	14354.51	6985.51	2817.68	-27.65	-66.65	5564.12	181.89	30.71	PASS	
2125.00†	2043.41	489.42	121.02	14360.21	6985.55	2817.94	-21.95	-66.38	5465.08	182.48	30.06	PASS	
2225.00†	2136.76	524.24	129.63	14365.99	6985.59	2818.21	-16.18	-66.11	5366.07	183.09	29.42	PASS	
2325.00†	2230.10	559.06	138.24	14371.85	6985.63	2818.50	-10.34	-65.83	5267.08	183.73	28.77	PASS	
2425.00†	2323.45	593.89	146.85	14377.78	6985.67	2818.82	-4.41	-65.54	5168.12	184.39	28.13	PASS	
2525.00†	2416.79	628.71	155.46	14383.79	6985.71	2819.15	1.59	-65.24	5069.19	185.07	27.49	PASS	
2625.00†	2510.14	663.53	164.08	14389.89	6985.74	2819.51	7.68	-64.93	4970.29	185.79	26.85	PASS	
2725.00†	2603.48	698.35	172.69	14396.06	6985.78	2819.88	13.84	-64.61	4871.41	186.53	26.21	PASS	
2825.00†	2696.83	733.18	181.30	14402.33	6985.82	2820.29	20.09	-64.29	4772.57	187.30	25.57	PASS	
2925.00†	2790.17	768.00	189.91	14408.68	6985.85	2820.71	26.43	-63.96	4673.77	188.10	24.94	PASS	
3025.00†	2883.51	802.82	198.52	14417.60	6985.90	2821.33	35.33	-63.48	4574.99	188.98	24.30	PASS	
3125.00†	2976.86	837.65	207.13	14427.24	6985.95	2822.00	44.95	-62.95	4476.25	189.92	23.65	PASS	
3225.00†	3070.20	872.47	215.74	14436.94	6986.01	2822.69	54.62	-62.41	4377.54	190.90	23.01	PASS	
3325.00†	3163.55	907.29	224.35	14446.69	6986.06	2823.39	64.34	-61.85	4278.86	191.91	22.37	PASS	
3425.00†	3256.89	942.12	232.96	14456.50	6986.12	2824.10	74.13	-61.28	4180.22	192.96	21.74	PASS	
3525.00†	3350.24	976.94	241.57	14466.37	6986.17	2824.82	83.97	-60.69	4081.61	194.06	21.11	PASS	
3625.00†	3443.58	1011.76	250.18	14476.29	6986.23	2825.56	93.87	-60.09	3983.05	195.21	20.47	PASS	
3725.00†	3536.93	1046.58	258.80	14486.28	6986.29	2826.31	103.82	-59.47	3884.52	196.40	19.85	PASS	
3825.00†	3630.27	1081.41	267.41	14496.32	6986.35	2827.07	113.84	-58.84	3786.05	197.65	19.22	PASS	
3925.00†	3723.62	1116.23	276.02	14516.97	6986.46	2828.63	134.43	-57.49	3687.61	199.21	18.57	PASS	
4025.00†	3816.96	1151.05	284.63	14540.35	6986.53	2830.33	157.74	-55.90	3589.19	200.89	17.93	PASS	
4125.00†	3910.30	1185.88	293.24	14562.54	6986.56	2831.87	179.88	-54.33	3490.77	202.61	17.29	PASS	
4225.00†	4003.65	1220.70	301.85	14583.65	6986.55	2833.28	200.94	-52.77	3392.39	204.37	16.65	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: HOOD 11N-22B-M AWP 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	
4325.00†	4096.99	1255.52	310.46	14596.79	6986.52	2834.13	214.06	-51.76	3294.04	206.02	16.04	PASS	
4425.00†	4190.34	1290.35	319.07	14607.37	6986.50	2834.81	224.62	-50.94	3195.75	207.69	15.44	PASS	
4525.00†	4283.68	1325.17	327.68	14617.98	6986.49	2835.48	235.20	-50.09	3097.54	209.44	14.84	PASS	
4625.00†	4377.03	1359.99	336.29	14628.61	6986.48	2836.15	245.82	-49.23	2999.41	211.30	14.24	PASS	
4725.00†	4470.37	1394.82	344.90	14639.28	6986.48	2836.81	256.46	-48.35	2901.37	213.27	13.65	PASS	
4825.00†	4563.72	1429.64	353.52	14649.96	6986.47	2837.47	267.13	-47.45	2803.43	215.35	13.06	PASS	
4925.00†	4657.06	1464.46	362.13	14660.68	6986.48	2838.12	277.82	-46.52	2705.59	217.56	12.47	PASS	
5025.00†	4750.41	1499.28	370.74	14671.42	6986.48	2838.77	288.55	-45.58	2607.88	219.92	11.89	PASS	
5125.00†	4843.75	1534.11	379.35	14688.20	6986.50	2839.74	305.29	-44.08	2510.29	222.57	11.31	PASS	
5225.00†	4937.10	1568.93	387.96	14713.16	6986.54	2840.95	330.22	-41.78	2412.80	225.59	10.73	PASS	
5325.00†	5030.44	1603.75	396.57	14736.45	6986.59	2841.80	353.49	-39.55	2315.42	228.73	10.15	PASS	
5425.00†	5123.78	1638.58	405.18	14758.23	6986.65	2842.36	375.28	-37.40	2218.17	232.03	9.59	PASS	
5525.00†	5217.13	1673.40	413.79	14792.23	6986.75	2842.72	409.27	-33.93	2121.06	235.77	9.02	PASS	
5625.00†	5310.47	1708.22	422.40	14830.66	6986.85	2842.22	447.70	-29.83	2024.06	239.73	8.47	PASS	
5725.00†	5403.82	1743.05	431.01	14859.08	6986.92	2841.22	476.10	-26.69	1927.23	243.75	7.93	PASS	
5825.00†	5497.16	1777.87	439.62	14871.23	6986.94	2840.65	488.23	-25.32	1830.66	247.92	7.40	PASS	
5925.00†	5590.51	1812.69	448.24	14882.86	6986.97	2840.06	499.85	-23.99	1734.43	252.49	6.89	PASS	
6025.00†	5683.85	1847.51	456.85	14894.00	6986.99	2839.44	510.97	-22.71	1638.61	257.51	6.38	PASS	
6125.00†	5777.20	1882.34	465.46	14904.68	6987.02	2838.81	521.64	-21.46	1543.26	263.07	5.88	PASS	
6225.00†	5870.54	1917.16	474.07	14914.94	6987.04	2838.15	531.87	-20.26	1448.50	269.25	5.39	PASS	
6325.00†	5963.89	1951.98	482.68	14924.79	6987.07	2837.49	541.70	-19.09	1354.44	276.17	4.91	PASS	
6425.00†	6057.23	1986.81	491.29	14934.26	6987.09	2836.81	551.15	-17.97	1261.24	283.95	4.45	PASS	
6525.00†	6150.57	2021.63	499.90	14943.37	6987.11	2836.13	560.23	-16.87	1169.13	292.75	4.00	PASS	
6625.00†	6243.92	2056.45	508.51	14950.20	6987.13	2835.60	567.04	-16.05	1078.36	302.77	3.57	PASS	
6725.00†	6337.26	2091.28	517.12	14955.69	6987.15	2835.18	572.51	-15.39	989.35	314.22	3.15	PASS	
6825.00†	6430.61	2126.10	525.73	14961.25	6987.16	2834.76	578.05	-14.72	902.60	327.27	2.76	PASS	
6925.00†	6523.95	2160.92	534.34	14966.88	6987.18	2834.33	583.67	-14.04	818.84	342.09	2.40	PASS	
7025.00†	6617.30	2195.75	542.96	14972.60	6987.20	2833.90	589.37	-13.34	739.07	358.67	2.06	PASS	
7035.17	6626.79	2199.29	543.83	14973.18	6987.20	2833.86	589.95	-13.27	731.24	360.44	2.03	PASS	
7125.00†	6709.85	2230.27	557.84	14984.15	6987.24	2833.05	600.90	-38.94	664.94	376.67	1.77	PASS	
7225.00†	6799.11	2263.56	587.92	15009.95	6987.35	2831.21	626.63	-57.82	599.30	394.96	1.52	PASS	
7325.00†	6882.86	2294.78	632.54	15048.23	6987.55	2828.67	664.82	-68.52	545.01	411.31	1.33	PASS	
7425.00†	6959.05	2323.17	690.58	15095.81	6987.86	2826.17	712.33	-73.76	504.29	423.18	1.19	PASS	
7525.00†	7025.79	2348.03	760.63	15156.22	6988.33	2824.16	772.71	-74.96	477.75	428.76	1.11	PASS	
7625.00†	7081.45	2368.75	840.96	15228.08	6988.87	2823.03	844.55	-73.64	463.63	428.73	1.08	PASS	
7677.57†	7105.78	2377.80	886.65	15268.72	6989.16	2823.00	885.20	-72.47	460.22	430.17	1.07	PASS	
7725.00†	7124.65	2384.81	929.59	15306.81	6989.42	2823.40	923.29	-71.32	459.00	425.95	1.08	PASS	
7740.31†	7130.09	2386.84	943.76	15318.65	6989.47	2823.62	935.12	-70.97	458.94	425.49	1.08	PASS	
7825.00†	7154.32	2395.83	1024.34	15343.00	6989.57	2824.14	959.46	-70.37	463.47	420.33	1.10	PASS	
7925.00†	7169.75	2401.53	1122.87	15343.00	6989.57	2824.14	959.46	-68.62	487.61	404.02	1.21	PASS	
7984.11	7172.00	2402.33	1181.91	15343.00	6989.57	2824.14	959.46	-66.44	510.58	391.25	1.31	PASS	
8025.00†	7171.78	2402.22	1222.80	15343.00	6989.57	2824.14	959.46	-66.44	529.68	381.55	1.39	PASS	
8125.00†	7171.23	2401.96	1322.80	15343.00	6989.57	2824.14	959.46	-66.44	585.87	355.64	1.65	PASS	
8225.00†	7170.69	2401.70	1422.80	15343.00	6989.57	2824.14	959.46	-66.44	652.64	329.79	1.98	PASS	
8325.00†	7170.15	2401.44	1522.80	15343.00	6989.57	2824.14	959.46	-66.44	727.07	306.13	2.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
8425.00†	7169.60	2401.17	1622.79	15343.00	6989.57	2824.14	959.46	-66.44	807.04	285.35	2.83	PASS	
8525.00†	7169.06	2400.91	1722.79	15343.00	6989.57	2824.14	959.46	-66.44	891.07	267.43	3.34	PASS	
8625.00†	7168.51	2400.65	1822.79	15343.00	6989.57	2824.14	959.46	-66.44	978.11	252.08	3.89	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	837.57	-4918.71	884.76	-4897.06
9.625in Open Hole	25.00	1757.00	1732.00	10.00	1724.59	837.57	-4918.71	884.76	-4897.06
8.5in Open Hole	1757.00	15343.00	13586.00	1724.59	6989.57	884.76	-4897.06	1279.08	-2166.70

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1707.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI NAVITRAK 13.5" (STD ROTATING, AXIAL, ROCKIES GT)<109-1707>	HOOD 11N-22B-M AWB
1707.00	15319.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)	BHI ATC 8.5" (IFR, SHORT, ROCKIES GT)<1794-15319>	HOOD 11N-22B-M AWB
15319.00	15343.00	Blind Drilling (std)	Projection to bit	HOOD 11N-22B-M AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **HOOD 11N-22B-M AWB** Offset Wellpath: **HOOD 11N-22B-M AWP**

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	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	48.12	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	45.08	90.00	45.08	2.30	33.05	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	45.08	76.25	45.05	2.44	29.88	PASS	
325.00†	324.96	2.65	0.65	324.87	324.87	0.10	45.11	79.39	44.53	3.05	20.93	PASS	
425.00†	424.77	8.57	2.12	424.49	424.45	2.58	45.89	83.89	44.18	3.69	15.85	PASS	
448.06†	447.75	10.42	2.58	447.41	447.34	3.62	46.21	84.94	44.16	3.85	14.96	PASS	
525.00†	524.30	17.88	4.42	524.23	524.00	8.37	47.70	88.47	44.31	4.38	12.68	PASS	
625.00†	623.44	30.55	7.55	624.09	623.40	17.47	50.56	92.98	44.95	5.19	10.40	PASS	
725.00†	722.07	46.57	11.52	724.07	722.52	29.90	54.45	97.32	46.06	6.19	8.63	PASS	
825.00†	820.05	65.92	16.30	824.17	821.25	45.63	59.38	101.38	47.64	7.39	7.27	PASS	
925.00†	917.29	88.58	21.90	924.39	919.46	64.67	65.35	105.09	49.64	8.77	6.23	PASS	
1025.00†	1013.64	114.52	28.32	1024.73	1017.03	87.01	72.35	108.42	52.03	10.33	5.45	PASS	
1125.00†	1109.01	143.71	35.54	1125.19	1113.83	112.62	80.38	111.36	54.78	12.03	4.86	PASS	
1225.00†	1203.27	176.12	43.55	1225.05	1209.55	139.78	88.90	115.40	58.45	13.80	4.48	PASS	
1251.08	1227.65	185.09	45.77	1251.05	1234.47	146.85	91.12	116.85	59.71	14.32	4.40	PASS	
1325.00†	1296.66	210.83	52.13	1324.74	1305.10	166.90	97.40	120.97	63.64	15.49	4.31	PASS	
1425.00†	1390.00	245.65	60.74	1424.42	1400.64	194.01	105.90	125.76	69.42	17.02	4.26	PASS	
1525.00†	1483.35	280.48	69.36	1524.10	1496.18	221.12	114.40	129.80	75.61	18.41	4.28	PASS	
1625.00†	1576.69	315.30	77.97	1623.77	1591.73	248.23	122.90	133.21	82.12	19.70	4.33	PASS	
1725.00†	1670.04	350.12	86.58	1723.45	1687.27	275.34	131.40	136.12	88.87	20.92	4.40	PASS	
1825.00†	1763.38	384.95	95.19	1823.13	1782.81	302.45	139.90	138.61	95.82	21.13	4.66	PASS	
1925.00†	1856.72	419.77	103.80	1922.81	1878.35	329.57	148.39	140.76	102.92	20.95	5.05	PASS	
2025.00†	1950.07	454.59	112.41	2022.48	1973.90	356.68	156.89	142.63	110.16	20.89	5.42	PASS	
2125.00†	2043.41	489.42	121.02	2122.16	2069.44	383.79	165.39	144.26	117.49	20.93	5.78	PASS	
2225.00†	2136.76	524.24	129.63	2221.84	2164.98	410.90	173.89	145.71	124.91	21.07	6.10	PASS	
2325.00†	2230.10	559.06	138.24	2321.52	2260.53	438.01	182.39	146.99	132.39	21.32	6.39	PASS	
2425.00†	2323.45	593.89	146.85	2421.20	2356.07	465.12	190.89	148.14	139.94	21.66	6.65	PASS	
2525.00†	2416.79	628.71	155.46	2520.87	2451.61	492.23	199.39	149.17	147.54	22.08	6.87	PASS	
2625.00†	2510.14	663.53	164.08	2620.55	2547.15	519.35	207.89	150.09	155.18	22.57	7.06	PASS	
2725.00†	2603.48	698.35	172.69	2720.23	2642.70	546.46	216.39	150.93	162.85	23.14	7.23	PASS	
2825.00†	2696.83	733.18	181.30	2819.91	2738.24	573.57	224.89	151.70	170.56	23.77	7.36	PASS	
2925.00†	2790.17	768.00	189.91	2919.59	2833.78	600.68	233.39	152.39	178.29	24.46	7.48	PASS	
3025.00†	2883.51	802.82	198.52	3019.26	2929.32	627.79	241.89	153.03	186.05	25.20	7.57	PASS	
3125.00†	2976.86	837.65	207.13	3118.94	3024.87	654.90	250.39	153.62	193.83	25.99	7.64	PASS	
3225.00†	3070.20	872.47	215.74	3218.62	3120.41	682.01	258.89	154.16	201.63	26.82	7.70	PASS	
3325.00†	3163.55	907.29	224.35	3318.30	3215.95	709.13	267.38	154.67	209.45	27.68	7.74	PASS	
3425.00†	3256.89	942.12	232.96	3417.98	3311.50	736.24	275.88	155.13	217.28	28.58	7.77	PASS	
3525.00†	3350.24	976.94	241.57	3517.65	3407.04	763.35	284.38	155.57	225.12	29.51	7.79	PASS	
3625.00†	3443.58	1011.76	250.18	3617.33	3502.58	790.46	292.88	155.97	232.98	30.47	7.80	PASS	
3725.00†	3536.93	1046.58	258.80	3717.01	3598.12	817.57	301.38	156.35	240.84	31.45	7.81	PASS	
3825.00†	3630.27	1081.41	267.41	3816.69	3693.67	844.68	309.88	156.70	248.72	32.46	7.81	PASS	
3925.00†	3723.62	1116.23	276.02	3916.37	3789.21	871.79	318.38	157.04	256.61	33.48	7.81	PASS	
4025.00†	3816.96	1151.05	284.63	4016.04	3884.75	898.91	326.88	157.35	264.50	34.52	7.80	PASS	
4125.00†	3910.30	1185.88	293.24	4115.72	3980.29	926.02	335.38	157.64	272.40	35.57	7.79	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4225.00†	4003.65	1220.70	301.85	4215.40	4075.84	953.13	343.88	157.92	280.31	36.64	7.78	PASS	
4325.00†	4096.99	1255.52	310.46	4315.08	4171.38	980.24	352.38	158.18	288.22	37.73	7.77	PASS	
4425.00†	4190.34	1290.35	319.07	4414.75	4266.92	1007.35	360.88	158.43	296.14	38.82	7.75	PASS	
4525.00†	4283.68	1325.17	327.68	4514.43	4362.47	1034.46	369.38	158.67	304.06	39.93	7.73	PASS	
4625.00†	4377.03	1359.99	336.29	4614.11	4458.01	1061.57	377.88	158.89	311.99	41.05	7.72	PASS	
4725.00†	4470.37	1394.82	344.90	4713.79	4553.55	1088.69	386.38	159.10	319.93	42.17	7.70	PASS	
4825.00†	4563.72	1429.64	353.52	4813.47	4649.09	1115.80	394.87	159.31	327.87	43.31	7.68	PASS	
4925.00†	4657.06	1464.46	362.13	4913.14	4744.64	1142.91	403.37	159.50	335.81	44.45	7.66	PASS	
5025.00†	4750.41	1499.28	370.74	5012.82	4840.18	1170.02	411.87	159.68	343.75	45.59	7.64	PASS	
5125.00†	4843.75	1534.11	379.35	5112.50	4935.72	1197.13	420.37	159.86	351.70	46.75	7.62	PASS	
5225.00†	4937.10	1568.93	387.96	5212.18	5031.26	1224.24	428.87	160.03	359.65	47.91	7.60	PASS	
5325.00†	5030.44	1603.75	396.57	5311.86	5126.81	1251.35	437.37	160.19	367.61	49.08	7.59	PASS	
5425.00†	5123.78	1638.58	405.18	5411.53	5222.35	1278.47	445.87	160.34	375.57	50.25	7.57	PASS	
5525.00†	5217.13	1673.40	413.79	5511.21	5317.89	1305.58	454.37	160.49	383.53	51.42	7.55	PASS	
5625.00†	5310.47	1708.22	422.40	5610.89	5413.44	1332.69	462.87	160.63	391.49	52.60	7.53	PASS	
5725.00†	5403.82	1743.05	431.01	5710.57	5508.98	1359.80	471.37	160.77	399.46	53.79	7.51	PASS	
5825.00†	5497.16	1777.87	439.62	5810.25	5604.52	1386.91	479.87	160.90	407.42	54.98	7.49	PASS	
5925.00†	5590.51	1812.69	448.24	5909.92	5700.06	1414.02	488.37	161.02	415.39	56.17	7.48	PASS	
6025.00†	5683.85	1847.51	456.85	6009.60	5795.61	1441.13	496.87	161.14	423.36	57.36	7.46	PASS	
6125.00†	5777.20	1882.34	465.46	6109.28	5891.15	1468.25	505.37	161.26	431.34	58.56	7.44	PASS	
6225.00†	5870.54	1917.16	474.07	6208.96	5986.69	1495.36	513.87	161.37	439.31	59.76	7.43	PASS	
6325.00†	5963.89	1951.98	482.68	6308.63	6082.24	1522.47	522.36	161.48	447.29	60.97	7.41	PASS	
6425.00†	6057.23	1986.81	491.29	6408.31	6177.78	1549.58	530.86	161.58	455.26	62.17	7.40	PASS	
6525.00†	6150.57	2021.63	499.90	6507.99	6273.32	1576.69	539.36	161.68	463.24	63.38	7.38	PASS	
6625.00†	6243.92	2056.45	508.51	6603.06	6364.02	1602.42	551.15	161.33	471.58	64.58	7.37	PASS	
6725.00†	6337.26	2091.28	517.12	6693.73	6448.14	1626.27	574.83	159.49	481.51	65.81	7.38	PASS	
6825.00†	6430.61	2126.10	525.73	6778.29	6522.96	1647.47	607.90	156.54	494.33	67.15	7.43	PASS	
6925.00†	6523.95	2160.92	534.34	6854.74	6598.44	1665.45	646.43	152.96	511.82	68.34	7.56	PASS	
7025.00†	6617.30	2195.75	542.96	6922.31	6673.50	1680.18	686.85	149.24	535.69	69.27	7.80	PASS	
7035.17	6626.79	2199.29	543.83	6928.69	6643.20	1681.51	690.96	148.86	538.53	69.35	7.84	PASS	
7125.00†	6709.85	2230.27	557.84	6984.00	6682.19	1692.53	728.57	125.39	564.87	69.97	8.15	PASS	
7225.00†	6799.11	2263.56	587.92	7044.34	6720.98	1703.49	773.45	106.10	595.15	70.65	8.50	PASS	
7325.00†	6882.86	2294.78	632.54	7103.70	6754.98	1713.09	821.13	92.62	624.73	71.35	8.83	PASS	
7425.00†	6959.05	2323.17	690.58	7162.32	6784.22	1721.33	871.23	83.10	652.24	72.10	9.13	PASS	
7525.00†	7025.79	2348.03	760.63	7220.37	6808.69	1728.21	923.40	76.27	676.61	73.02	9.35	PASS	
7625.00†	7081.45	2368.75	840.96	7278.00	6828.37	1733.73	977.26	71.39	697.04	74.24	9.47	PASS	
7725.00†	7124.63	2384.81	929.59	7335.32	6843.21	1737.88	1032.45	68.01	712.96	75.59	9.51	PASS	
7825.00†	7154.32	2395.83	1024.34	7392.43	6853.20	1740.65	1088.60	65.86	723.93	78.95	9.24	PASS	
7925.00†	7169.75	2401.53	1122.87	7449.42	6858.29	1742.03	1145.32	64.79	729.69	79.94	9.20	PASS	
7984.11	7172.00	2402.33	1181.91	7483.09	6859.00	1742.19	1178.97	64.63	730.59	81.28	9.06	PASS	
8025.00†	7171.78	2402.22	1222.80	7523.41	6858.78	1742.08	1219.30	64.63	730.59	83.21	8.85	PASS	
8125.00†	7171.23	2401.96	1322.80	7623.41	6858.24	1741.81	1319.30	64.63	730.60	88.28	8.33	PASS	
8225.00†	7170.69	2401.70	1422.80	7723.41	6857.70	1741.54	1419.29	64.63	730.61	93.84	7.84	PASS	
8325.00†	7170.15	2401.44	1522.80	7823.41	6857.15	1741.26	1519.29	64.63	730.62	99.81	7.37	PASS	
8425.00†	7169.60	2401.17	1622.79	7923.41	6856.61	1740.99	1619.29	64.63	730.63	106.10	6.93	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27) Well: TROUDT 41N-23A-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8525.00†	7169.06	2400.91	1722.79	8023.41	6856.06	1740.72	1719.29	64.63	730.64	112.68	6.52	PASS	
8625.00†	7168.51	2400.65	1822.79	8123.41	6855.52	1740.44	1819.29	64.64	730.65	119.48	6.15	PASS	
8725.00†	7167.97	2400.39	1922.79	8223.41	6854.98	1740.17	1919.28	64.64	730.66	126.48	5.80	PASS	
8825.00†	7167.43	2400.12	2022.79	8323.41	6854.43	1739.90	2019.28	64.64	730.67	133.64	5.49	PASS	
8925.00†	7166.88	2399.86	2122.78	8423.41	6853.89	1739.63	2119.28	64.64	730.68	140.93	5.21	PASS	
9025.00†	7166.34	2399.60	2222.78	8523.41	6853.34	1739.35	2219.28	64.64	730.68	148.35	4.94	PASS	
9125.00†	7165.79	2399.33	2322.78	8623.41	6852.80	1739.08	2319.28	64.64	730.69	155.87	4.70	PASS	
9225.00†	7165.25	2399.07	2422.78	8723.41	6852.25	1738.81	2419.27	64.64	730.70	163.47	4.49	PASS	
9325.00†	7164.71	2398.81	2522.78	8823.41	6851.71	1738.54	2519.27	64.64	730.71	171.15	4.28	PASS	
9425.00†	7164.16	2398.55	2622.78	8923.41	6851.17	1738.26	2619.27	64.64	730.72	178.90	4.10	PASS	
9525.00†	7163.62	2398.28	2722.77	9023.41	6850.62	1737.99	2719.27	64.64	730.73	186.70	3.93	PASS	
9625.00†	7163.08	2398.02	2822.77	9123.41	6850.08	1737.72	2819.27	64.64	730.74	194.55	3.77	PASS	
9725.00†	7162.53	2397.76	2922.77	9223.41	6849.53	1737.44	2919.27	64.64	730.75	202.45	3.62	PASS	
9825.00†	7161.99	2397.50	3022.77	9323.41	6848.99	1737.17	3019.26	64.64	730.76	210.38	3.48	PASS	
9925.00†	7161.44	2397.23	3122.77	9423.41	6848.44	1736.90	3119.26	64.64	730.77	218.35	3.35	PASS	
10025.00†	7160.90	2396.97	3222.76	9523.41	6847.90	1736.63	3219.26	64.64	730.78	226.36	3.24	PASS	
10125.00†	7160.36	2396.71	3322.76	9623.41	6847.36	1736.35	3319.26	64.64	730.79	234.39	3.12	PASS	
10225.00†	7159.81	2396.45	3422.76	9723.41	6846.81	1736.08	3419.26	64.64	730.80	242.45	3.02	PASS	
10325.00†	7159.27	2396.18	3522.76	9823.41	6846.27	1735.81	3519.25	64.64	730.81	250.53	2.92	PASS	
10425.00†	7158.72	2395.92	3622.76	9923.41	6845.72	1735.54	3619.25	64.64	730.81	258.63	2.83	PASS	
10525.00†	7158.18	2395.66	3722.76	10023.41	6845.18	1735.26	3719.25	64.64	730.82	266.75	2.74	PASS	
10625.00†	7157.64	2395.39	3822.75	10123.41	6844.64	1734.99	3819.25	64.64	730.83	274.88	2.66	PASS	
10725.00†	7157.09	2395.13	3922.75	10223.41	6844.09	1734.72	3919.25	64.64	730.84	283.04	2.59	PASS	
10825.00†	7156.55	2394.87	4022.75	10323.41	6843.55	1734.44	4019.25	64.64	730.85	291.20	2.51	PASS	
10925.00†	7156.01	2394.61	4122.75	10423.41	6843.00	1734.17	4119.24	64.64	730.86	299.38	2.44	PASS	
11025.00†	7155.46	2394.34	4222.75	10523.41	6842.46	1733.90	4219.24	64.64	730.87	307.58	2.38	PASS	
11125.00†	7154.92	2394.08	4322.74	10623.41	6841.91	1733.63	4319.24	64.64	730.88	315.78	2.32	PASS	
11225.00†	7154.37	2393.82	4422.74	10723.41	6841.37	1733.35	4419.24	64.64	730.89	323.99	2.26	PASS	
11325.00†	7153.83	2393.56	4522.74	10823.41	6840.83	1733.08	4519.24	64.64	730.90	332.22	2.20	PASS	
11425.00†	7153.29	2393.29	4622.74	10923.41	6840.28	1732.81	4619.23	64.64	730.91	340.45	2.15	PASS	
11525.00†	7152.74	2393.03	4722.74	11023.41	6839.74	1732.53	4719.23	64.64	730.92	348.69	2.10	PASS	
11625.00†	7152.20	2392.77	4822.74	11123.41	6839.19	1732.26	4819.23	64.64	730.93	356.94	2.05	PASS	
11725.00†	7151.65	2392.51	4922.73	11223.41	6838.65	1731.99	4919.23	64.65	730.93	365.20	2.00	PASS	
11825.00†	7151.11	2392.24	5022.73	11323.41	6838.11	1731.72	5019.23	64.65	730.94	373.46	1.96	PASS	
11925.00†	7150.57	2391.98	5122.73	11423.41	6837.56	1731.44	5119.22	64.65	730.95	381.73	1.92	PASS	
12025.00†	7150.02	2391.72	5222.73	11523.41	6837.02	1731.17	5219.22	64.65	730.96	390.00	1.88	PASS	
12125.00†	7149.48	2391.45	5322.73	11623.41	6836.47	1730.90	5319.22	64.65	730.97	398.28	1.84	PASS	
12225.00†	7148.93	2391.19	5422.72	11723.41	6835.93	1730.63	5419.22	64.65	730.98	406.57	1.80	PASS	
12325.00†	7148.39	2390.93	5522.72	11823.41	6835.38	1730.35	5519.22	64.65	730.99	414.86	1.76	PASS	
12425.00†	7147.85	2390.67	5622.72	11923.41	6834.84	1730.08	5619.22	64.65	731.00	423.16	1.73	PASS	
12525.00†	7147.30	2390.40	5722.72	12023.41	6834.30	1729.81	5719.21	64.65	731.01	431.46	1.70	PASS	
12625.00†	7146.76	2390.14	5822.72	12123.41	6833.75	1729.53	5819.21	64.65	731.02	439.76	1.66	PASS	
12725.00†	7146.22	2389.88	5922.72	12223.41	6833.21	1729.26	5919.21	64.65	731.03	448.07	1.63	PASS	
12825.00†	7145.67	2389.62	6022.71	12323.41	6832.66	1728.99	6019.21	64.65	731.04	456.38	1.60	PASS	
12925.00†	7145.13	2389.35	6122.71	12423.41	6832.12	1728.72	6119.21	64.65	731.05	464.69	1.57	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	
13025.00†	7144.58	2389.09	6222.71	12523.41	6831.57	1728.44	6219.20	64.65	731.06	473.01	1.55	PASS	
13125.00†	7144.04	2388.83	6322.71	12623.41	6831.03	1728.17	6319.20	64.65	731.06	481.33	1.52	PASS	
13225.00†	7143.50	2388.57	6422.71	12723.41	6830.49	1727.90	6419.20	64.65	731.07	489.66	1.49	PASS	
13325.00†	7142.95	2388.30	6522.70	12823.41	6829.94	1727.63	6519.20	64.65	731.08	497.98	1.47	PASS	
13425.00†	7142.41	2388.04	6622.70	12923.41	6829.40	1727.35	6619.20	64.65	731.09	506.31	1.44	PASS	
13525.00†	7141.86	2387.78	6722.70	13023.41	6828.85	1727.08	6719.20	64.65	731.10	514.64	1.42	PASS	
13625.00†	7141.32	2387.51	6822.70	13123.41	6828.31	1726.81	6819.19	64.65	731.11	522.98	1.40	PASS	
13725.00†	7140.78	2387.25	6922.70	13223.41	6827.77	1726.53	6919.19	64.65	731.12	531.32	1.38	PASS	
13825.00†	7140.23	2386.99	7022.70	13323.41	6827.22	1726.26	7019.19	64.65	731.13	539.66	1.36	PASS	
13925.00†	7139.69	2386.73	7122.69	13423.41	6826.68	1725.99	7119.19	64.65	731.14	548.00	1.33	PASS	
14025.00†	7139.14	2386.46	7222.69	13523.41	6826.13	1725.72	7219.19	64.65	731.15	556.34	1.31	PASS	
14125.00†	7138.60	2386.20	7322.69	13623.41	6825.59	1725.44	7319.18	64.65	731.16	564.68	1.30	PASS	
14225.00†	7138.06	2385.94	7422.69	13723.41	6825.04	1725.17	7419.18	64.65	731.17	573.03	1.28	PASS	
14325.00†	7137.51	2385.68	7522.69	13823.41	6824.50	1724.90	7519.18	64.65	731.18	581.38	1.26	PASS	
14425.00†	7136.97	2385.41	7622.68	13923.41	6823.96	1724.62	7619.18	64.65	731.18	589.73	1.24	PASS	
14525.00†	7136.43	2385.15	7722.68	14023.41	6823.41	1724.35	7719.18	64.65	731.19	598.08	1.22	PASS	
14625.00†	7135.88	2384.89	7822.68	14123.41	6822.87	1724.08	7819.17	64.65	731.20	606.44	1.21	PASS	
14725.00†	7135.34	2384.63	7922.68	14223.41	6822.32	1723.81	7919.17	64.65	731.21	614.79	1.19	PASS	
14825.00†	7134.79	2384.36	8022.68	14323.41	6821.78	1723.53	8019.17	64.65	731.22	623.15	1.17	PASS	
14925.00†	7134.25	2384.10	8122.68	14423.41	6821.24	1723.26	8119.17	64.66	731.23	631.51	1.16	PASS	
15025.00†	7133.71	2383.84	8222.67	14523.41	6820.69	1722.99	8219.17	64.66	731.24	639.87	1.14	PASS	
15125.00†	7133.16	2383.57	8322.67	14623.41	6820.15	1722.72	8319.17	64.66	731.25	648.23	1.13	PASS	
15225.00†	7132.62	2383.31	8422.67	14723.41	6819.60	1722.44	8419.16	64.66	731.26	656.59	1.11	PASS	
15325.00†	7132.07	2383.05	8522.67	14823.41	6819.06	1722.17	8519.16	64.66	731.27	664.95	1.10	PASS	
15338.67	7132.00	2383.01	8536.34	14834.14	6819.00	1722.14	8529.89	64.66	731.28	665.86	1.10	PASS	

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	27.48	86.13	54.48
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1712.72	0.00	27.48	86.13	54.48
8.5in Open Hole	1750.00	14834.14	13084.14	1712.72	N/A	86.13	54.48	N/A	N/A

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-23A-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-23A-M PWB
1750.00	14834.14	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-23A-M PWB

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27) Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	25.00	25.00	0.00	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	0.11	0.03	224.83	224.83	0.10	60.14	76.11	60.11	2.43	40.26	PASS	
325.00†	324.96	2.65	0.65	324.15	324.11	2.54	60.98	76.19	60.33	3.09	27.90	PASS	
425.00†	424.77	8.57	2.12	423.47	423.24	8.23	62.95	76.36	60.85	3.90	20.36	PASS	
525.00†	524.30	17.88	4.42	522.78	522.10	17.17	66.04	76.63	61.67	4.73	16.13	PASS	
625.00†	623.44	30.55	7.55	622.10	620.57	29.33	70.25	76.98	62.78	5.63	13.24	PASS	
725.00†	722.07	46.57	11.52	721.41	718.53	44.72	75.58	77.40	64.18	6.66	11.10	PASS	
825.00†	820.05	65.92	16.30	820.71	815.87	63.30	82.01	77.89	65.89	7.85	9.43	PASS	
925.00†	917.29	88.58	21.90	920.27	912.76	84.89	89.48	78.63	67.82	9.19	8.13	PASS	
1025.00†	1013.64	114.52	28.32	1020.19	1009.86	107.18	97.19	81.63	69.36	10.65	7.06	PASS	
1125.00†	1109.01	143.71	35.54	1119.93	1106.78	129.44	104.89	87.29	70.84	12.28	6.17	PASS	
1225.00†	1203.27	176.12	43.55	1219.37	1203.41	151.62	112.57	95.33	73.23	14.08	5.51	PASS	
1251.08	1227.65	185.09	45.77	1245.24	1228.55	157.39	114.56	97.76	74.17	14.55	5.39	PASS	
1325.00†	1296.66	210.83	52.13	1318.53	1299.76	173.74	120.22	104.55	77.59	15.88	5.14	PASS	
1425.00†	1390.00	245.65	60.74	1417.67	1396.10	195.86	127.87	112.70	83.80	17.51	5.01	PASS	
1525.00†	1483.35	280.48	69.36	1516.81	1492.44	217.98	135.53	119.63	91.47	18.94	5.03	PASS	
1625.00†	1576.69	315.30	77.97	1615.95	1588.78	240.10	143.18	125.42	100.27	20.19	5.17	PASS	
1725.00†	1670.04	350.12	86.58	1715.08	1685.11	262.22	150.83	130.25	109.93	21.30	5.36	PASS	
1825.00†	1763.38	384.95	95.19	1814.22	1781.45	284.33	158.49	134.28	120.23	21.39	5.78	PASS	
1925.00†	1856.72	419.77	103.80	1913.36	1877.79	306.45	166.14	137.66	131.04	21.09	6.40	PASS	
2025.00†	1950.07	454.59	112.41	2012.50	1974.13	328.57	173.79	140.52	142.23	20.89	7.01	PASS	
2125.00†	2043.41	489.42	121.02	2111.64	2070.46	350.69	181.44	142.96	153.71	20.82	7.61	PASS	
2225.00†	2136.76	524.24	129.63	2210.78	2166.80	372.81	189.10	145.06	165.44	20.87	8.17	PASS	
2325.00†	2230.10	559.06	138.24	2309.92	2263.14	394.92	196.75	146.88	177.36	21.03	8.69	PASS	
2425.00†	2323.45	593.89	146.85	2409.06	2359.48	417.04	204.40	148.47	189.43	21.30	9.17	PASS	
2525.00†	2416.79	628.71	155.46	2508.20	2455.81	439.16	212.06	149.87	201.63	21.66	9.59	PASS	
2625.00†	2510.14	663.53	164.08	2607.34	2552.15	461.28	219.71	151.11	213.93	22.10	9.97	PASS	
2725.00†	2603.48	698.35	172.69	2706.48	2648.49	483.40	227.36	152.22	226.32	22.62	10.30	PASS	
2825.00†	2696.83	733.18	181.30	2805.62	2744.83	505.51	235.02	153.21	238.79	23.21	10.58	PASS	
2925.00†	2790.17	768.00	189.91	2904.76	2841.16	527.63	242.67	154.10	251.32	23.86	10.82	PASS	
3025.00†	2883.51	802.82	198.52	3003.90	2937.50	549.75	250.32	154.90	263.90	24.57	11.03	PASS	
3125.00†	2976.86	837.65	207.13	3103.04	3033.84	571.87	257.97	155.64	276.53	25.32	11.21	PASS	
3225.00†	3070.20	872.47	215.74	3202.18	3130.18	593.99	265.63	156.31	289.20	26.12	11.35	PASS	
3325.00†	3163.55	907.29	224.35	3301.32	3226.51	616.10	273.28	156.92	301.91	26.96	11.48	PASS	
3425.00†	3256.89	942.12	232.96	3400.46	3322.85	638.22	280.93	157.48	314.65	27.83	11.58	PASS	
3525.00†	3350.24	976.94	241.57	3499.60	3419.19	660.34	288.59	158.00	327.41	28.73	11.66	PASS	
3625.00†	3443.58	1011.76	250.18	3598.74	3515.53	682.46	296.24	158.48	340.20	29.66	11.73	PASS	
3725.00†	3536.93	1046.58	258.80	3697.88	3611.87	704.58	303.89	158.93	353.01	30.61	11.78	PASS	
3825.00†	3630.27	1081.41	267.41	3797.02	3708.20	726.69	311.55	159.34	365.85	31.58	11.83	PASS	
3925.00†	3723.62	1116.23	276.02	3896.16	3804.54	748.81	319.20	159.73	378.69	32.58	11.86	PASS	
4025.00†	3816.96	1151.05	284.63	3995.30	3900.88	770.93	326.85	160.09	391.56	33.59	11.89	PASS	
4125.00†	3910.30	1185.88	293.24	4094.44	3997.22	793.05	334.50	160.43	404.44	34.62	11.91	PASS	
4225.00†	4003.65	1220.70	301.85	4193.58	4093.55	815.17	342.16	160.75	417.33	35.66	11.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27) Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
4325.00†	4096.99	1255.52	310.46	4292.72	4189.89	837.28	349.81	161.04	430.23	36.72	11.93	PASS	
4425.00†	4190.34	1290.35	319.07	4391.86	4286.23	859.40	357.46	161.32	443.15	37.79	11.93	PASS	
4525.00†	4283.68	1325.17	327.68	4491.00	4382.57	881.52	365.12	161.59	456.07	38.87	11.93	PASS	
4625.00†	4377.03	1359.99	336.29	4590.14	4478.90	903.64	372.77	161.84	469.01	39.95	11.93	PASS	
4725.00†	4470.37	1394.82	344.90	4689.28	4575.24	925.76	380.42	162.08	481.95	41.05	11.93	PASS	
4825.00†	4563.72	1429.64	353.52	4788.42	4671.58	947.87	388.08	162.30	494.90	42.16	11.92	PASS	
4925.00†	4657.06	1464.46	362.13	4887.56	4767.92	969.99	395.73	162.51	507.86	43.27	11.92	PASS	
5025.00†	4750.41	1499.28	370.74	4986.70	4864.25	992.11	403.38	162.72	520.82	44.39	11.91	PASS	
5125.00†	4843.75	1534.11	379.35	5085.84	4960.59	1014.23	411.04	162.91	533.79	45.51	11.90	PASS	
5225.00†	4937.10	1568.93	387.96	5184.98	5056.93	1036.35	418.69	163.09	546.76	46.65	11.89	PASS	
5325.00†	5030.44	1603.75	396.57	5284.12	5153.27	1058.46	426.34	163.27	559.74	47.78	11.88	PASS	
5425.00†	5123.78	1638.58	405.18	5383.26	5249.60	1080.58	433.99	163.43	572.73	48.93	11.86	PASS	
5525.00†	5217.13	1673.40	413.79	5482.40	5345.94	1102.70	441.65	163.59	585.72	50.07	11.85	PASS	
5625.00†	5310.47	1708.22	422.40	5581.54	5442.28	1124.82	449.30	163.75	598.71	51.22	11.84	PASS	
5725.00†	5403.82	1743.05	431.01	5680.68	5538.62	1146.94	456.95	163.89	611.71	52.38	11.82	PASS	
5825.00†	5497.16	1777.87	439.62	5779.82	5634.95	1169.06	464.61	164.03	624.71	53.54	11.81	PASS	
5925.00†	5590.51	1812.69	448.24	5878.96	5731.29	1191.17	472.26	164.17	637.72	54.70	11.80	PASS	
6025.00†	5683.85	1847.51	456.85	5978.10	5827.63	1213.29	479.91	164.30	650.73	55.87	11.78	PASS	
6125.00†	5777.20	1882.34	465.46	6077.24	5923.97	1235.41	487.57	164.42	663.74	57.03	11.77	PASS	
6225.00†	5870.54	1917.16	474.07	6176.38	6020.31	1257.53	495.22	164.54	676.75	58.21	11.76	PASS	
6325.00†	5963.89	1951.98	482.68	6275.52	6116.64	1279.65	502.87	164.65	689.77	59.38	11.74	PASS	
6425.00†	6057.23	1986.81	491.29	6374.66	6212.98	1301.76	510.52	164.76	702.79	60.56	11.73	PASS	
6525.00†	6150.57	2021.63	499.90	6473.80	6309.32	1323.88	518.18	164.87	715.81	61.74	11.72	PASS	
6625.00†	6243.92	2056.45	508.51	6572.94	6405.66	1346.00	525.83	164.97	728.84	62.92	11.70	PASS	
6725.00†	6337.26	2091.28	517.12	6672.08	6501.99	1368.12	533.48	165.07	741.86	64.10	11.69	PASS	
6825.00†	6430.61	2126.10	525.73	6771.19	6598.30	1390.23	541.14	165.17	754.89	65.28	11.68	PASS	
6925.00†	6523.95	2160.92	534.34	6867.21	6690.69	1411.43	555.89	164.70	768.12	66.57	11.65	PASS	
7025.00†	6617.30	2195.75	542.96	6959.27	6776.28	1431.05	563.25	163.27	782.08	67.72	11.66	PASS	
7035.17	6626.79	2199.29	543.83	6968.27	6784.42	1432.92	566.60	163.08	783.58	67.85	11.66	PASS	
7125.00†	6709.85	2230.27	557.84	7046.20	6852.79	1448.58	620.46	142.12	797.12	69.01	11.66	PASS	
7225.00†	6799.11	2263.56	567.92	7130.42	6921.54	1464.31	666.38	125.20	812.37	70.42	11.64	PASS	
7325.00†	6882.86	2294.78	632.54	7212.47	6982.28	1478.19	719.68	113.63	827.22	72.03	11.59	PASS	
7425.00†	6959.05	2323.17	690.58	7292.80	7034.80	1490.17	779.20	105.55	841.12	73.94	11.48	PASS	
7525.00†	7025.79	2348.03	760.63	7371.76	7078.91	1500.21	843.86	99.78	853.55	76.26	11.29	PASS	
7625.00†	7081.45	2368.75	840.96	7449.68	7114.46	1508.29	912.67	95.65	864.07	79.08	11.02	PASS	
7725.00†	7124.65	2384.81	929.59	7526.82	7141.34	1514.36	984.67	92.78	872.35	82.44	10.66	PASS	
7825.00†	7154.32	2395.83	1024.34	7603.43	7159.44	1518.42	1058.95	90.93	878.11	86.22	10.26	PASS	
7925.00†	7169.75	2401.53	1122.87	7679.71	7168.70	1520.44	1134.60	90.01	881.16	92.26	9.62	PASS	
7984.11	7172.00	2402.33	1181.91	7724.95	7170.00	1520.68	1179.81	89.87	881.65	92.77	9.57	PASS	
8025.00†	7171.78	2402.22	1222.80	7765.84	7169.81	1520.59	1220.69	89.87	881.64	94.99	9.34	PASS	
8125.00†	7171.23	2401.96	1322.80	7865.84	7169.36	1520.35	1320.69	89.88	881.62	100.76	8.80	PASS	
8225.00†	7170.69	2401.70	1422.80	7965.84	7168.91	1520.11	1420.69	89.89	881.59	107.04	8.28	PASS	
8325.00†	7170.15	2401.44	1522.80	8065.84	7168.47	1519.87	1520.69	89.89	881.57	113.72	7.79	PASS	
8425.00†	7169.60	2401.17	1622.79	8165.84	7168.02	1519.63	1620.69	89.90	881.54	120.74	7.34	PASS	
8525.00†	7169.06	2400.91	1722.79	8265.84	7167.57	1519.39	1720.69	89.90	881.52	128.05	6.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7168.51	2400.65	1822.79	8365.84	7167.12	1519.16	1820.68	89.91	881.49	135.59	6.53	PASS	
8725.00†	7167.97	2400.39	1922.79	8465.84	7166.67	1518.92	1920.68	89.92	881.47	143.34	6.18	PASS	
8825.00†	7167.43	2400.12	2022.79	8565.84	7166.22	1518.68	2020.68	89.92	881.45	151.26	5.85	PASS	
8925.00†	7166.88	2399.86	2122.78	8665.84	7165.77	1518.44	2120.68	89.93	881.42	159.32	5.55	PASS	
9025.00†	7166.34	2399.60	2222.78	8765.84	7165.32	1518.20	2220.68	89.93	881.40	167.50	5.28	PASS	
9125.00†	7165.79	2399.33	2322.78	8865.84	7164.87	1517.97	2320.68	89.94	881.37	175.79	5.03	PASS	
9225.00†	7165.25	2399.07	2422.78	8965.84	7164.42	1517.73	2420.68	89.95	881.35	184.18	4.80	PASS	
9325.00†	7164.71	2398.81	2522.78	9065.84	7163.97	1517.49	2520.68	89.95	881.32	192.64	4.59	PASS	
9425.00†	7164.16	2398.55	2622.78	9165.84	7163.53	1517.25	2620.67	89.96	881.30	201.17	4.39	PASS	
9525.00†	7163.62	2398.28	2722.77	9265.84	7163.08	1517.01	2720.67	89.97	881.27	209.77	4.21	PASS	
9625.00†	7163.08	2398.02	2822.77	9365.84	7162.63	1516.78	2820.67	89.97	881.25	218.42	4.04	PASS	
9725.00†	7162.53	2397.76	2922.77	9465.84	7162.18	1516.54	2920.67	89.98	881.22	227.11	3.89	PASS	
9825.00†	7161.99	2397.50	3022.77	9565.84	7161.73	1516.30	3020.67	89.98	881.20	235.85	3.74	PASS	
9925.00†	7161.44	2397.23	3122.77	9665.84	7161.28	1516.06	3120.67	89.99	881.17	244.63	3.61	PASS	
10025.00†	7160.90	2396.97	3222.76	9765.84	7160.83	1515.82	3220.67	90.00	881.15	253.44	3.48	PASS	
10125.00†	7160.36	2396.71	3322.76	9865.84	7160.38	1515.58	3320.66	90.00	881.13	262.28	3.37	PASS	
10225.00†	7159.81	2396.45	3422.76	9965.84	7159.93	1515.35	3420.66	90.01	881.10	271.15	3.26	PASS	
10325.00†	7159.27	2396.18	3522.76	10065.84	7159.48	1515.11	3520.66	90.01	881.08	280.04	3.15	PASS	
10425.00†	7158.72	2395.92	3622.76	10165.84	7159.04	1514.87	3620.66	90.02	881.05	288.96	3.05	PASS	
10525.00†	7158.18	2395.66	3722.76	10265.84	7158.59	1514.63	3720.66	90.03	881.03	297.90	2.96	PASS	
10625.00†	7157.64	2395.39	3822.75	10365.84	7158.14	1514.39	3820.66	90.03	881.00	306.85	2.88	PASS	
10725.00†	7157.09	2395.13	3922.75	10465.84	7157.69	1514.16	3920.66	90.04	880.98	315.83	2.79	PASS	
10825.00†	7156.55	2394.87	4022.75	10565.84	7157.24	1513.92	4020.66	90.05	880.95	324.82	2.72	PASS	
10925.00†	7156.01	2394.61	4122.75	10665.84	7156.79	1513.68	4120.65	90.05	880.93	333.82	2.64	PASS	
11025.00†	7155.46	2394.34	4222.75	10765.84	7156.34	1513.44	4220.65	90.06	880.91	342.84	2.57	PASS	
11125.00†	7154.92	2394.08	4322.74	10865.84	7155.89	1513.20	4320.65	90.06	880.88	351.87	2.51	PASS	
11225.00†	7154.37	2393.82	4422.74	10965.84	7155.44	1512.97	4420.65	90.07	880.86	360.91	2.44	PASS	
11325.00†	7153.83	2393.56	4522.74	11065.84	7154.99	1512.73	4520.65	90.08	880.83	369.96	2.38	PASS	
11425.00†	7153.29	2393.29	4622.74	11165.84	7154.54	1512.49	4620.65	90.08	880.81	379.02	2.33	PASS	
11525.00†	7152.74	2393.03	4722.74	11265.84	7154.10	1512.25	4720.65	90.09	880.78	388.09	2.27	PASS	
11625.00†	7152.20	2392.77	4822.74	11365.84	7153.65	1512.01	4820.64	90.09	880.76	397.17	2.22	PASS	
11725.00†	7151.65	2392.51	4922.73	11465.84	7153.20	1511.77	4920.64	90.10	880.73	406.25	2.17	PASS	
11825.00†	7151.11	2392.24	5022.73	11565.84	7152.75	1511.54	5020.64	90.11	880.71	415.35	2.12	PASS	
11925.00†	7150.57	2391.98	5122.73	11665.84	7152.30	1511.30	5120.64	90.11	880.69	424.45	2.08	PASS	
12025.00†	7150.02	2391.72	5222.73	11765.84	7151.85	1511.06	5220.64	90.12	880.66	433.55	2.03	PASS	
12125.00†	7149.48	2391.45	5322.73	11865.84	7151.40	1510.82	5320.64	90.13	880.64	442.67	1.99	PASS	
12225.00†	7148.93	2391.19	5422.72	11965.84	7150.95	1510.58	5420.64	90.13	880.61	451.79	1.95	PASS	
12325.00†	7148.39	2390.93	5522.72	12065.84	7150.50	1510.35	5520.64	90.14	880.59	460.91	1.91	PASS	
12425.00†	7147.85	2390.67	5622.72	12165.84	7150.05	1510.11	5620.63	90.14	880.56	470.04	1.87	PASS	
12525.00†	7147.30	2390.40	5722.72	12265.84	7149.61	1509.87	5720.63	90.15	880.54	479.17	1.84	PASS	
12625.00†	7146.76	2390.14	5822.72	12365.84	7149.16	1509.63	5820.63	90.16	880.52	488.31	1.80	PASS	
12725.00†	7146.22	2389.88	5922.72	12465.84	7148.71	1509.39	5920.63	90.16	880.49	497.46	1.77	PASS	
12825.00†	7145.67	2389.62	6022.71	12565.84	7148.26	1509.16	6020.63	90.17	880.47	506.60	1.74	PASS	
12925.00†	7145.13	2389.35	6122.71	12665.84	7147.81	1508.92	6120.63	90.18	880.44	515.75	1.71	PASS	
13025.00†	7144.58	2389.09	6222.71	12765.84	7147.36	1508.68	6220.63	90.18	880.42	524.91	1.68	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27 Well: TROUDT 8C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
13125.00†	7144.04	2388.83	6322.71	12865.84	7146.91	1508.44	6320.62	90.19	880.39	534.07	1.65	PASS	
13225.00†	7143.50	2388.57	6422.71	12965.84	7146.46	1508.20	6420.62	90.19	880.37	543.23	1.62	PASS	
13325.00†	7142.95	2388.30	6522.70	13065.84	7146.01	1507.97	6520.62	90.20	880.35	552.39	1.59	PASS	
13425.00†	7142.41	2388.04	6622.70	13165.84	7145.56	1507.73	6620.62	90.21	880.32	561.56	1.57	PASS	
13525.00†	7141.86	2387.78	6722.70	13265.84	7145.11	1507.49	6720.62	90.21	880.30	570.73	1.54	PASS	
13625.00†	7141.32	2387.51	6822.70	13365.84	7144.67	1507.25	6820.62	90.22	880.27	579.90	1.52	PASS	
13725.00†	7140.78	2387.25	6922.70	13465.84	7144.22	1507.01	6920.62	90.22	880.25	589.08	1.49	PASS	
13825.00†	7140.23	2386.99	7022.70	13565.84	7143.77	1506.77	7020.62	90.23	880.22	598.25	1.47	PASS	
13925.00†	7139.69	2386.73	7122.69	13665.84	7143.32	1506.54	7120.61	90.24	880.20	607.43	1.45	PASS	
14025.00†	7139.14	2386.46	7222.69	13765.84	7142.87	1506.30	7220.61	90.24	880.18	616.61	1.43	PASS	
14125.00†	7138.60	2386.20	7322.69	13865.84	7142.42	1506.06	7320.61	90.25	880.15	625.80	1.41	PASS	
14225.00†	7138.06	2385.94	7422.69	13965.84	7141.97	1505.82	7420.61	90.26	880.13	634.99	1.39	PASS	
14325.00†	7137.51	2385.68	7522.69	14065.84	7141.52	1505.58	7520.61	90.26	880.10	644.17	1.37	PASS	
14425.00†	7136.97	2385.41	7622.68	14165.84	7141.07	1505.35	7620.61	90.27	880.08	653.36	1.35	PASS	
14525.00†	7136.43	2385.15	7722.68	14265.84	7140.62	1505.11	7720.61	90.27	880.06	662.55	1.33	PASS	
14625.00†	7135.88	2384.89	7822.68	14365.84	7140.18	1504.87	7820.60	90.28	880.03	671.75	1.31	PASS	
14725.00†	7135.34	2384.63	7922.68	14465.84	7139.73	1504.63	7920.60	90.29	880.01	680.94	1.29	PASS	
14825.00†	7134.79	2384.36	8022.68	14565.84	7139.28	1504.39	8020.60	90.29	879.98	690.14	1.28	PASS	
14925.00†	7134.25	2384.10	8122.68	14665.83	7138.83	1504.16	8120.60	90.30	879.96	699.34	1.26	PASS	
15025.00†	7133.71	2383.84	8222.67	14765.83	7138.38	1503.92	8220.60	90.30	879.94	708.54	1.24	PASS	
15125.00†	7133.16	2383.57	8322.67	14865.83	7137.93	1503.68	8320.60	90.31	879.91	717.74	1.23	PASS	
15225.00†	7132.62	2383.31	8422.67	14965.83	7137.48	1503.44	8420.60	90.32	879.89	726.94	1.21	PASS	
15325.00†	7132.07	2383.05	8522.67	15065.83	7137.03	1503.20	8520.60	90.32	879.86	736.14	1.20	PASS	
15338.67	7132.00	2383.01	8536.34	15072.98	7137.00	1503.19	8527.74	90.32	879.88	736.92	1.19	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1719.04	0.00	36.64	82.30	65.11
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.04	0.00	36.64	82.30	65.11
8.5in Open Hole	1750.00	15072.98	13322.98	1719.04	N/A	82.30	65.11	N/A	N/A

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-59.82	-90.00	59.82	1.56	98.10	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-59.82	-90.00	59.82	1.88	64.24	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	-59.82	-90.00	59.82	2.29	44.31	PASS	
225.00†	225.00	0.11	0.03	225.10	225.10	0.11	-59.80	-103.89	59.83	2.43	40.07	PASS	
325.00†	324.96	2.65	0.65	325.52	325.48	2.69	-59.28	-103.85	59.94	3.07	28.02	PASS	
425.00†	424.77	8.57	2.12	425.93	425.70	8.73	-58.06	-103.77	60.19	3.83	20.69	PASS	
525.00†	524.30	17.88	4.42	526.34	525.64	18.20	-56.15	-103.64	60.58	4.63	16.26	PASS	
625.00†	623.44	30.55	7.55	626.75	625.18	31.10	-53.54	-103.46	61.12	5.54	13.16	PASS	
725.00†	722.07	46.57	11.52	727.16	724.19	47.41	-50.25	-103.25	61.80	6.59	10.82	PASS	
825.00†	820.05	65.92	16.30	827.56	822.55	67.11	-46.27	-102.99	62.63	7.81	9.01	PASS	
925.00†	917.29	88.58	21.90	927.96	920.15	90.17	-41.61	-102.70	63.59	9.22	7.59	PASS	
1025.00†	1013.64	114.52	28.32	1028.35	1016.85	116.57	-36.27	-102.38	64.70	10.83	6.46	PASS	
1125.00†	1109.01	143.71	35.54	1128.73	1112.55	146.27	-30.27	-102.03	65.95	12.64	5.57	PASS	
1225.00†	1203.27	176.12	43.55	1229.11	1207.12	179.24	-23.61	-101.66	67.34	14.64	4.85	PASS	
1251.08	1227.65	185.09	45.77	1255.28	1231.58	188.37	-21.76	-101.56	67.73	15.08	4.73	PASS	
1325.00†	1296.66	210.83	52.13	1329.46	1300.42	215.42	-16.30	-100.51	68.69	16.86	4.26	PASS	
1425.00†	1390.00	245.65	60.74	1429.61	1392.20	254.71	-8.36	-96.65	69.73	19.23	3.77	PASS	
1525.00†	1483.35	280.48	69.36	1529.33	1482.14	296.92	0.17	-90.13	71.12	21.71	3.38	PASS	
1625.00†	1576.69	315.30	77.97	1628.37	1569.92	341.87	9.25	-81.36	73.98	24.10	3.16	PASS	
1725.00†	1670.04	350.12	86.58	1727.32	1656.55	388.73	18.72	-71.86	79.23	26.07	3.12	PASS	
1825.00†	1763.38	384.95	95.19	1826.35	1743.23	435.68	28.21	-63.68	86.41	26.21	3.36	PASS	
1925.00†	1856.72	419.77	103.80	1925.39	1829.91	482.64	37.69	-56.85	95.08	25.43	3.82	PASS	
2025.00†	1950.07	454.59	112.41	2024.42	1916.58	529.59	47.18	-51.21	104.88	24.79	4.33	PASS	
2125.00†	2043.41	489.42	121.02	2123.45	2003.26	576.54	56.67	-46.57	115.52	24.33	4.86	PASS	
2225.00†	2136.76	524.24	129.63	2222.49	2089.94	623.50	66.16	-42.73	126.78	24.08	5.39	PASS	
2325.00†	2230.10	559.06	138.24	2321.52	2176.62	670.45	75.64	-39.52	138.52	24.01	5.91	PASS	
2425.00†	2323.45	593.89	146.85	2420.55	2263.29	717.40	85.13	-36.81	150.61	24.11	6.41	PASS	
2525.00†	2416.79	628.71	155.46	2519.59	2349.97	764.36	94.62	-34.51	163.00	24.36	6.86	PASS	
2625.00†	2510.14	663.53	164.08	2618.62	2436.65	811.31	104.11	-32.54	175.60	24.74	7.28	PASS	
2725.00†	2603.48	698.35	172.69	2717.65	2523.33	858.26	113.59	-30.83	188.38	25.24	7.65	PASS	
2825.00†	2696.83	733.18	181.30	2816.69	2610.00	905.22	123.08	-29.34	201.31	25.84	7.98	PASS	
2925.00†	2790.17	768.00	189.91	2915.72	2696.68	952.17	132.57	-28.03	214.35	26.53	8.27	PASS	
3025.00†	2883.51	802.82	198.52	3014.75	2783.36	999.12	142.05	-26.87	227.49	27.29	8.53	PASS	
3125.00†	2976.86	837.65	207.13	3113.79	2870.04	1046.08	151.54	-25.84	240.72	28.12	8.76	PASS	
3225.00†	3070.20	872.47	215.74	3212.82	2956.71	1093.03	161.03	-24.92	254.01	29.00	8.95	PASS	
3325.00†	3163.55	907.29	224.35	3311.85	3043.39	1139.98	170.52	-24.08	267.36	29.94	9.12	PASS	
3425.00†	3256.89	942.12	232.96	3410.89	3130.07	1186.94	180.00	-23.33	280.76	30.92	9.27	PASS	
3525.00†	3350.24	976.94	241.57	3509.92	3216.75	1233.89	189.49	-22.64	294.20	31.94	9.40	PASS	
3625.00†	3443.58	1011.76	250.18	3608.96	3303.42	1280.84	198.98	-22.02	307.69	32.99	9.51	PASS	
3725.00†	3536.93	1046.58	258.80	3707.99	3390.10	1327.80	208.47	-21.45	321.20	34.07	9.61	PASS	
3825.00†	3630.27	1081.41	267.41	3807.02	3476.78	1374.75	217.95	-20.92	334.75	35.18	9.69	PASS	
3925.00†	3723.62	1116.23	276.02	3906.06	3563.46	1421.70	227.44	-20.43	348.32	36.31	9.77	PASS	
4025.00†	3816.96	1151.05	284.63	4005.09	3650.14	1468.66	236.93	-19.99	361.91	37.46	9.83	PASS	
4125.00†	3910.30	1185.88	293.24	4104.12	3736.81	1515.61	246.41	-19.57	375.52	38.63	9.89	PASS	
4225.00†	4003.65	1220.70	301.85	4203.16	3823.49	1562.56	255.90	-19.18	389.15	39.81	9.93	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	4302.19	3910.17	1609.52	265.39	-18.82	402.80	41.01	9.98	PASS		
4425.00†	4190.34	1290.35	319.07	4401.22	3996.85	1656.47	274.88	-18.48	416.46	42.23	10.01	PASS		
4525.00†	4283.68	1325.17	327.68	4500.26	4083.52	1703.42	284.36	-18.17	430.14	43.45	10.05	PASS		
4625.00†	4377.03	1359.99	336.29	4599.23	4170.20	1750.38	293.85	-17.87	443.82	44.69	10.08	PASS		
4725.00†	4470.37	1394.82	344.90	4698.32	4256.88	1797.33	303.34	-17.59	457.52	45.94	10.10	PASS		
4825.00†	4563.72	1429.64	353.52	4797.36	4343.56	1844.28	312.83	-17.33	471.23	47.19	10.12	PASS		
4925.00†	4657.06	1464.46	362.13	4896.39	4430.23	1891.24	322.31	-17.08	484.95	48.46	10.14	PASS		
5025.00†	4750.41	1499.28	370.74	4995.42	4516.91	1938.19	331.80	-16.85	498.67	49.73	10.16	PASS		
5125.00†	4843.75	1534.11	379.35	5094.46	4603.59	1985.14	341.29	-16.63	512.41	51.01	10.17	PASS		
5225.00†	4937.10	1568.93	387.96	5193.49	4690.27	2032.10	350.77	-16.42	526.15	52.29	10.19	PASS		
5325.00†	5030.44	1603.75	396.57	5292.53	4776.94	2079.05	360.26	-16.22	539.89	53.58	10.20	PASS		
5425.00†	5123.78	1638.58	405.18	5391.56	4863.62	2126.00	369.75	-16.03	553.65	54.88	10.21	PASS		
5525.00†	5217.13	1673.40	413.79	5490.59	4950.30	2172.96	379.24	-15.85	567.41	56.18	10.22	PASS		
5625.00†	5310.47	1708.22	422.40	5589.63	5036.98	2219.91	388.72	-15.68	581.17	57.49	10.22	PASS		
5725.00†	5403.82	1743.05	431.01	5688.66	5123.65	2266.87	398.21	-15.51	594.94	58.80	10.23	PASS		
5825.00†	5497.16	1777.87	439.62	5787.69	5210.33	2313.82	407.70	-15.36	608.71	60.11	10.24	PASS		
5925.00†	5590.51	1812.69	448.24	5886.73	5297.01	2360.77	417.19	-15.21	622.49	61.43	10.24	PASS		
6025.00†	5683.85	1847.51	456.85	5985.76	5383.69	2407.73	426.67	-15.06	636.27	62.75	10.24	PASS		
6125.00†	5777.20	1882.34	465.46	6084.79	5470.36	2454.68	436.16	-14.93	650.06	64.07	10.25	PASS		
6225.00†	5870.54	1917.16	474.07	6183.83	5557.04	2501.63	445.65	-14.79	663.85	65.40	10.25	PASS		
6325.00†	5963.89	1951.98	482.68	6282.86	5643.72	2548.59	455.13	-14.67	677.64	66.73	10.25	PASS		
6425.00†	6057.23	1986.81	491.29	6381.89	5730.40	2595.54	464.62	-14.55	691.44	68.06	10.25	PASS		
6525.00†	6150.57	2021.63	499.90	6480.93	5817.08	2642.49	474.11	-14.43	705.24	69.40	10.26	PASS		
6625.00†	6243.92	2056.45	508.51	6579.96	5903.75	2689.45	483.60	-14.32	719.04	70.74	10.26	PASS		
6725.00†	6337.26	2091.28	517.12	6678.99	5990.43	2736.40	493.08	-14.21	732.84	72.08	10.26	PASS		
6825.00†	6430.61	2126.10	525.73	6778.03	6077.11	2783.35	502.57	-14.11	746.65	73.42	10.26	PASS		
6925.00†	6523.95	2160.92	534.34	6877.06	6163.79	2830.31	512.06	-14.01	760.45	74.76	10.26	PASS		
7025.00†	6617.30	2195.75	542.96	6976.09	6250.46	2877.26	521.55	-13.91	774.27	76.11	10.26	PASS		
7035.17	6626.79	2199.29	543.83	6986.17	6259.28	2882.04	522.51	-13.90	775.67	76.25	10.26	PASS		
7125.00†	6709.85	2230.27	557.84	7074.90	6336.94	2924.10	531.01	-13.29	788.16	77.48	10.26	PASS		
7225.00†	6799.11	2263.56	567.92	7171.68	6421.65	2969.99	540.28	-14.46	802.37	78.92	10.25	PASS		
7325.00†	6882.86	2294.78	576.54	7266.56	6504.66	3014.96	549.66	-15.41	817.66	80.49	10.24	PASS		
7425.00†	6959.05	2323.17	585.16	7357.16	6597.91	3065.48	572.39	-16.67	833.91	82.49	10.19	PASS		
7525.00†	7025.79	2348.03	593.63	7443.60	6694.11	3117.61	567.31	-17.99	850.18	84.92	10.09	PASS		
7625.00†	7081.45	2368.75	602.96	7534.64	6789.28	3169.19	568.96	-19.01	865.55	87.83	9.93	PASS		
7725.00†	7124.65	2384.81	612.59	7626.46	6876.66	3216.57	571.09	-19.05	878.92	91.32	9.69	PASS		
7825.00†	7154.32	2395.83	623.44	7717.77	6964.39	3254.41	574.15	-19.18	889.07	95.46	9.38	PASS		
7925.00†	7169.75	2401.53	634.87	7808.84	7052.20	3276.60	578.08	-19.34	894.84	100.19	8.99	PASS		
7984.11	7172.00	2402.33	646.30	7899.91	7140.01	3280.34	578.73	-19.54	895.87	103.14	8.74	PASS		
8025.00†	7171.78	2402.22	657.73	7990.98	7227.78	3280.23	578.05	-19.54	895.87	105.16	8.57	PASS		
8125.00†	7171.23	2401.96	669.16	8082.05	7315.51	3279.98	578.04	-19.54	895.88	110.46	8.16	PASS		
8225.00†	7170.69	2401.70	680.59	8173.12	7403.24	3279.72	578.04	-19.54	895.89	116.23	7.75	PASS		
8325.00†	7170.15	2401.44	692.02	8264.19	7490.97	3279.46	578.04	-19.54	895.90	122.41	7.36	PASS		
8425.00†	7169.60	2401.17	703.45	8355.26	7578.70	3279.21	578.04	-19.53	895.91	128.94	6.98	PASS		
8525.00†	7169.06	2400.91	714.88	8446.33	7666.43	3278.95	578.04	-19.53	895.93	135.76	6.63	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
8625.00†	7168.51	2400.65	1822.79	8829.22	6990.35	3278.69	1824.03	-78.53	895.94	142.83	6.30	PASS	
8725.00†	7167.97	2400.39	1922.79	8929.22	6989.78	3278.43	1924.03	-78.53	895.95	150.12	5.99	PASS	
8825.00†	7167.43	2400.12	2022.79	9029.22	6989.21	3278.18	2024.03	-78.53	895.96	157.60	5.71	PASS	
8925.00†	7166.88	2399.86	2122.78	9129.22	6988.64	3277.92	2124.03	-78.53	895.97	165.24	5.44	PASS	
9025.00†	7166.34	2399.60	2222.78	9229.22	6988.07	3277.66	2224.03	-78.52	895.98	173.02	5.20	PASS	
9125.00†	7165.79	2399.33	2322.78	9329.22	6987.50	3277.40	2324.02	-78.52	895.99	180.92	4.97	PASS	
9225.00†	7165.25	2399.07	2422.78	9429.22	6986.93	3277.15	2424.02	-78.52	896.00	188.93	4.76	PASS	
9325.00†	7164.71	2398.81	2522.78	9529.22	6986.36	3276.89	2524.02	-78.52	896.01	197.04	4.56	PASS	
9425.00†	7164.16	2398.55	2622.78	9629.22	6985.79	3276.63	2624.02	-78.52	896.02	205.22	4.38	PASS	
9525.00†	7163.62	2398.28	2722.77	9729.22	6985.22	3276.37	2724.02	-78.52	896.03	213.48	4.21	PASS	
9625.00†	7163.08	2398.02	2822.77	9829.22	6984.65	3276.12	2824.01	-78.51	896.04	221.80	4.05	PASS	
9725.00†	7162.53	2397.76	2922.77	9929.22	6984.08	3275.86	2924.01	-78.51	896.05	230.18	3.90	PASS	
9825.00†	7161.99	2397.50	3022.77	10029.22	6983.51	3275.60	3024.01	-78.51	896.06	238.62	3.76	PASS	
9925.00†	7161.44	2397.23	3122.77	10129.22	6982.94	3275.34	3124.01	-78.51	896.07	247.10	3.63	PASS	
10025.00†	7160.90	2396.97	3222.76	10229.22	6982.37	3275.09	3224.01	-78.51	896.08	255.62	3.51	PASS	
10125.00†	7160.36	2396.71	3322.76	10329.22	6981.79	3274.83	3324.00	-78.51	896.09	264.18	3.40	PASS	
10225.00†	7159.81	2396.45	3422.76	10429.22	6981.22	3274.57	3424.00	-78.50	896.10	272.77	3.29	PASS	
10325.00†	7159.27	2396.18	3522.76	10529.22	6980.65	3274.31	3524.00	-78.50	896.11	281.39	3.19	PASS	
10425.00†	7158.72	2395.92	3622.76	10629.22	6980.08	3274.06	3624.00	-78.50	896.12	290.04	3.09	PASS	
10525.00†	7158.18	2395.66	3722.76	10729.22	6979.51	3273.80	3724.00	-78.50	896.13	298.72	3.00	PASS	
10625.00†	7157.64	2395.39	3822.75	10829.22	6978.94	3273.54	3823.99	-78.50	896.14	307.42	2.92	PASS	
10725.00†	7157.09	2395.13	3922.75	10929.22	6978.37	3273.28	3923.99	-78.50	896.15	316.14	2.84	PASS	
10825.00†	7156.55	2394.87	4022.75	11029.22	6977.80	3273.03	4023.99	-78.49	896.16	324.89	2.76	PASS	
10925.00†	7156.01	2394.61	4122.75	11129.22	6977.23	3272.77	4123.99	-78.49	896.18	333.65	2.69	PASS	
11025.00†	7155.46	2394.34	4222.75	11229.22	6976.66	3272.51	4223.99	-78.49	896.19	342.43	2.62	PASS	
11125.00†	7154.92	2394.08	4322.74	11329.22	6976.09	3272.25	4323.99	-78.49	896.20	351.22	2.55	PASS	
11225.00†	7154.37	2393.82	4422.74	11429.22	6975.52	3272.00	4423.98	-78.49	896.21	360.03	2.49	PASS	
11325.00†	7153.83	2393.56	4522.74	11529.22	6974.95	3271.74	4523.98	-78.49	896.22	368.85	2.43	PASS	
11425.00†	7153.29	2393.29	4622.74	11629.22	6974.38	3271.48	4623.98	-78.49	896.23	377.68	2.38	PASS	
11525.00†	7152.74	2393.03	4722.74	11729.22	6973.81	3271.22	4723.98	-78.48	896.24	386.53	2.32	PASS	
11625.00†	7152.20	2392.77	4822.74	11829.22	6973.24	3270.97	4823.98	-78.48	896.25	395.38	2.27	PASS	
11725.00†	7151.65	2392.51	4922.73	11929.22	6972.66	3270.71	4923.97	-78.48	896.26	404.25	2.22	PASS	
11825.00†	7151.11	2392.24	5022.73	12029.22	6972.09	3270.45	5023.97	-78.48	896.27	413.12	2.17	PASS	
11925.00†	7150.57	2391.98	5122.73	12129.22	6971.52	3270.19	5123.97	-78.48	896.28	422.01	2.13	PASS	
12025.00†	7150.02	2391.72	5222.73	12229.22	6970.95	3269.94	5223.97	-78.47	896.29	430.90	2.08	PASS	
12125.00†	7149.48	2391.45	5322.73	12329.22	6970.38	3269.68	5323.97	-78.47	896.30	439.80	2.04	PASS	
12225.00†	7148.93	2391.19	5422.72	12429.22	6969.81	3269.42	5423.96	-78.47	896.31	448.71	2.00	PASS	
12325.00†	7148.39	2390.93	5522.72	12529.22	6969.24	3269.16	5523.96	-78.47	896.32	457.62	1.96	PASS	
12425.00†	7147.85	2390.67	5622.72	12629.22	6968.67	3268.91	5623.96	-78.47	896.33	466.54	1.92	PASS	
12525.00†	7147.30	2390.40	5722.72	12729.22	6968.10	3268.65	5723.96	-78.47	896.34	475.47	1.89	PASS	
12625.00†	7146.76	2390.14	5822.72	12829.22	6967.53	3268.39	5823.96	-78.47	896.35	484.40	1.85	PASS	
12725.00†	7146.22	2389.88	5922.72	12929.22	6966.96	3268.13	5923.95	-78.46	896.36	493.34	1.82	PASS	
12825.00†	7145.67	2389.62	6022.71	13029.22	6966.39	3267.88	6023.95	-78.46	896.37	502.29	1.79	PASS	
12925.00†	7145.13	2389.35	6122.71	13129.22	6965.82	3267.62	6123.95	-78.46	896.38	511.23	1.75	PASS	
13025.00†	7144.58	2389.09	6222.71	13229.22	6965.25	3267.36	6223.95	-78.46	896.39	520.19	1.72	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	13329.22	6964.68	3267.10	6323.95	-78.46	896.40	529.14	1.69	PASS	
13225.00†	7143.50	2388.57	6422.71	13429.22	6964.11	3266.85	6423.94	-78.46	896.42	538.11	1.67	PASS	
13325.00†	7142.95	2388.30	6522.70	13529.22	6963.53	3266.59	6523.94	-78.45	896.43	547.07	1.64	PASS	
13425.00†	7142.41	2388.04	6622.70	13629.22	6962.96	3266.33	6623.94	-78.45	896.44	556.04	1.61	PASS	
13525.00†	7141.86	2387.78	6722.70	13729.22	6962.39	3266.07	6723.94	-78.45	896.45	565.01	1.59	PASS	
13625.00†	7141.32	2387.51	6822.70	13829.22	6961.82	3265.82	6823.94	-78.45	896.46	573.99	1.56	PASS	
13725.00†	7140.78	2387.25	6922.70	13929.22	6961.25	3265.56	6923.93	-78.45	896.47	582.97	1.54	PASS	
13825.00†	7140.23	2386.99	7022.70	14029.22	6960.68	3265.30	7023.93	-78.45	896.48	591.95	1.52	PASS	
13925.00†	7139.69	2386.73	7122.69	14129.22	6960.11	3265.04	7123.93	-78.44	896.49	600.94	1.49	PASS	
14025.00†	7139.14	2386.46	7222.69	14229.22	6959.54	3264.79	7223.93	-78.44	896.50	609.92	1.47	PASS	
14125.00†	7138.60	2386.20	7322.69	14329.22	6958.97	3264.53	7323.93	-78.44	896.51	618.91	1.45	PASS	
14225.00†	7138.06	2385.94	7422.69	14429.22	6958.40	3264.27	7423.92	-78.44	896.52	627.91	1.43	PASS	
14325.00†	7137.51	2385.68	7522.69	14529.22	6957.83	3264.01	7523.92	-78.44	896.53	636.90	1.41	PASS	
14425.00†	7136.97	2385.41	7622.68	14629.22	6957.26	3263.76	7623.92	-78.44	896.54	645.90	1.39	PASS	
14525.00†	7136.43	2385.15	7722.68	14729.22	6956.69	3263.50	7723.92	-78.44	896.55	654.90	1.37	PASS	
14625.00†	7135.88	2384.89	7822.68	14829.22	6956.12	3263.24	7823.92	-78.43	896.56	663.90	1.35	PASS	
14725.00†	7135.34	2384.63	7922.68	14929.22	6955.55	3262.98	7923.91	-78.43	896.57	672.91	1.33	PASS	
14825.00†	7134.79	2384.36	8022.68	15029.22	6954.97	3262.73	8023.91	-78.43	896.58	681.92	1.32	PASS	
14925.00†	7134.25	2384.10	8122.68	15129.22	6954.40	3262.47	8123.91	-78.43	896.59	690.92	1.30	PASS	
15025.00†	7133.71	2383.84	8222.67	15229.22	6953.83	3262.21	8223.91	-78.43	896.60	699.93	1.28	PASS	
15125.00†	7133.16	2383.57	8322.67	15329.22	6953.26	3261.95	8323.91	-78.43	896.61	708.95	1.26	PASS	
15225.00†	7132.62	2383.31	8422.67	15429.22	6952.69	3261.70	8423.90	-78.42	896.62	717.96	1.25	PASS	
15325.00†	7132.07	2383.05	8522.67	15529.22	6952.12	3261.44	8523.90	-78.42	896.63	726.97	1.23	PASS	
15338.67	7132.00	2383.01	8536.34	15542.89	6952.04	3261.40	8537.57	-78.42	896.64	728.21	1.23	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1676.40	0.00	-36.47	121.76	-11.87
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1676.40	0.00	-36.47	121.76	-11.87
8.5in Open Hole	1750.00	15550.53	13800.53	1676.40	N/A	121.76	-11.87	N/A	N/A

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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	15550.53	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	43.27	14.27	4011.20	-1927.17	-25.66	4450.15	50.33	90.42	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	2445.26	-1174.70	2435.48	-1179.62

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWP 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	2845.85	7894.04	70.18	8391.34	25.57	341.05	PASS	
125.00†	125.00	0.00	0.00	85.57	116.57	2845.89	7894.07	70.18	8391.39	50.17	170.51	PASS	
200.00	200.00	0.00	0.00	161.27	192.27	2845.96	7894.13	70.18	8391.47	50.18	170.47	PASS	
225.00†	225.00	0.11	0.03	187.17	218.17	2845.97	7894.15	56.23	8391.43	50.19	170.46	PASS	
325.00†	324.96	2.65	0.65	300.87	331.87	2845.91	7894.18	56.33	8389.99	50.21	170.34	PASS	
425.00†	424.77	8.57	2.12	450.47	481.47	2845.30	7893.43	56.45	8385.89	50.26	170.11	PASS	
525.00†	524.30	17.88	4.42	557.57	588.56	2845.22	7892.81	56.60	8380.01	50.32	169.77	PASS	
625.00†	623.44	30.55	7.55	653.69	684.69	2844.93	7892.01	56.81	8371.93	50.39	169.36	PASS	
725.00†	722.07	46.57	11.52	771.73	802.72	2844.39	7891.35	57.09	8362.18	50.49	168.84	PASS	
825.00†	820.05	65.92	16.30	872.62	903.60	2843.40	7890.55	57.42	8350.16	50.60	168.20	PASS	
925.00†	917.29	88.58	21.90	962.13	993.11	2842.45	7890.00	57.78	8336.45	50.74	167.46	PASS	
1025.00†	1013.64	114.52	28.32	1085.86	1116.83	2841.53	7888.99	58.24	8320.90	50.92	166.53	PASS	
1125.00†	1109.01	143.71	35.54	1179.33	1210.28	2840.45	7888.11	58.72	8303.35	51.14	165.46	PASS	
1225.00†	1203.27	176.12	43.55	1251.13	1282.07	2839.66	7887.54	59.20	8284.25	51.40	164.24	PASS	
1251.08	1227.65	185.09	45.77	1268.51	1299.45	2839.52	7887.42	59.33	8279.05	51.47	163.90	PASS	
1325.00†	1296.66	210.83	52.13	1331.94	1362.89	2839.09	7887.05	59.47	8264.26	51.69	162.89	PASS	
1425.00†	1390.00	245.65	60.74	1428.41	1459.35	2838.28	7886.40	59.69	8244.24	52.04	161.39	PASS	
1525.00†	1483.35	280.48	69.36	1494.40	1525.34	2837.84	7886.08	59.83	8224.54	52.41	159.86	PASS	
1625.00†	1576.69	315.30	77.97	1610.70	1641.63	2836.99	7885.53	60.09	8204.95	52.85	158.13	PASS	
1725.00†	1670.04	350.12	86.58	1674.94	1705.87	2836.48	7885.28	60.24	8185.54	53.29	156.42	PASS	
1825.00†	1763.38	384.95	95.19	1748.83	1779.75	2835.95	7885.22	60.41	8166.54	53.30	155.27	PASS	
1925.00†	1856.72	419.77	103.80	1830.86	1861.78	2835.13	7885.38	60.60	8147.82	53.37	154.71	PASS	
2025.00†	1950.07	454.59	112.41	1910.42	1941.34	2834.50	7885.56	60.78	8129.32	53.45	154.13	PASS	
2125.00†	2043.41	489.42	121.02	1963.41	1994.33	2834.14	7885.86	60.90	8111.28	53.52	153.57	PASS	
2225.00†	2136.76	524.24	129.63	2061.72	2092.63	2833.38	7886.87	61.13	8093.75	53.63	152.92	PASS	
2325.00†	2230.10	559.06	138.24	2177.27	2208.17	2832.07	7887.65	61.40	8075.92	53.77	152.17	PASS	
2425.00†	2323.45	593.89	146.85	2280.96	2311.85	2830.89	7888.23	61.65	8058.12	53.93	151.40	PASS	
2525.00†	2416.79	628.71	155.46	2382.98	2413.86	2829.70	7888.66	61.89	8040.32	54.10	150.58	PASS	
2625.00†	2510.14	663.53	164.08	2598.06	2628.92	2826.36	7887.59	62.40	8021.51	54.40	149.39	PASS	
2725.00†	2603.48	698.35	172.69	2691.29	2722.12	2824.54	7886.66	62.63	8002.51	54.62	148.41	PASS	
2825.00†	2696.83	733.18	181.30	2769.21	2800.02	2822.63	7886.05	62.82	7983.72	54.85	147.44	PASS	
2925.00†	2790.17	768.00	189.91	3010.44	3041.14	2816.96	7881.91	63.42	7964.18	55.26	145.99	PASS	
3025.00†	2883.51	802.82	198.52	3135.46	3166.08	2814.80	7878.17	63.72	7943.86	55.58	144.75	PASS	
3125.00†	2976.86	837.65	207.13	3243.30	3273.85	2813.67	7874.31	63.98	7923.29	55.91	143.52	PASS	
3225.00†	3070.20	872.47	215.74	3319.15	3349.64	2813.71	7871.43	64.16	7902.91	56.22	142.36	PASS	
3325.00†	3163.55	907.29	224.35	3384.41	3414.85	2814.40	7868.99	64.30	7882.94	56.52	141.22	PASS	
3425.00†	3256.89	942.12	232.96	3430.55	3460.95	2815.22	7867.38	64.40	7863.50	56.82	140.12	PASS	
3525.00†	3350.24	976.94	241.57	3470.72	3501.10	2816.01	7866.26	64.49	7844.79	57.12	139.04	PASS	
3625.00†	3443.58	1011.76	250.18	3524.28	3554.64	2817.13	7865.13	64.61	7826.82	57.45	137.92	PASS	
3725.00†	3536.93	1046.58	258.80	3609.59	3639.91	2819.06	7863.46	64.80	7809.17	57.82	136.72	PASS	
3825.00†	3630.27	1081.41	267.41	3673.62	3703.91	2820.54	7862.37	64.95	7791.89	58.17	135.58	PASS	
3925.00†	3723.62	1116.23	276.02	3745.27	3775.54	2822.18	7861.43	65.11	7775.05	58.54	134.42	PASS	
4025.00†	3816.96	1151.05	284.63	3823.15	3853.40	2823.97	7860.58	65.28	7758.54	58.93	133.25	PASS	
4125.00†	3910.30	1185.88	293.24	3902.96	3933.17	2826.04	7859.81	65.46	7742.33	59.32	132.08	PASS	
4225.00†	4003.65	1220.70	301.85	3974.40	4004.59	2827.99	7859.28	65.62	7726.46	59.71	130.93	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWP 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	
4325.00†	4096.99	1255.52	310.46	4044.51	4074.67	2829.84	7858.99	65.78	7710.98	60.11	129.79	PASS	
4425.00†	4190.34	1290.35	319.07	4112.64	4142.77	2831.76	7858.90	65.94	7695.92	60.52	128.66	PASS	
4525.00†	4283.68	1325.17	327.68	4175.66	4205.75	2833.74	7859.02	66.08	7681.34	60.93	127.55	PASS	
4625.00†	4377.03	1359.99	336.29	4263.52	4293.56	2836.80	7859.42	66.28	7667.16	61.36	126.40	PASS	
4725.00†	4470.37	1394.82	344.90	4386.56	4416.54	2840.85	7859.80	66.55	7652.94	61.84	125.18	PASS	
4825.00†	4563.72	1429.64	353.52	4460.51	4490.45	2843.19	7859.94	66.72	7638.71	62.29	124.04	PASS	
4925.00†	4657.06	1464.46	362.13	4538.16	4568.05	2846.21	7860.25	66.89	7624.90	62.74	122.90	PASS	
5025.00†	4750.41	1499.28	370.74	4640.33	4670.14	2849.90	7860.78	67.13	7611.26	63.23	121.72	PASS	
5125.00†	4843.75	1534.11	379.35	4737.40	4767.15	2853.36	7861.10	67.35	7597.56	63.73	120.55	PASS	
5225.00†	4937.10	1568.93	387.96	4845.00	4874.69	2856.72	7861.70	67.59	7584.14	64.24	119.36	PASS	
5325.00†	5030.44	1603.75	396.57	5014.70	5044.34	2860.94	7861.30	67.99	7569.87	64.84	118.03	PASS	
5425.00†	5123.78	1638.58	405.18	5089.47	5119.09	2862.42	7861.00	68.17	7555.60	65.36	116.86	PASS	
5525.00†	5217.13	1673.40	413.79	5188.39	5218.00	2863.72	7860.84	68.42	7541.58	65.90	115.67	PASS	
5625.00†	5310.47	1708.22	422.40	5252.63	5282.25	2864.29	7860.84	68.58	7527.79	66.41	114.56	PASS	
5725.00†	5403.82	1743.05	431.01	5329.98	5359.59	2864.82	7861.23	68.77	7514.55	66.94	113.45	PASS	
5825.00†	5497.16	1777.87	439.62	5448.95	5478.56	2864.86	7861.64	69.08	7501.21	67.49	112.31	PASS	
5925.00†	5590.51	1812.69	448.24	5541.17	5570.78	2864.62	7861.91	69.32	7487.96	68.04	111.20	PASS	
6025.00†	5683.85	1847.51	456.85	5632.83	5662.44	2864.24	7862.22	69.56	7474.87	68.60	110.09	PASS	
6125.00†	5777.20	1882.34	465.46	5726.16	5755.77	2864.14	7862.51	69.80	7461.95	69.16	109.00	PASS	
6225.00†	5870.54	1917.16	474.07	5823.17	5852.78	2864.63	7862.70	70.05	7449.15	69.74	107.90	PASS	
6325.00†	5963.89	1951.98	482.68	5914.80	5944.41	2865.09	7862.85	70.29	7436.47	70.33	106.80	PASS	
6425.00†	6057.23	1986.81	491.29	5986.47	6016.08	2865.63	7863.08	70.47	7424.10	70.90	105.76	PASS	
6525.00†	6150.57	2021.63	499.90	6084.93	6114.53	2866.79	7863.49	70.73	7412.02	71.51	104.68	PASS	
6625.00†	6243.92	2056.45	508.51	6201.92	6231.51	2867.90	7863.76	71.03	7399.88	72.14	103.58	PASS	
6725.00†	6337.26	2091.28	517.12	6319.56	6349.15	2868.37	7863.68	71.33	7387.55	72.80	102.46	PASS	
6825.00†	6430.61	2126.10	525.73	6409.86	6439.44	2868.86	7863.49	71.57	7375.26	73.44	101.40	PASS	
6925.00†	6523.95	2160.92	534.34	6494.19	6523.78	2869.35	7863.40	71.79	7363.21	74.07	100.36	PASS	
7025.00†	6617.30	2195.75	542.96	6560.76	6590.34	2869.59	7863.49	71.97	7351.53	74.67	99.39	PASS	
7035.17	6626.79	2199.29	543.83	6567.39	6596.98	2869.61	7863.51	71.99	7350.37	74.73	99.29	PASS	
7125.00†	6709.85	2230.27	557.84	6636.55	6666.13	2869.70	7863.89	53.90	7334.10	75.41	98.17	PASS	
7225.00†	6799.11	2263.56	587.92	6729.80	6759.38	2869.83	7864.42	39.86	7301.82	76.62	96.17	PASS	
7325.00†	6882.86	2294.78	632.54	6822.50	6852.08	2870.03	7864.85	30.73	7255.22	77.89	94.00	PASS	
7425.00†	6959.05	2323.17	690.58	6929.47	6959.05	2870.27	7865.05	24.63	7195.30	79.12	91.76	PASS	
7525.00†	7025.79	2348.03	760.63	6996.21	7025.79	2870.27	7865.05	20.08	7123.59	80.28	89.51	PASS	
7625.00†	7081.45	2368.75	840.96	7051.87	7081.45	2870.27	7865.05	16.19	7041.97	81.53	87.12	PASS	
7725.00†	7124.65	2384.81	929.59	7095.07	7124.65	2870.27	7865.05	11.87	6952.43	82.46	85.04	PASS	
7825.00†	7154.32	2395.83	1024.34	7124.74	7154.32	2870.27	7865.05	4.30	6857.15	83.18	83.14	PASS	
7925.00†	7169.75	2401.53	1122.87	7140.17	7169.75	2870.27	7865.05	-25.89	6758.45	83.52	81.61	PASS	
7984.11	7172.00	2402.33	1181.91	7142.42	7172.00	2870.27	7865.05	-94.28	6699.50	83.53	80.88	PASS	
8025.00†	7171.78	2402.22	1222.80	7142.20	7171.78	2870.27	7865.05	-94.26	6658.72	83.50	80.42	PASS	
8125.00†	7171.23	2401.96	1322.80	7141.65	7171.23	2870.27	7865.05	-94.19	6558.99	83.42	79.29	PASS	
8225.00†	7170.69	2401.70	1422.80	7141.11	7170.69	2870.27	7865.05	-94.13	6459.27	83.34	78.16	PASS	
8325.00†	7170.15	2401.44	1522.80	7140.57	7170.15	2870.27	7865.05	-94.06	6359.56	83.27	77.02	PASS	
8425.00†	7169.60	2401.17	1622.79	7140.02	7169.60	2870.27	7865.05	-94.00	6259.86	83.19	75.88	PASS	
8525.00†	7169.06	2400.91	1722.79	7139.48	7169.06	2870.27	7865.05	-93.94	6160.16	83.12	74.74	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. OGILVY 1 AWP Offset Wellpath: EX. OGILVY 1 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7168.51	2400.65	1822.79	7138.93	7168.51	2870.27	7865.05	-93.87	6060.48	83.05	73.60	PASS	
8725.00†	7167.97	2400.39	1922.79	7138.39	7167.97	2870.27	7865.05	-93.81	5960.81	82.98	72.45	PASS	
8825.00†	7167.43	2400.12	2022.79	7137.85	7167.43	2870.27	7865.05	-93.74	5861.15	82.91	71.29	PASS	
8925.00†	7166.88	2399.86	2122.78	7137.30	7166.88	2870.27	7865.05	-93.68	5761.50	82.85	70.14	PASS	
9025.00†	7166.34	2399.60	2222.78	7136.76	7166.34	2870.27	7865.05	-93.62	5661.86	82.79	68.97	PASS	
9125.00†	7165.79	2399.33	2322.78	7136.21	7165.79	2870.27	7865.05	-93.55	5562.24	82.73	67.81	PASS	
9225.00†	7165.25	2399.07	2422.78	7135.67	7165.25	2870.27	7865.05	-93.49	5462.63	82.68	66.63	PASS	
9325.00†	7164.71	2398.81	2522.78	7135.13	7164.71	2870.27	7865.05	-93.42	5363.04	82.63	65.46	PASS	
9425.00†	7164.16	2398.55	2622.78	7134.58	7164.16	2870.27	7865.05	-93.36	5263.46	82.59	64.28	PASS	
9525.00†	7163.62	2398.28	2722.77	7134.04	7163.62	2870.27	7865.05	-93.30	5163.89	82.55	63.09	PASS	
9625.00†	7163.08	2398.02	2822.77	7133.50	7163.08	2870.27	7865.05	-93.23	5064.34	82.52	61.89	PASS	
9725.00†	7162.53	2397.76	2922.77	7132.95	7162.53	2870.27	7865.05	-93.17	4964.82	82.50	60.69	PASS	
9825.00†	7161.99	2397.50	3022.77	7132.41	7161.99	2870.27	7865.05	-93.10	4865.31	82.48	59.49	PASS	
9925.00†	7161.44	2397.23	3122.77	7131.86	7161.44	2870.27	7865.05	-93.04	4765.82	82.48	58.27	PASS	
10025.00†	7160.90	2396.97	3222.76	7131.32	7160.90	2870.27	7865.05	-92.98	4666.35	82.48	57.05	PASS	
10125.00†	7160.36	2396.71	3322.76	7130.78	7160.36	2870.27	7865.05	-92.91	4566.91	82.50	55.83	PASS	
10225.00†	7159.81	2396.45	3422.76	7130.23	7159.81	2870.27	7865.05	-92.85	4467.49	82.53	54.59	PASS	
10325.00†	7159.27	2396.18	3522.76	7129.69	7159.27	2870.27	7865.05	-92.78	4368.09	82.58	53.35	PASS	
10425.00†	7158.72	2395.92	3622.76	7129.14	7158.72	2870.27	7865.05	-92.72	4268.73	82.64	52.09	PASS	
10525.00†	7158.18	2395.66	3722.76	7128.60	7158.18	2870.27	7865.05	-92.66	4169.40	82.72	50.83	PASS	
10625.00†	7157.64	2395.39	3822.75	7128.06	7157.64	2870.27	7865.05	-92.59	4070.09	82.83	49.55	PASS	
10725.00†	7157.09	2395.13	3922.75	7127.51	7157.09	2870.27	7865.05	-92.53	3970.83	82.96	48.27	PASS	
10825.00†	7156.55	2394.87	4022.75	7126.97	7156.55	2870.27	7865.05	-92.46	3871.60	83.11	46.97	PASS	
10925.00†	7156.01	2394.61	4122.75	7126.42	7156.01	2870.27	7865.05	-92.40	3772.41	83.30	45.67	PASS	
11025.00†	7155.46	2394.34	4222.75	7125.88	7155.46	2870.27	7865.05	-92.34	3673.27	83.52	44.35	PASS	
11125.00†	7154.92	2394.08	4322.74	7125.34	7154.92	2870.27	7865.05	-92.27	3574.17	83.79	43.01	PASS	
11225.00†	7154.37	2393.82	4422.74	7124.79	7154.37	2870.27	7865.05	-92.21	3475.12	84.09	41.67	PASS	
11325.00†	7153.83	2393.56	4522.74	7124.25	7153.83	2870.27	7865.05	-92.14	3376.13	84.45	40.31	PASS	
11425.00†	7153.29	2393.29	4622.74	7123.71	7153.29	2870.27	7865.05	-92.08	3277.21	84.87	38.93	PASS	
11525.00†	7152.74	2393.03	4722.74	7123.16	7152.74	2870.27	7865.05	-92.02	3178.35	85.36	37.54	PASS	
11625.00†	7152.20	2392.77	4822.74	7122.62	7152.20	2870.27	7865.05	-91.95	3079.56	85.92	36.13	PASS	
11725.00†	7151.65	2392.51	4922.73	7122.07	7151.65	2870.27	7865.05	-91.89	2980.85	86.57	34.71	PASS	
11825.00†	7151.11	2392.24	5022.73	7121.53	7151.11	2870.27	7865.05	-91.82	2882.24	87.31	33.27	PASS	
11925.00†	7150.57	2391.98	5122.73	7120.99	7150.57	2870.27	7865.05	-91.76	2783.72	88.17	31.82	PASS	
12025.00†	7150.02	2391.72	5222.73	7120.44	7150.02	2870.27	7865.05	-91.70	2685.31	89.15	30.35	PASS	
12125.00†	7149.48	2391.45	5322.73	7119.90	7149.48	2870.27	7865.05	-91.63	2587.02	90.28	28.87	PASS	
12225.00†	7148.93	2391.19	5422.72	7119.35	7148.93	2870.27	7865.05	-91.57	2488.87	91.58	27.38	PASS	
12325.00†	7148.39	2390.93	5522.72	7118.81	7148.39	2870.27	7865.05	-91.50	2390.87	93.07	25.88	PASS	
12425.00†	7147.85	2390.67	5622.72	7118.27	7147.85	2870.27	7865.05	-91.44	2293.05	94.77	24.37	PASS	
12525.00†	7147.30	2390.40	5722.72	7117.72	7147.30	2870.27	7865.05	-91.37	2195.42	96.73	22.86	PASS	
12625.00†	7146.76	2390.14	5822.72	7117.18	7146.76	2870.27	7865.05	-91.31	2098.01	98.98	21.34	PASS	
12725.00†	7146.22	2389.88	5922.72	7116.64	7146.22	2870.27	7865.05	-91.25	2000.86	101.57	19.83	PASS	
12825.00†	7145.67	2389.62	6022.71	7116.09	7145.67	2870.27	7865.05	-91.18	1904.00	104.54	18.33	PASS	
12925.00†	7145.13	2389.35	6122.71	7115.55	7145.13	2870.27	7865.05	-91.12	1807.49	107.96	16.85	PASS	
13025.00†	7144.58	2389.09	6222.71	7115.00	7144.58	2870.27	7865.05	-91.05	1711.38	111.91	15.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	7114.46	7144.04	2870.27	7865.05	-90.99	1615.74	116.47	13.95	PASS	
13225.00†	7143.50	2388.57	6422.71	7113.92	7143.50	2870.27	7865.05	-90.93	1520.66	121.75	12.56	PASS	
13325.00†	7142.95	2388.30	6522.70	7113.37	7142.95	2870.27	7865.05	-90.86	1426.25	127.88	11.21	PASS	
13425.00†	7142.41	2388.04	6622.70	7112.83	7142.41	2870.27	7865.05	-90.80	1332.66	135.03	9.92	PASS	
13525.00†	7141.86	2387.78	6722.70	7112.28	7141.86	2870.27	7865.05	-90.73	1240.07	143.39	8.69	PASS	
13625.00†	7141.32	2387.51	6822.70	7111.74	7141.32	2870.27	7865.05	-90.67	1148.72	153.19	7.53	PASS	
13725.00†	7140.78	2387.25	6922.70	7111.20	7140.78	2870.27	7865.05	-90.60	1058.93	164.74	6.45	PASS	
13825.00†	7140.23	2386.99	7022.70	7110.65	7140.23	2870.27	7865.05	-90.54	971.15	178.40	5.46	PASS	
13925.00†	7139.69	2386.73	7122.69	7110.11	7139.69	2870.27	7865.05	-90.48	885.95	194.57	4.57	PASS	
14025.00†	7139.14	2386.46	7222.69	7109.56	7139.14	2870.27	7865.05	-90.41	804.17	213.72	3.77	PASS	
14125.00†	7138.60	2386.20	7322.69	7109.02	7138.60	2870.27	7865.05	-90.35	726.97	236.23	3.08	PASS	
14225.00†	7138.06	2385.94	7422.69	7108.48	7138.06	2870.27	7865.05	-90.28	655.95	262.24	2.51	PASS	
14325.00†	7137.51	2385.68	7522.69	7107.93	7137.51	2870.27	7865.05	-90.22	593.34	291.22	2.04	PASS	
14425.00†	7136.97	2385.41	7622.68	7107.39	7136.97	2870.27	7865.05	-90.16	542.06	321.26	1.69	PASS	
14525.00†	7136.43	2385.15	7722.68	7106.85	7136.43	2870.27	7865.05	-90.09	505.58	348.45	1.45	PASS	
14625.00†	7135.88	2384.89	7822.68	7106.30	7135.88	2870.27	7865.05	-90.03	487.23	367.35	1.33	PASS	
14666.81†	7135.65	2384.78	7864.49	7104.89	7134.47	2870.27	7865.05	-89.86	485.50	371.59	1.31	PASS	
14690.75†	7135.52	2384.72	7888.43	7105.94	7135.52	2870.27	7865.05	-89.98	486.12	372.92	1.30	PASS	
14725.00†	7135.34	2384.63	7922.68	7105.76	7135.34	2870.27	7865.05	-89.96	489.06	373.43	1.31	PASS	
14825.00†	7134.79	2384.36	8022.68	7105.21	7134.79	2870.27	7865.05	-89.90	510.84	366.25	1.40	PASS	
14925.00†	7134.25	2384.10	8122.68	7104.67	7134.25	2870.27	7865.05	-89.83	550.21	349.49	1.58	PASS	
15025.00†	7133.71	2383.84	8222.67	7104.13	7133.71	2870.27	7865.05	-89.77	603.75	328.12	1.84	PASS	
15125.00†	7133.16	2383.57	8322.67	7103.58	7133.16	2870.27	7865.05	-89.71	668.05	305.96	2.19	PASS	
15225.00†	7132.62	2383.31	8422.67	7103.04	7132.62	2870.27	7865.05	-89.64	740.32	285.11	2.60	PASS	
15325.00†	7132.07	2383.05	8522.67	7102.49	7132.07	2870.27	7865.05	-89.58	818.44	266.44	3.08	PASS	
15338.67	7132.00	2383.01	8536.34	7102.42	7132.00	2870.27	7865.05	-89.57	829.49	264.07	3.15	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)	YES 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14273.55	6985.69	1748.35	-2.55	-0.08	7176.90	133.13	54.28	PASS	
125.00†	125.00	0.00	0.00	14273.78	6985.69	1748.34	-2.32	-0.08	7079.95	134.40	53.03	PASS	
200.00	200.00	0.00	0.00	14273.95	6985.69	1748.34	-2.15	-0.07	7007.30	135.00	52.25	PASS	
225.00†	225.00	0.11	0.03	14274.02	6985.69	1748.34	-2.08	-14.44	6983.07	135.20	51.99	PASS	
325.00†	324.96	2.65	0.65	14274.58	6985.69	1748.33	-1.52	-16.72	6885.69	135.97	50.98	PASS	
425.00†	424.77	8.57	2.12	14275.57	6985.69	1748.32	-0.53	-19.78	6787.67	136.66	50.00	PASS	
525.00†	524.30	17.88	4.42	14277.01	6985.70	1748.30	0.91	-24.09	6689.10	137.27	49.05	PASS	
625.00†	623.44	30.55	7.55	14278.89	6985.71	1748.27	2.79	-30.51	6590.07	137.80	48.14	PASS	
725.00†	722.07	46.57	11.52	14281.23	6985.72	1748.25	5.13	-40.75	6490.69	138.22	47.27	PASS	
825.00†	820.05	65.92	16.30	14284.04	6985.73	1748.22	7.94	-57.95	6391.07	138.55	46.43	PASS	
925.00†	917.29	88.58	21.90	14287.32	6985.74	1748.18	11.22	-84.71	6291.31	138.76	45.63	PASS	
1025.00†	1013.64	114.52	28.32	14291.08	6985.76	1748.15	14.98	-113.80	6191.53	138.87	44.88	PASS	
1125.00†	1109.01	143.71	35.54	14295.35	6985.78	1748.13	19.25	-134.31	6091.86	138.85	44.16	PASS	
1225.00†	1203.27	176.12	43.55	14300.14	6985.80	1748.11	24.04	-146.56	5992.42	138.72	43.48	PASS	
1251.08	1227.65	185.09	45.77	14301.47	6985.80	1748.10	25.37	-148.86	5966.55	138.66	43.31	PASS	
1325.00†	1296.66	210.83	52.13	14305.34	6985.82	1748.10	29.24	-149.07	5893.24	138.48	42.83	PASS	
1425.00†	1390.00	245.65	60.74	14310.65	6985.84	1748.10	34.55	-149.36	5794.09	138.24	42.19	PASS	
1525.00†	1483.35	280.48	69.36	14316.06	6985.87	1748.11	39.96	-149.66	5694.96	137.99	41.54	PASS	
1625.00†	1576.69	315.30	77.97	14322.15	6985.89	1748.14	46.05	-149.99	5595.85	137.75	40.89	PASS	
1725.00†	1670.04	350.12	86.58	14328.62	6985.92	1748.17	52.52	-150.35	5496.76	137.50	40.24	PASS	
1825.00†	1763.38	384.95	95.19	14335.17	6985.96	1748.20	59.07	-150.72	5397.69	137.03	39.59	PASS	
1925.00†	1856.72	419.77	103.80	14341.79	6986.00	1748.23	65.69	-151.10	5298.65	136.75	38.94	PASS	
2025.00†	1950.07	454.59	112.41	14348.48	6986.04	1748.27	72.38	-151.49	5199.64	136.47	38.30	PASS	
2125.00†	2043.41	489.42	121.02	14355.24	6986.09	1748.31	79.14	-151.88	5100.64	136.17	37.65	PASS	
2225.00†	2136.76	524.24	129.63	14362.08	6986.14	1748.35	85.98	-152.29	5001.68	135.86	37.00	PASS	
2325.00†	2230.10	559.06	138.24	14369.00	6986.19	1748.39	92.90	-152.71	4902.75	135.54	36.36	PASS	
2425.00†	2323.45	593.89	146.85	14375.99	6986.25	1748.43	99.89	-153.13	4803.84	135.20	35.71	PASS	
2525.00†	2416.79	628.71	155.46	14383.07	6986.31	1748.48	106.96	-153.57	4704.97	134.85	35.07	PASS	
2625.00†	2510.14	663.53	164.08	14390.22	6986.38	1748.52	114.12	-154.01	4606.13	134.49	34.43	PASS	
2725.00†	2603.48	698.35	172.69	14397.46	6986.45	1748.57	121.35	-154.47	4507.33	134.11	33.78	PASS	
2825.00†	2696.83	733.18	181.30	14404.78	6986.52	1748.62	128.67	-154.94	4408.56	133.71	33.14	PASS	
2925.00†	2790.17	768.00	189.91	14414.20	6986.62	1748.69	138.09	-155.55	4309.83	133.32	32.49	PASS	
3025.00†	2883.51	802.82	198.52	14425.18	6986.74	1748.78	149.07	-156.27	4211.14	132.93	31.84	PASS	
3125.00†	2976.86	837.65	207.13	14436.14	6986.84	1748.89	160.03	-157.01	4112.49	132.52	31.19	PASS	
3225.00†	3070.20	872.47	215.74	14447.07	6986.94	1749.00	170.96	-157.76	4013.87	132.09	30.55	PASS	
3325.00†	3163.55	907.29	224.35	14457.98	6987.04	1749.13	181.87	-158.52	3915.30	131.63	29.90	PASS	
3425.00†	3256.89	942.12	232.96	14468.87	6987.13	1749.27	192.76	-159.29	3816.77	131.15	29.26	PASS	
3525.00†	3350.24	976.94	241.57	14479.73	6987.21	1749.43	203.62	-160.07	3718.30	130.63	28.61	PASS	
3625.00†	3443.58	1011.76	250.18	14490.58	6987.29	1749.59	214.46	-160.87	3619.88	130.09	27.97	PASS	
3725.00†	3536.93	1046.58	258.80	14500.78	6987.35	1749.75	224.66	-161.63	3521.51	129.52	27.33	PASS	
3825.00†	3630.27	1081.41	267.41	14509.63	6987.41	1749.89	233.51	-162.31	3423.22	128.89	26.70	PASS	
3925.00†	3723.62	1116.23	276.02	14518.49	6987.48	1750.01	242.37	-162.99	3325.00	128.23	26.07	PASS	
4025.00†	3816.96	1151.05	284.63	14527.36	6987.55	1750.13	251.24	-163.68	3226.86	127.54	25.44	PASS	
4125.00†	3910.30	1185.88	293.24	14536.23	6987.63	1750.23	260.11	-164.39	3128.82	126.81	24.81	PASS	
4225.00†	4003.65	1220.70	301.85	14545.12	6987.71	1750.32	269.00	-165.11	3030.87	126.05	24.18	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	14554.02	6987.79	1750.40	277.89	-165.83	2933.03	125.25	23.55	PASS	
4425.00†	4190.34	1290.35	319.07	14562.92	6987.88	1750.46	286.80	-166.57	2835.31	124.41	22.92	PASS	
4525.00†	4283.68	1325.17	327.68	14571.83	6987.98	1750.52	295.71	-167.32	2737.73	123.54	22.28	PASS	
4625.00†	4377.03	1359.99	336.29	14580.76	6988.08	1750.56	304.63	-168.08	2640.29	122.63	21.65	PASS	
4725.00†	4470.37	1394.82	344.90	14591.06	6988.20	1750.60	314.94	-168.97	2543.02	121.71	21.01	PASS	
4825.00†	4563.72	1429.64	353.52	14604.36	6988.34	1750.65	328.23	-170.14	2445.91	120.79	20.36	PASS	
4925.00†	4657.06	1464.46	362.13	14617.33	6988.46	1750.71	341.21	-171.30	2349.00	119.85	19.71	PASS	
5025.00†	4750.41	1499.28	370.74	14630.00	6988.55	1750.78	353.88	-172.45	2252.30	118.92	19.05	PASS	
5125.00†	4843.75	1534.11	379.35	14642.38	6988.63	1750.86	366.25	-173.59	2155.84	118.00	18.37	PASS	
5225.00†	4937.10	1568.93	387.96	14654.47	6988.69	1750.94	378.34	-174.72	2059.67	117.12	17.69	PASS	
5325.00†	5030.44	1603.75	396.57	14666.29	6988.73	1751.02	390.16	-175.83	1963.83	116.34	16.98	PASS	
5425.00†	5123.78	1638.58	405.18	14677.34	6988.75	1751.11	401.21	-176.89	1868.36	115.70	16.24	PASS	
5525.00†	5217.13	1673.40	413.79	14685.69	6988.77	1751.17	409.56	-177.70	1773.35	115.28	15.47	PASS	
5625.00†	5310.47	1708.22	422.40	14694.02	6988.79	1751.22	417.90	-178.51	1678.87	115.20	14.66	PASS	
5725.00†	5403.82	1743.05	431.01	14702.35	6988.81	1751.26	426.22	-179.33	1585.02	115.61	13.79	PASS	
5825.00†	5497.16	1777.87	439.62	14710.67	6988.84	1751.29	434.54	-179.85	1491.92	116.71	12.86	PASS	
5925.00†	5590.51	1812.69	448.24	14718.98	6988.87	1751.31	442.86	-179.02	1399.72	118.77	11.85	PASS	
6025.00†	5683.85	1847.51	456.85	14727.29	6988.90	1751.31	451.16	-178.19	1308.60	122.13	10.77	PASS	
6125.00†	5777.20	1882.34	465.46	14735.58	6988.94	1751.31	459.45	-177.36	1218.82	127.22	9.63	PASS	
6225.00†	5870.54	1917.16	474.07	14743.87	6988.98	1751.29	467.74	-176.52	1130.69	134.55	8.44	PASS	
6325.00†	5963.89	1951.98	482.68	14752.15	6989.03	1751.26	476.02	-175.67	1044.63	144.70	7.25	PASS	
6425.00†	6057.23	1986.81	491.29	14760.42	6989.07	1751.22	484.29	-174.82	961.19	158.32	6.09	PASS	
6525.00†	6150.57	2021.63	499.90	14768.85	6989.13	1751.17	492.72	-173.96	881.12	176.08	5.02	PASS	
6625.00†	6243.92	2056.45	508.51	14777.61	6989.19	1751.11	501.48	-173.05	805.42	198.60	4.07	PASS	
6725.00†	6337.26	2091.28	517.12	14786.36	6989.24	1751.05	510.22	-172.15	735.44	226.33	3.26	PASS	
6825.00†	6430.61	2126.10	525.73	14795.08	6989.30	1750.98	518.95	-171.24	672.98	259.21	2.60	PASS	
6925.00†	6523.95	2160.92	534.34	14803.80	6989.36	1750.91	527.67	-170.34	620.29	296.24	2.10	PASS	
7025.00†	6617.30	2195.75	542.96	14812.49	6989.42	1750.84	536.36	-169.43	580.06	334.83	1.73	PASS	
7035.17	6626.79	2199.29	543.83	14813.38	6989.43	1750.83	537.25	-169.34	576.77	338.69	1.70	PASS	
7125.00†	6709.85	2230.27	557.84	14827.26	6989.53	1750.70	551.13	-151.77	555.20	370.60	1.50	PASS	
7225.50†	6796.94	2262.75	586.99	14856.00	6989.74	1750.39	579.86	-135.87	547.48	397.97	1.38	PASS	
7225.00†	6799.11	2263.56	587.92	14856.81	6989.74	1750.38	580.68	-135.51	547.49	398.54	1.37	PASS	
7325.00†	6882.86	2294.78	632.54	14907.44	6990.19	1750.09	631.30	-121.16	555.16	416.51	1.33	PASS	
7340.61†	6895.30	2299.41	640.74	14916.84	6990.29	1750.09	640.70	-119.06	557.47	418.44	1.33	PASS	
7425.00†	6959.05	2323.17	690.58	14973.83	6990.96	1750.53	697.68	-108.25	573.57	425.52	1.35	PASS	
7525.00†	7025.79	2348.03	760.63	15054.55	6992.15	1752.20	778.38	-96.86	597.04	428.98	1.39	PASS	
7625.00†	7081.45	2368.75	840.96	15142.36	6992.88	1755.58	866.11	-87.69	620.05	429.93	1.44	PASS	
7725.00†	7124.65	2384.81	929.59	15220.34	6993.31	1757.86	944.06	-81.42	640.72	430.09	1.49	PASS	
7825.00†	7154.32	2395.83	1024.34	15230.00	6993.37	1758.08	953.72	-78.47	661.53	424.33	1.56	PASS	
7925.00†	7169.75	2401.53	1122.87	15230.00	6993.37	1758.08	953.72	-75.89	688.30	412.48	1.67	PASS	
7984.11	7172.00	2402.33	1181.91	15230.00	6993.37	1758.08	953.72	-74.42	706.43	403.43	1.75	PASS	
8025.00†	7171.78	2402.22	1222.80	15230.00	6993.37	1758.08	953.72	-74.42	720.53	396.34	1.82	PASS	
8125.00†	7171.23	2401.96	1322.80	15230.00	6993.37	1758.08	953.72	-74.42	763.18	376.74	2.03	PASS	
8225.00†	7170.69	2401.70	1422.80	15230.00	6993.37	1758.08	953.72	-74.42	815.92	355.59	2.30	PASS	
8325.00†	7170.15	2401.44	1522.80	15230.00	6993.37	1758.08	953.72	-74.42	876.93	334.45	2.63	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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†	7169.60	2401.17	1622.79	15230.00	6993.37	1758.08	953.72	74.42	944.61	314.32	3.01	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	740.04	-4918.57	750.91	-4906.35
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1744.26	740.04	-4918.57	751.25	-4905.91
8.5in Open Hole	1750.00	15230.00	13480.00	1732.40	6993.37	750.91	-4906.35	905.38	-2168.48

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	14254.97	7159.70	3038.47	-389.22	-7.30	7764.52	164.21	47.54	PASS	
125.00†	125.00	0.00	0.00	14255.34	7159.70	3038.51	-388.85	-7.29	7672.73	165.86	46.51	PASS	
200.00	200.00	0.00	0.00	14255.62	7159.71	3038.54	-388.58	-7.29	7604.03	166.84	45.82	PASS	
225.00†	225.00	0.11	0.03	14255.73	7159.71	3038.55	-388.46	-21.59	7581.11	167.17	45.59	PASS	
325.00†	324.96	2.65	0.65	14256.58	7159.71	3038.65	-387.61	-23.42	7488.79	168.46	44.69	PASS	
425.00†	424.77	8.57	2.12	14258.09	7159.72	3038.82	-386.12	-25.54	7395.45	169.71	43.81	PASS	
525.00†	524.30	17.88	4.42	14260.25	7159.74	3039.06	-383.97	-28.03	7301.19	170.91	42.95	PASS	
625.00†	623.44	30.55	7.55	14263.08	7159.76	3039.37	-381.16	-31.00	7206.08	172.04	42.11	PASS	
725.00†	722.07	46.57	11.52	14266.58	7159.79	3039.77	-377.68	-34.55	7110.20	173.10	41.29	PASS	
825.00†	820.05	65.92	16.30	14270.76	7159.82	3040.24	-373.53	-38.87	7013.64	174.09	40.49	PASS	
925.00†	917.29	88.58	21.90	14275.62	7159.86	3040.79	-368.70	-44.15	6916.49	175.01	39.72	PASS	
1025.00†	1013.64	114.52	28.32	14281.17	7159.91	3041.43	-363.18	-50.62	6818.84	175.85	38.97	PASS	
1125.00†	1109.01	143.71	35.54	14287.43	7159.96	3042.15	-356.96	-58.54	6720.79	176.60	38.25	PASS	
1225.00†	1203.27	176.12	43.55	14294.40	7160.02	3042.96	-350.04	-68.01	6622.43	177.27	37.55	PASS	
1251.08	1227.65	185.09	45.77	14296.34	7160.04	3043.19	-348.12	-70.73	6596.75	177.43	37.37	PASS	
1325.00†	1296.66	210.83	52.13	14301.92	7160.10	3043.84	-342.58	-70.55	6523.93	177.87	36.86	PASS	
1425.00†	1390.00	245.65	60.74	14309.55	7160.17	3044.75	-335.01	-70.31	6425.45	178.49	36.18	PASS	
1525.00†	1483.35	280.48	69.36	14317.27	7160.25	3045.67	-327.34	-70.07	6327.00	179.13	35.50	PASS	
1625.00†	1576.69	315.30	77.97	14332.47	7160.42	3047.51	-312.24	-69.57	6228.58	179.98	34.78	PASS	
1725.00†	1670.04	350.12	86.58	14349.70	7160.60	3049.57	-295.14	-69.00	6130.17	180.90	34.05	PASS	
1825.00†	1763.38	384.95	95.19	14366.81	7160.77	3051.60	-278.15	-68.42	6031.77	181.63	33.33	PASS	
1925.00†	1856.72	419.77	103.80	14383.80	7160.94	3053.60	-261.29	-67.83	5933.39	182.56	32.62	PASS	
2025.00†	1950.07	454.59	112.41	14400.66	7161.11	3055.58	-244.54	-67.22	5835.02	183.51	31.92	PASS	
2125.00†	2043.41	489.42	121.02	14517.78	7162.64	3065.97	-127.92	-62.77	5736.47	186.91	30.80	PASS	
2225.00†	2136.76	524.24	129.63	14532.85	7162.85	3067.00	-112.88	-62.15	5637.91	187.84	30.12	PASS	
2325.00†	2230.10	559.06	138.24	14547.75	7163.04	3068.03	-98.02	-61.53	5539.37	188.79	29.45	PASS	
2425.00†	2323.45	593.89	146.85	14562.49	7163.21	3069.07	-83.31	-60.89	5440.85	189.77	28.78	PASS	
2525.00†	2416.79	628.71	155.46	14577.07	7163.36	3070.12	-68.77	-60.25	5342.35	190.77	28.11	PASS	
2625.00†	2510.14	663.53	164.08	14591.22	7163.49	3071.15	-54.66	-59.61	5243.87	191.78	27.44	PASS	
2725.00†	2603.48	698.35	172.69	14604.69	7163.62	3072.11	-41.22	-59.00	5145.43	192.82	26.78	PASS	
2825.00†	2696.83	733.18	181.30	14618.18	7163.77	3073.04	-27.77	-58.37	5047.01	193.88	26.12	PASS	
2925.00†	2790.17	768.00	189.91	14972.09	7161.64	3082.35	325.80	-37.13	4948.17	202.37	24.53	PASS	
3025.00†	2883.51	802.82	198.52	14977.74	7161.61	3082.08	331.44	-36.72	4849.20	203.30	23.93	PASS	
3125.00†	2976.86	837.65	207.13	14983.49	7161.58	3081.79	337.19	-36.30	4750.26	204.27	23.33	PASS	
3225.00†	3070.20	872.47	215.74	14989.35	7161.57	3081.48	343.03	-35.86	4651.37	205.28	22.73	PASS	
3325.00†	3163.55	907.29	224.35	14995.31	7161.57	3081.14	348.98	-35.42	4552.51	206.33	22.14	PASS	
3425.00†	3256.89	942.12	232.96	15001.38	7161.57	3080.78	355.04	-34.97	4453.69	207.42	21.54	PASS	
3525.00†	3350.24	976.94	241.57	15007.57	7161.59	3080.39	361.22	-34.50	4354.91	208.55	20.95	PASS	
3625.00†	3443.58	1011.76	250.18	15013.87	7161.63	3079.98	367.51	-34.02	4256.19	209.73	20.36	PASS	
3725.00†	3536.93	1046.58	258.80	15020.29	7161.67	3079.54	373.92	-33.53	4157.51	210.96	19.77	PASS	
3825.00†	3630.27	1081.41	267.41	15026.84	7161.73	3079.07	380.44	-33.03	4058.89	212.25	19.18	PASS	
3925.00†	3723.62	1116.23	276.02	15033.51	7161.80	3078.56	387.09	-32.52	3960.33	213.59	18.60	PASS	
4025.00†	3816.96	1151.05	284.63	15040.18	7161.88	3078.05	393.74	-32.00	3861.83	214.99	18.02	PASS	
4125.00†	3910.30	1185.88	293.24	15046.86	7161.96	3077.53	400.41	-31.48	3763.39	216.46	17.44	PASS	
4225.00†	4003.65	1220.70	301.85	15053.57	7162.04	3077.02	407.09	-30.95	3665.03	217.99	16.86	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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		
4325.00†	4096.99	1255.52	310.46	15060.28	7162.12	3076.50	413.79	-30.42	3566.74	219.60	16.29	PASS		
4425.00†	4190.34	1290.35	319.07	15067.02	7162.20	3075.98	420.50	-29.88	3468.54	221.30	15.72	PASS		
4525.00†	4283.68	1325.17	327.68	15073.77	7162.29	3075.46	427.23	-29.33	3370.43	223.08	15.15	PASS		
4625.00†	4377.03	1359.99	336.29	15080.54	7162.37	3074.94	433.98	-28.78	3272.42	224.95	14.59	PASS		
4725.00†	4470.37	1394.82	344.90	15087.32	7162.45	3074.42	440.74	-28.23	3174.52	226.93	14.03	PASS		
4825.00†	4563.72	1429.64	353.52	15094.12	7162.54	3073.89	447.52	-27.67	3076.73	229.03	13.47	PASS		
4925.00†	4657.06	1464.46	362.13	15100.94	7162.62	3073.37	454.32	-27.10	2979.08	231.24	12.92	PASS		
5025.00†	4750.41	1499.28	370.74	15107.78	7162.71	3072.85	461.14	-26.53	2881.58	233.59	12.37	PASS		
5125.00†	4843.75	1534.11	379.35	15114.63	7162.80	3072.32	467.97	-25.96	2784.23	236.09	11.83	PASS		
5225.00†	4937.10	1568.93	387.96	15121.50	7162.89	3071.79	474.82	-25.37	2687.06	238.75	11.29	PASS		
5325.00†	5030.44	1603.75	396.57	15128.44	7162.98	3071.26	481.74	-24.78	2590.09	241.58	10.75	PASS		
5425.00†	5123.78	1638.58	405.18	15135.40	7163.06	3070.73	488.67	-24.19	2493.33	244.62	10.22	PASS		
5525.00†	5217.13	1673.40	413.79	15142.34	7163.15	3070.21	495.60	-23.59	2396.82	247.87	9.69	PASS		
5625.00†	5310.47	1708.22	422.40	15149.27	7163.23	3069.68	502.51	-22.99	2300.59	251.36	9.18	PASS		
5725.00†	5403.82	1743.05	431.01	15156.19	7163.32	3069.17	509.40	-22.39	2204.67	255.13	8.66	PASS		
5825.00†	5497.16	1777.87	439.62	15163.09	7163.40	3068.66	516.29	-21.78	2109.11	259.20	8.16	PASS		
5925.00†	5590.51	1812.69	448.24	15169.98	7163.47	3068.15	523.16	-21.18	2013.95	263.61	7.66	PASS		
6025.00†	5683.85	1847.51	456.85	15176.85	7163.55	3067.64	530.01	-20.57	1919.26	268.40	7.17	PASS		
6125.00†	5777.20	1882.34	465.46	15183.71	7163.62	3067.14	536.85	-19.96	1825.11	273.62	6.69	PASS		
6225.00†	5870.54	1917.16	474.07	15190.56	7163.70	3066.65	543.68	-19.35	1731.59	279.32	6.21	PASS		
6325.00†	5963.89	1951.98	482.68	15197.39	7163.77	3066.16	550.49	-18.74	1638.81	285.58	5.75	PASS		
6425.00†	6057.23	1986.81	491.29	15204.21	7163.84	3065.67	557.29	-18.12	1546.89	292.45	5.30	PASS		
6525.00†	6150.57	2021.63	499.90	15211.01	7163.90	3065.19	564.08	-17.51	1456.01	300.03	4.86	PASS		
6625.00†	6243.92	2056.45	508.51	15217.67	7163.97	3064.72	570.72	-16.91	1366.37	308.39	4.44	PASS		
6725.00†	6337.26	2091.28	517.12	15224.32	7164.03	3064.25	577.36	-16.30	1278.22	317.63	4.03	PASS		
6825.00†	6430.61	2126.10	525.73	15231.03	7164.10	3063.78	584.05	-15.69	1191.91	327.83	3.64	PASS		
6925.00†	6523.95	2160.92	534.34	15237.81	7164.17	3063.30	590.81	-15.08	1107.86	339.05	3.27	PASS		
7025.00†	6617.30	2195.75	542.96	15244.65	7164.25	3062.82	597.63	-14.45	1026.63	351.31	2.93	PASS		
7035.17	6626.79	2199.29	543.83	15245.35	7164.25	3062.78	598.33	-14.39	1018.55	352.61	2.89	PASS		
7125.00†	6709.85	2230.27	557.84	15257.58	7164.39	3061.92	610.53	-14.21	949.22	364.62	2.61	PASS		
7225.00†	6799.11	2263.56	567.92	15285.31	7164.73	3060.01	638.19	-61.92	877.80	378.73	2.32	PASS		
7325.00†	6882.86	2294.78	632.54	15331.04	7165.28	3056.85	683.81	-74.59	814.33	392.89	2.07	PASS		
7425.00†	6959.05	2323.17	690.58	15393.08	7165.58	3052.31	745.69	-81.84	759.83	406.30	1.87	PASS		
7525.00†	7025.79	2348.03	760.63	15462.02	7165.43	3047.10	814.42	-85.97	714.91	418.37	1.71	PASS		
7625.00†	7081.45	2368.75	840.96	15536.75	7165.06	3041.57	888.95	-88.08	679.70	428.79	1.59	PASS		
7725.00†	7124.65	2384.81	929.59	15615.00	7164.89	3036.11	967.01	-89.02	653.61	437.64	1.49	PASS		
7825.00†	7154.32	2395.83	1024.34	15615.00	7164.89	3036.11	967.01	-90.96	642.93	442.73	1.45	PASS		
7925.00†	7169.75	2401.53	1122.87	15615.00	7164.89	3036.11	967.01	-90.57	653.46	438.56	1.49	PASS		
7984.11	7172.00	2402.33	1181.91	15615.00	7164.89	3036.11	967.01	-89.25	669.26	432.12	1.55	PASS		
8025.00†	7171.78	2402.22	1222.80	15615.00	7164.89	3036.11	967.01	-89.25	683.59	426.33	1.60	PASS		
8125.00†	7171.23	2401.96	1322.80	15615.00	7164.89	3036.11	967.01	-89.25	727.17	408.98	1.78	PASS		
8225.00†	7170.69	2401.70	1422.80	15615.00	7164.89	3036.11	967.01	-89.25	781.19	389.09	2.01	PASS		
8325.00†	7170.15	2401.44	1522.80	15615.00	7164.89	3036.11	967.01	-89.25	843.65	368.62	2.29	PASS		
8425.00†	7169.60	2401.17	1622.79	15615.00	7164.89	3036.11	967.01	-89.25	912.81	348.79	2.62	PASS		
8525.00†	7169.06	2400.91	1722.79	15615.00	7164.89	3036.11	967.01	-89.25	987.27	330.29	2.99	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	849.78	-4918.71	913.19	-4895.72
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1720.95	849.78	-4918.71	913.19	-4895.72
8.5in Open Hole	1762.00	15615.00	13853.00	1720.95	7164.89	913.19	-4895.72	1349.80	-2164.38

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	42.80	13.80	4031.25	-1927.15	-25.55	4468.22	50.33	90.79	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	-1174.70	2431.85	-1194.42

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	75.13	90.00	75.13	1.56	123.61	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	75.13	90.00	75.13	1.88	80.88	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	75.13	90.00	75.13	2.30	55.54	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	75.13	76.19	75.10	2.44	50.22	PASS	
325.00†	324.96	2.65	0.65	324.75	324.75	0.10	75.17	78.07	74.56	3.05	35.28	PASS	
425.00†	424.77	8.57	2.12	423.88	423.84	2.49	76.11	80.78	74.24	3.73	26.52	PASS	
525.00†	524.30	17.88	4.42	523.13	522.91	8.09	78.30	83.58	74.54	4.46	21.05	PASS	
625.00†	623.44	30.55	7.55	622.50	621.82	16.88	81.75	86.40	75.46	5.25	17.38	PASS	
725.00†	722.07	46.57	11.52	721.97	720.45	28.88	86.46	89.18	77.02	6.18	14.59	PASS	
825.00†	820.05	65.92	16.30	821.56	818.68	44.08	92.42	91.86	79.20	7.28	12.38	PASS	
925.00†	917.29	88.58	21.90	921.25	916.39	62.46	99.63	94.38	82.00	8.59	10.62	PASS	
1025.00†	1013.64	114.52	28.32	1021.05	1013.87	82.37	107.44	97.93	85.40	10.08	9.27	PASS	
1125.00†	1109.01	143.71	35.54	1120.59	1111.10	102.23	115.23	103.34	89.86	11.70	8.28	PASS	
1225.00†	1203.27	176.12	43.55	1219.75	1207.96	122.01	122.99	110.10	96.23	13.39	7.66	PASS	
1251.08	1227.65	185.09	45.77	1245.53	1233.14	127.16	125.00	112.01	98.31	13.80	7.58	PASS	
1325.00†	1296.66	210.83	52.13	1318.56	1304.48	141.73	130.72	117.24	104.94	15.01	7.40	PASS	
1425.00†	1390.00	245.65	60.74	1417.36	1400.98	161.44	138.45	123.31	115.11	16.42	7.38	PASS	
1525.00†	1483.35	280.48	69.36	1516.16	1497.48	181.14	146.18	128.35	126.37	17.71	7.49	PASS	
1625.00†	1576.69	315.30	77.97	1614.95	1593.98	200.85	153.91	132.55	138.44	18.88	7.67	PASS	
1725.00†	1670.04	350.12	86.58	1713.75	1690.48	220.56	161.64	136.07	151.12	19.96	7.90	PASS	
1825.00†	1763.38	384.95	95.19	1812.55	1786.99	240.27	169.37	139.04	164.29	20.13	8.42	PASS	
1925.00†	1856.72	419.77	103.80	1911.34	1883.49	259.98	177.10	141.56	177.82	19.96	9.20	PASS	
2025.00†	1950.07	454.59	112.41	2010.14	1979.99	279.69	184.83	143.72	191.65	19.89	9.96	PASS	
2125.00†	2043.41	489.42	121.02	2108.94	2076.49	299.40	192.56	145.60	205.71	19.92	10.67	PASS	
2225.00†	2136.76	524.24	129.63	2207.74	2172.99	319.11	200.29	147.23	219.96	20.06	11.33	PASS	
2325.00†	2230.10	559.06	138.24	2306.53	2269.49	338.82	208.02	148.66	234.37	20.29	11.93	PASS	
2425.00†	2323.45	593.89	146.85	2405.33	2366.00	358.53	215.75	149.93	248.90	20.62	12.46	PASS	
2525.00†	2416.79	628.71	155.46	2504.13	2462.50	378.24	223.48	151.06	263.53	21.03	12.93	PASS	
2625.00†	2510.14	663.53	164.08	2602.92	2559.00	397.95	231.22	152.07	278.26	21.52	13.34	PASS	
2725.00†	2603.48	698.35	172.69	2701.72	2655.50	417.66	238.95	152.97	293.06	22.07	13.68	PASS	
2825.00†	2696.83	733.18	181.30	2800.52	2752.00	437.37	246.68	153.79	307.93	22.69	13.98	PASS	
2925.00†	2790.17	768.00	189.91	2899.31	2848.51	457.08	254.41	154.54	322.86	23.36	14.22	PASS	
3025.00†	2883.51	802.82	198.52	2998.11	2945.01	476.79	262.14	155.22	337.83	24.09	14.42	PASS	
3125.00†	2976.86	837.65	207.13	3096.91	3041.51	496.50	269.87	155.84	352.84	24.85	14.58	PASS	
3225.00†	3070.20	872.47	215.74	3195.71	3138.01	516.21	277.60	156.41	367.90	25.66	14.72	PASS	
3325.00†	3163.55	907.29	224.35	3294.50	3234.51	535.92	285.33	156.93	382.98	26.50	14.82	PASS	
3425.00†	3256.89	942.12	232.96	3393.30	3331.02	555.62	293.06	157.42	398.10	27.38	14.90	PASS	
3525.00†	3350.24	976.94	241.57	3492.10	3427.52	575.33	300.79	157.87	413.24	28.28	14.96	PASS	
3625.00†	3443.58	1011.76	250.18	3590.89	3524.02	595.04	308.52	158.29	428.40	29.21	15.01	PASS	
3725.00†	3536.93	1046.58	258.80	3689.69	3620.52	614.75	316.25	158.68	443.59	30.16	15.04	PASS	
3825.00†	3630.27	1081.41	267.41	3788.49	3717.02	634.46	323.98	159.04	458.79	31.13	15.06	PASS	
3925.00†	3723.62	1116.23	276.02	3887.28	3813.52	654.17	331.71	159.38	474.01	32.12	15.07	PASS	
4025.00†	3816.96	1151.05	284.63	3986.08	3910.03	673.88	339.44	159.70	489.24	33.13	15.07	PASS	
4125.00†	3910.30	1185.88	293.24	4084.88	4006.53	693.59	347.17	160.00	504.49	34.16	15.06	PASS	
4225.00†	4003.65	1220.70	301.85	4183.67	4103.03	713.30	354.91	160.28	519.76	35.19	15.05	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4282.47	4199.53	733.01	362.64	160.55	535.03	36.24	15.04	PASS	
4425.00†	4190.34	1290.35	319.07	4381.27	4296.03	752.72	370.37	160.80	550.31	37.30	15.02	PASS	
4525.00†	4283.68	1325.17	327.68	4480.07	4392.54	772.43	378.10	161.04	565.61	38.37	15.00	PASS	
4625.00†	4377.03	1359.99	336.29	4578.86	4489.04	792.14	385.83	161.26	580.91	39.45	14.98	PASS	
4725.00†	4470.37	1394.82	344.90	4677.66	4585.54	811.85	393.56	161.48	596.22	40.54	14.95	PASS	
4825.00†	4563.72	1429.64	353.52	4776.46	4682.04	831.56	401.29	161.68	611.54	41.63	14.93	PASS	
4925.00†	4657.06	1464.46	362.13	4875.25	4778.54	851.27	409.02	161.87	626.87	42.73	14.90	PASS	
5025.00†	4750.41	1499.28	370.74	4974.05	4875.05	870.98	416.75	162.06	642.20	43.84	14.87	PASS	
5125.00†	4843.75	1534.11	379.35	5072.85	4971.55	890.69	424.48	162.23	657.54	44.96	14.84	PASS	
5225.00†	4937.10	1568.93	387.96	5171.64	5068.05	910.40	432.21	162.40	672.89	46.08	14.81	PASS	
5325.00†	5030.44	1603.75	396.57	5270.44	5164.55	930.10	439.94	162.56	688.24	47.21	14.79	PASS	
5425.00†	5123.78	1638.58	405.18	5369.24	5261.05	949.81	447.67	162.71	703.59	48.34	14.76	PASS	
5525.00†	5217.13	1673.40	413.79	5468.03	5357.55	969.52	455.40	162.86	718.95	49.47	14.73	PASS	
5625.00†	5310.47	1708.22	422.40	5566.83	5454.06	989.23	463.13	163.00	734.32	50.61	14.70	PASS	
5725.00†	5403.82	1743.05	431.01	5665.63	5550.56	1008.94	470.86	163.14	749.69	51.76	14.67	PASS	
5825.00†	5497.16	1777.87	439.62	5764.43	5647.06	1028.65	478.59	163.26	765.06	52.90	14.64	PASS	
5925.00†	5590.51	1812.69	448.24	5863.22	5743.56	1048.36	486.33	163.39	780.43	54.05	14.62	PASS	
6025.00†	5683.85	1847.51	456.85	5962.02	5840.06	1068.07	494.06	163.51	795.81	55.21	14.59	PASS	
6125.00†	5777.20	1882.34	465.46	6060.82	5936.57	1087.78	501.79	163.62	811.20	56.36	14.56	PASS	
6225.00†	5870.54	1917.16	474.07	6159.61	6033.07	1107.49	509.52	163.73	826.58	57.52	14.54	PASS	
6325.00†	5963.89	1951.98	482.68	6258.41	6129.57	1127.20	517.25	163.84	841.97	58.68	14.51	PASS	
6425.00†	6057.23	1986.81	491.29	6357.21	6226.07	1146.91	524.98	163.94	857.36	59.85	14.49	PASS	
6525.00†	6150.57	2021.63	499.90	6456.00	6322.57	1166.62	532.71	164.04	872.76	61.01	14.46	PASS	
6625.00†	6243.92	2056.45	508.51	6554.29	6418.57	1186.22	540.48	164.13	888.16	62.18	14.44	PASS	
6725.00†	6337.26	2091.28	517.12	6647.43	6508.48	1204.58	555.94	163.69	903.91	63.38	14.41	PASS	
6825.00†	6430.61	2126.10	525.73	6736.58	6591.60	1221.53	583.13	162.48	920.58	64.57	14.40	PASS	
6925.00†	6523.95	2160.92	534.34	6818.82	6664.29	1236.34	618.49	160.75	938.95	65.78	14.42	PASS	
7025.00†	6617.30	2195.75	542.96	6892.55	6725.18	1248.74	658.08	158.73	960.06	66.96	14.48	PASS	
7035.17	6626.79	2199.29	543.83	6899.54	6730.72	1249.86	662.20	158.52	962.40	67.07	14.49	PASS	
7125.00†	6709.85	2230.27	557.84	6960.07	6776.69	1259.21	700.42	136.69	983.75	68.12	14.58	PASS	

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	45.80	69.43	73.03
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.89	0.00	45.80	69.43	73.03
8.5in Open Hole	1750.00	14845.98	13095.98	1725.89	6943.00	69.43	73.03	391.33	2621.50

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 8N-23B-M PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8N-23B-M PWB
1750.00	14845.98	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8N-23B-M PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8N-23B-M PWB Offset Wellpath: TROUDT 8N-23B-M PWP (REV-A.0)	
MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1364.29	7078.99	79.09	7209.25	25.57	293.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	90.15	90.00	90.15	1.56	148.65	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	90.15	90.00	90.15	1.88	97.23	PASS
200.00	200.00	0.00	0.00	200.00	200.00	0.00	90.15	90.00	90.15	2.29	67.05	PASS
225.00†	225.00	0.11	0.03	224.68	224.68	0.10	90.20	76.11	90.17	2.43	60.69	PASS
325.00†	324.96	2.65	0.65	323.39	323.35	2.42	91.25	76.22	90.61	3.12	41.66	PASS
425.00†	424.77	8.57	2.12	422.10	421.88	7.83	93.72	76.47	91.64	3.98	30.10	PASS
525.00†	524.30	17.88	4.42	520.80	520.13	16.34	97.58	76.86	93.26	4.82	23.93	PASS
625.00†	623.44	30.55	7.55	619.48	617.98	27.91	102.84	77.35	95.48	5.72	19.86	PASS
725.00†	722.07	46.57	11.52	718.35	715.54	42.54	109.49	77.97	98.27	6.71	16.92	PASS
825.00†	820.05	65.92	16.30	818.26	813.91	58.40	116.70	79.87	100.86	7.76	14.70	PASS
925.00†	917.29	88.58	21.90	918.00	912.12	74.24	123.89	83.59	103.12	8.94	12.81	PASS
1025.00†	1013.64	114.52	28.32	1017.46	1010.06	90.04	131.07	88.98	105.69	10.28	11.24	PASS
1125.00†	1109.01	143.71	35.54	1116.52	1107.60	105.77	138.22	95.83	109.48	11.83	9.99	PASS
1225.00†	1203.27	176.12	43.55	1215.06	1204.63	121.42	145.33	103.72	115.56	13.43	9.20	PASS
1251.08	1227.65	185.09	45.77	1240.66	1229.83	125.49	147.18	105.88	117.65	13.85	9.06	PASS
1325.00†	1296.66	210.83	52.13	1313.15	1301.22	137.00	152.41	111.82	124.61	15.00	8.81	PASS
1425.00†	1390.00	245.65	60.74	1411.22	1397.78	152.57	159.49	118.81	135.93	16.41	8.74	PASS
1525.00†	1483.35	280.48	69.36	1509.28	1494.34	168.15	166.57	124.68	148.96	17.67	8.86	PASS
1625.00†	1576.69	315.30	77.97	1607.35	1590.90	183.72	173.65	129.58	163.31	18.79	9.11	PASS
1725.00†	1670.04	350.12	86.58	1705.41	1687.46	199.29	180.72	133.68	178.65	19.83	9.42	PASS
1825.00†	1763.38	384.95	95.19	1803.48	1784.02	214.87	187.80	137.12	194.76	19.97	10.08	PASS
1925.00†	1856.72	419.77	103.80	1901.54	1880.58	230.44	194.88	140.03	211.45	19.79	11.04	PASS
2025.00†	1950.07	454.59	112.41	1999.61	1977.15	246.02	201.96	142.52	228.60	19.68	12.01	PASS
2125.00†	2043.41	489.42	121.02	2097.67	2073.71	261.59	209.03	144.66	246.11	19.68	12.93	PASS
2225.00†	2136.76	524.24	129.63	2195.74	2170.27	277.16	216.11	146.51	263.91	19.79	13.79	PASS
2325.00†	2230.10	559.06	138.24	2293.80	2266.83	292.74	223.19	148.13	281.95	20.00	14.58	PASS
2425.00†	2323.45	593.89	146.85	2391.87	2363.39	308.31	230.27	149.56	300.18	20.30	15.28	PASS
2525.00†	2416.79	628.71	155.46	2489.93	2459.95	323.88	237.35	150.82	318.57	20.69	15.91	PASS
2625.00†	2510.14	663.53	164.08	2588.00	2556.52	339.46	244.42	151.94	337.09	21.15	16.46	PASS
2725.00†	2603.48	698.35	172.69	2686.06	2653.08	355.03	251.50	152.95	355.73	21.68	16.93	PASS
2825.00†	2696.83	733.18	181.30	2784.13	2749.64	370.61	258.58	153.86	374.46	22.28	17.33	PASS
2925.00†	2790.17	768.00	189.91	2882.19	2846.20	386.18	265.66	154.68	393.27	22.93	17.67	PASS
3025.00†	2883.51	802.82	198.52	2980.26	2942.76	401.75	272.73	155.42	412.16	23.63	17.95	PASS
3125.00†	2976.86	837.65	207.13	3078.32	3039.32	417.33	279.81	156.10	431.11	24.37	18.19	PASS
3225.00†	3070.20	872.47	215.74	3176.39	3135.88	432.90	286.89	156.73	450.11	25.16	18.38	PASS
3325.00†	3163.55	907.29	224.35	3274.45	3232.45	448.48	293.97	157.30	469.15	25.98	18.54	PASS
3425.00†	3256.89	942.12	232.96	3372.52	3329.01	464.05	301.04	157.83	488.24	26.83	18.66	PASS
3525.00†	3350.24	976.94	241.57	3470.58	3425.57	479.62	308.12	158.32	507.37	27.71	18.76	PASS
3625.00†	3443.58	1011.76	250.18	3568.65	3522.13	495.20	315.20	158.77	526.53	28.62	18.84	PASS
3725.00†	3536.93	1046.58	258.80	3666.71	3618.69	510.77	322.28	159.19	545.72	29.55	18.90	PASS
3825.00†	3630.27	1081.41	267.41	3764.78	3715.25	526.35	329.35	159.59	564.94	30.50	18.94	PASS
3925.00†	3723.62	1116.23	276.02	3862.84	3811.82	541.92	336.43	159.95	584.18	31.47	18.97	PASS
4025.00†	3816.96	1151.05	284.63	3960.91	3908.38	557.49	343.51	160.30	603.44	32.45	18.99	PASS
4125.00†	3910.30	1185.88	293.24	4058.97	4004.94	573.07	350.59	160.62	622.72	33.46	18.99	PASS
4225.00†	4003.65	1220.70	301.85	4157.04	4101.50	588.64	357.66	160.92	642.02	34.47	19.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4255.10	4198.06	604.21	364.74	161.21	661.33	35.49	18.99	PASS	
4425.00†	4190.34	1290.35	319.07	4353.17	4294.62	619.79	371.82	161.48	680.67	36.53	18.98	PASS	
4525.00†	4283.68	1325.17	327.68	4451.24	4391.18	635.36	378.90	161.73	700.01	37.58	18.97	PASS	
4625.00†	4377.03	1359.99	336.29	4549.30	4487.75	650.94	385.98	161.97	719.37	38.64	18.95	PASS	
4725.00†	4470.37	1394.82	344.90	4647.37	4584.31	666.51	393.05	162.20	738.73	39.70	18.93	PASS	
4825.00†	4563.72	1429.64	353.52	4745.43	4680.87	682.08	400.13	162.42	758.11	40.77	18.90	PASS	
4925.00†	4657.06	1464.46	362.13	4843.50	4777.43	697.66	407.21	162.62	777.50	41.85	18.88	PASS	
5025.00†	4750.41	1499.28	370.74	4941.56	4873.99	713.23	414.29	162.82	796.90	42.94	18.85	PASS	
5125.00†	4843.75	1534.11	379.35	5039.63	4970.55	728.81	421.36	163.00	816.31	44.03	18.83	PASS	
5225.00†	4937.10	1568.93	387.96	5137.69	5067.12	744.38	428.44	163.18	835.72	45.13	18.80	PASS	
5325.00†	5030.44	1603.75	396.57	5235.76	5163.68	759.95	435.52	163.35	855.14	46.23	18.77	PASS	
5425.00†	5123.78	1638.58	405.18	5333.82	5260.24	775.53	442.60	163.51	874.57	47.34	18.74	PASS	
5525.00†	5217.13	1673.40	413.79	5431.89	5356.80	791.10	449.67	163.67	894.01	48.45	18.71	PASS	
5625.00†	5310.47	1708.22	422.40	5529.95	5453.36	806.68	456.75	163.82	913.45	49.57	18.68	PASS	
5725.00†	5403.82	1743.05	431.01	5628.02	5549.92	822.25	463.83	163.96	932.89	50.69	18.65	PASS	
5825.00†	5497.16	1777.87	439.62	5726.08	5646.48	837.82	470.91	164.09	952.35	51.81	18.62	PASS	
5925.00†	5590.51	1812.69	448.24	5824.15	5743.05	853.40	477.98	164.22	971.80	52.94	18.59	PASS	
6025.00†	5683.85	1847.51	456.85	5922.21	5839.61	868.97	485.06	164.35	991.26	54.07	18.56	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1731.37	0.00	54.96	62.90	83.54
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.37	0.00	54.96	62.90	83.54
8.5in Open Hole	1750.00	14980.82	13230.82	1731.37	7139.00	62.90	83.54	323.15	2625.42

SURVEY PROGRAM - Offset Wellbore: TROUDT 40C-23-M PWB (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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	14327.35	7067.96	3255.45	-261.21	-4.59	7763.34	174.48	44.72	PASS	
125.00†	125.00	0.00	0.00	14327.45	7067.96	3255.46	-261.10	-4.69	7672.74	176.23	43.76	PASS	
200.00	200.00	0.00	0.00	14327.54	7067.96	3255.47	-261.02	-4.58	7604.94	177.30	43.11	PASS	
225.00†	225.00	0.11	0.03	14327.58	7067.96	3255.47	-260.98	-18.81	7582.33	177.66	42.89	PASS	
325.00†	324.96	2.65	0.65	14328.10	7067.96	3255.51	-260.46	-20.29	7491.15	179.08	42.04	PASS	
425.00†	424.77	8.57	2.12	14329.17	7067.97	3255.59	-259.40	-21.99	7398.89	180.45	41.21	PASS	
525.00†	524.30	17.88	4.42	14330.80	7067.97	3255.71	-257.77	-23.98	7305.61	181.77	40.39	PASS	
625.00†	623.44	30.55	7.55	14333.01	7067.98	3255.88	-255.56	-26.32	7211.38	183.02	39.60	PASS	
725.00†	722.07	46.57	11.52	14335.80	7067.99	3256.09	-252.78	-29.11	7116.29	184.21	38.82	PASS	
825.00†	820.05	65.92	16.30	14339.19	7068.00	3256.34	-249.40	-32.47	7020.41	185.32	38.07	PASS	
925.00†	917.29	88.58	21.90	14343.19	7068.02	3256.64	-245.42	-36.56	6923.84	186.35	37.33	PASS	
1025.00†	1013.64	114.52	28.32	14347.79	7068.04	3256.99	-240.82	-41.61	6826.66	187.31	36.62	PASS	
1125.00†	1109.01	143.71	35.54	14353.02	7068.07	3257.38	-235.61	-47.88	6728.95	188.18	35.93	PASS	
1225.00†	1203.27	176.12	43.55	14358.87	7068.11	3257.82	-229.77	-55.66	6630.83	188.96	35.26	PASS	
1251.08	1227.65	185.09	45.77	14360.50	7068.12	3257.94	-228.15	-57.96	6605.19	189.15	35.09	PASS	
1325.00†	1296.66	210.83	52.13	14365.21	7068.16	3258.29	-223.45	-57.79	6532.47	189.68	34.60	PASS	
1425.00†	1390.00	245.65	60.74	14371.66	7068.21	3258.78	-217.02	-57.56	6434.14	190.42	33.95	PASS	
1525.00†	1483.35	280.48	69.36	14378.21	7068.27	3259.27	-210.49	-57.31	6335.84	191.18	33.30	PASS	
1625.00†	1576.69	315.30	77.97	14384.86	7068.35	3259.76	-203.85	-57.07	6237.59	191.96	32.65	PASS	
1725.00†	1670.04	350.12	86.58	14391.62	7068.42	3260.27	-197.12	-56.82	6139.38	192.77	31.99	PASS	
1825.00†	1763.38	384.95	95.19	14398.49	7068.51	3260.78	-190.27	-56.56	6041.22	193.41	31.35	PASS	
1925.00†	1856.72	419.77	103.80	14405.46	7068.61	3261.30	-183.32	-56.29	5943.10	194.25	30.70	PASS	
2025.00†	1950.07	454.59	112.41	14411.77	7068.70	3261.77	-177.02	-56.05	5845.03	195.10	30.06	PASS	
2125.00†	2043.41	489.42	121.02	14416.77	7068.77	3262.16	-172.04	-55.86	5747.02	195.94	29.43	PASS	
2225.00†	2136.76	524.24	129.63	14421.83	7068.84	3262.58	-167.00	-55.67	5649.06	196.82	28.80	PASS	
2325.00†	2230.10	559.06	138.24	14426.95	7068.91	3263.02	-161.90	-55.47	5551.17	197.72	28.17	PASS	
2425.00†	2323.45	593.89	146.85	14432.11	7068.97	3263.49	-156.76	-55.26	5453.34	198.66	27.55	PASS	
2525.00†	2416.79	628.71	155.46	14437.34	7069.03	3263.98	-151.56	-55.05	5355.58	199.63	26.92	PASS	
2625.00†	2510.14	663.53	164.08	14442.62	7069.08	3264.51	-146.30	-54.84	5257.89	200.63	26.30	PASS	
2725.00†	2603.48	698.35	172.69	14447.96	7069.13	3265.06	-140.99	-54.63	5160.27	201.68	25.67	PASS	
2825.00†	2696.83	733.18	181.30	14453.35	7069.18	3265.64	-135.63	-54.41	5062.73	202.76	25.05	PASS	
2925.00†	2790.17	768.00	189.91	14458.81	7069.22	3266.26	-130.21	-54.18	4965.28	203.89	24.43	PASS	
3025.00†	2883.51	802.82	198.52	14759.67	7070.99	3284.81	-169.65	-40.11	4867.86	212.51	22.98	PASS	
3125.00†	2976.86	837.65	207.13	14771.31	7071.16	3284.66	-181.29	-39.51	4769.89	213.87	22.37	PASS	
3225.00†	3070.20	872.47	215.74	14788.45	7071.40	3284.41	-198.42	-38.60	4671.97	215.39	21.76	PASS	
3325.00†	3163.55	907.29	224.35	14805.00	7071.60	3284.17	-214.97	-37.71	4574.11	216.94	21.15	PASS	
3425.00†	3256.89	942.12	232.96	14820.99	7071.78	3283.92	-230.96	-36.83	4476.32	218.54	20.55	PASS	
3525.00†	3350.24	976.94	241.57	14836.46	7071.93	3283.67	-246.42	-35.98	4378.58	220.19	19.95	PASS	
3625.00†	3443.58	1011.76	250.18	14851.42	7072.05	3283.42	-261.38	-35.14	4280.93	221.88	19.35	PASS	
3725.00†	3536.93	1046.58	258.80	14862.69	7072.13	3283.23	-272.65	-34.50	4183.35	223.57	18.77	PASS	
3825.00†	3630.27	1081.41	267.41	14871.89	7072.20	3283.06	-281.85	-33.97	4085.87	225.28	18.19	PASS	
3925.00†	3723.62	1116.23	276.02	14881.09	7072.27	3282.89	-291.05	-33.44	3988.50	227.06	17.62	PASS	
4025.00†	3816.96	1151.05	284.63	14890.30	7072.34	3282.72	-300.25	-32.91	3891.24	228.92	17.05	PASS	
4125.00†	3910.30	1185.88	293.24	14899.51	7072.41	3282.53	-309.46	-32.37	3794.10	230.87	16.48	PASS	
4225.00†	4003.65	1220.70	301.85	14908.72	7072.49	3282.35	-318.68	-31.83	3697.09	232.90	15.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	14917.94	7072.57	3282.15	327.89	-31.28	3600.22	235.03	15.36	PASS	
4425.00†	4190.34	1290.35	319.07	14927.17	7072.65	3281.95	337.11	-30.73	3503.50	237.26	14.81	PASS	
4525.00†	4283.68	1325.17	327.68	14936.39	7072.74	3281.74	346.34	-30.17	3406.95	239.60	14.26	PASS	
4625.00†	4377.03	1359.99	336.29	14945.62	7072.82	3281.53	355.57	-29.62	3310.59	242.06	13.71	PASS	
4725.00†	4470.37	1394.82	344.90	14954.35	7072.91	3281.32	364.29	-29.09	3214.42	244.64	13.17	PASS	
4825.00†	4563.72	1429.64	353.52	14962.97	7072.99	3281.12	372.91	-28.56	3118.46	247.35	12.64	PASS	
4925.00†	4657.06	1464.46	362.13	14971.58	7073.07	3280.93	381.52	-28.03	3022.75	250.22	12.11	PASS	
5025.00†	4750.41	1499.28	370.74	14980.18	7073.14	3280.73	390.11	-27.50	2927.29	253.25	11.59	PASS	
5125.00†	4843.75	1534.11	379.35	14988.77	7073.22	3280.54	398.70	-26.96	2832.13	256.45	11.07	PASS	
5225.00†	4937.10	1568.93	387.96	14997.35	7073.30	3280.35	407.27	-26.43	2737.28	259.85	10.56	PASS	
5325.00†	5030.44	1603.75	396.57	15005.91	7073.37	3280.16	415.84	-25.89	2642.78	263.46	10.06	PASS	
5425.00†	5123.78	1638.58	405.18	15014.46	7073.44	3279.97	424.39	-25.35	2548.67	267.30	9.56	PASS	
5525.00†	5217.13	1673.40	413.79	15023.01	7073.51	3279.79	432.93	-24.81	2455.00	271.39	9.07	PASS	
5625.00†	5310.47	1708.22	422.40	15031.54	7073.58	3279.61	441.45	-24.27	2361.81	275.76	8.58	PASS	
5725.00†	5403.82	1743.05	431.01	15040.52	7073.66	3279.42	450.44	-23.69	2269.18	280.43	8.11	PASS	
5825.00†	5497.16	1777.87	439.62	15049.96	7073.73	3279.21	459.87	-23.09	2177.16	285.43	7.64	PASS	
5925.00†	5590.51	1812.69	448.24	15059.31	7073.80	3279.01	469.22	-22.48	2085.83	290.80	7.19	PASS	
6025.00†	5683.85	1847.51	456.85	15068.58	7073.86	3278.81	478.49	-21.88	1995.30	296.55	6.74	PASS	
6125.00†	5777.20	1882.34	465.46	15077.77	7073.92	3278.61	487.68	-21.28	1905.67	302.72	6.31	PASS	
6225.00†	5870.54	1917.16	474.07	15086.88	7073.98	3278.41	496.78	-20.69	1817.08	309.35	5.89	PASS	
6325.00†	5963.89	1951.98	482.68	15095.91	7074.04	3278.21	505.81	-20.10	1729.70	316.47	5.48	PASS	
6425.00†	6057.23	1986.81	491.29	15104.86	7074.09	3278.01	514.76	-19.51	1643.70	324.12	5.08	PASS	
6525.00†	6150.57	2021.63	499.90	15113.73	7074.14	3277.81	523.63	-18.93	1559.33	332.31	4.70	PASS	
6625.00†	6243.92	2056.45	508.51	15122.53	7074.18	3277.60	532.43	-18.34	1476.86	341.07	4.34	PASS	
6725.00†	6337.26	2091.28	517.12	15129.16	7074.22	3277.45	539.05	-17.91	1396.64	350.33	3.99	PASS	
6825.00†	6430.61	2126.10	525.73	15135.11	7074.25	3277.33	545.00	-17.51	1319.08	360.08	3.67	PASS	
6925.00†	6523.95	2160.92	534.34	15141.27	7074.29	3277.21	551.16	-17.10	1244.69	370.24	3.37	PASS	
7025.00†	6617.30	2195.75	542.96	15147.63	7074.34	3277.10	557.52	-16.68	1174.06	380.63	3.09	PASS	
7035.17	6626.79	2199.29	543.83	15148.29	7074.35	3277.08	558.18	-16.64	1167.12	381.69	3.06	PASS	
7125.00†	6709.85	2230.27	557.84	15158.92	7074.45	3276.92	568.81	-16.03	1108.39	391.12	2.84	PASS	
7225.00†	6799.11	2263.56	587.92	15182.16	7074.72	3276.67	592.04	-59.99	1049.94	401.45	2.62	PASS	
7325.00†	6882.86	2294.78	632.54	15218.09	7075.30	3276.56	627.97	-71.91	1000.48	411.02	2.44	PASS	
7425.00†	6959.05	2323.17	690.58	15276.81	7075.96	3276.70	686.68	-78.55	960.68	419.74	2.29	PASS	
7525.00†	7025.79	2348.03	760.63	15347.12	7075.96	3276.99	756.99	-82.08	930.33	427.21	2.18	PASS	
7625.00†	7081.45	2368.75	840.96	15423.75	7075.88	3277.34	833.63	-83.76	908.63	433.51	2.10	PASS	
7725.00†	7124.65	2384.81	929.59	15501.30	7075.81	3278.44	911.16	-84.43	895.15	439.02	2.04	PASS	
7820.62†	7153.32	2395.46	1020.10	15550.00	7075.82	3279.60	959.85	-84.86	889.57	442.86	2.01	PASS	
7825.00†	7154.32	2395.83	1024.34	15550.00	7075.82	3279.60	959.85	-84.90	889.59	442.90	2.01	PASS	
7925.00†	7169.75	2401.53	1122.87	15550.00	7075.82	3279.60	959.85	-84.66	898.00	441.63	2.04	PASS	
7984.11	7172.00	2402.33	1181.91	15550.00	7075.82	3279.60	959.85	-83.66	910.03	438.98	2.07	PASS	
8025.00†	7171.78	2402.22	1222.80	15550.00	7075.82	3279.60	959.85	-83.66	920.94	436.39	2.11	PASS	
8125.00†	7171.23	2401.96	1322.80	15550.00	7075.82	3279.60	959.85	-83.66	954.50	427.74	2.23	PASS	
8225.00†	7170.69	2401.70	1422.80	15550.00	7075.82	3279.60	959.85	-83.66	997.01	416.51	2.40	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	862.00	-4918.70	940.90	-4890.88
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1711.62	862.00	-4918.70	940.90	-4890.88
8.5in Open Hole	1763.00	15526.00	13763.00	1711.62	7075.81	940.90	-4890.88	1429.94	-2173.84

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	90.00	105.18	1.56	173.70	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	105.18	90.00	105.18	1.88	113.54	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	0.00	105.18	90.00	105.18	2.30	77.96	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	0.00	105.18	90.00	105.15	2.44	70.51	PASS	
325.00†	324.96	2.65	0.65	324.54	324.54	0.09	105.23	77.51	104.61	3.05	49.62	PASS	
380.60†	380.48	5.52	1.37	379.16	379.15	0.96	105.71	78.60	104.45	3.45	41.57	PASS	
425.00†	424.77	8.57	2.12	422.86	422.83	2.30	106.46	79.50	104.55	3.77	36.94	PASS	
525.00†	524.30	17.88	4.42	521.28	521.06	7.46	109.33	81.63	105.48	4.58	28.91	PASS	
625.00†	623.44	30.55	7.55	619.78	619.11	15.58	113.85	83.85	107.43	5.40	23.98	PASS	
725.00†	722.07	46.57	11.52	718.35	716.87	26.64	120.01	86.08	110.43	6.32	20.42	PASS	
825.00†	820.05	65.92	16.30	818.02	815.44	39.52	127.18	89.01	114.07	7.33	17.78	PASS	
925.00†	917.29	88.58	21.90	917.51	913.84	52.39	134.34	93.41	118.17	8.49	15.58	PASS	
1025.00†	1013.64	114.52	28.32	1016.63	1011.86	65.21	141.47	99.04	123.45	9.81	13.84	PASS	
1125.00†	1109.01	143.71	35.54	1115.24	1109.38	77.96	148.57	105.55	130.77	11.27	12.60	PASS	
1225.00†	1203.27	176.12	43.55	1213.23	1206.29	90.63	155.62	112.51	140.99	12.77	11.86	PASS	
1251.08	1227.65	185.09	45.77	1238.66	1231.45	93.92	157.45	114.34	144.22	13.16	11.75	PASS	
1325.00†	1296.66	210.83	52.13	1310.69	1302.68	103.23	162.64	119.37	154.35	14.23	11.56	PASS	
1425.00†	1390.00	245.65	60.74	1408.13	1399.05	115.83	169.65	125.18	169.69	15.50	11.61	PASS	
1525.00†	1483.35	280.48	69.36	1505.57	1495.42	128.43	176.66	130.01	186.49	16.66	11.82	PASS	
1625.00†	1576.69	315.30	77.97	1603.01	1591.78	141.03	183.68	134.03	204.38	17.73	12.13	PASS	
1725.00†	1670.04	350.12	86.58	1700.45	1688.15	153.63	190.69	137.40	223.11	18.74	12.50	PASS	
1825.00†	1763.38	384.95	95.19	1797.89	1784.52	166.23	197.70	140.25	242.47	18.93	13.27	PASS	
1925.00†	1856.72	419.77	103.80	1895.33	1880.88	178.83	204.71	142.68	262.33	18.84	14.43	PASS	
2025.00†	1950.07	454.59	112.41	1992.77	1977.25	191.43	211.73	144.77	282.59	18.80	15.58	PASS	
2125.00†	2043.41	489.42	121.02	2090.21	2073.62	204.03	218.74	146.58	303.16	18.87	16.66	PASS	
2225.00†	2136.76	524.24	129.63	2187.65	2169.98	216.63	225.75	148.16	323.98	19.03	17.64	PASS	
2325.00†	2230.10	559.06	138.24	2285.09	2266.35	229.23	232.77	149.54	345.02	19.29	18.53	PASS	
2425.00†	2323.45	593.89	146.85	2382.52	2362.72	241.83	239.78	150.77	366.22	19.63	19.32	PASS	
2525.00†	2416.79	628.71	155.46	2479.96	2459.08	254.43	246.79	151.87	387.57	20.05	20.01	PASS	
2625.00†	2510.14	663.53	164.08	2577.40	2555.45	267.03	253.80	152.85	409.04	20.53	20.60	PASS	
2725.00†	2603.48	698.35	172.69	2674.84	2651.82	279.63	260.82	153.73	430.62	21.09	21.09	PASS	
2825.00†	2696.83	733.18	181.30	2772.28	2748.18	292.23	267.83	154.53	452.28	21.70	21.51	PASS	
2925.00†	2790.17	768.00	189.91	2869.72	2844.55	304.83	274.84	155.26	474.02	22.37	21.85	PASS	
3025.00†	2883.51	802.82	198.52	2967.16	2940.92	317.43	281.86	155.92	495.83	23.08	22.13	PASS	
3125.00†	2976.86	837.65	207.13	3064.60	3037.28	330.03	288.87	156.53	517.69	23.83	22.36	PASS	
3225.00†	3070.20	872.47	215.74	3162.04	3133.65	342.63	295.88	157.09	539.61	24.62	22.54	PASS	
3325.00†	3163.55	907.29	224.35	3259.48	3230.01	355.23	302.89	157.60	561.57	25.45	22.67	PASS	
3425.00†	3256.89	942.12	232.96	3356.92	3326.38	367.83	309.91	158.07	583.57	26.30	22.78	PASS	
3525.00†	3350.24	976.94	241.57	3454.36	3422.75	380.43	316.92	158.52	605.60	27.18	22.85	PASS	
3625.00†	3443.58	1011.76	250.18	3551.80	3519.11	393.03	323.93	158.93	627.67	28.09	22.90	PASS	
3725.00†	3536.93	1046.58	258.80	3649.24	3615.48	405.63	330.95	159.31	649.77	29.01	22.93	PASS	
3825.00†	3630.27	1081.41	267.41	3746.68	3711.85	418.23	337.96	159.67	671.89	29.96	22.95	PASS	
3925.00†	3723.62	1116.23	276.02	3844.12	3808.21	430.83	344.97	160.00	694.03	30.92	22.95	PASS	
4025.00†	3816.96	1151.05	284.63	3941.56	3904.58	443.43	351.98	160.32	716.20	31.90	22.94	PASS	
4125.00†	3910.30	1185.88	293.24	4039.00	4000.95	456.03	359.00	160.61	738.39	32.89	22.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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
4225.00†	4003.65	1220.70	301.85	4136.44	4097.31	468.63	366.01	160.89	760.59	33.90	22.90	PASS
4325.00†	4096.99	1255.52	310.46	4233.87	4193.68	481.23	373.02	161.15	782.81	34.91	22.86	PASS
4425.00†	4190.34	1290.35	319.07	4331.31	4290.05	493.83	380.04	161.40	805.04	35.94	22.83	PASS
4525.00†	4283.68	1325.17	327.68	4428.75	4386.41	506.43	387.05	161.63	827.29	36.98	22.79	PASS
4625.00†	4377.03	1359.99	336.29	4526.19	4482.78	519.03	394.06	161.85	849.55	38.03	22.75	PASS
4725.00†	4470.37	1394.82	344.90	4623.63	4579.15	531.63	401.07	162.06	871.82	39.08	22.70	PASS
4825.00†	4563.72	1429.64	353.52	4721.07	4675.51	544.23	408.09	162.26	894.10	40.14	22.66	PASS
4925.00†	4657.06	1464.46	362.13	4818.51	4771.88	556.83	415.10	162.46	916.39	41.21	22.61	PASS
5025.00†	4750.41	1499.28	370.74	4915.95	4868.25	569.43	422.11	162.64	938.70	42.28	22.56	PASS
5125.00†	4843.75	1534.11	379.35	5013.39	4964.61	582.03	429.13	162.81	961.01	43.36	22.51	PASS
5225.00†	4937.10	1568.93	387.96	5110.83	5060.98	594.63	436.14	162.98	983.32	44.45	22.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1737.16	0.00	64.12	48.78	91.27
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1737.16	0.00	64.12	48.78	91.27
8.5in Open Hole	1750.00	14835.61	13085.61	1737.16	N/A	48.78	91.27	N/A	N/A

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1188.97	5484.68	77.77	5612.07	50.20	113.97	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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	133.61	145.26	1.56	240.49	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-100.19	105.18	133.61	145.26	1.89	155.92	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-100.19	105.18	133.61	145.26	2.31	107.43	PASS	
225.00†	225.00	0.11	0.03	226.32	226.32	-100.11	105.08	119.76	145.20	2.46	96.43	PASS	
325.00†	324.96	2.65	0.65	331.54	331.49	-98.40	102.75	120.89	143.79	3.57	54.82	PASS	
425.00†	424.77	8.57	2.12	436.43	436.16	-94.40	97.33	123.58	140.71	5.20	33.02	PASS	
525.00†	524.30	17.88	4.42	540.75	539.95	-88.18	88.89	127.99	136.48	6.52	24.38	PASS	
625.00†	623.44	30.55	7.55	644.26	642.48	-79.79	77.51	134.31	132.02	7.75	19.31	PASS	
725.00†	722.07	46.57	11.52	746.72	743.41	-69.33	63.31	142.64	128.73	8.89	16.11	PASS	
760.28†	756.72	53.02	13.11	781.57	777.62	-65.40	57.98	145.89	128.34	9.24	15.40	PASS	
825.00†	820.05	65.92	16.30	844.42	839.33	-58.31	48.36	151.96	129.74	9.75	14.66	PASS	
925.00†	917.29	88.58	21.90	941.58	934.71	-47.35	33.49	161.27	137.53	10.64	14.11	PASS	
1025.00†	1013.64	114.52	28.32	1038.12	1029.50	-36.45	18.71	169.64	152.11	11.73	14.04	PASS	
1125.00†	1109.01	143.71	35.54	1133.94	1123.56	-25.64	4.04	176.56	172.87	12.66	14.70	PASS	
1225.00†	1203.27	176.12	43.55	1228.91	1216.80	-14.93	-10.50	-178.02	199.00	13.73	15.52	PASS	
1251.08	1227.65	185.09	45.77	1253.52	1240.96	-12.15	-14.26	-176.82	206.60	14.00	15.78	PASS	
1325.00†	1296.66	210.83	52.13	1323.19	1309.36	-4.29	-24.93	-173.90	228.86	14.66	16.64	PASS	
1425.00†	1390.00	245.65	60.74	1417.45	1401.90	6.34	-39.36	-170.74	259.68	15.61	17.66	PASS	
1525.00†	1483.35	280.48	69.36	1511.70	1494.43	16.97	-53.78	-168.24	291.07	16.62	18.53	PASS	
1625.00†	1576.69	315.30	77.97	1605.95	1586.96	27.61	-68.21	-166.23	322.86	17.67	19.27	PASS	
1725.00†	1670.04	350.12	86.58	1700.20	1679.49	38.24	-82.64	-164.57	354.96	18.76	19.89	PASS	
1825.00†	1763.38	384.95	95.19	1794.45	1772.02	48.87	-97.06	-163.19	387.27	19.24	20.86	PASS	
1925.00†	1856.72	419.77	103.80	1888.71	1864.56	59.51	-111.49	-162.02	419.76	19.48	22.33	PASS	
2025.00†	1950.07	454.59	112.41	1982.96	1957.09	70.14	-125.92	-161.02	452.39	19.68	23.80	PASS	
2125.00†	2043.41	489.42	121.02	2077.21	2049.62	80.77	-140.35	-160.15	485.12	19.96	25.17	PASS	
2225.00†	2136.76	524.24	129.63	2171.46	2142.15	91.41	-154.77	-159.39	517.94	20.29	26.41	PASS	
2325.00†	2230.10	559.06	138.24	2265.71	2234.69	102.04	-169.20	-158.72	550.83	20.69	27.53	PASS	
2425.00†	2323.45	593.89	146.85	2359.97	2327.22	112.67	-183.63	-158.13	583.78	21.14	28.54	PASS	
2525.00†	2416.79	628.71	155.46	2454.22	2419.75	123.31	-198.06	-157.60	616.78	21.65	29.42	PASS	
2625.00†	2510.14	663.53	164.08	2548.47	2512.28	133.94	-212.48	-157.12	649.82	22.21	30.19	PASS	
2725.00†	2603.48	698.35	172.69	2642.72	2604.81	144.57	-226.91	-156.69	682.90	22.82	30.86	PASS	
2825.00†	2696.83	733.18	181.30	2736.97	2697.35	155.21	-241.34	-156.30	716.01	23.47	31.43	PASS	
2925.00†	2790.17	768.00	189.91	2831.23	2789.88	165.84	-255.76	-155.95	749.15	24.16	31.92	PASS	
3025.00†	2883.51	802.82	198.52	2925.48	2882.41	176.47	-270.19	-155.62	782.31	24.89	32.33	PASS	
3125.00†	2976.86	837.65	207.13	3019.73	2974.94	187.11	-284.62	-155.32	815.49	25.65	32.67	PASS	
3225.00†	3070.20	872.47	215.74	3113.98	3067.48	197.74	-299.05	-155.04	848.69	26.45	32.95	PASS	
3325.00†	3163.55	907.29	224.35	3208.23	3160.01	208.37	-313.47	-154.79	881.91	27.27	33.18	PASS	
3425.00†	3256.89	942.12	232.96	3302.48	3252.54	219.01	-327.90	-154.55	915.14	28.12	33.36	PASS	
3525.00†	3350.24	976.94	241.57	3396.74	3345.07	229.64	-342.33	-154.33	948.38	28.99	33.51	PASS	
3625.00†	3443.58	1011.76	250.18	3490.99	3437.61	240.27	-356.76	-154.13	981.63	29.88	33.62	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	64.12	-17.17	4.55
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1728.38	-61.07	64.12	-17.17	4.55
8.5in Open Hole	1750.00	16500.84	14750.84	1728.38	6947.00	-17.17	4.55	167.73	2739.11

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	972.54	5204.01	79.41	5294.11	50.17	107.58	PASS		
125.00†	125.00	0.00	0.00	106.92	131.92	972.27	5203.99	79.42	5294.04	50.17	107.57	PASS		
200.00	200.00	0.00	0.00	188.81	213.80	971.83	5203.91	79.42	5293.90	50.18	107.54	PASS		
225.00†	225.00	0.11	0.03	218.37	243.37	971.65	5203.85	65.54	5293.78	50.18	107.53	PASS		
325.00†	324.96	2.65	0.65	324.81	349.80	971.29	5203.37	65.60	5292.17	50.21	107.45	PASS		
425.00†	424.77	8.57	2.12	396.76	421.76	971.39	5203.20	65.69	5289.45	50.24	107.31	PASS		
525.00†	524.30	17.88	4.42	449.94	474.93	971.65	5203.41	65.80	5285.98	50.28	107.16	PASS		
625.00†	623.44	30.55	7.55	504.31	529.30	972.02	5204.11	65.94	5281.99	50.33	106.97	PASS		
725.00†	722.07	46.57	11.52	618.27	643.24	973.31	5205.83	66.21	5276.93	50.42	106.67	PASS		
825.00†	820.05	65.92	16.30	791.49	816.42	976.84	5206.63	66.65	5269.66	50.55	106.26	PASS		
925.00†	917.29	88.58	21.90	926.60	951.49	979.33	5205.57	67.12	5259.75	50.69	105.75	PASS		
1025.00†	1013.64	114.52	28.32	996.85	1021.74	979.68	5205.23	67.51	5248.71	50.85	105.19	PASS		
1125.00†	1109.01	143.71	35.54	1113.79	1138.69	980.03	5204.76	68.09	5236.52	51.08	104.48	PASS		
1225.00†	1203.27	176.12	43.55	1226.59	1251.48	980.45	5203.84	68.73	5222.82	51.35	103.63	PASS		
1251.08	1227.65	185.09	45.77	1256.19	1281.08	980.55	5203.53	68.91	5219.02	51.44	103.39	PASS		
1325.00†	1296.66	210.83	52.13	1364.58	1389.45	981.13	5201.99	69.31	5207.98	51.69	102.64	PASS		
1425.00†	1390.00	245.65	60.74	1626.92	1651.27	992.02	5191.27	70.16	5191.11	52.11	101.47	PASS		
1525.00†	1483.35	280.48	69.36	1717.48	1741.32	999.77	5185.51	70.42	5172.90	52.54	100.28	PASS		
1625.00†	1576.69	315.30	77.97	1774.49	1797.90	1005.77	5182.03	70.56	5155.30	53.00	99.06	PASS		
1725.00†	1670.04	350.12	86.58	1830.62	1853.51	1012.69	5178.90	70.70	5138.52	53.50	97.79	PASS		
1825.00†	1763.38	384.95	95.19	1886.39	1908.55	1021.22	5176.03	70.82	5122.59	53.54	96.94	PASS		
1925.00†	1856.72	419.77	103.80	2202.84	2216.57	1089.16	5152.34	71.25	5105.42	53.71	96.32	PASS		
2025.00†	1950.07	454.59	112.41	2271.18	2282.71	1105.06	5145.72	71.33	5086.05	53.81	95.76	PASS		
2125.00†	2043.41	489.42	121.02	2407.16	2414.51	1135.90	5132.75	71.50	5066.86	53.94	95.16	PASS		
2225.00†	2136.76	524.24	129.63	2520.44	2524.16	1161.82	5121.13	71.64	5046.95	54.09	94.53	PASS		
2325.00†	2230.10	559.06	138.24	2634.69	2634.57	1188.54	5108.87	71.78	5026.62	54.26	93.86	PASS		
2425.00†	2323.45	593.89	146.85	2759.56	2754.99	1218.60	5095.16	71.91	5006.22	54.44	93.16	PASS		
2525.00†	2416.79	628.71	155.46	2870.25	2861.61	1245.30	5082.15	72.03	4985.01	54.65	92.41	PASS		
2625.00†	2510.14	663.53	164.08	2941.16	2930.00	1262.23	5073.99	72.11	4964.07	54.86	91.65	PASS		
2725.00†	2603.48	698.35	172.69	3006.43	2992.95	1277.94	5066.93	72.18	4943.81	55.09	90.90	PASS		
2825.00†	2696.83	733.18	181.30	3103.12	3086.18	1301.44	5056.73	72.29	4923.85	55.34	90.11	PASS		
2925.00†	2790.17	768.00	189.91	3170.07	3150.88	1317.23	5049.93	72.37	4904.24	55.60	89.32	PASS		
3025.00†	2883.51	802.82	198.52	3238.34	3217.14	1332.40	5043.51	72.47	4885.25	55.88	88.54	PASS		
3125.00†	2976.86	837.65	207.13	3320.72	3297.19	1350.46	5036.27	72.58	4866.84	56.18	87.73	PASS		
3225.00†	3070.20	872.47	215.74	3503.26	3474.38	1390.60	5018.58	72.85	4847.58	56.53	86.82	PASS		
3325.00†	3163.55	907.29	224.35	3549.18	3518.94	1400.67	5013.95	72.91	4828.08	56.85	85.98	PASS		
3425.00†	3256.89	942.12	232.96	3595.29	3563.72	1410.85	5009.86	72.98	4809.64	57.18	85.15	PASS		
3525.00†	3350.24	976.94	241.57	3871.96	3830.73	1477.30	4981.30	73.32	4790.23	57.66	84.09	PASS		
3625.00†	3443.58	1011.76	250.18	4019.99	3971.98	1517.00	4961.68	73.44	4767.88	58.09	83.08	PASS		
3725.00†	3536.93	1046.58	258.80	4105.24	4053.35	1539.70	4950.21	73.51	4745.45	58.49	82.11	PASS		
3825.00†	3630.27	1081.41	267.41	4170.94	4116.30	1556.50	4941.74	73.58	4723.49	58.90	81.16	PASS		
3925.00†	3723.62	1116.23	276.02	4238.70	4181.47	1573.13	4933.50	73.66	4702.18	59.33	80.20	PASS		
4025.00†	3816.96	1151.05	284.63	4306.18	4246.50	1589.38	4925.71	73.74	4681.48	59.76	79.26	PASS		
4125.00†	3910.30	1185.88	293.24	4358.95	4297.44	1601.95	4920.06	73.81	4661.60	60.20	78.34	PASS		
4225.00†	4003.65	1220.70	301.85	4421.24	4357.65	1616.69	4914.01	73.90	4642.65	60.66	77.43	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	4534.05	4466.58	1643.96	4903.29	74.04	4624.02	61.16	76.48	PASS	
4425.00†	4190.34	1290.35	319.07	4655.36	4583.76	1672.81	4890.82	74.20	4604.56	61.68	75.51	PASS	
4525.00†	4283.68	1325.17	327.68	4743.43	4668.93	1693.34	4881.90	74.32	4585.29	62.19	74.57	PASS	
4625.00†	4377.03	1359.99	336.29	4839.42	4761.91	1715.17	4872.29	74.47	4566.14	62.72	73.63	PASS	
4725.00†	4470.37	1394.82	344.90	4933.50	4853.23	1735.77	4862.94	74.62	4547.03	63.25	72.69	PASS	
4825.00†	4563.72	1429.64	353.52	5018.58	4935.71	1754.88	4854.60	74.75	4528.13	63.79	71.77	PASS	
4925.00†	4657.06	1464.46	362.13	5094.12	5008.94	1772.05	4847.50	74.87	4509.65	64.34	70.86	PASS	
5025.00†	4750.41	1499.28	370.74	5143.68	5057.11	1782.87	4843.22	74.95	4491.94	64.87	70.00	PASS	
5125.00†	4843.75	1534.11	379.35	5190.93	5103.30	1792.20	4839.72	75.04	4475.37	65.40	69.17	PASS	
5225.00†	4937.10	1568.93	387.96	5261.35	5172.46	1804.66	4835.24	75.20	4459.74	65.97	68.32	PASS	
5325.00†	5030.44	1603.75	396.57	5330.47	5240.58	1815.70	4831.23	75.37	4444.69	66.54	67.51	PASS	
5425.00†	5123.78	1638.58	405.18	5392.58	5301.95	1824.65	4828.13	75.54	4430.45	67.10	66.72	PASS	
5525.00†	5217.13	1673.40	413.79	5453.73	5362.54	1832.52	4825.61	75.72	4417.08	67.66	65.96	PASS	
5625.00†	5310.47	1708.22	422.40	5519.31	5427.67	1839.85	4823.46	75.92	4404.59	68.24	65.22	PASS	
5725.00†	5403.82	1743.05	431.01	5599.49	5507.53	1846.65	4821.27	76.20	4392.70	68.83	64.47	PASS	
5825.00†	5497.16	1777.87	439.62	5676.76	5584.63	1851.57	4819.49	76.50	4381.36	69.43	63.75	PASS	
5925.00†	5590.51	1812.69	448.24	5755.32	5663.07	1855.73	4818.00	76.81	4370.58	70.03	63.04	PASS	
6025.00†	5683.85	1847.51	456.85	5850.05	5757.71	1859.38	4816.49	77.20	4360.28	70.66	62.32	PASS	
6125.00†	5777.20	1882.34	465.46	5948.52	5856.15	1860.76	4814.69	77.64	4350.00	71.33	61.59	PASS	
6225.00†	5870.54	1917.16	474.07	6031.74	5939.36	1860.40	4813.25	78.03	4340.10	71.98	60.88	PASS	
6325.00†	5963.89	1951.98	482.68	6114.01	6021.61	1859.87	4812.07	78.42	4330.75	72.65	60.19	PASS	
6425.00†	6057.23	1986.81	491.29	6210.49	6118.08	1859.34	4810.72	78.88	4321.74	73.34	59.49	PASS	
6525.00†	6150.57	2021.63	499.90	6301.06	6208.65	1859.21	4809.47	79.30	4313.02	74.04	58.80	PASS	
6625.00†	6243.92	2056.45	508.51	6408.18	6315.75	1859.53	4807.83	79.80	4304.42	74.78	58.10	PASS	
6725.00†	6337.26	2091.28	517.12	6481.47	6389.03	1859.90	4806.79	80.15	4296.22	75.46	57.46	PASS	
6825.00†	6430.61	2126.10	525.73	6570.23	6477.79	1860.46	4805.84	80.56	4288.60	76.18	56.81	PASS	
6925.00†	6523.95	2160.92	534.34	6664.15	6571.70	1861.14	4804.85	81.00	4281.28	76.91	56.17	PASS	
7025.00†	6617.30	2195.75	542.96	6780.79	6688.32	1862.39	4803.41	81.54	4274.07	77.69	55.51	PASS	
7035.17	6626.79	2199.29	543.83	6794.06	6701.59	1862.53	4803.19	81.60	4273.31	77.77	55.44	PASS	
7125.00†	6709.85	2230.27	557.84	6962.47	6869.92	1865.21	4798.84	82.37	4259.68	78.76	54.57	PASS	
7225.00†	6799.11	2263.56	567.92	7087.05	6994.37	1867.75	4793.68	83.29	4248.85	80.23	53.17	PASS	
7325.00†	6882.86	2294.78	578.54	7215.47	7125.70	1868.72	4790.14	84.35	4239.69	81.68	51.66	PASS	
7425.00†	6959.05	2323.17	589.58	7346.16	7263.16	1869.42	4787.03	85.58	4232.62	83.02	50.12	PASS	
7525.00†	7025.79	2348.03	599.63	7489.97	7417.06	1870.09	4784.24	86.97	4227.45	84.21	48.57	PASS	
7625.00†	7081.45	2368.75	609.96	7641.29	7575.33	1870.67	4782.00	88.50	4223.33	85.24	47.03	PASS	
7725.00†	7124.65	2384.81	620.99	7799.05	7737.05	1871.12	4780.32	90.09	4219.67	86.10	45.53	PASS	
7825.00†	7154.32	2395.83	632.44	7962.99	7900.98	1871.27	4779.77	91.74	4216.59	86.88	44.03	PASS	
7925.00†	7169.75	2401.53	644.29	8132.24	8075.25	1871.29	4779.68	93.46	4213.90	87.42	42.64	PASS	
7984.11	7172.00	2402.33	656.74	8312.25	8255.26	1871.29	4779.68	95.24	4211.60	87.61	41.87	PASS	
8025.00†	7171.78	2402.22	669.29	8494.91	8437.90	1871.29	4779.70	97.07	4209.63	87.72	41.36	PASS	
8125.00†	7171.23	2401.96	682.80	8682.02	8625.01	1871.28	4779.73	98.96	4207.91	87.99	40.98	PASS	
8225.00†	7170.69	2401.70	696.29	8874.03	8817.09	1871.27	4779.77	100.91	4206.34	88.29	38.83	PASS	
8325.00†	7170.15	2401.44	710.74	9070.13	9013.12	1871.26	4779.81	102.92	4204.91	88.61	37.56	PASS	
8425.00†	7169.60	2401.17	725.29	9270.11	9213.10	1871.24	4779.85	104.98	4203.62	88.97	36.30	PASS	
8525.00†	7169.06	2400.91	740.84	9474.05	9417.04	1871.23	4779.89	107.09	4202.47	89.36	35.02	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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†	7168.51	2400.65	1822.79	7395.42	7302.42	1871.18	4780.09	106.04	3007.31	89.84	33.73	PASS	
8725.00†	7167.97	2400.39	1922.79	7390.63	7297.63	1871.12	4780.30	105.55	2909.00	90.38	32.43	PASS	
8825.00†	7167.43	2400.12	2022.79	7385.82	7292.83	1871.07	4780.51	105.06	2810.81	90.97	31.13	PASS	
8925.00†	7166.88	2399.86	2122.78	7381.01	7288.03	1871.01	4780.71	104.57	2712.74	91.63	29.83	PASS	
9025.00†	7166.34	2399.60	2222.78	7376.20	7283.22	1870.95	4780.92	104.07	2614.80	92.37	28.52	PASS	
9125.00†	7165.79	2399.33	2322.78	7371.38	7278.40	1870.90	4781.13	103.57	2517.02	93.19	27.21	PASS	
9225.00†	7165.25	2399.07	2422.78	7366.55	7273.58	1870.84	4781.34	103.07	2419.42	94.10	25.90	PASS	
9325.00†	7164.71	2398.81	2522.78	7361.72	7268.75	1870.79	4781.55	102.56	2322.00	95.13	24.58	PASS	
9425.00†	7164.16	2398.55	2622.78	7356.89	7263.92	1870.73	4781.76	102.06	2224.80	96.28	23.27	PASS	
9525.00†	7163.62	2398.28	2722.77	7352.04	7259.08	1870.68	4781.97	101.55	2127.86	97.59	21.96	PASS	
9625.00†	7163.08	2398.02	2822.77	7347.19	7254.24	1870.62	4782.18	101.03	2031.19	99.06	20.65	PASS	
9725.00†	7162.53	2397.76	2922.77	7342.34	7249.39	1870.57	4782.39	100.52	1934.86	100.73	19.34	PASS	
9825.00†	7161.99	2397.50	3022.77	7337.48	7244.54	1870.51	4782.60	100.00	1838.90	102.63	18.03	PASS	
9925.00†	7161.44	2397.23	3122.77	7332.62	7239.68	1870.46	4782.81	99.48	1743.38	104.80	16.74	PASS	
10025.00†	7160.90	2396.97	3222.76	7327.75	7234.81	1870.40	4783.03	98.96	1648.38	107.30	15.46	PASS	
10125.00†	7160.36	2396.71	3322.76	7322.87	7229.94	1870.35	4783.24	98.44	1553.99	110.16	14.19	PASS	
10225.00†	7159.81	2396.45	3422.76	7317.99	7225.06	1870.29	4783.45	97.92	1460.33	113.47	12.94	PASS	
10325.00†	7159.27	2396.18	3522.76	7313.10	7220.18	1870.24	4783.66	97.39	1367.56	117.31	11.72	PASS	
10425.00†	7158.72	2395.92	3622.76	7308.21	7215.29	1870.18	4783.88	96.86	1275.85	121.79	10.53	PASS	
10525.00†	7158.18	2395.66	3722.76	7303.31	7210.40	1870.13	4784.09	96.33	1185.47	127.01	9.38	PASS	
10625.00†	7157.64	2395.39	3822.75	7298.39	7205.48	1870.08	4784.31	95.80	1096.74	133.14	8.28	PASS	
10725.00†	7157.09	2395.13	3922.75	7293.44	7200.54	1870.02	4784.52	95.26	1010.09	140.33	7.23	PASS	
10825.00†	7156.55	2394.87	4022.75	7288.49	7195.60	1869.97	4784.74	94.72	926.11	148.78	6.25	PASS	
10925.00†	7156.01	2394.61	4122.75	7283.54	7190.65	1869.91	4784.95	94.18	845.59	158.66	5.35	PASS	
11025.00†	7155.46	2394.34	4222.75	7278.59	7185.70	1869.86	4785.17	93.64	769.62	170.10	4.54	PASS	
11125.00†	7154.92	2394.08	4322.74	7273.63	7180.75	1869.81	4785.39	93.10	699.69	183.07	3.83	PASS	
11225.00†	7154.37	2393.82	4422.74	7268.67	7175.80	1869.76	4785.61	92.56	637.79	197.17	3.24	PASS	
11325.00†	7153.83	2393.56	4522.74	7263.71	7170.84	1869.70	4785.82	92.02	586.45	211.39	2.78	PASS	
11425.00†	7153.29	2393.29	4622.74	7258.75	7165.89	1869.65	4786.04	91.48	548.66	223.88	2.46	PASS	
11525.00†	7152.74	2393.03	4722.74	7253.79	7160.93	1869.60	4786.26	90.94	527.33	232.21	2.27	PASS	
11591.05†	7152.38	2392.86	4788.79	7250.23	7157.38	1869.56	4786.41	90.55	523.32	234.36	2.24	PASS	
11597.14†	7152.35	2392.84	4794.88	7250.20	7157.35	1869.56	4786.41	90.54	523.37	234.42	2.24	PASS	
11625.00†	7152.20	2392.77	4822.74	7248.82	7155.97	1869.55	4786.47	90.39	524.49	234.32	2.24	PASS	
11725.00†	7151.65	2392.51	4922.73	7243.85	7151.00	1869.50	4786.69	89.85	540.41	229.86	2.36	PASS	
11825.00†	7151.11	2392.24	5022.73	7238.88	7146.04	1869.45	4786.91	89.31	573.54	220.36	2.61	PASS	
11925.00†	7150.57	2391.98	5122.73	7233.91	7141.07	1869.40	4787.13	88.76	621.14	208.22	2.99	PASS	
12025.00†	7150.02	2391.72	5222.73	7228.94	7136.10	1869.35	4787.35	88.22	680.16	195.46	3.49	PASS	
12125.00†	7149.48	2391.45	5322.73	7223.96	7131.13	1869.30	4787.56	87.68	747.92	183.33	4.09	PASS	
12225.00†	7148.93	2391.19	5422.72	7218.99	7126.16	1869.25	4787.78	87.13	822.25	172.40	4.78	PASS	
12325.00†	7148.39	2390.93	5522.72	7214.01	7121.19	1869.20	4788.00	86.59	901.53	162.82	5.56	PASS	
12425.00†	7147.85	2390.67	5622.72	7209.02	7116.21	1869.15	4788.22	86.05	984.57	154.54	6.40	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	13989.65	6887.18	1592.19	-135.61	-4.87	7045.78	96.23	73.91	PASS	
125.00†	125.00	0.00	0.00	13992.27	6887.25	1592.12	-132.98	-4.77	6948.42	97.28	72.09	PASS	
200.00	200.00	0.00	0.00	13994.24	6887.30	1592.07	-131.01	-4.70	6875.45	97.70	71.03	PASS	
225.00†	225.00	0.11	0.03	13994.92	6887.32	1592.05	-130.34	-19.26	6851.12	97.84	70.68	PASS	
325.00†	324.96	2.65	0.65	13998.10	6887.40	1591.96	-127.16	-22.44	6753.36	98.38	69.28	PASS	
425.00†	424.77	8.57	2.12	14002.03	6887.50	1591.86	-123.24	-26.76	6655.03	98.87	67.93	PASS	
525.00†	524.30	17.88	4.42	14006.69	6887.62	1591.74	-118.58	-32.91	6556.22	99.30	66.63	PASS	
625.00†	623.44	30.55	7.55	14012.08	6887.76	1591.60	-113.19	-42.11	6457.03	99.68	65.37	PASS	
725.00†	722.07	46.57	11.52	14018.20	6887.92	1591.44	-107.08	-56.39	6357.55	99.98	64.17	PASS	
825.00†	820.05	65.92	16.30	14025.04	6888.10	1591.26	-100.24	-77.65	6257.91	100.22	63.01	PASS	
925.00†	917.29	88.58	21.90	14032.59	6888.29	1591.07	-92.69	-103.07	6158.21	100.38	61.91	PASS	
1025.00†	1013.64	114.52	28.32	14040.85	6888.50	1590.87	-84.44	-124.63	6058.57	100.46	60.86	PASS	
1125.00†	1109.01	143.71	35.54	14049.82	6888.73	1590.65	-75.48	-139.20	5959.12	100.45	59.86	PASS	
1225.00†	1203.27	176.12	43.55	14054.25	6888.84	1590.54	-71.04	-148.33	5859.99	100.31	58.95	PASS	
1251.08	1227.65	185.09	45.77	14055.44	6888.87	1590.51	-69.85	-150.14	5834.21	100.25	58.72	PASS	
1325.00†	1296.66	210.83	52.13	14058.88	6888.97	1590.42	-66.42	-150.31	5761.18	100.09	58.08	PASS	
1425.00†	1390.00	245.65	60.74	14063.60	6889.10	1590.29	-61.70	-150.53	5662.43	99.86	57.22	PASS	
1525.00†	1483.35	280.48	69.36	14068.39	6889.24	1590.17	-56.91	-150.76	5563.71	99.64	56.35	PASS	
1625.00†	1576.69	315.30	77.97	14073.27	6889.39	1590.03	-52.04	-151.00	5465.03	99.40	55.48	PASS	
1725.00†	1670.04	350.12	86.58	14078.23	6889.55	1589.89	-47.09	-151.25	5366.39	99.16	54.61	PASS	
1825.00†	1763.38	384.95	95.19	14083.27	6889.71	1589.74	-42.05	-151.50	5267.79	98.70	53.75	PASS	
1925.00†	1856.72	419.77	103.80	14088.40	6889.89	1589.59	-36.93	-151.75	5169.24	98.43	52.89	PASS	
2025.00†	1950.07	454.59	112.41	14093.62	6890.08	1589.43	-31.71	-152.02	5070.73	98.16	52.03	PASS	
2125.00†	2043.41	489.42	121.02	14098.93	6890.27	1589.26	-26.41	-152.29	4972.27	97.88	51.16	PASS	
2225.00†	2136.76	524.24	129.63	14104.33	6890.48	1589.08	-21.01	-152.57	4873.85	97.59	50.30	PASS	
2325.00†	2230.10	559.06	138.24	14109.83	6890.70	1588.90	-15.52	-152.85	4775.50	97.29	49.44	PASS	
2425.00†	2323.45	593.89	146.85	14115.43	6890.93	1588.71	-9.93	-153.14	4677.19	96.98	48.58	PASS	
2525.00†	2416.79	628.71	155.46	14121.13	6891.17	1588.50	-4.24	-153.44	4578.95	96.66	47.71	PASS	
2625.00†	2510.14	663.53	164.08	14126.93	6891.43	1588.29	1.55	-153.75	4480.77	96.33	46.85	PASS	
2725.00†	2603.48	698.35	172.69	14132.84	6891.70	1588.08	7.46	-154.07	4382.66	95.99	45.99	PASS	
2825.00†	2696.83	733.18	181.30	14138.86	6891.98	1587.85	13.46	-154.39	4284.62	95.64	45.13	PASS	
2925.00†	2790.17	768.00	189.91	14144.49	6892.25	1587.63	19.08	-154.70	4186.65	95.27	44.27	PASS	
3025.00†	2883.51	802.82	198.52	14150.24	6892.54	1587.41	24.82	-155.02	4088.77	94.89	43.40	PASS	
3125.00†	2976.86	837.65	207.13	14156.13	6892.84	1587.18	30.69	-155.34	3990.97	94.50	42.54	PASS	
3225.00†	3070.20	872.47	215.74	14162.16	6893.16	1586.95	36.71	-155.68	3893.27	94.10	41.68	PASS	
3325.00†	3163.55	907.29	224.35	14168.34	6893.50	1586.71	42.88	-156.03	3795.67	93.69	40.82	PASS	
3425.00†	3256.89	942.12	232.96	14174.67	6893.86	1586.47	49.20	-156.39	3698.17	93.26	39.95	PASS	
3525.00†	3350.24	976.94	241.57	14181.17	6894.24	1586.22	55.68	-156.76	3600.79	92.82	39.09	PASS	
3625.00†	3443.58	1011.76	250.18	14187.83	6894.63	1585.97	62.33	-157.15	3503.54	92.36	38.22	PASS	
3725.00†	3536.93	1046.58	258.80	14194.67	6895.05	1585.71	69.14	-157.54	3406.41	91.90	37.35	PASS	
3825.00†	3630.27	1081.41	267.41	14201.69	6895.50	1585.44	76.14	-157.96	3309.43	91.43	36.47	PASS	
3925.00†	3723.62	1116.23	276.02	14208.89	6895.97	1585.16	83.33	-158.39	3212.61	90.94	35.60	PASS	
4025.00†	3816.96	1151.05	284.63	14216.29	6896.47	1584.88	90.70	-158.83	3115.95	90.45	34.71	PASS	
4125.00†	3910.30	1185.88	293.24	14223.90	6896.99	1584.59	98.28	-159.29	3019.48	89.96	33.82	PASS	
4225.00†	4003.65	1220.70	301.85	14232.68	6897.62	1584.29	107.04	-159.83	2923.21	89.47	32.93	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	
4325.00†	4096.99	1255.52	310.46	14243.51	6898.40	1583.84	117.84	-160.50	2827.15	88.99	32.02	PASS	
4425.00†	4190.34	1290.35	319.07	14254.51	6899.21	1583.43	128.80	-161.19	2731.32	88.53	31.09	PASS	
4525.00†	4283.68	1325.17	327.68	14265.67	6900.04	1583.00	139.92	-161.90	2635.73	88.08	30.16	PASS	
4625.00†	4377.03	1359.99	336.29	14277.01	6900.90	1582.58	151.22	-162.63	2540.42	87.68	29.20	PASS	
4725.00†	4470.37	1394.82	344.90	14288.53	6901.79	1582.15	162.69	-163.38	2445.42	87.32	28.23	PASS	
4825.00†	4563.72	1429.64	353.52	14300.23	6902.70	1581.71	174.35	-164.15	2350.76	87.03	27.22	PASS	
4925.00†	4657.06	1464.46	362.13	14312.11	6903.65	1581.26	186.18	-164.95	2256.49	86.85	26.19	PASS	
5025.00†	4750.41	1499.28	370.74	14325.43	6904.72	1580.77	199.45	-165.85	2162.65	86.82	25.11	PASS	
5125.00†	4843.75	1534.11	379.35	14340.04	6905.90	1580.24	214.01	-166.86	2069.28	86.97	23.98	PASS	
5225.00†	4937.10	1568.93	387.96	14354.72	6907.08	1579.71	228.62	-167.89	1976.45	87.38	22.80	PASS	
5325.00†	5030.44	1603.75	396.57	14369.45	6908.27	1579.19	243.30	-168.93	1884.24	88.12	21.55	PASS	
5425.00†	5123.78	1638.58	405.18	14384.25	6909.47	1578.68	258.04	-169.99	1792.74	89.29	20.23	PASS	
5525.00†	5217.13	1673.40	413.79	14399.11	6910.67	1578.17	272.84	-171.07	1702.06	91.01	18.84	PASS	
5625.00†	5310.47	1708.22	422.40	14423.54	6912.61	1577.35	297.19	-172.88	1612.34	93.49	17.37	PASS	
5725.00†	5403.82	1743.05	431.01	14447.12	6914.91	1576.13	330.67	-175.42	1523.59	96.93	15.83	PASS	
5825.00†	5497.16	1777.87	439.62	14485.08	6916.49	1575.04	358.56	-177.58	1436.04	101.47	14.25	PASS	
5925.00†	5590.51	1812.69	448.24	14510.37	6917.66	1574.00	383.79	-179.57	1349.99	107.35	12.65	PASS	
6025.00†	5683.85	1847.51	456.85	14533.07	6918.48	1573.02	406.46	-178.62	1265.77	114.83	11.09	PASS	
6125.00†	5777.20	1882.34	465.46	14552.04	6918.99	1572.17	425.41	-177.09	1183.85	124.13	9.59	PASS	
6225.00†	5870.54	1917.16	474.07	14568.15	6919.30	1571.43	441.49	-175.78	1104.75	135.49	8.19	PASS	
6325.00†	5963.89	1951.98	482.68	14581.98	6919.47	1570.78	455.31	-174.66	1029.18	149.15	6.93	PASS	
6425.00†	6057.23	1986.81	491.29	14594.19	6919.56	1570.20	467.51	-173.66	957.98	165.27	5.82	PASS	
6525.00†	6150.57	2021.63	499.90	14604.93	6919.57	1569.68	478.23	-172.78	892.24	183.88	4.87	PASS	
6625.00†	6243.92	2056.45	508.51	14614.33	6919.55	1569.21	487.62	-172.01	833.26	204.78	4.08	PASS	
6725.00†	6337.26	2091.28	517.12	14622.61	6919.49	1568.80	495.89	-171.33	782.58	227.39	3.45	PASS	
6825.00†	6430.61	2126.10	525.73	14629.97	6919.41	1568.42	503.25	-170.72	741.92	250.61	2.97	PASS	
6925.00†	6523.95	2160.92	534.34	14636.56	6919.32	1568.09	509.82	-170.18	713.00	272.82	2.62	PASS	
7025.00†	6617.30	2195.75	542.96	14642.49	6919.22	1567.78	515.74	-169.69	697.31	292.04	2.39	PASS	
7035.17	6626.79	2199.29	543.83	14643.06	6919.21	1567.75	516.31	-169.64	696.50	293.76	2.37	PASS	
7084.37†	6672.51	2216.34	549.96	14648.22	6919.11	1567.48	521.47	-168.80	694.73	301.39	2.31	PASS	
7125.00†	6709.85	2230.27	557.84	14654.46	6918.98	1567.15	527.69	-168.02	695.96	306.72	2.27	PASS	
7215.24†	6790.60	2260.38	564.33	14678.07	6918.30	1565.89	551.26	-164.83	706.91	315.53	2.24	PASS	
7225.00†	6799.11	2263.56	567.92	14682.21	6918.16	1565.67	555.40	-163.23	708.72	316.29	2.24	PASS	
7325.00†	6882.86	2294.78	632.54	14735.25	6916.18	1563.35	608.34	-118.13	732.58	321.84	2.28	PASS	
7425.00†	6959.05	2323.17	690.58	14804.01	6913.22	1561.68	677.01	-104.99	762.99	324.24	2.36	PASS	
7525.00†	7025.79	2348.03	760.63	14888.32	6909.55	1561.31	761.25	-93.66	795.26	325.25	2.45	PASS	
7625.00†	7081.45	2368.75	840.96	14986.29	6905.34	1563.32	859.10	-84.46	824.66	326.20	2.53	PASS	
7725.00†	7124.65	2384.81	929.59	15085.00	6901.12	1568.02	957.60	-77.87	847.29	327.55	2.59	PASS	
7825.00†	7154.32	2395.83	1024.34	15085.00	6901.12	1568.02	957.60	-75.26	868.24	324.63	2.68	PASS	
7925.00†	7169.75	2401.53	1122.87	15085.00	6901.12	1568.02	957.60	-73.06	891.19	319.78	2.79	PASS	
7984.11	7172.00	2402.33	1181.91	15085.00	6901.12	1568.02	957.60	-71.95	905.41	316.09	2.87	PASS	
8025.00†	7171.78	2402.22	1222.80	15085.00	6901.12	1568.02	957.60	-71.95	916.23	313.12	2.93	PASS	
8125.00†	7171.23	2401.96	1322.80	15085.00	6901.12	1568.02	957.60	-71.95	949.63	304.41	3.12	PASS	
8225.00†	7170.69	2401.70	1422.80	15085.00	6901.12	1568.02	957.60	-71.95	992.02	294.25	3.38	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	727.83	-4918.59	738.29	-4900.24
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.83	-4918.59	738.28	-4900.35
8.5in Open Hole	1766.00	9486.00	7720.00	1747.11	6898.21	738.29	-4900.24	839.35	-3871.61
8.5in Open Hole	9486.00	15085.00	5599.00	6898.21	6901.12	839.35	-3871.61	841.35	-2167.32

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14016.62	6976.58	1341.52	-208.66	-8.84	7082.91	119.15	59.90	PASS	
125.00†	125.00	0.00	0.00	14019.70	6976.63	1341.70	-205.58	-8.71	6984.79	120.25	58.52	PASS	
200.00	200.00	0.00	0.00	14022.03	6976.68	1341.83	-203.26	-8.61	6911.24	120.69	57.70	PASS	
225.00†	225.00	0.11	0.03	14022.86	6976.69	1341.88	-202.43	-23.46	6886.71	120.83	57.42	PASS	
325.00†	324.96	2.65	0.65	14027.26	6976.77	1342.13	-198.04	-28.15	6788.25	121.40	56.34	PASS	
425.00†	424.77	8.57	2.12	14033.37	6976.89	1342.46	-191.94	-34.85	6689.33	121.91	55.28	PASS	
525.00†	524.30	17.88	4.42	14041.13	6979.02	1342.87	-184.19	-44.92	6590.06	122.37	54.25	PASS	
625.00†	623.44	30.55	7.55	14051.18	6977.22	1343.36	-174.16	-60.50	6490.53	122.77	53.26	PASS	
725.00†	722.07	46.57	11.52	14067.08	6977.52	1344.07	-158.27	-83.01	6390.85	123.16	52.27	PASS	
825.00†	820.05	65.92	16.30	14084.62	6977.84	1344.76	-140.75	-108.93	6291.13	123.46	51.33	PASS	
925.00†	917.29	88.58	21.90	14103.54	6978.17	1345.39	-121.84	-129.96	6191.49	123.68	50.43	PASS	
1025.00†	1013.64	114.52	28.32	14123.60	6978.52	1345.92	-101.79	-143.87	6092.04	123.80	49.57	PASS	
1125.00†	1109.01	143.71	35.54	14154.37	6979.02	1346.50	-71.03	-153.29	5992.92	123.94	48.70	PASS	
1225.00†	1203.27	176.12	43.55	14209.72	6979.68	1347.12	-51.69	-160.79	5894.20	124.27	47.78	PASS	
1251.08	1227.65	185.09	45.77	14223.32	6979.79	1347.19	-2.09	-162.32	5868.55	124.32	47.55	PASS	
1325.00†	1296.66	210.83	52.13	14235.72	6979.88	1347.23	10.31	-162.89	5795.87	124.12	47.04	PASS	
1425.00†	1390.00	245.65	60.74	14247.49	6979.96	1347.24	22.08	-163.44	5697.60	123.77	46.37	PASS	
1525.00†	1483.35	280.48	69.36	14259.06	6980.04	1347.22	33.65	-163.99	5599.36	123.41	45.71	PASS	
1625.00†	1576.69	315.30	77.97	14270.45	6980.12	1347.18	45.04	-164.53	5501.17	123.03	45.04	PASS	
1725.00†	1670.04	350.12	86.58	14281.65	6980.20	1347.12	56.24	-165.07	5403.03	122.64	44.38	PASS	
1825.00†	1763.38	384.95	95.19	14292.67	6980.28	1347.03	67.26	-165.61	5304.94	122.01	43.73	PASS	
1925.00†	1856.72	419.77	103.80	14303.51	6980.35	1346.92	78.10	-166.15	5206.90	121.58	43.07	PASS	
2025.00†	1950.07	454.59	112.41	14314.19	6980.43	1346.80	88.78	-166.68	5108.92	121.13	42.42	PASS	
2125.00†	2043.41	489.42	121.02	14322.50	6980.48	1346.68	97.08	-167.10	5011.00	120.65	41.77	PASS	
2225.00†	2136.76	524.24	129.63	14329.55	6980.54	1346.58	104.13	-167.45	4913.16	120.13	41.13	PASS	
2325.00†	2230.10	559.06	138.24	14336.61	6980.60	1346.46	111.19	-167.81	4815.38	119.61	40.49	PASS	
2425.00†	2323.45	593.89	146.85	14343.68	6980.66	1346.33	118.26	-168.17	4717.69	119.07	39.85	PASS	
2525.00†	2416.79	628.71	155.46	14350.76	6980.73	1346.20	125.34	-168.54	4620.09	118.53	39.21	PASS	
2625.00†	2510.14	663.53	164.08	14357.86	6980.80	1346.05	132.44	-168.91	4522.57	117.97	38.56	PASS	
2725.00†	2603.48	698.35	172.69	14364.97	6980.87	1345.89	139.54	-169.28	4425.15	117.40	37.91	PASS	
2825.00†	2696.83	733.18	181.30	14372.08	6980.95	1345.72	146.66	-169.65	4327.84	116.83	37.26	PASS	
2925.00†	2790.17	768.00	189.91	14379.21	6981.04	1345.55	153.78	-170.03	4230.63	116.24	36.61	PASS	
3025.00†	2883.51	802.82	198.52	14386.35	6981.13	1345.36	160.92	-170.41	4133.54	115.66	35.95	PASS	
3125.00†	2976.86	837.65	207.13	14393.50	6981.22	1345.16	168.07	-170.79	4036.58	115.06	35.29	PASS	
3225.00†	3070.20	872.47	215.74	14400.67	6981.32	1344.95	175.23	-171.18	3939.76	114.47	34.63	PASS	
3325.00†	3163.55	907.29	224.35	14408.38	6981.43	1344.72	182.93	-171.59	3843.08	113.88	33.95	PASS	
3425.00†	3256.89	942.12	232.96	14419.86	6981.59	1344.34	194.41	-172.22	3746.55	113.33	33.26	PASS	
3525.00†	3350.24	976.94	241.57	14430.96	6981.75	1343.93	205.50	-172.83	3650.18	112.79	32.56	PASS	
3625.00†	3443.58	1011.76	250.18	14441.69	6981.89	1343.50	216.22	-173.42	3553.99	112.26	31.85	PASS	
3725.00†	3536.93	1046.58	258.80	14452.06	6982.03	1343.06	226.58	-174.00	3457.99	111.76	31.13	PASS	
3825.00†	3630.27	1081.41	267.41	14462.10	6982.16	1342.59	236.61	-174.56	3362.19	111.28	30.40	PASS	
3925.00†	3723.62	1116.23	276.02	14471.83	6982.29	1342.12	246.32	-175.11	3266.62	110.86	29.65	PASS	
4025.00†	3816.96	1151.05	284.63	14481.25	6982.40	1341.63	255.73	-175.65	3171.31	110.49	28.88	PASS	
4125.00†	3910.30	1185.88	293.24	14490.38	6982.51	1341.13	264.84	-176.17	3076.26	110.20	28.09	PASS	
4225.00†	4003.65	1220.70	301.85	14498.90	6982.62	1340.64	273.35	-176.66	2981.52	110.01	27.27	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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
4325.00†	4096.99	1255.52	310.46	14506.31	6982.71	1340.20	280.75	-177.08	2887.11	109.93	26.43	PASS
4425.00†	4190.34	1290.35	319.07	14513.65	6982.79	1339.76	288.08	-177.51	2793.06	110.02	25.54	PASS
4525.00†	4283.68	1325.17	327.68	14520.93	6982.88	1339.31	295.34	-177.93	2699.43	110.30	24.62	PASS
4625.00†	4377.03	1359.99	336.29	14528.14	6982.97	1338.86	302.53	-178.35	2606.25	110.82	23.66	PASS
4725.00†	4470.37	1394.82	344.90	14535.28	6983.06	1338.40	309.66	-178.77	2513.57	111.64	22.65	PASS
4825.00†	4563.72	1429.64	353.52	14542.36	6983.15	1337.93	316.73	-179.18	2421.45	112.80	21.60	PASS
4925.00†	4657.06	1464.46	362.13	14549.38	6983.24	1337.46	323.73	-179.59	2329.96	114.39	20.49	PASS
5025.00†	4750.41	1499.28	370.74	14556.34	6983.33	1336.99	330.67	180.00	2239.17	116.48	19.33	PASS
5125.00†	4843.75	1534.11	379.35	14563.23	6983.42	1336.51	337.55	179.59	2149.18	119.16	18.14	PASS
5225.00†	4937.10	1568.93	387.96	14570.06	6983.51	1336.03	344.36	179.19	2060.08	122.54	16.90	PASS
5325.00†	5030.44	1603.75	396.57	14576.84	6983.60	1335.54	351.12	178.78	1972.01	126.72	15.64	PASS
5425.00†	5123.78	1638.58	405.18	14583.55	6983.69	1335.05	357.82	178.38	1885.10	131.81	14.37	PASS
5525.00†	5217.13	1673.40	413.79	14591.64	6983.79	1334.46	365.88	177.90	1799.52	137.99	13.10	PASS
5625.00†	5310.47	1708.22	422.40	14601.30	6983.92	1333.77	375.51	177.33	1715.47	145.38	11.85	PASS
5725.00†	5403.82	1743.05	431.01	14611.05	6984.03	1333.10	385.24	176.74	1633.17	154.09	10.64	PASS
5825.00†	5497.16	1777.87	439.62	14620.89	6984.14	1332.46	395.06	176.15	1552.90	164.26	9.49	PASS
5925.00†	5590.51	1812.69	448.24	14630.83	6984.25	1331.84	404.98	175.56	1474.99	176.01	8.41	PASS
6025.00†	5683.85	1847.51	456.85	14640.87	6984.34	1331.24	415.00	174.96	1399.85	189.46	7.41	PASS
6125.00†	5777.20	1882.34	465.46	14651.00	6984.43	1330.67	425.11	174.35	1327.92	204.70	6.51	PASS
6225.00†	5870.54	1917.16	474.07	14661.23	6984.51	1330.13	435.33	173.73	1259.78	221.76	5.70	PASS
6325.00†	5963.89	1951.98	482.68	14671.56	6984.59	1329.62	445.64	173.11	1196.06	240.61	4.98	PASS
6425.00†	6057.23	1986.81	491.29	14681.35	6984.65	1329.16	455.42	172.52	1137.50	261.07	4.37	PASS
6525.00†	6150.57	2021.63	499.90	14691.15	6984.73	1328.74	465.22	171.92	1084.95	282.87	3.84	PASS
6625.00†	6243.92	2056.45	508.51	14701.59	6984.82	1328.34	475.65	171.29	1039.30	305.52	3.41	PASS
6725.00†	6337.26	2091.28	517.12	14712.73	6984.92	1327.97	486.78	170.62	1001.51	328.32	3.05	PASS
6825.00†	6430.61	2126.10	525.73	14724.63	6985.05	1327.63	498.68	169.90	972.47	350.36	2.78	PASS
6925.00†	6523.95	2160.92	534.34	14737.39	6985.21	1327.34	511.43	169.13	952.97	370.62	2.57	PASS
7025.00†	6617.30	2195.75	542.96	14751.10	6985.39	1327.10	525.14	168.30	943.59	388.09	2.43	PASS
7035.17	6626.79	2199.29	543.83	14752.55	6985.41	1327.08	526.59	168.21	943.22	389.67	2.42	PASS
7064.37†	6653.98	2209.43	547.01	14760.55	6985.53	1326.98	534.59	161.32	942.76	394.20	2.39	PASS
7125.00†	6709.85	2230.27	557.84	14772.69	6985.72	1326.87	546.72	148.73	944.64	402.19	2.35	PASS
7225.00†	6799.11	2263.56	587.92	14807.87	6986.23	1326.68	581.90	131.72	955.40	412.69	2.32	PASS
7264.53†	6832.99	2276.19	603.87	14826.35	6986.48	1326.63	600.38	126.08	961.89	415.96	2.31	PASS
7325.00†	6882.86	2294.78	632.54	14858.63	6986.90	1326.64	632.65	118.38	973.71	420.06	2.32	PASS
7425.00†	6959.05	2323.17	690.58	14913.51	6987.81	1326.61	687.52	107.89	996.98	424.60	2.35	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	715.61	-4918.44	716.93	-4893.79
9.625in Casing Surface	25.00	1774.00	1749.00	10.00	1755.10	715.61	-4918.44	716.99	-4893.37
8.5in Open Hole	1760.00	15173.00	13413.00	1741.17	6992.97	716.93	-4893.79	760.91	-2170.52

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

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

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	138.82	159.74	1.56	264.63	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-120.22	105.18	138.82	159.74	1.89	171.59	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-120.22	105.18	138.82	159.74	2.31	117.70	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	-120.22	105.18	124.96	159.80	2.46	106.48	PASS	
325.00†	324.96	2.65	0.65	326.35	326.35	-120.17	105.08	125.73	161.21	3.19	71.99	PASS	
425.00†	424.77	8.57	2.12	431.70	431.66	-118.75	102.54	127.91	162.30	4.45	46.23	PASS	
525.00†	524.30	17.88	4.42	536.62	536.35	-115.47	96.65	131.62	162.58	5.95	32.41	PASS	
625.00†	623.44	30.55	7.55	640.80	639.99	-110.36	87.50	136.82	162.85	7.22	25.88	PASS	
725.00†	722.07	46.57	11.52	743.95	742.18	-103.49	75.20	143.43	164.25	8.37	22.05	PASS	
825.00†	820.05	65.92	16.30	843.82	840.63	-95.33	60.56	150.93	168.47	9.33	20.01	PASS	
925.00†	917.29	88.58	21.90	940.65	936.00	-87.17	45.95	158.25	178.37	10.22	19.16	PASS	
1025.00†	1013.64	114.52	28.32	1036.78	1030.68	-79.07	31.44	164.97	194.37	11.16	18.96	PASS	
1125.00†	1109.01	143.71	35.54	1132.08	1124.54	-71.05	17.05	170.77	216.11	12.20	19.14	PASS	
1225.00†	1203.27	176.12	43.55	1226.44	1217.48	-63.10	2.81	175.59	243.07	13.16	19.86	PASS	
1251.08	1227.65	185.09	45.77	1250.87	1241.55	-61.04	-0.88	176.69	250.90	13.40	20.10	PASS	
1325.00†	1296.66	210.83	52.13	1320.05	1309.68	-55.21	-11.32	179.50	273.82	14.03	20.89	PASS	
1425.00†	1390.00	245.65	60.74	1413.62	1401.85	-47.33	-25.44	-177.36	305.63	14.88	21.89	PASS	
1525.00†	1483.35	280.48	69.36	1507.19	1494.01	-39.45	-39.57	-174.80	338.13	15.78	22.76	PASS	
1625.00†	1576.69	315.30	77.97	1600.77	1586.18	-31.57	-53.69	-172.69	371.14	16.72	23.50	PASS	
1725.00†	1670.04	350.12	86.58	1694.34	1678.34	-23.69	-67.81	-170.92	404.52	17.69	24.13	PASS	
1825.00†	1763.38	384.95	95.19	1787.91	1770.51	-15.81	-81.94	-169.42	438.21	18.11	25.14	PASS	
1925.00†	1856.72	419.77	103.80	1881.48	1862.67	-7.92	-96.06	-168.13	472.12	18.35	26.72	PASS	
2025.00†	1950.07	454.59	112.41	1975.06	1954.84	-0.04	-110.18	-167.01	506.23	18.55	28.34	PASS	
2125.00†	2043.41	489.42	121.02	2068.63	2047.00	7.84	-124.31	-166.03	540.48	18.81	29.82	PASS	
2225.00†	2136.76	524.24	129.63	2162.20	2139.17	15.72	-138.43	-165.17	574.85	19.14	31.14	PASS	
2325.00†	2230.10	559.06	138.24	2255.78	2231.33	23.60	-152.56	-164.40	609.33	19.54	32.32	PASS	
2425.00†	2323.45	593.89	146.85	2349.35	2323.49	31.48	-166.68	-163.72	643.89	20.00	33.35	PASS	
2525.00†	2416.79	628.71	155.46	2442.92	2415.66	39.37	-180.80	-163.10	678.53	20.51	34.24	PASS	
2625.00†	2510.14	663.53	164.08	2536.50	2507.82	47.25	-194.93	-162.55	713.23	21.07	34.99	PASS	
2725.00†	2603.48	698.35	172.69	2630.07	2599.99	55.13	-209.05	-162.05	747.98	21.68	35.63	PASS	
2825.00†	2696.83	733.18	181.30	2723.64	2692.15	63.01	-223.17	-161.59	782.78	22.34	36.15	PASS	
2925.00†	2790.17	768.00	189.91	2817.21	2784.32	70.89	-237.30	-161.17	817.62	23.04	36.59	PASS	
3025.00†	2883.51	802.82	198.52	2910.79	2876.48	78.77	-251.42	-160.78	852.49	23.77	36.93	PASS	
3125.00†	2976.86	837.65	207.13	3004.36	2968.65	86.65	-265.54	-160.43	887.40	24.54	37.21	PASS	
3225.00†	3070.20	872.47	215.74	3097.93	3060.81	94.54	-279.67	-160.10	922.33	25.34	37.42	PASS	
3325.00†	3163.55	907.29	224.35	3191.51	3152.98	102.42	-293.79	-159.79	957.29	26.16	37.58	PASS	
3425.00†	3256.89	942.12	232.96	3285.08	3245.14	110.30	-307.92	-159.51	992.27	27.01	37.70	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	64.12	-42.44	8.83
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.17	-73.29	64.12	-42.44	8.83
8.5in Open Hole	1750.00	16660.50	14910.50	1733.17	7145.00	-42.44	8.83	90.56	2740.15

SURVEY PROGRAM - Offset Wellbore: 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	143.06	175.03	1.56	290.11	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-139.90	105.18	143.06	175.03	1.89	188.30	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-139.90	105.18	143.06	175.03	2.31	129.76	PASS	
225.00†	225.00	0.11	0.03	226.34	226.34	-139.86	105.07	129.23	175.00	2.46	116.65	PASS	
325.00†	324.96	2.65	0.65	331.60	331.55	-138.88	102.34	130.46	174.39	3.51	68.05	PASS	
425.00†	424.77	8.57	2.12	436.39	436.12	-136.62	96.00	133.35	173.27	5.06	42.09	PASS	
525.00†	524.30	17.88	4.42	540.36	539.56	-133.10	86.16	137.88	172.36	6.28	32.22	PASS	
553.73†	552.83	21.17	5.24	569.76	568.73	-131.88	82.74	139.46	172.29	6.60	30.39	PASS	
625.00†	623.44	30.55	7.55	643.15	641.39	-128.39	72.97	143.96	172.80	7.37	26.81	PASS	
725.00†	722.07	46.57	11.52	741.53	738.50	-123.09	58.15	150.81	176.72	8.27	24.05	PASS	
825.00†	820.05	65.92	16.30	838.57	834.28	-117.85	43.47	157.58	186.31	9.23	22.43	PASS	
925.00†	917.29	88.58	21.90	934.92	929.37	-112.64	28.90	163.87	201.71	10.24	21.64	PASS	
1025.00†	1013.64	114.52	28.32	1030.46	1023.67	-107.48	14.45	169.39	222.66	11.26	21.54	PASS	
1125.00†	1109.01	143.71	35.54	1125.07	1117.06	-102.37	0.14	174.05	248.74	12.30	21.86	PASS	
1225.00†	1203.27	176.12	43.55	1218.65	1209.42	-97.31	-14.01	177.88	279.49	13.33	22.53	PASS	
1251.08	1227.65	185.09	45.77	1242.86	1233.32	-96.00	-17.67	178.75	288.22	13.57	22.78	PASS	
1325.00†	1296.66	210.83	52.13	1311.40	1300.97	-92.30	-28.03	-179.02	313.58	14.18	23.65	PASS	
1425.00†	1390.00	245.65	60.74	1404.11	1392.48	-87.29	-42.06	-176.51	348.46	15.02	24.73	PASS	
1525.00†	1483.35	280.48	69.36	1496.82	1483.99	-82.28	-56.08	-174.45	383.83	15.89	25.66	PASS	
1625.00†	1576.63	315.30	77.97	1589.54	1575.50	-77.27	-70.10	-172.74	419.57	16.78	26.46	PASS	
1725.00†	1670.04	350.12	86.58	1682.25	1667.00	-72.26	-84.12	-171.29	455.58	17.71	27.15	PASS	
1825.00†	1763.38	384.95	95.19	1774.96	1758.51	-67.25	-98.14	-170.06	491.81	18.13	28.19	PASS	
1925.00†	1856.72	419.77	103.80	1867.67	1850.02	-62.24	-112.16	-168.99	528.22	18.37	29.86	PASS	
2025.00†	1950.07	454.59	112.41	1960.39	1941.53	-57.23	-126.18	-168.06	564.77	18.54	31.63	PASS	
2125.00†	2043.41	489.42	121.02	2053.10	2033.04	-52.22	-140.20	-167.24	601.43	18.78	33.24	PASS	
2225.00†	2136.76	524.24	129.63	2145.81	2124.55	-47.21	-154.23	-166.51	638.18	19.09	34.68	PASS	
2325.00†	2230.10	559.06	138.24	2238.52	2216.06	-42.20	-168.25	-165.87	675.02	19.46	35.96	PASS	
2425.00†	2323.45	593.89	146.85	2331.23	2307.57	-37.19	-182.27	-165.29	711.92	19.89	37.08	PASS	
2525.00†	2416.79	628.71	155.46	2423.95	2399.08	-32.18	-196.29	-164.77	748.88	20.38	38.04	PASS	
2625.00†	2510.14	663.53	164.08	2516.66	2490.59	-27.17	-210.31	-164.29	785.89	20.92	38.85	PASS	
2725.00†	2603.48	698.35	172.69	2609.37	2582.09	-22.16	-224.33	-163.86	822.94	21.51	39.53	PASS	
2825.00†	2696.83	733.18	181.30	2702.08	2673.60	-17.15	-238.35	-163.47	860.02	22.14	40.10	PASS	
2925.00†	2790.17	768.00	189.91	2794.80	2765.11	-12.14	-252.37	-163.10	897.14	22.81	40.56	PASS	
3025.00†	2883.51	802.82	198.52	2887.51	2856.62	-7.13	-266.40	-162.77	934.29	23.52	40.93	PASS	
3125.00†	2976.86	837.65	207.13	2980.22	2948.13	-2.12	-280.42	-162.47	971.46	24.26	41.21	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	64.12	-63.55	3.30
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.88	-85.28	64.12	-63.55	3.30
8.5in Open Hole	1750.00	16539.93	14789.93	1733.88	7027.00	-63.55	3.30	17.93	2741.20

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14219.60	7165.55	1055.86	-158.44	-8.53	7219.94	112.53	64.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	703.39	-4918.45	698.52	-4887.37
9.625in Casing Surface	25.00	1779.00	1754.00	10.00	1759.13	703.39	-4918.45	698.47	-4886.95
8.5in Open Hole	1765.00	15339.00	13574.00	1745.19	7179.20	698.52	-4887.37	672.43	-2166.43

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	146.67	191.42	1.56	317.43	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-159.93	105.18	146.67	191.42	1.89	206.36	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-159.93	105.18	146.67	191.42	2.31	141.61	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	-159.93	105.18	132.80	191.50	2.45	128.11	PASS	
325.00†	324.96	2.65	0.65	326.14	326.14	-159.92	105.06	133.38	193.21	3.23	84.93	PASS	
425.00†	424.77	8.57	2.12	430.54	430.49	-159.46	102.25	135.33	195.69	4.43	56.15	PASS	
525.00†	524.30	17.88	4.42	534.25	533.99	-158.41	95.73	138.76	198.77	5.69	41.85	PASS	
625.00†	623.44	30.55	7.55	636.84	636.07	-156.79	85.65	143.49	203.36	6.79	34.73	PASS	
725.00†	722.07	46.57	11.52	737.93	736.22	-154.63	72.20	149.26	210.62	7.83	30.53	PASS	
825.00†	820.05	65.92	16.30	834.94	832.03	-152.20	57.13	155.27	222.23	8.80	28.22	PASS	
925.00†	917.29	88.58	21.90	930.65	926.54	-149.80	42.23	160.85	239.43	9.82	26.91	PASS	
1025.00†	1013.64	114.52	28.32	1025.46	1020.16	-147.42	27.46	165.84	262.03	10.86	26.37	PASS	
1125.00†	1109.01	143.71	35.54	1119.24	1112.77	-145.07	12.85	170.14	289.70	11.89	26.43	PASS	
1225.00†	1203.27	176.12	43.55	1211.88	1204.25	-142.75	-1.57	173.78	322.04	12.89	26.93	PASS	
1251.08	1227.65	185.09	45.77	1235.84	1227.91	-142.15	-5.31	174.63	331.20	13.13	27.15	PASS	
1325.00†	1296.66	210.83	52.13	1303.63	1294.85	-140.45	-15.86	176.85	357.81	13.72	27.97	PASS	
1425.00†	1390.00	245.65	60.74	1395.34	1385.41	-138.15	-30.15	179.39	394.45	14.54	28.99	PASS	
1525.00†	1483.35	280.48	69.36	1487.05	1475.97	-135.85	-44.43	178.49	431.66	15.36	29.91	PASS	
1625.00†	1576.89	315.30	77.97	1578.75	1566.53	-133.55	-58.71	176.71	469.31	16.21	30.72	PASS	
1725.00†	1670.04	350.12	86.58	1670.46	1657.09	-131.25	-73.00	175.19	507.30	17.08	31.42	PASS	
1825.00†	1763.38	384.95	95.19	1762.17	1747.65	-128.95	-87.28	173.87	545.56	17.49	32.46	PASS	
1925.00†	1856.72	419.77	103.80	1853.88	1838.21	-126.65	-101.56	172.73	584.03	17.75	34.23	PASS	
2025.00†	1950.07	454.59	112.41	1945.58	1928.77	-124.36	-115.85	171.73	622.69	17.91	36.17	PASS	
2125.00†	2043.41	489.42	121.02	2037.29	2019.33	-122.06	-130.13	170.84	661.48	18.13	37.92	PASS	
2225.00†	2136.76	524.24	129.63	2129.00	2109.89	-119.76	-144.41	170.05	700.40	18.43	39.48	PASS	
2325.00†	2230.10	559.06	138.24	2220.71	2200.44	-117.46	-158.70	169.34	739.41	18.79	40.84	PASS	
2425.00†	2323.45	593.89	146.85	2312.42	2291.00	-115.16	-172.98	168.71	778.52	19.22	42.01	PASS	
2525.00†	2416.79	628.71	155.46	2404.12	2381.56	-112.86	-187.26	168.13	817.70	19.71	43.01	PASS	
2625.00†	2510.14	663.53	164.08	2495.83	2472.12	-110.56	-201.55	167.61	856.94	20.24	43.83	PASS	
2725.00†	2603.48	698.35	172.69	2587.54	2562.68	-108.26	-215.83	167.13	896.24	20.83	44.51	PASS	
2825.00†	2696.83	733.18	181.30	2679.25	2653.24	-105.96	-230.11	166.69	935.58	21.46	45.06	PASS	
2925.00†	2790.17	768.00	189.91	2770.95	2743.80	-103.66	-244.40	166.29	974.97	22.13	45.49	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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	64.12	-88.15	6.03
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.63	-97.50	64.12	-88.15	6.03
8.5in Open Hole	25.00	16467.87	16442.87	25.00	6962.00	-97.50	64.12	-55.35	2742.24

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	149.70	208.45	1.56	345.82	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-179.97	105.18	149.70	208.45	1.89	225.18	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-179.97	105.18	149.70	208.45	2.30	155.21	PASS	
225.00†	225.00	0.11	0.03	225.89	225.89	-179.98	105.06	135.86	208.48	2.45	140.03	PASS	
325.00†	324.96	2.65	0.65	329.29	329.24	-180.08	102.27	137.04	209.12	3.34	87.55	PASS	
425.00†	424.77	8.57	2.12	432.06	431.81	-180.32	95.79	139.74	210.96	4.63	57.31	PASS	
525.00†	524.30	17.88	4.42	533.72	532.97	-180.68	85.78	143.81	214.76	5.72	44.99	PASS	
625.00†	623.44	30.55	7.55	633.68	632.03	-181.17	72.45	148.96	221.61	6.77	38.00	PASS	
725.00†	722.07	46.57	11.52	730.53	727.80	-181.70	58.06	154.32	233.03	7.82	33.83	PASS	
825.00†	820.05	65.92	16.30	826.61	822.82	-182.22	43.79	159.39	249.68	8.92	31.27	PASS	
925.00†	917.29	88.58	21.90	921.81	916.96	-182.74	29.64	163.99	271.43	10.00	29.94	PASS	
1025.00†	1013.64	114.52	28.32	1016.00	1010.10	-183.25	15.65	168.03	298.07	11.05	29.46	PASS	
1125.00†	1109.01	143.71	35.54	1109.08	1102.14	-183.76	1.82	171.50	329.27	12.06	29.58	PASS	
1225.00†	1203.27	176.12	43.55	1200.92	1192.97	-184.26	-11.82	174.44	364.75	13.10	29.98	PASS	
1251.08	1227.65	185.09	45.77	1224.66	1216.44	-184.39	-15.35	175.13	374.67	13.27	30.36	PASS	
1325.00†	1296.66	210.83	52.13	1291.81	1282.84	-184.75	-25.32	176.95	403.33	13.83	31.26	PASS	
1425.00†	1390.00	245.65	60.74	1382.65	1372.67	-185.25	-38.82	179.04	442.59	14.60	32.39	PASS	
1525.00†	1483.35	280.48	69.36	1473.49	1462.50	-185.74	-52.31	-179.20	482.28	15.38	33.40	PASS	
1625.00†	1576.69	315.30	77.97	1564.33	1552.33	-186.24	-65.81	-177.70	522.31	16.17	34.29	PASS	
1725.00†	1670.04	350.12	86.58	1655.16	1642.16	-186.73	-79.30	-176.42	562.59	16.98	35.07	PASS	
1825.00†	1763.38	384.95	95.19	1746.00	1731.99	-187.23	-92.80	-175.30	603.08	17.44	36.10	PASS	
1925.00†	1856.72	419.77	103.80	1836.84	1821.82	-187.72	-106.29	-174.33	643.74	17.66	37.93	PASS	
2025.00†	1950.07	454.59	112.41	1927.68	1911.65	-188.21	-119.79	-173.47	684.54	17.79	40.02	PASS	
2125.00†	2043.41	489.42	121.02	2018.52	2001.48	-188.71	-133.28	-172.70	725.45	18.00	41.90	PASS	
2225.00†	2136.76	524.24	129.63	2109.36	2091.31	-189.20	-146.78	-172.02	766.46	18.28	43.57	PASS	
2325.00†	2230.10	559.06	138.24	2200.20	2181.14	-189.70	-160.27	-171.40	807.56	18.63	45.03	PASS	
2425.00†	2323.45	593.89	146.85	2291.03	2270.97	-190.19	-173.77	-170.85	848.72	19.03	46.28	PASS	
2525.00†	2416.79	628.71	155.46	2381.87	2360.80	-190.69	-187.26	-170.34	889.95	19.49	47.34	PASS	
2625.00†	2510.14	663.53	164.08	2472.71	2450.62	-191.18	-200.75	-169.88	931.22	20.01	48.22	PASS	
2725.00†	2603.48	698.35	172.69	2563.55	2540.45	-191.68	-214.25	-169.46	972.55	20.57	48.93	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	64.12	-111.93	3.59
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.94	-109.71	64.12	-111.93	3.59
8.5in Open Hole	1750.00	16646.36	14896.36	1735.94	N/A	-111.93	3.59	N/A	N/A

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, 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	331.42	72.21	348.06	25.57	14.11	PASS	
125.00†	125.00	0.00	0.00	99.00	125.00	106.34	331.42	72.21	348.06	50.37	7.02	PASS	
200.00	200.00	0.00	0.00	174.00	200.00	106.34	331.42	72.21	348.06	51.07	6.93	PASS	
225.00†	225.00	0.11	0.03	199.00	225.00	106.34	331.42	58.34	348.00	51.31	6.89	PASS	
325.00†	324.96	2.65	0.65	298.96	324.96	106.34	331.42	58.73	346.64	52.97	6.65	PASS	
425.00†	424.77	8.57	2.12	398.77	424.77	106.34	331.42	59.65	343.50	55.23	6.31	PASS	
525.00†	524.30	17.88	4.42	498.30	524.30	106.34	331.42	61.13	338.75	57.97	5.93	PASS	
625.00†	623.44	30.55	7.55	597.44	623.44	106.34	331.42	63.19	332.61	61.06	5.52	PASS	
725.00†	722.07	46.57	11.52	696.07	722.07	106.34	331.42	65.89	325.44	64.41	5.11	PASS	
825.00†	820.05	65.92	16.30	794.05	820.05	106.34	331.42	69.26	317.70	67.97	4.73	PASS	
925.00†	917.29	88.58	21.90	891.29	917.29	106.34	331.42	73.34	310.02	71.69	4.37	PASS	
1025.00†	1013.64	114.52	28.32	987.64	1013.64	106.34	331.42	78.15	303.21	75.53	4.06	PASS	
1125.00†	1109.01	143.71	35.54	1083.01	1109.01	106.34	331.42	83.63	298.23	79.48	3.79	PASS	
1225.00†	1203.27	176.12	43.55	1177.27	1203.27	106.34	331.42	89.75	296.20	83.52	3.58	PASS	
1226.96†	1205.10	176.78	43.71	1180.00	1206.00	106.34	331.42	89.94	296.20	83.63	3.57	PASS	
1251.08	1227.65	185.09	45.77	1201.65	1227.65	106.34	331.42	91.42	296.30	84.58	3.53	PASS	
1325.00†	1296.66	210.83	52.13	1270.66	1296.66	106.34	331.42	96.19	298.19	87.65	3.43	PASS	
1425.00†	1390.00	245.65	60.74	1364.00	1390.00	106.34	331.42	102.49	304.42	91.85	3.34	PASS	
1525.00†	1483.35	280.48	69.36	1457.35	1483.35	106.34	331.42	108.49	314.64	96.09	3.30	PASS	
1581.14†	1535.75	300.03	74.19	1509.75	1535.75	106.34	331.42	111.70	321.99	98.48	3.29	PASS	
1625.00†	1576.69	315.30	77.97	1550.69	1576.69	106.34	331.42	114.11	328.48	100.35	3.30	PASS	
1725.00†	1670.04	350.12	86.58	1644.04	1670.04	106.34	331.42	119.27	345.51	104.62	3.32	PASS	
1825.00†	1763.38	384.95	95.19	1737.38	1763.38	106.34	331.42	123.97	365.27	108.43	3.38	PASS	
1925.00†	1856.72	419.77	103.80	1830.72	1856.72	106.34	331.42	128.19	387.36	112.32	3.46	PASS	
2025.00†	1950.07	454.59	112.41	1924.07	1950.07	106.34	331.42	131.98	411.39	116.26	3.55	PASS	
2125.00†	2043.41	489.42	121.02	2017.41	2043.41	106.34	331.42	135.36	437.05	120.24	3.65	PASS	
2225.00†	2136.76	524.24	129.63	2110.76	2136.76	106.34	331.42	138.39	464.06	124.26	3.75	PASS	
2325.00†	2230.10	559.06	138.24	2204.10	2230.10	106.34	331.42	141.09	492.21	128.32	3.85	PASS	
2425.00†	2323.45	593.89	146.85	2297.45	2323.45	106.34	331.42	143.51	521.31	132.42	3.95	PASS	
2525.00†	2416.79	628.71	155.46	2390.79	2416.79	106.34	331.42	145.68	551.20	136.54	4.05	PASS	
2625.00†	2510.14	663.53	164.08	2484.14	2510.14	106.34	331.42	147.64	581.78	140.70	4.15	PASS	
2725.00†	2603.48	698.35	172.69	2577.48	2603.48	106.34	331.42	149.40	612.92	144.89	4.25	PASS	
2825.00†	2696.83	733.18	181.30	2670.83	2696.83	106.34	331.42	151.00	644.56	149.10	4.34	PASS	
2925.00†	2790.17	768.00	189.91	2764.17	2790.17	106.34	331.42	152.45	676.62	153.33	4.43	PASS	
3025.00†	2883.51	802.82	198.52	2857.51	2883.51	106.34	331.42	153.78	709.05	157.59	4.52	PASS	
3125.00†	2976.86	837.65	207.13	2950.86	2976.86	106.34	331.42	154.99	741.79	161.87	4.60	PASS	
3225.00†	3070.20	872.47	215.74	3044.20	3070.20	106.34	331.42	156.10	774.81	166.17	4.68	PASS	
3325.00†	3163.55	907.29	224.35	3137.55	3163.55	106.34	331.42	157.12	808.07	170.49	4.76	PASS	
3425.00†	3256.89	942.12	232.96	3230.89	3256.89	106.34	331.42	158.06	841.55	174.82	4.83	PASS	
3525.00†	3350.24	976.94	241.57	3324.24	3350.24	106.34	331.42	158.93	875.22	179.18	4.90	PASS	
3625.00†	3443.58	1011.76	250.18	3417.58	3443.58	106.34	331.42	159.74	909.06	183.55	4.97	PASS	
3725.00†	3536.93	1046.58	258.80	3510.93	3536.93	106.34	331.42	160.49	943.04	187.93	5.03	PASS	
3825.00†	3630.27	1081.41	267.41	3604.27	3630.27	106.34	331.42	161.18	977.16	192.34	5.10	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	14144.37	7059.82	862.41	-170.96	-11.21	7089.54	109.43	65.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: HOOD 36N-22C-M AWB Offset Wellpath: HOOD 36N-22C-M AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1755.00	1730.00	10.00	1732.42	691.18	-4918.46	667.97	-4884.48
9.625in Casing Surface	25.00	1767.00	1742.00	10.00	1744.34	691.18	-4918.46	667.78	-4884.11
8.5in Open Hole	1755.00	15267.00	13512.00	1732.42	7080.20	667.97	-4884.48	602.16	-2169.38

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	152.26	225.98	1.56	375.03	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-200.01	105.18	152.26	225.98	1.88	244.44	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-200.01	105.18	152.26	225.98	2.30	167.80	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	-200.01	105.18	138.39	226.06	2.45	151.80	PASS	
325.00†	324.96	2.65	0.65	325.46	325.46	-200.03	105.07	138.83	228.00	3.25	99.27	PASS	
425.00†	424.77	8.57	2.12	427.06	427.01	-200.64	102.44	140.44	232.04	4.38	67.70	PASS	
525.00†	524.30	17.88	4.42	527.73	527.49	-202.05	96.37	143.30	238.39	5.41	53.40	PASS	
625.00†	623.44	30.55	7.55	626.96	626.25	-204.21	87.02	147.17	247.86	6.42	45.21	PASS	
725.00†	722.07	46.57	11.52	724.26	722.71	-207.08	74.63	151.75	261.38	7.49	39.93	PASS	
825.00†	820.05	65.92	16.30	819.63	816.91	-210.44	60.08	156.56	279.83	8.59	36.55	PASS	
925.00†	917.29	88.58	21.90	913.96	910.05	-213.81	45.54	160.97	303.40	9.69	34.64	PASS	
1025.00†	1013.64	114.52	28.32	1007.19	1002.10	-217.14	31.16	164.88	331.87	10.76	33.78	PASS	
1125.00†	1109.01	143.71	35.54	1099.20	1092.95	-220.42	16.97	168.28	364.96	11.78	33.67	PASS	
1225.00†	1203.27	176.12	43.55	1189.88	1182.49	-223.65	2.98	171.20	402.36	12.54	34.67	PASS	
1251.08	1227.65	185.09	45.77	1213.29	1205.60	-224.49	-0.63	171.89	412.79	13.00	34.22	PASS	
1325.00†	1296.66	210.83	52.13	1279.53	1271.00	-226.85	-10.85	173.76	442.94	13.49	35.28	PASS	
1425.00†	1390.00	245.65	60.74	1369.12	1359.47	-230.05	-24.67	175.93	484.27	14.29	36.27	PASS	
1525.00†	1483.35	280.48	69.36	1458.72	1447.94	-233.25	-38.48	177.76	526.11	15.05	37.29	PASS	
1625.00†	1576.69	315.30	77.97	1548.32	1536.40	-236.44	-52.30	179.33	568.34	15.81	38.21	PASS	
1725.00†	1670.04	350.12	86.58	1637.91	1624.87	-239.64	-66.12	179.31	610.88	16.59	39.03	PASS	
1825.00†	1763.38	384.95	95.19	1727.51	1713.34	-242.84	-79.94	178.13	653.67	17.07	40.02	PASS	
1925.00†	1856.72	419.77	103.80	1817.11	1801.80	-246.03	-93.76	177.09	696.66	17.30	41.94	PASS	
2025.00†	1950.07	454.59	112.41	1906.70	1890.27	-249.23	-107.58	176.17	739.82	17.45	44.16	PASS	
2125.00†	2043.41	489.42	121.02	1996.30	1978.74	-252.43	-121.40	175.35	783.12	17.64	46.21	PASS	
2225.00†	2136.76	524.24	129.63	2085.90	2067.21	-255.63	-135.22	174.61	826.54	17.91	48.02	PASS	
2325.00†	2230.10	559.06	138.24	2175.50	2155.67	-258.82	-149.03	173.95	870.06	18.24	49.60	PASS	
2425.00†	2323.45	593.89	146.85	2265.09	2244.14	-262.02	-162.85	173.35	913.66	18.63	50.94	PASS	
2525.00†	2416.79	628.71	155.46	2354.69	2332.61	-265.22	-176.67	172.81	957.34	19.08	52.07	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	64.12	-135.22	6.64
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.54	-121.93	64.12	-135.22	6.64
8.5in Open Hole	1750.00	16548.66	14798.66	1735.54	N/A	-135.22	6.64	N/A	N/A

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-26C-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-26C-L PWB
1750.00	16548.66	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-26C-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 41N-26C-L PWB Offset Wellpath: TROUDT 41N-26C-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	94.27	7050.97	89.23	7051.60	25.57	286.59	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)

Facility: SEC.24-T06N-R66W				Slot: SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24)				Well: KINDSFATER 24E-403				Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio				
25.00	25.00	0.00	0.00	11723.50	7120.94	1228.77	9110.54	82.32	11613.10	132.47	88.30				
125.00†	125.00	0.00	0.00	11723.50	7120.94	1228.77	9110.54	82.32	11552.27	133.00	87.49				
200.00	200.00	0.00	0.00	11723.50	7120.94	1228.77	9110.54	82.32	11507.01	133.32	86.93				
225.00†	225.00	0.11	0.03	11723.50	7120.94	1228.77	9110.54	68.78	11491.96	133.43	86.75				
325.00†	324.96	2.65	0.65	11723.50	7120.94	1228.77	9110.54	70.20	11431.48	133.87	86.00				
425.00†	424.77	8.57	2.12	11723.50	7120.94	1228.77	9110.54	71.65	11370.62	134.33	85.25				
525.00†	524.30	17.88	4.42	11723.50	7120.94	1228.77	9110.54	73.13	11309.43	134.79	84.50				
625.00†	623.44	30.55	7.55	11723.50	7120.94	1228.77	9110.54	74.62	11248.00	135.27	83.74				
725.00†	722.07	46.57	11.52	11723.50	7120.94	1228.77	9110.54	76.14	11186.40	135.76	82.98				
825.00†	820.05	65.92	16.30	11723.50	7120.94	1228.77	9110.54	77.66	11124.68	136.28	82.21				
925.00†	917.29	88.58	21.90	11723.50	7120.94	1228.77	9110.54	79.20	11062.94	136.82	81.43				
1025.00†	1013.64	114.52	28.32	11723.50	7120.94	1228.77	9110.54	80.75	11001.24	137.39	80.63				
1125.00†	1109.01	143.71	35.54	11723.50	7120.94	1228.77	9110.54	82.29	10939.67	138.00	79.82				
1225.00†	1203.27	176.12	43.55	11723.50	7120.94	1228.77	9110.54	83.84	10878.25	138.65	79.00				
1251.08	1227.65	185.09	45.77	11723.50	7120.94	1228.77	9110.54	84.24	10862.33	138.83	78.78				
1325.00†	1296.66	210.83	52.13	11723.50	7120.94	1228.77	9110.54	84.24	10817.26	139.36	78.16				
1425.00†	1390.00	245.65	60.74	11723.50	7120.94	1228.77	9110.54	84.24	10756.81	140.10	77.30				
1525.00†	1483.35	280.48	69.36	11723.50	7120.94	1228.77	9110.54	84.24	10696.95	140.88	76.44				
1625.00†	1576.69	315.30	77.97	11723.50	7120.94	1228.77	9110.54	84.24	10637.69	141.70	75.58				
1725.00†	1670.04	350.12	86.58	11723.50	7120.94	1228.77	9110.54	84.24	10579.05	142.56	74.71				
1825.00†	1763.38	384.95	95.19	11723.50	7120.94	1228.77	9110.54	84.24	10521.03	143.00	73.94				
1925.00†	1856.72	419.77	103.80	11723.50	7120.94	1228.77	9110.54	84.24	10463.64	143.50	73.28				
2025.00†	1950.07	454.59	112.41	11723.50	7120.94	1228.77	9110.54	84.24	10406.90	144.01	72.62				
2125.00†	2043.41	489.42	121.02	11723.50	7120.94	1228.77	9110.54	84.24	10350.81	144.54	71.96				
2225.00†	2136.76	524.24	129.63	11723.50	7120.94	1228.77	9110.54	84.24	10295.39	145.07	71.31				
2325.00†	2230.10	559.06	138.24	11723.50	7120.94	1228.77	9110.54	84.24	10240.65	145.62	70.66				
2425.00†	2323.45	593.89	146.85	11723.50	7120.94	1228.77	9110.54	84.24	10186.59	146.18	70.02				
2525.00†	2416.79	628.71	155.46	11723.50	7120.94	1228.77	9110.54	84.24	10133.24	146.74	69.38				
2625.00†	2510.14	663.53	164.08	11723.50	7120.94	1228.77	9110.54	84.24	10080.59	147.32	68.75				
2725.00†	2603.48	698.35	172.69	11723.50	7120.94	1228.77	9110.54	84.24	10028.66	147.91	68.12				
2825.00†	2696.83	733.18	181.30	11723.50	7120.94	1228.77	9110.54	84.24	9977.46	148.51	67.50				
2925.00†	2790.17	768.00	189.91	11723.50	7120.94	1228.77	9110.54	84.24	9927.01	149.12	66.88				
3025.00†	2883.51	802.82	198.52	11723.50	7120.94	1228.77	9110.54	84.24	9877.31	149.74	66.27				
3125.00†	2976.86	837.65	207.13	11723.50	7120.94	1228.77	9110.54	84.24	9828.38	150.37	65.67				
3225.00†	3070.20	872.47	215.74	11723.50	7120.94	1228.77	9110.54	84.24	9780.23	151.00	65.07				
3325.00†	3163.55	907.29	224.35	11723.50	7120.94	1228.77	9110.54	84.24	9732.86	151.65	64.48				
3425.00†	3256.89	942.12	232.96	11723.50	7120.94	1228.77	9110.54	84.24	9686.30	152.30	63.89				
3525.00†	3350.24	976.94	241.57	11723.50	7120.94	1228.77	9110.54	84.24	9640.55	152.96	63.31				
3625.00†	3443.58	1011.76	250.18	11723.50	7120.94	1228.77	9110.54	84.24	9595.62	153.63	62.74				
3725.00†	3536.93	1046.58	258.80	11723.50	7120.94	1228.77	9110.54	84.24	9551.53	154.31	62.18				
3825.00†	3630.27	1081.41	267.41	11723.50	7120.94	1228.77	9110.54	84.24	9508.29	154.99	61.63				
3925.00†	3723.62	1116.23	276.02	11723.50	7120.94	1228.77	9110.54	84.24	9465.90	155.67	61.08				
4025.00†	3816.96	1151.05	284.63	11723.50	7120.94	1228.77	9110.54	84.24	9424.38	156.36	60.54				
4125.00†	3910.30	1185.88	293.24	11723.50	7120.94	1228.77	9110.54	84.24	9383.75	157.06	60.01				
4225.00†	4003.65	1220.70	301.85	11715.32	7120.91	1236.95	9110.53	84.19	9344.01	157.55	59.57				

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDSFATER 24E-403 Threshold Value=1.00 † = Interpolated/extrapolated station											
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio
4325.00†	4096.99	1255.52	310.46	11680.87	7120.77	1271.39	9110.52	83.97	9305.08	157.35	59.40
4425.00†	4190.34	1290.35	319.07	11646.43	7120.63	1305.84	9110.50	83.76	9266.94	157.15	59.23
4525.00†	4283.68	1325.17	327.68	11611.98	7120.50	1340.28	9110.49	83.55	9229.60	156.95	59.07
4625.00†	4377.03	1359.99	336.29	11577.54	7120.36	1374.73	9110.48	83.33	9193.06	156.74	58.91
4725.00†	4470.37	1394.82	344.90	11543.09	7120.22	1409.17	9110.46	83.12	9157.34	156.54	58.76
4825.00†	4563.72	1429.64	353.52	11508.65	7120.08	1443.61	9110.45	82.90	9122.45	156.34	58.61
4925.00†	4657.06	1464.46	362.13	11474.21	7119.94	1478.06	9110.43	82.69	9088.39	156.13	58.47
5025.00†	4750.41	1499.28	370.74	11439.76	7119.81	1512.50	9110.42	82.48	9055.18	155.92	58.34
5125.00†	4843.75	1534.11	379.35	11405.32	7119.67	1546.95	9110.40	82.26	9022.82	155.71	58.21
5225.00†	4937.10	1568.93	387.96	11370.87	7119.53	1581.39	9110.39	82.05	8991.33	155.49	58.08
5325.00†	5030.44	1603.75	396.57	11336.43	7119.39	1615.84	9110.37	81.83	8960.70	155.27	57.97
5425.00†	5123.78	1638.58	405.18	11301.98	7119.25	1650.28	9110.36	81.61	8930.97	155.05	57.86
5525.00†	5217.13	1673.40	413.79	11267.54	7119.11	1684.72	9110.34	81.40	8902.12	154.82	57.76
5625.00†	5310.47	1708.22	422.40	11233.10	7118.98	1719.17	9110.33	81.18	8874.17	154.59	57.66
5725.00†	5403.82	1743.05	431.01	11198.65	7118.84	1753.61	9110.32	80.97	8847.13	154.35	57.58
5825.00†	5497.16	1777.87	439.62	11164.21	7118.70	1788.06	9110.30	80.75	8821.00	154.11	57.50
5925.00†	5590.51	1812.69	448.24	11129.76	7118.56	1822.50	9110.29	80.53	8795.80	153.87	57.42
6025.00†	5683.85	1847.51	456.85	11095.32	7118.42	1856.94	9110.27	80.32	8771.54	153.61	57.36
6125.00†	5777.20	1882.34	465.46	11060.87	7118.28	1891.39	9110.26	80.10	8748.21	153.35	57.31
6225.00†	5870.54	1917.16	474.07	11026.43	7118.15	1925.83	9110.24	79.88	8725.83	153.09	57.26
6325.00†	5963.89	1951.98	482.68	10991.98	7118.01	1960.28	9110.23	79.67	8704.40	152.82	57.22
6425.00†	6057.23	1986.81	491.29	10957.54	7117.87	1994.72	9110.21	79.45	8683.94	152.54	57.19
6525.00†	6150.57	2021.63	499.90	10923.10	7117.73	2029.16	9110.20	79.23	8664.45	152.25	57.17
6625.00†	6243.92	2056.45	508.51	10888.65	7117.59	2063.61	9110.18	79.02	8645.93	151.96	57.16
6725.00†	6337.26	2091.28	517.12	10854.21	7117.45	2098.05	9110.17	78.80	8628.39	151.66	57.16
6825.00†	6430.61	2126.10	525.73	10819.76	7117.32	2132.50	9110.15	78.58	8611.85	151.35	57.16
6925.00†	6523.95	2160.92	534.34	10785.32	7117.18	2166.94	9110.14	78.36	8596.29	151.04	57.18
7025.00†	6617.30	2195.75	542.96	10750.87	7117.04	2201.39	9110.13	78.15	8581.73	150.71	57.20
7035.17	6626.79	2199.29	543.83	10747.37	7117.03	2204.89	9110.12	78.12	8580.31	150.68	57.21
7125.00†	6709.85	2230.27	557.84	10716.73	7116.90	2235.53	9110.11	77.91	8561.95	150.52	57.15
7225.00†	6799.11	2263.56	567.92	10683.81	7116.77	2268.45	9110.10	77.70	8543.59	150.33	57.10
7325.00†	6882.86	2294.78	578.00	10652.95	7116.65	2299.31	9110.08	77.50	8525.23	150.14	57.03
7425.00†	6959.05	2323.17	588.08	10624.89	7116.53	2327.37	9110.07	77.30	8506.87	150.00	57.00
7525.00†	7025.79	2348.03	598.16	10600.32	7116.44	2351.94	9110.06	77.10	8488.51	149.86	56.96
7625.00†	7081.45	2368.75	608.24	10579.86	7116.35	2372.40	9110.05	76.90	8470.15	149.72	56.92
7725.00†	7124.65	2384.81	618.32	10564.01	7116.29	2388.25	9110.05	76.70	8451.79	149.58	56.88
7825.00†	7154.32	2395.83	628.40	10553.15	7116.25	2399.11	9110.04	76.50	8433.43	149.44	56.84
7925.00†	7169.75	2401.53	638.48	10547.56	7116.22	2404.70	9110.04	76.30	8415.07	149.30	56.80
7984.11	7172.00	2402.33	643.56	10546.79	7116.22	2405.47	9110.04	76.10	8406.71	149.16	56.76
8025.00†	7171.78	2402.22	648.64	10546.91	7116.22	2405.35	9110.04	75.90	8388.35	149.02	56.72
8125.00†	7171.23	2401.96	653.72	10547.21	7116.22	2405.04	9110.04	75.70	8369.99	148.88	56.68
8225.00†	7170.69	2401.70	658.80	10547.52	7116.22	2404.74	9110.04	75.50	8351.63	148.74	56.64
8325.00†	7170.15	2401.44	663.88	10547.82	7116.22	2404.44	9110.04	75.30	8333.27	148.60	56.60
8425.00†	7169.60	2401.17	668.96	10548.12	7116.23	2404.13	9110.04	75.10	8314.91	148.46	56.56
8525.00†	7169.06	2400.91	674.04	10548.43	7116.23	2403.83	9110.04	74.90	8296.55	148.32	56.52

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDSFATER 24E-403 Threshold Value=1.00 † = Interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	
8625.00†	7168.51	2400.65	1822.79	10548.73	7116.23	2403.53	9110.04	-60.12	7287.44	152.46	48.02	
8725.00†	7167.97	2400.39	1922.79	10549.03	7116.23	2403.23	9110.04	-59.78	7187.44	152.49	47.35	
8825.00†	7167.43	2400.12	2022.79	10549.34	7116.23	2402.92	9110.04	-59.43	7087.44	152.52	46.68	
8925.00†	7166.88	2399.86	2122.78	10549.64	7116.23	2402.62	9110.04	-59.08	6987.44	152.54	46.02	
9025.00†	7166.34	2399.60	2222.78	10549.94	7116.23	2402.32	9110.04	-58.71	6887.44	152.57	45.35	
9125.00†	7165.79	2399.33	2322.78	10550.24	7116.23	2402.01	9110.04	-58.34	6787.44	152.60	44.68	
9225.00†	7165.25	2399.07	2422.78	10550.55	7116.24	2401.71	9110.04	-57.96	6687.44	152.63	44.01	
9325.00†	7164.71	2398.81	2522.78	10550.85	7116.24	2401.41	9110.04	-57.57	6587.44	152.67	43.35	
9425.00†	7164.16	2398.55	2622.78	10551.15	7116.24	2401.11	9110.04	-57.18	6487.44	152.70	42.68	
9525.00†	7163.62	2398.28	2722.77	10551.46	7116.24	2400.80	9110.04	-56.77	6387.44	152.73	42.01	
9625.00†	7163.08	2398.02	2822.77	10551.76	7116.24	2400.50	9110.04	-56.36	6287.44	152.77	41.34	
9725.00†	7162.53	2397.76	2922.77	10552.06	7116.24	2400.20	9110.04	-55.93	6187.44	152.80	40.68	
9825.00†	7161.99	2397.50	3022.77	10552.36	7116.24	2399.89	9110.04	-55.50	6087.45	152.84	40.01	
9925.00†	7161.44	2397.23	3122.77	10552.67	7116.24	2399.59	9110.04	-55.06	5987.45	152.88	39.34	
10025.00†	7160.90	2396.97	3222.76	10552.97	7116.25	2399.29	9110.04	-54.61	5887.45	152.92	38.67	
10125.00†	7160.36	2396.71	3322.76	10553.27	7116.25	2398.99	9110.04	-54.14	5787.45	152.96	38.01	
10225.00†	7159.81	2396.45	3422.76	10553.58	7116.25	2398.68	9110.04	-53.67	5687.45	153.00	37.34	
10325.00†	7159.27	2396.18	3522.76	10553.88	7116.25	2398.38	9110.04	-53.18	5587.45	153.04	36.67	
10425.00†	7158.72	2395.92	3622.76	10554.18	7116.25	2398.08	9110.04	-52.69	5487.45	153.09	36.01	
10525.00†	7158.18	2395.66	3722.76	10554.48	7116.25	2397.77	9110.04	-52.18	5387.45	153.13	35.34	
10625.00†	7157.64	2395.39	3822.75	10554.79	7116.25	2397.47	9110.04	-51.66	5287.45	153.18	34.67	
10725.00†	7157.09	2395.13	3922.75	10555.09	7116.25	2397.17	9110.04	-51.13	5187.45	153.22	34.01	
10825.00†	7156.55	2394.87	4022.75	10555.39	7116.25	2396.87	9110.04	-50.58	5087.45	153.27	33.34	
10925.00†	7156.01	2394.61	4122.75	10555.70	7116.26	2396.56	9110.04	-50.02	4987.45	153.32	32.68	
11025.00†	7155.46	2394.34	4222.75	10556.00	7116.26	2396.26	9110.04	-49.45	4887.45	153.37	32.01	
11125.00†	7154.92	2394.08	4322.74	10556.30	7116.26	2395.96	9110.04	-48.87	4787.45	153.42	31.34	
11225.00†	7154.37	2393.82	4422.74	10556.60	7116.26	2395.65	9110.04	-48.27	4687.46	153.47	30.68	
11325.00†	7153.83	2393.56	4522.74	10556.91	7116.26	2395.35	9110.04	-47.65	4587.46	153.53	30.01	
11425.00†	7153.29	2393.29	4622.74	10557.21	7116.26	2395.05	9110.04	-47.02	4487.46	153.58	29.35	
11525.00†	7152.74	2393.03	4722.74	10557.51	7116.26	2394.75	9110.04	-46.38	4387.46	153.64	28.69	
11625.00†	7152.20	2392.77	4822.74	10557.82	7116.26	2394.44	9110.04	-45.72	4287.46	153.69	28.02	
11725.00†	7151.65	2392.51	4922.73	10558.12	7116.27	2394.14	9110.04	-45.04	4187.46	153.75	27.36	
11825.00†	7151.11	2392.24	5022.73	10558.42	7116.27	2393.84	9110.04	-44.35	4087.46	153.81	26.69	
11925.00†	7150.57	2391.98	5122.73	10558.72	7116.27	2393.53	9110.04	-43.64	3987.46	153.87	26.03	
12025.00†	7150.02	2391.72	5222.73	10559.03	7116.27	2393.23	9110.04	-42.92	3887.46	153.93	25.37	
12125.00†	7149.48	2391.45	5322.73	10559.33	7116.27	2392.93	9110.04	-42.17	3787.46	153.99	24.70	
12225.00†	7148.93	2391.19	5422.72	10559.63	7116.27	2392.62	9110.04	-41.41	3687.46	154.05	24.04	
12325.00†	7148.39	2390.93	5522.72	10559.94	7116.27	2392.32	9110.04	-40.63	3587.47	154.11	23.38	
12425.00†	7147.85	2390.67	5622.72	10560.24	7116.27	2392.02	9110.04	-39.83	3487.47	154.18	22.72	
12525.00†	7147.30	2390.40	5722.72	10560.54	7116.28	2391.72	9110.04	-39.01	3387.47	154.24	22.06	
12625.00†	7146.76	2390.14	5822.72	10560.84	7116.28	2391.41	9110.04	-38.17	3287.47	154.31	21.40	
12725.00†	7146.22	2389.88	5922.72	10561.15	7116.28	2391.11	9110.04	-37.31	3187.47	154.38	20.74	
12825.00†	7145.67	2389.62	6022.71	10561.45	7116.28	2390.81	9110.04	-36.43	3087.47	154.45	20.08	
12925.00†	7145.13	2389.35	6122.71	10561.75	7116.28	2390.50	9110.04	-35.53	2987.47	154.52	19.42	
13025.00†	7144.58	2389.09	6222.71	10562.06	7116.28	2390.20	9110.05	-34.61	2887.47	154.59	18.76	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)

Facility: SEC.24-T06N-R66W Slot: SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) Well: KINDSFATER 24E-403 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	
13125.00†	7144.04	2388.83	6322.71	10562.36	7116.28	2389.90	9110.05	-33.67	2787.48	154.66	18.10	
13225.00†	7143.50	2388.57	6422.71	10562.66	7116.28	2389.60	9110.05	-32.71	2687.48	154.73	17.44	
13325.00†	7142.95	2388.30	6522.70	10562.97	7116.29	2389.29	9110.05	-31.73	2587.48	154.80	16.79	
13425.00†	7142.41	2388.04	6622.70	10563.27	7116.29	2388.99	9110.05	-30.72	2487.48	154.88	16.13	
13525.00†	7141.86	2387.78	6722.70	10563.57	7116.29	2388.69	9110.05	-29.70	2387.48	154.95	15.47	
13625.00†	7141.32	2387.51	6822.70	10563.87	7116.29	2388.38	9110.05	-28.65	2287.48	155.03	14.82	
13725.00†	7140.78	2387.25	6922.70	10564.18	7116.29	2388.08	9110.05	-27.58	2187.49	155.11	14.16	
13825.00†	7140.23	2386.99	7022.70	10564.48	7116.29	2387.78	9110.05	-26.49	2087.49	155.19	13.51	
13925.00†	7139.69	2386.73	7122.69	10564.78	7116.29	2387.48	9110.05	-25.37	1987.49	155.27	12.85	
14025.00†	7139.14	2386.46	7222.69	10565.09	7116.29	2387.17	9110.05	-24.24	1887.49	155.35	12.20	
14125.00†	7138.60	2386.20	7322.69	10565.39	7116.30	2386.87	9110.05	-23.08	1787.50	155.43	11.55	
14225.00†	7138.06	2385.94	7422.69	10565.69	7116.30	2386.57	9110.05	-21.91	1687.50	155.51	10.90	
14325.00†	7137.51	2385.68	7522.69	10565.99	7116.30	2386.26	9110.05	-20.71	1587.50	155.60	10.24	
14425.00†	7136.97	2385.41	7622.68	10566.30	7116.30	2385.96	9110.05	-19.50	1487.51	155.69	9.59	
14525.00†	7136.43	2385.15	7722.68	10566.60	7116.30	2385.66	9110.05	-18.27	1387.51	155.77	8.94	
14625.00†	7135.88	2384.89	7822.68	10566.90	7116.30	2385.36	9110.05	-17.01	1287.52	155.86	8.29	
14725.00†	7135.34	2384.63	7922.68	10567.21	7116.30	2385.05	9110.05	-15.75	1187.52	155.95	7.64	
14825.00†	7134.79	2384.36	8022.68	10567.51	7116.30	2384.75	9110.05	-14.46	1087.53	156.05	7.00	
14925.00†	7134.25	2384.10	8122.68	10567.81	7116.30	2384.45	9110.05	-13.16	987.54	156.14	6.35	
15025.00†	7133.71	2383.84	8222.67	10568.11	7116.31	2384.14	9110.05	-11.85	887.54	156.24	5.70	
15125.00†	7133.16	2383.57	8322.67	10568.42	7116.31	2383.84	9110.05	-10.52	787.56	156.35	5.06	
15225.00†	7132.62	2383.31	8422.67	10568.72	7116.31	2383.54	9110.05	-9.18	687.57	156.45	4.41	
15325.00†	7132.07	2383.05	8522.67	10569.02	7116.31	2383.24	9110.05	-7.83	587.59	156.57	3.77	
15338.67	7132.00	2383.01	8536.34	10569.06	7116.31	2383.19	9110.05	-7.65	573.93	156.59	3.68	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY -

Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

WELLPATH COMPOSITION

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

OFFSET WELLPATH REFERENCE -

Offset Wellbore: KINDSFATER 24E-403 PWB (USED AS OFFSET FOR SRC LEFFLER PAD) Offset Wellpath: KINDSFATER 24E-403 PWP (USED AS OFFSET FOR SRC LEFFLER PAD)	
MD Reference: Rig on SLOT#01 KINDSFATER 24E-403 (370'FNL & 1419'FNL SEC.24) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	15.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	5.64	19.64	3928.10	8589.22	65.42	9444.82	50.17	191.93	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	2395.48	5235.57	2395.57	5235.93
9.625in Casing Surface	0.00	314.00	314.00	-11.00	302.99	2395.48	5235.57	2395.57	5235.93
7.875in Open Hole	314.00	7250.00	6936.00	302.99	7238.38	2395.57	5235.93	2377.66	5229.04
4.5in Casing Production	0.00	7250.00	7250.00	-11.00	7238.38	2395.48	5235.57	2377.66	5229.04

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	154.45	243.89	1.56	404.88	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-220.05	105.18	154.45	243.89	1.88	263.96	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-220.05	105.18	154.45	243.89	2.30	181.97	PASS	
225.00†	225.00	0.11	0.03	225.08	225.08	-220.09	105.08	140.60	243.97	2.44	164.58	PASS	
325.00†	324.96	2.65	0.65	325.23	325.19	-221.13	102.67	141.58	245.93	3.26	106.56	PASS	
425.00†	424.77	8.57	2.12	424.64	424.41	-223.53	97.10	143.77	250.78	4.44	71.94	PASS	
525.00†	524.30	17.88	4.42	522.76	522.08	-227.23	88.50	146.98	259.13	5.53	56.58	PASS	
625.00†	623.44	30.55	7.55	619.04	617.55	-232.14	77.08	150.93	271.80	6.66	47.55	PASS	
725.00†	722.07	46.57	11.52	714.07	711.39	-238.08	63.29	155.28	289.52	7.83	42.04	PASS	
825.00†	820.05	65.92	16.30	808.81	804.87	-244.16	49.18	159.40	312.18	8.97	38.89	PASS	
925.00†	917.29	88.58	21.90	902.47	897.29	-250.16	35.23	163.10	339.59	10.05	37.27	PASS	
1025.00†	1013.64	114.52	28.32	994.93	988.53	-256.09	21.45	166.37	371.53	11.08	36.64	PASS	
1125.00†	1109.01	143.71	35.54	1086.09	1078.48	-261.93	7.88	169.21	407.73	12.01	36.84	PASS	
1225.00†	1203.27	176.12	43.55	1175.83	1167.03	-267.69	-5.49	171.66	447.97	12.92	37.37	PASS	
1251.08	1227.65	185.09	45.77	1198.99	1189.88	-269.17	-8.94	172.24	459.10	13.17	37.54	PASS	
1325.00†	1296.66	210.83	52.13	1264.48	1254.51	-273.37	-18.69	173.84	491.17	13.74	38.38	PASS	
1425.00†	1390.00	245.65	60.74	1353.07	1341.93	-279.05	-31.89	175.70	534.98	14.45	39.61	PASS	
1525.00†	1483.35	280.48	69.36	1441.67	1429.35	-284.73	-45.08	177.29	579.20	15.16	40.72	PASS	
1625.00†	1576.69	315.30	77.97	1530.26	1516.77	-290.41	-58.28	178.65	623.73	15.89	41.73	PASS	
1725.00†	1670.04	350.12	86.58	1618.86	1604.19	-296.09	-71.47	179.84	668.51	16.63	42.62	PASS	
1825.00†	1763.38	384.95	95.19	1707.45	1691.61	-301.77	-84.67	179.12	713.50	17.08	43.67	PASS	
1925.00†	1856.72	419.77	103.80	1796.04	1779.04	-307.45	-97.86	178.21	758.65	17.33	45.60	PASS	
2025.00†	1950.07	454.59	112.41	1884.64	1866.46	-313.13	-111.06	177.39	803.95	17.50	47.82	PASS	
2125.00†	2043.41	489.42	121.02	1973.23	1953.88	-318.81	-124.25	176.66	849.36	17.68	50.00	PASS	
2225.00†	2136.76	524.24	129.63	2061.83	2041.30	-324.49	-137.45	176.00	894.87	17.93	51.93	PASS	
2325.00†	2230.10	559.06	138.24	2150.42	2128.72	-330.17	-150.64	175.41	940.46	18.24	53.62	PASS	
2425.00†	2323.45	593.89	146.85	2239.01	2216.14	-335.85	-163.84	174.87	986.13	18.61	55.05	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	64.12	-159.88	4.32
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.60	-134.14	64.12	-159.88	4.32
8.5in Open Hole	1750.00	16664.32	14914.32	1733.60	7158.00	-159.88	4.32	-275.22	2745.37

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	1405.23	1702.83	50.47	2207.78	50.29	44.71	PASS	
125.00†	125.00	0.00	0.00	107.00	125.00	1405.23	1702.83	50.47	2207.78	52.59	42.71	PASS	
200.00	200.00	0.00	0.00	182.00	200.00	1405.23	1702.83	50.47	2207.78	54.32	41.33	PASS	
225.00†	225.00	0.11	0.03	207.00	225.00	1405.23	1702.83	36.58	2207.69	54.90	40.88	PASS	
325.00†	324.96	2.65	0.65	306.96	324.96	1405.23	1702.83	36.65	2205.59	57.22	39.16	PASS	
425.00†	424.77	8.57	2.12	406.77	424.77	1405.23	1702.83	36.80	2200.69	59.57	37.51	PASS	
525.00†	524.30	17.88	4.42	506.30	524.30	1405.23	1702.83	37.04	2193.02	61.93	35.93	PASS	
625.00†	623.44	30.55	7.55	605.44	623.44	1405.23	1702.83	37.38	2182.59	64.10	34.44	PASS	
725.00†	722.07	46.57	11.52	704.07	722.07	1405.23	1702.83	37.80	2169.44	66.45	33.01	PASS	
825.00†	820.05	65.92	16.30	802.05	820.05	1405.23	1702.83	38.32	2153.63	68.79	31.64	PASS	
925.00†	917.29	88.58	21.90	899.29	917.29	1405.23	1702.83	38.94	2135.19	71.13	30.33	PASS	
1025.00†	1013.64	114.52	28.32	995.64	1013.64	1405.23	1702.83	39.67	2114.21	73.47	29.06	PASS	
1125.00†	1109.01	143.71	35.54	1091.01	1109.01	1405.23	1702.83	40.49	2090.76	75.81	27.84	PASS	
1225.00†	1203.27	176.12	43.55	1185.27	1203.27	1405.23	1702.83	41.43	2064.93	78.16	26.67	PASS	
1251.08	1227.65	185.09	45.77	1209.65	1227.65	1405.23	1702.83	41.70	2057.81	78.77	26.37	PASS	
1325.00†	1296.66	210.83	52.13	1278.66	1296.66	1405.23	1702.83	42.18	2037.49	80.49	25.54	PASS	
1425.00†	1390.00	245.65	60.74	1372.00	1390.00	1405.23	1702.83	42.84	2010.23	82.85	24.48	PASS	
1525.00†	1483.35	280.48	69.36	1465.35	1483.35	1405.23	1702.83	43.53	1983.25	85.24	23.47	PASS	
1625.00†	1576.69	315.30	77.97	1558.69	1576.69	1405.23	1702.83	44.23	1956.56	87.66	22.50	PASS	
1725.00†	1670.04	350.12	86.58	1652.04	1670.04	1405.23	1702.83	44.95	1930.16	90.11	21.59	PASS	
1825.00†	1763.38	384.95	95.19	1745.38	1763.38	1405.23	1702.83	45.68	1904.07	92.25	20.76	PASS	
1925.00†	1856.72	419.77	103.80	1838.72	1856.72	1405.23	1702.83	46.44	1878.30	94.43	20.00	PASS	
2025.00†	1950.07	454.59	112.41	1932.07	1950.07	1405.23	1702.83	47.21	1852.87	96.64	19.28	PASS	
2125.00†	2043.41	489.42	121.02	2025.41	2043.41	1405.23	1702.83	48.01	1827.79	98.86	18.59	PASS	
2225.00†	2136.76	524.24	129.63	2118.76	2136.76	1405.23	1702.83	48.83	1803.08	101.10	17.93	PASS	
2325.00†	2230.10	559.06	138.24	2212.10	2230.10	1405.23	1702.83	49.66	1778.74	103.35	17.30	PASS	
2425.00†	2323.45	593.89	146.85	2305.45	2323.45	1405.23	1702.83	50.52	1754.80	105.61	16.70	PASS	
2525.00†	2416.79	628.71	155.46	2398.79	2416.79	1405.23	1702.83	51.40	1731.28	107.89	16.12	PASS	
2625.00†	2510.14	663.53	164.08	2492.14	2510.14	1405.23	1702.83	52.30	1708.18	110.19	15.57	PASS	
2725.00†	2603.48	698.35	172.69	2585.48	2603.48	1405.23	1702.83	53.23	1685.53	112.50	15.05	PASS	
2825.00†	2696.83	733.18	181.30	2678.83	2696.83	1405.23	1702.83	54.17	1663.34	114.82	14.55	PASS	
2925.00†	2790.17	768.00	189.91	2772.17	2790.17	1405.23	1702.83	55.14	1641.64	117.16	14.07	PASS	
3025.00†	2883.51	802.82	198.52	2865.51	2883.51	1405.23	1702.83	56.14	1620.44	119.51	13.62	PASS	
3125.00†	2976.86	837.65	207.13	2958.86	2976.86	1405.23	1702.83	57.15	1599.77	121.88	13.18	PASS	
3225.00†	3070.20	872.47	215.74	3052.20	3070.20	1405.23	1702.83	58.19	1579.64	124.26	12.76	PASS	
3325.00†	3163.55	907.29	224.35	3145.55	3163.55	1405.23	1702.83	59.26	1560.07	126.65	12.37	PASS	
3425.00†	3256.89	942.12	232.96	3238.89	3256.89	1405.23	1702.83	60.35	1541.10	129.06	11.99	PASS	
3525.00†	3350.24	976.94	241.57	3332.24	3350.24	1405.23	1702.83	61.46	1522.73	131.48	11.63	PASS	
3625.00†	3443.58	1011.76	250.18	3425.58	3443.58	1405.23	1702.83	62.60	1504.99	133.91	11.28	PASS	
3725.00†	3536.93	1046.58	258.80	3518.93	3536.93	1405.23	1702.83	63.76	1487.90	136.35	10.95	PASS	
3825.00†	3630.27	1081.41	267.41	3612.27	3630.27	1405.23	1702.83	64.94	1471.49	138.80	10.64	PASS	
3925.00†	3723.62	1116.23	276.02	3705.62	3723.62	1405.23	1702.83	66.15	1455.78	141.26	10.34	PASS	
4025.00†	3816.96	1151.05	284.63	3798.96	3816.96	1405.23	1702.83	67.39	1440.80	143.74	10.06	PASS	
4125.00†	3910.30	1185.88	293.24	3892.30	3910.30	1405.23	1702.83	68.64	1426.55	146.22	9.79	PASS	
4225.00†	4003.65	1220.70	301.85	3985.65	4003.65	1405.23	1702.83	69.91	1413.08	148.72	9.53	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: SCHAEFER #1-22 AWB Offset Wellpath: SCHAEFER #1-22 AWB

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	
4325.00†	4096.99	1255.52	310.46	4078.99	4096.99	1405.23	1702.83	71.21	1400.39	151.22	9.29	PASS	
4425.00†	4190.34	1290.35	319.07	4172.34	4190.34	1405.23	1702.83	72.53	1388.52	153.73	9.06	PASS	
4525.00†	4283.68	1325.17	327.68	4265.68	4283.68	1405.23	1702.83	73.86	1377.47	156.25	8.84	PASS	
4625.00†	4377.03	1359.99	336.29	4359.03	4377.03	1405.23	1702.83	75.22	1367.28	158.78	8.64	PASS	
4725.00†	4470.37	1394.82	344.90	4452.37	4470.37	1405.23	1702.83	76.59	1357.96	161.31	8.44	PASS	
4825.00†	4563.72	1429.64	353.52	4545.72	4563.72	1405.23	1702.83	77.98	1349.53	163.85	8.26	PASS	
4925.00†	4657.06	1464.46	362.13	4639.06	4657.06	1405.23	1702.83	79.38	1342.01	166.40	8.09	PASS	
5025.00†	4750.41	1499.28	370.74	4732.41	4750.41	1405.23	1702.83	80.79	1335.41	168.96	7.93	PASS	
5125.00†	4843.75	1534.11	379.35	4825.75	4843.75	1405.23	1702.83	82.22	1329.74	171.52	7.77	PASS	
5225.00†	4937.10	1568.93	387.96	4919.10	4937.10	1405.23	1702.83	83.66	1325.02	174.08	7.63	PASS	
5325.00†	5030.44	1603.75	396.57	5012.44	5030.44	1405.23	1702.83	85.10	1321.26	176.65	7.50	PASS	
5425.00†	5123.78	1638.58	405.18	5105.78	5123.78	1405.23	1702.83	86.55	1318.46	179.23	7.38	PASS	
5525.00†	5217.13	1673.40	413.79	5199.13	5217.13	1405.23	1702.83	88.01	1316.64	181.80	7.26	PASS	
5625.00†	5310.47	1708.22	422.40	5292.47	5310.47	1405.23	1702.83	89.46	1315.79	184.38	7.15	PASS	
5725.00†	5403.82	1743.05	431.01	5385.82	5403.82	1405.23	1702.83	90.92	1315.91	186.97	7.06	PASS	
5825.00†	5497.16	1777.87	439.62	5479.16	5497.16	1405.23	1702.83	92.38	1317.02	189.56	6.96	PASS	
5925.00†	5590.51	1812.69	448.24	5572.51	5590.51	1405.23	1702.83	93.83	1319.10	192.15	6.88	PASS	
6025.00†	5683.85	1847.51	456.85	5665.85	5683.85	1405.23	1702.83	95.28	1322.15	194.74	6.81	PASS	
6125.00†	5777.20	1882.34	465.46	5759.20	5777.20	1405.23	1702.83	96.72	1326.17	197.34	6.74	PASS	
6225.00†	5870.54	1917.16	474.07	5852.54	5870.54	1405.23	1702.83	98.16	1331.14	199.94	6.67	PASS	
6325.00†	5963.89	1951.98	482.68	5945.89	5963.89	1405.23	1702.83	99.58	1337.05	202.54	6.62	PASS	
6425.00†	6057.23	1986.81	491.29	6039.23	6057.23	1405.23	1702.83	100.99	1343.90	205.14	6.57	PASS	
6525.00†	6150.57	2021.63	499.90	6132.57	6150.57	1405.23	1702.83	102.39	1351.66	207.75	6.52	PASS	
6625.00†	6243.92	2056.45	508.51	6225.92	6243.92	1405.23	1702.83	103.77	1360.33	210.35	6.48	PASS	
6725.00†	6337.26	2091.28	517.12	6319.26	6337.26	1405.23	1702.83	105.14	1369.88	212.96	6.45	PASS	
6825.00†	6430.61	2126.10	525.73	6412.61	6430.61	1405.23	1702.83	106.49	1380.29	215.57	6.42	PASS	
6925.00†	6523.95	2160.92	534.34	6505.95	6523.95	1405.23	1702.83	107.82	1391.56	218.19	6.39	PASS	
7025.00†	6617.30	2195.75	542.96	6599.30	6617.30	1405.23	1702.83	109.13	1403.65	220.80	6.37	PASS	
7035.17	6626.79	2199.29	543.83	6608.79	6626.79	1405.23	1702.83	109.27	1404.92	221.07	6.37	PASS	
7125.00†	6709.85	2230.27	557.84	6691.85	6709.85	1405.23	1702.83	92.08	1411.27	223.53	6.33	PASS	
7225.00†	6799.11	2263.56	567.92	6781.11	6799.11	1405.23	1702.83	79.90	1407.03	226.65	6.22	PASS	
7325.00†	6882.86	2294.78	576.54	6864.86	6882.86	1405.23	1702.83	73.60	1391.70	229.77	6.07	PASS	
7425.00†	6959.05	2323.17	585.15	6941.05	6959.05	1405.23	1702.83	71.32	1366.48	232.72	5.88	PASS	
7525.00†	7025.79	2348.03	593.76	7007.79	7025.79	1405.23	1702.83	71.82	1332.90	235.52	5.67	PASS	
7625.00†	7081.45	2368.75	602.37	7063.45	7081.45	1405.23	1702.83	74.30	1292.74	238.21	5.44	PASS	
7725.00†	7124.65	2384.81	610.98	7106.65	7124.65	1405.23	1702.83	78.13	1247.99	240.79	5.19	PASS	
7825.00†	7154.32	2395.83	619.59	7136.32	7154.32	1405.23	1702.83	82.71	1200.68	243.25	4.94	PASS	
7925.00†	7169.75	2401.53	628.20	7151.75	7169.75	1405.23	1702.83	87.47	1152.81	245.50	4.70	PASS	
7984.11	7172.00	2402.33	636.81	7154.00	7172.00	1405.23	1702.83	90.16	1124.97	246.70	4.57	PASS	
8025.00†	7171.78	2402.22	645.42	7153.78	7171.78	1405.23	1702.83	90.15	1106.54	247.49	4.48	PASS	
8125.00†	7171.23	2401.96	654.03	7153.23	7171.23	1405.23	1702.83	90.12	1066.72	249.61	4.28	PASS	
8225.00†	7170.69	2401.70	662.64	7152.69	7170.69	1405.23	1702.83	90.09	1035.07	251.93	4.12	PASS	
8325.00†	7170.15	2401.44	671.25	7152.15	7170.15	1405.23	1702.83	90.06	1012.35	254.34	3.99	PASS	
8425.00†	7169.60	2401.17	679.86	7151.60	7169.60	1405.23	1702.83	90.03	999.16	256.74	3.90	PASS	
8512.50†	7169.13	2400.94	688.47	7144.17	7162.17	1405.23	1702.83	89.60	995.77	258.49	3.86	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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
8525.00†	7169.06	2400.91	1722.79	7151.06	7169.06	1405.23	1702.83	90.00	995.88	258.98	3.85	PASS
8582.20†	7168.75	2400.76	1779.99	7150.75	7168.75	1405.23	1702.83	89.98	998.52	260.15	3.84	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	1038.01	856.66	1038.01
8.625in Casing Surface	0.00	520.00	520.00	-7.00	513.00	856.66	1038.01	856.66	1038.01
7.875in Open Hole	520.00	7232.00	6712.00	513.00	7225.00	856.66	1038.01	856.66	1038.01
4.5in Casing Production	0.00	7232.00	7232.00	-7.00	7225.00	856.66	1038.01	856.66	1038.01

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	69.15	5683.63	89.30	5684.05	25.57	231.00	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	156.34	262.11	1.56	435.25	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-240.08	105.18	156.34	262.11	1.88	283.63	PASS
200.00	200.00	0.00	0.00	200.00	200.00	-240.08	105.18	156.34	262.11	2.30	194.70	PASS
225.00†	225.00	0.11	0.03	225.00	225.00	-240.08	105.18	142.47	262.20	2.45	176.12	PASS
325.00†	324.96	2.65	0.65	324.62	324.62	-240.14	105.09	142.81	264.30	3.27	114.10	PASS
425.00†	424.77	8.57	2.12	422.80	422.76	-241.48	102.95	144.05	269.62	4.42	77.78	PASS
525.00†	524.30	17.88	4.42	519.95	519.73	-244.55	98.02	146.25	278.66	5.47	61.66	PASS
625.00†	623.44	30.55	7.55	615.48	614.85	-249.27	90.46	149.20	291.96	6.53	52.28	PASS
725.00†	722.07	46.57	11.52	708.89	707.50	-255.50	80.46	152.63	310.18	7.64	46.34	PASS
825.00†	820.05	65.92	16.30	799.68	797.15	-263.09	68.30	156.28	333.88	8.78	42.60	PASS
925.00†	917.29	88.58	21.90	890.67	886.61	-271.88	54.20	159.98	363.21	9.88	40.64	PASS
1025.00†	1013.64	114.52	28.32	981.83	976.21	-280.79	39.93	163.34	397.25	10.91	39.84	PASS
1125.00†	1109.01	143.71	35.54	1071.58	1064.41	-289.55	25.87	166.26	435.66	11.96	39.53	PASS
1225.00†	1203.27	176.12	43.55	1159.80	1151.12	-298.17	12.06	168.79	478.18	12.52	41.29	PASS
1251.08	1227.65	185.09	45.77	1182.54	1173.47	-300.39	8.49	169.39	489.92	12.82	41.22	PASS
1325.00†	1296.66	210.83	52.13	1246.85	1236.67	-306.67	-1.58	171.08	523.73	13.53	41.59	PASS
1425.00†	1390.00	245.65	60.74	1333.84	1322.16	-315.17	-15.20	173.07	569.99	14.28	42.75	PASS
1525.00†	1483.35	280.48	69.36	1420.83	1407.66	-323.67	-28.82	174.76	616.73	14.98	43.94	PASS
1625.00†	1576.69	315.30	77.97	1507.82	1493.16	-332.16	-42.45	176.22	663.84	15.69	45.02	PASS
1725.00†	1670.04	350.12	86.58	1594.81	1578.65	-340.66	-56.07	177.50	711.25	16.41	45.99	PASS
1825.00†	1763.38	384.95	95.19	1681.80	1664.15	-349.16	-69.69	178.61	758.91	16.84	47.13	PASS
1925.00†	1856.72	419.77	103.80	1768.79	1749.65	-357.65	-83.31	179.60	806.76	17.14	49.05	PASS
2025.00†	1950.07	454.59	112.41	1855.78	1835.14	-366.15	-96.94	-179.53	854.78	17.37	51.27	PASS
2125.00†	2043.41	489.42	121.02	1942.77	1920.64	-374.65	-110.56	-178.74	902.95	17.52	53.65	PASS
2225.00†	2136.76	524.24	129.63	2029.77	2006.14	-383.15	-124.18	-178.03	951.23	17.75	55.77	PASS
2325.00†	2230.10	559.06	138.24	2116.76	2091.63	-391.64	-137.81	-177.39	999.61	18.05	57.60	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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	64.12	-181.63	7.56
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.18	-146.36	64.12	-181.63	7.56
8.5in Open Hole	25.00	16514.62	16489.62	25.00	6976.00	-146.36	64.12	-347.95	2746.32

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 41N-26B-L PWB (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 PWB (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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 stat													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	17.00	25.00	3949.94	4373.76	47.92	5893.37	50.56	118.81	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	511.00	511.00	-17.00	494.00	2408.12	2666.03	2408.12	2666.03
9.625in Casing Surface	0.00	511.00	511.00	-17.00	494.00	2408.12	2666.03	2408.12	2666.03
7.875in Open Hole	511.00	7263.00	6752.00	494.00	7246.00	2408.12	2666.03	2408.12	2666.03
4.5in Casing Production	0.00	7263.00	7263.00	-17.00	7246.00	2408.12	2666.03	2408.12	2666.03

WELLPATH COMPOSITION - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7280' FROM CO WEBSITE)	LOWELL ADAMS #1-23 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: LOWELL ADAMS #1-23 AWB Offset Wellpath: LOWELL ADAMS #1-23 AWP

MD Reference: Rig on SLOT#03EX: LOWELL ADAMS #1-23 (1980'FNL & 660'FWL SEC.23, PA, 7280'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	157.98	280.58	1.56	466.03	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-260.12	105.18	157.98	280.58	1.89	303.44	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-260.12	105.18	157.98	280.58	2.30	209.15	PASS	
225.00†	225.00	0.11	0.03	224.29	224.29	-260.19	105.10	144.13	280.70	2.44	189.41	PASS	
325.00†	324.96	2.65	0.65	321.26	321.22	-261.75	103.20	144.87	283.61	3.31	120.35	PASS	
425.00†	424.77	8.57	2.12	417.47	417.26	-265.35	98.80	146.53	290.58	4.61	79.42	PASS	
525.00†	524.30	17.88	4.42	512.31	511.69	-270.90	92.02	148.93	302.03	5.78	62.50	PASS	
625.00†	623.44	30.55	7.55	605.25	603.90	-278.25	83.04	151.87	318.49	6.95	53.08	PASS	
725.00†	722.07	46.57	11.52	695.76	693.28	-287.23	72.08	155.09	340.47	8.12	47.43	PASS	
825.00†	820.05	65.92	16.30	783.39	779.37	-297.63	59.39	158.38	368.35	9.27	44.25	PASS	
925.00†	917.29	88.58	21.90	874.55	868.62	-309.38	45.04	161.69	401.59	10.32	42.83	PASS	
1025.00†	1013.64	114.52	28.32	964.54	956.73	-320.98	30.88	164.60	439.21	11.37	42.12	PASS	
1125.00†	1109.01	143.71	35.54	1053.01	1043.35	-332.38	16.96	167.14	480.96	11.94	43.73	PASS	
1225.00†	1203.27	176.12	43.55	1139.86	1128.39	-343.57	3.29	169.35	526.60	13.11	43.28	PASS	
1251.08	1227.65	185.09	45.77	1162.23	1150.29	-346.46	-0.23	169.87	539.11	13.28	43.69	PASS	
1325.00†	1296.66	210.83	52.13	1225.47	1212.20	-354.61	-10.18	171.38	575.10	13.85	44.55	PASS	
1425.00†	1390.00	245.65	60.74	1311.02	1295.97	-365.64	-23.65	173.14	624.21	14.52	45.97	PASS	
1525.00†	1483.35	280.48	69.36	1396.57	1379.73	-376.66	-37.11	174.66	673.72	15.20	47.27	PASS	
1625.00†	1576.69	315.30	77.97	1482.12	1463.49	-387.69	-50.57	175.98	723.55	15.88	48.45	PASS	
1725.00†	1670.04	350.12	86.58	1567.67	1547.25	-398.72	-64.03	177.13	773.64	16.57	49.51	PASS	
1825.00†	1763.38	384.95	95.19	1653.22	1631.01	-409.74	-77.50	178.14	823.94	16.98	50.73	PASS	
1925.00†	1856.72	419.77	103.80	1738.77	1714.77	-420.77	-90.96	179.04	874.41	17.38	52.54	PASS	
2025.00†	1950.07	454.59	112.41	1824.32	1798.53	-431.79	-104.42	179.84	925.02	17.61	54.69	PASS	
2125.00†	2043.41	489.42	121.02	1909.87	1882.29	-442.82	-117.89	-179.45	975.76	17.75	57.21	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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	64.12	-207.98	3.80
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.77	-158.57	64.12	-207.98	3.80
8.5in Open Hole	1750.00	16421.92	14671.92	1725.77	6858.00	-207.98	3.80	-421.24	2747.37

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-738.86	8407.19	95.02	8439.59	25.57	343.01	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD) Well: EX. BARNEY 8 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	0.00	25.00	947.04	5201.23	79.68	5286.75	50.17	107.43	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7519.00	ISWWSA MWD, Rev. 4 (Standard)	ENSIGN MWD SURVEYS PROVIDED BY SRC <444'-7519>	EX. BARNEY 8 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. BARNEY 8 AWB Offset Wellpath: EX. BARNEY 8 AWP

MD Reference: Rig on SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	159.42	299.25	1.56	497.15	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-280.16	105.18	159.42	299.25	1.89	323.38	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-280.16	105.18	159.42	299.25	2.31	221.93	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	-280.16	105.18	145.54	299.34	2.45	200.74	PASS	
325.00†	324.96	2.65	0.65	323.89	323.89	-280.23	105.11	145.81	301.55	3.29	129.22	PASS	
425.00†	424.77	8.57	2.12	419.16	419.12	-281.92	103.44	146.76	307.71	4.50	86.72	PASS	
525.00†	524.30	17.88	4.42	513.35	513.16	-285.81	99.61	148.42	318.45	5.66	67.54	PASS	
625.00†	623.44	30.55	7.55	605.91	605.33	-291.78	93.72	150.65	334.14	6.79	57.19	PASS	
725.00†	722.07	46.57	11.52	696.29	695.03	-299.64	85.97	153.23	355.16	7.91	51.01	PASS	
825.00†	820.05	65.92	16.30	784.01	781.71	-309.20	76.54	155.97	381.86	9.02	47.28	PASS	
925.00†	917.29	88.58	21.90	868.65	864.92	-320.21	65.68	158.71	414.45	10.12	45.15	PASS	
1025.00†	1013.64	114.52	28.32	950.28	944.71	-332.48	53.58	161.35	452.99	11.14	44.41	PASS	
1125.00†	1109.01	143.71	35.54	1037.45	1029.68	-346.36	39.90	164.00	496.47	12.04	44.73	PASS	
1225.00†	1203.27	176.12	43.55	1122.91	1112.97	-359.96	26.49	166.29	543.90	12.95	45.30	PASS	
1251.08	1227.65	185.09	45.77	1144.90	1134.41	-363.46	23.03	166.84	556.88	13.15	45.62	PASS	
1325.00†	1296.66	210.83	52.13	1207.06	1194.99	-373.36	13.28	168.45	594.24	13.65	46.78	PASS	
1425.00†	1390.00	245.65	60.74	1291.15	1276.95	-386.74	0.08	170.34	645.28	14.22	48.59	PASS	
1525.00†	1483.35	280.48	69.36	1375.24	1358.91	-400.13	-13.12	171.97	696.78	14.97	49.68	PASS	
1625.00†	1576.69	315.30	77.97	1459.32	1440.87	-413.51	-26.32	173.38	748.66	15.64	50.96	PASS	
1725.00†	1670.04	350.12	86.58	1543.41	1522.83	-426.90	-39.52	174.61	800.83	16.31	52.13	PASS	
1825.00†	1763.38	384.95	95.19	1627.50	1604.79	-440.28	-52.72	175.70	853.25	16.70	53.46	PASS	
1925.00†	1856.72	419.77	103.80	1711.59	1686.75	-453.67	-65.92	176.66	905.86	17.11	55.33	PASS	
2025.00†	1950.07	454.59	112.41	1795.67	1768.71	-467.05	-79.12	177.51	958.65	17.36	57.53	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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	64.12	-225.53	10.13
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1724.19	-170.78	64.12	-225.53	10.13
8.5in Open Hole	1750.00	16568.66	14818.66	1724.19	N/A	-225.53	10.13	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1225.27	9288.26	82.49	11659.16	133.18	88.18	PASS	
125.00†	125.00	0.00	0.00	11556.00	6964.96	1225.27	9288.26	82.49	11599.92	133.70	87.38	PASS	
200.00	200.00	0.00	0.00	11556.00	6964.96	1225.27	9288.26	82.49	11555.85	134.03	86.84	PASS	
225.00†	225.00	0.11	0.03	11556.00	6964.96	1225.27	9288.26	68.93	11541.20	134.13	86.66	PASS	
325.00†	324.96	2.65	0.65	11556.00	6964.96	1225.27	9288.26	70.30	11482.33	134.58	85.93	PASS	
425.00†	424.77	8.57	2.12	11556.00	6964.96	1225.27	9288.26	71.69	11423.08	135.03	85.20	PASS	
525.00†	524.30	17.88	4.42	11556.00	6964.96	1225.27	9288.26	73.10	11363.52	135.50	84.46	PASS	
625.00†	623.44	30.55	7.55	11556.00	6964.96	1225.27	9288.26	74.54	11303.70	135.97	83.72	PASS	
725.00†	722.07	46.57	11.52	11556.00	6964.96	1225.27	9288.26	75.99	11243.71	136.47	82.97	PASS	
825.00†	820.05	65.92	16.30	11556.00	6964.96	1225.27	9288.26	77.45	11183.61	136.98	82.22	PASS	
925.00†	917.29	88.58	21.90	11556.00	6964.96	1225.27	9288.26	78.92	11123.48	137.51	81.45	PASS	
1025.00†	1013.64	114.52	28.32	11556.00	6964.96	1225.27	9288.26	80.40	11063.38	138.08	80.68	PASS	
1125.00†	1109.01	143.71	35.54	11556.00	6964.96	1225.27	9288.26	81.88	11003.40	138.69	79.89	PASS	
1225.00†	1203.27	176.12	43.55	11556.00	6964.96	1225.27	9288.26	83.36	10943.60	139.34	79.08	PASS	
1251.08	1227.65	185.09	45.77	11556.00	6964.96	1225.27	9288.26	83.75	10928.05	139.52	78.86	PASS	
1325.00†	1296.66	210.83	52.13	11556.00	6964.96	1225.27	9288.26	83.75	10884.15	140.04	78.25	PASS	
1425.00†	1390.00	245.65	60.74	11556.00	6964.96	1225.27	9288.26	83.75	10825.29	140.78	77.42	PASS	
1525.00†	1483.35	280.48	69.36	11556.00	6964.96	1225.27	9288.26	83.75	10767.03	141.56	76.58	PASS	
1625.00†	1576.69	315.30	77.97	11556.00	6964.96	1225.27	9288.26	83.75	10709.39	142.37	75.73	PASS	
1725.00†	1670.04	350.12	86.58	11556.00	6964.96	1225.27	9288.26	83.75	10652.37	143.23	74.87	PASS	
1825.00†	1763.38	384.95	95.19	11556.00	6964.96	1225.27	9288.26	83.75	10596.00	143.66	74.12	PASS	
1925.00†	1856.72	419.77	103.80	11556.00	6964.96	1225.27	9288.26	83.75	10540.27	144.15	73.48	PASS	
2025.00†	1950.07	454.59	112.41	11556.00	6964.96	1225.27	9288.26	83.75	10485.19	144.65	72.84	PASS	
2125.00†	2043.41	489.42	121.02	11556.00	6964.96	1225.27	9288.26	83.75	10430.79	145.16	72.20	PASS	
2225.00†	2136.76	524.24	129.63	11556.00	6964.96	1225.27	9288.26	83.75	10377.06	145.69	71.57	PASS	
2325.00†	2230.10	559.06	138.24	11556.00	6964.96	1225.27	9288.26	83.75	10324.03	146.22	70.95	PASS	
2425.00†	2323.45	593.89	146.85	11556.00	6964.96	1225.27	9288.26	83.75	10271.69	146.76	70.32	PASS	
2525.00†	2416.79	628.71	155.46	11556.00	6964.96	1225.27	9288.26	83.75	10220.06	147.32	69.70	PASS	
2625.00†	2510.14	663.53	164.08	11556.00	6964.96	1225.27	9288.26	83.75	10169.16	147.88	69.09	PASS	
2725.00†	2603.48	698.35	172.69	11556.00	6964.96	1225.27	9288.26	83.75	10118.98	148.46	68.48	PASS	
2825.00†	2696.83	733.18	181.30	11556.00	6964.96	1225.27	9288.26	83.75	10069.55	149.04	67.88	PASS	
2925.00†	2790.17	768.00	189.91	11556.00	6964.96	1225.27	9288.26	83.75	10020.88	149.64	67.28	PASS	
3025.00†	2883.51	802.82	198.52	11556.00	6964.96	1225.27	9288.26	83.75	9972.96	150.24	66.69	PASS	
3125.00†	2976.86	837.65	207.13	11556.00	6964.96	1225.27	9288.26	83.75	9925.83	150.85	66.10	PASS	
3225.00†	3070.20	872.47	215.74	11556.00	6964.96	1225.27	9288.26	83.75	9879.48	151.47	65.53	PASS	
3325.00†	3163.55	907.29	224.35	11556.00	6964.96	1225.27	9288.26	83.75	9833.93	152.10	64.95	PASS	
3425.00†	3256.89	942.12	232.96	11556.00	6964.96	1225.27	9288.26	83.75	9789.19	152.73	64.39	PASS	
3525.00†	3350.24	976.94	241.57	11556.00	6964.96	1225.27	9288.26	83.75	9745.28	153.37	63.83	PASS	
3625.00†	3443.58	1011.76	250.18	11556.00	6964.96	1225.27	9288.26	83.75	9702.19	154.02	63.28	PASS	
3725.00†	3536.93	1046.58	258.80	11556.00	6964.96	1225.27	9288.26	83.75	9659.95	154.68	62.73	PASS	
3825.00†	3630.27	1081.41	267.41	11556.00	6964.96	1225.27	9288.26	83.75	9618.56	155.34	62.20	PASS	
3925.00†	3723.62	1116.23	276.02	11556.00	6964.96	1225.27	9288.26	83.75	9578.03	156.00	61.67	PASS	
4025.00†	3816.96	1151.05	284.63	11556.00	6964.96	1225.27	9288.26	83.75	9538.38	156.68	61.15	PASS	
4125.00†	3910.30	1185.88	293.24	11556.00	6964.96	1225.27	9288.26	83.75	9499.62	157.35	60.64	PASS	
4225.00†	4003.65	1220.70	301.85	11556.00	6964.96	1225.27	9288.26	83.75	9461.76	158.03	60.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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
4325.00†	4096.99	1255.52	310.46	11529.93	6965.03	1251.33	9288.25	83.59	9424.77	158.03	59.90	PASS
4425.00†	4190.34	1290.35	319.07	11494.85	6965.13	1286.41	9288.23	83.38	9388.57	157.79	59.76	PASS
4525.00†	4283.68	1325.17	327.68	11459.77	6965.23	1321.49	9288.22	83.17	9353.17	157.55	59.63	PASS
4625.00†	4377.03	1359.99	336.29	11424.69	6965.33	1356.57	9288.20	82.95	9318.58	157.31	59.50	PASS
4725.00†	4470.37	1394.82	344.90	11389.61	6965.43	1391.65	9288.19	82.74	9284.81	157.07	59.37	PASS
4825.00†	4563.72	1429.64	353.52	11354.53	6965.52	1426.73	9288.17	82.53	9251.85	156.83	59.26	PASS
4925.00†	4657.06	1464.46	362.13	11319.45	6965.62	1461.81	9288.16	82.31	9219.73	156.59	59.14	PASS
5025.00†	4750.41	1499.28	370.74	11284.37	6965.72	1496.89	9288.14	82.10	9188.46	156.34	59.04	PASS
5125.00†	4843.75	1534.11	379.35	11249.30	6965.82	1531.97	9288.13	81.89	9158.03	156.09	58.93	PASS
5225.00†	4937.10	1568.93	387.96	11214.22	6965.92	1567.05	9288.11	81.67	9128.46	155.84	58.84	PASS
5325.00†	5030.44	1603.75	396.57	11179.14	6966.01	1602.13	9288.10	81.46	9099.76	155.58	58.75	PASS
5425.00†	5123.78	1638.58	405.18	11144.06	6966.11	1637.21	9288.08	81.24	9071.94	155.32	58.67	PASS
5525.00†	5217.13	1673.40	413.79	11108.98	6966.21	1672.29	9288.07	81.03	9045.00	155.06	58.60	PASS
5625.00†	5310.47	1708.22	422.40	11073.90	6966.31	1707.37	9288.05	80.81	9018.95	154.79	58.53	PASS
5725.00†	5403.82	1743.05	431.01	11038.82	6966.41	1742.45	9288.04	80.60	8993.81	154.52	58.47	PASS
5825.00†	5497.16	1777.87	439.62	11003.74	6966.50	1777.53	9288.02	80.38	8969.57	154.24	58.42	PASS
5925.00†	5590.51	1812.69	448.24	10968.66	6966.60	1812.61	9288.01	80.17	8946.24	153.96	58.37	PASS
6025.00†	5683.85	1847.51	456.85	10933.58	6966.70	1847.69	9287.99	79.95	8923.84	153.67	58.34	PASS
6125.00†	5777.20	1882.34	465.46	10898.50	6966.80	1882.77	9287.98	79.74	8902.36	153.37	58.31	PASS
6225.00†	5870.54	1917.16	474.07	10863.42	6966.90	1917.85	9287.96	79.52	8881.82	153.08	58.29	PASS
6325.00†	5963.89	1951.98	482.68	10828.34	6966.99	1952.93	9287.95	79.31	8862.22	152.77	58.28	PASS
6425.00†	6057.23	1986.81	491.29	10793.26	6967.09	1988.01	9287.93	79.09	8843.57	152.46	58.27	PASS
6525.00†	6150.57	2021.63	499.90	10758.18	6967.19	2023.09	9287.92	78.88	8825.88	152.14	58.28	PASS
6625.00†	6243.92	2056.45	508.51	10723.10	6967.29	2058.17	9287.90	78.66	8809.14	151.81	58.29	PASS
6725.00†	6337.26	2091.28	517.12	10688.02	6967.39	2093.25	9287.89	78.44	8793.37	151.48	58.32	PASS
6825.00†	6430.61	2126.10	525.73	10652.94	6967.48	2128.33	9287.87	78.23	8778.57	151.14	58.35	PASS
6925.00†	6523.95	2160.92	534.34	10617.86	6967.58	2163.41	9287.86	78.01	8764.75	150.79	58.39	PASS
7025.00†	6617.30	2195.75	542.96	10582.78	6967.68	2198.49	9287.84	77.79	8751.91	150.44	58.45	PASS
7035.17	6626.79	2199.29	543.83	10579.21	6967.69	2202.06	9287.84	77.77	8750.65	150.40	58.45	PASS
7125.00†	6709.85	2230.27	557.84	10548.00	6967.78	2233.26	9287.83	77.56	8733.79	150.22	58.41	PASS
7225.00†	6799.11	2263.56	567.92	10514.48	6967.87	2266.79	9287.81	77.34	8717.53	150.50	58.08	PASS
7325.00†	6882.86	2294.78	578.00	10483.04	6967.96	2298.22	9287.80	77.12	8701.53	150.89	57.63	PASS
7425.00†	6959.05	2323.17	588.08	10454.46	6968.04	2326.80	9287.79	76.90	8685.68	150.89	57.63	PASS
7525.00†	7025.79	2348.03	598.16	10429.45	6968.11	2351.82	9287.78	76.68	8669.81	151.23	57.11	PASS
7625.00†	7081.45	2368.75	608.24	10408.61	6968.17	2372.66	9287.77	76.46	8654.00	151.50	56.55	PASS
7725.00†	7124.65	2384.81	618.32	10392.46	6968.21	2388.81	9287.76	76.24	8638.24	151.70	55.94	PASS
7825.00†	7154.32	2395.83	628.40	10376.21	6968.24	2399.87	9287.76	76.02	8622.52	151.84	55.31	PASS
7925.00†	7169.75	2401.53	638.48	10360.00	6968.26	2405.56	9287.76	75.80	8606.84	151.91	54.66	PASS
7984.11	7172.00	2402.33	648.56	10343.75	6968.26	2406.35	9287.76	75.58	8591.16	151.95	54.00	PASS
8025.00†	7171.78	2402.22	658.64	10327.50	6968.26	2406.22	9287.76	75.36	8575.48	151.96	53.60	PASS
8125.00†	7171.23	2401.96	668.72	10311.25	6968.26	2405.92	9287.76	75.14	8559.80	151.97	53.33	PASS
8225.00†	7170.69	2401.70	678.80	10295.00	6968.26	2405.61	9287.76	74.92	8544.12	151.99	52.66	PASS
8325.00†	7170.15	2401.44	688.88	10278.75	6968.26	2405.30	9287.76	74.70	8528.44	152.01	51.99	PASS
8425.00†	7169.60	2401.17	698.96	10262.50	6968.26	2405.00	9287.76	74.48	8512.76	152.03	51.33	PASS
8525.00†	7169.06	2400.91	709.04	10246.25	6968.26	2404.69	9287.76	74.26	8497.08	152.06	50.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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†	7168.51	2400.65	1822.79	10376.88	6968.25	2404.38	9287.76	-8.32	7467.65	152.11	49.32	PASS	
8725.00†	7167.97	2400.39	1922.79	10377.19	6968.25	2404.08	9287.76	-8.21	7367.68	152.13	48.65	PASS	
8825.00†	7167.43	2400.12	2022.79	10377.49	6968.25	2403.77	9287.76	-8.10	7267.70	152.16	47.98	PASS	
8925.00†	7166.88	2399.86	2122.78	10377.80	6968.25	2403.46	9287.76	-7.99	7167.73	152.19	47.31	PASS	
9025.00†	7166.34	2399.60	2222.78	10378.11	6968.25	2403.16	9287.76	-7.89	7067.75	152.22	46.64	PASS	
9125.00†	7165.79	2399.33	2322.78	10378.41	6968.25	2402.85	9287.76	-7.78	6967.78	152.25	45.97	PASS	
9225.00†	7165.25	2399.07	2422.78	10378.72	6968.25	2402.54	9287.76	-7.67	6867.80	152.29	45.30	PASS	
9325.00†	7164.71	2398.81	2522.78	10379.03	6968.25	2402.24	9287.76	-7.56	6767.83	152.32	44.63	PASS	
9425.00†	7164.16	2398.55	2622.78	10379.33	6968.25	2401.93	9287.76	-7.45	6667.86	152.36	43.96	PASS	
9525.00†	7163.62	2398.28	2722.77	10379.64	6968.25	2401.62	9287.76	-7.35	6567.89	152.39	43.30	PASS	
9625.00†	7163.08	2398.02	2822.77	10379.95	6968.25	2401.32	9287.76	-7.24	6467.92	152.43	42.63	PASS	
9725.00†	7162.53	2397.76	2922.77	10380.26	6968.25	2401.01	9287.76	-7.13	6367.95	152.47	41.96	PASS	
9825.00†	7161.99	2397.50	3022.77	10380.56	6968.24	2400.70	9287.76	-7.02	6267.99	152.51	41.29	PASS	
9925.00†	7161.44	2397.23	3122.77	10380.87	6968.24	2400.40	9287.76	-6.91	6168.02	152.55	40.62	PASS	
10025.00†	7160.90	2396.97	3222.76	10381.18	6968.24	2400.09	9287.76	-6.80	6068.05	152.59	39.95	PASS	
10125.00†	7160.36	2396.71	3322.76	10381.48	6968.24	2399.78	9287.76	-6.70	5968.09	152.63	39.28	PASS	
10225.00†	7159.81	2396.45	3422.76	10381.79	6968.24	2399.48	9287.76	-6.59	5868.13	152.68	38.61	PASS	
10325.00†	7159.27	2396.18	3522.76	10382.10	6968.24	2399.17	9287.76	-6.48	5768.16	152.72	37.94	PASS	
10425.00†	7158.72	2395.92	3622.76	10382.40	6968.24	2398.86	9287.76	-6.37	5668.20	152.77	37.27	PASS	
10525.00†	7158.18	2395.66	3722.76	10382.71	6968.24	2398.56	9287.76	-6.26	5568.24	152.82	36.60	PASS	
10625.00†	7157.64	2395.39	3822.75	10383.02	6968.24	2398.25	9287.76	-6.15	5468.29	152.87	35.93	PASS	
10725.00†	7157.09	2395.13	3922.75	10383.32	6968.24	2397.94	9287.76	-6.04	5368.33	152.92	35.26	PASS	
10825.00†	7156.55	2394.87	4022.75	10383.63	6968.24	2397.63	9287.76	-5.93	5268.38	152.97	34.60	PASS	
10925.00†	7156.01	2394.61	4122.75	10383.94	6968.24	2397.33	9287.76	-5.83	5168.42	153.02	33.93	PASS	
11025.00†	7155.46	2394.34	4222.75	10384.24	6968.23	2397.02	9287.76	-5.72	5068.47	153.08	33.26	PASS	
11125.00†	7154.92	2394.08	4322.74	10384.55	6968.23	2396.71	9287.76	-5.61	4968.52	153.13	32.59	PASS	
11225.00†	7154.37	2393.82	4422.74	10384.86	6968.23	2396.41	9287.76	-5.50	4868.58	153.19	31.92	PASS	
11325.00†	7153.83	2393.56	4522.74	10385.16	6968.23	2396.10	9287.76	-5.39	4768.63	153.25	31.26	PASS	
11425.00†	7153.29	2393.29	4622.74	10385.47	6968.23	2395.79	9287.76	-5.28	4668.69	153.31	30.59	PASS	
11525.00†	7152.74	2393.03	4722.74	10385.78	6968.23	2395.49	9287.76	-5.17	4568.75	153.37	29.92	PASS	
11625.00†	7152.20	2392.77	4822.74	10386.08	6968.23	2395.18	9287.76	-5.06	4468.81	153.43	29.26	PASS	
11725.00†	7151.65	2392.51	4922.73	10386.39	6968.23	2394.87	9287.76	-4.95	4368.88	153.49	28.59	PASS	
11825.00†	7151.11	2392.24	5022.73	10386.70	6968.23	2394.57	9287.76	-4.84	4268.95	153.55	27.93	PASS	
11925.00†	7150.57	2391.98	5122.73	10387.00	6968.23	2394.26	9287.76	-4.73	4169.02	153.62	27.26	PASS	
12025.00†	7150.02	2391.72	5222.73	10387.31	6968.23	2393.95	9287.76	-4.62	4069.10	153.69	26.59	PASS	
12125.00†	7149.48	2391.45	5322.73	10387.62	6968.22	2393.65	9287.76	-4.51	3969.18	153.76	25.93	PASS	
12225.00†	7148.93	2391.19	5422.72	10387.92	6968.22	2393.34	9287.76	-4.41	3869.26	153.83	25.27	PASS	
12325.00†	7148.39	2390.93	5522.72	10388.23	6968.22	2393.03	9287.76	-4.30	3769.35	153.90	24.60	PASS	
12425.00†	7147.85	2390.67	5622.72	10388.54	6968.22	2392.73	9287.76	-4.19	3669.44	153.97	23.94	PASS	
12525.00†	7147.30	2390.40	5722.72	10388.84	6968.22	2392.42	9287.76	-4.08	3569.54	154.04	23.27	PASS	
12625.00†	7146.76	2390.14	5822.72	10389.15	6968.22	2392.11	9287.76	-3.97	3469.64	154.12	22.61	PASS	
12725.00†	7146.22	2389.88	5922.72	10389.46	6968.22	2391.81	9287.76	-3.86	3369.75	154.20	21.95	PASS	
12825.00†	7145.67	2389.62	6022.71	10389.76	6968.22	2391.50	9287.76	-3.75	3269.87	154.28	21.29	PASS	
12925.00†	7145.13	2389.35	6122.71	10390.07	6968.22	2391.19	9287.76	-3.64	3169.99	154.36	20.63	PASS	
13025.00†	7144.58	2389.09	6222.71	10390.38	6968.22	2390.89	9287.76	-3.53	3070.12	154.44	19.97	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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	
13125.00†	7144.04	2388.83	6322.71	10390.68	6968.22	2390.58	9287.76	-3.42	2970.26	154.53	19.31	PASS	
13225.00†	7143.50	2388.57	6422.71	10390.99	6968.22	2390.27	9287.76	-3.31	2870.41	154.62	18.65	PASS	
13325.00†	7142.95	2388.30	6522.70	10391.30	6968.21	2389.97	9287.76	-3.20	2770.57	154.71	17.99	PASS	
13425.00†	7142.41	2388.04	6622.70	10391.60	6968.21	2389.66	9287.76	-3.09	2670.75	154.80	17.33	PASS	
13525.00†	7141.86	2387.78	6722.70	10391.91	6968.21	2389.35	9287.76	-2.98	2570.93	154.90	16.67	PASS	
13625.00†	7141.32	2387.51	6822.70	10392.22	6968.21	2389.05	9287.76	-2.87	2471.13	155.00	16.01	PASS	
13725.00†	7140.78	2387.25	6922.70	10392.52	6968.21	2388.74	9287.76	-2.76	2371.35	155.10	15.35	PASS	
13825.00†	7140.23	2386.99	7022.70	10392.83	6968.21	2388.43	9287.76	-2.65	2271.59	155.21	14.70	PASS	
13925.00†	7139.69	2386.73	7122.69	10393.14	6968.21	2388.13	9287.76	-2.54	2171.85	155.32	14.04	PASS	
14025.00†	7139.14	2386.46	7222.69	10393.44	6968.21	2387.82	9287.76	-2.43	2072.13	155.44	13.39	PASS	
14125.00†	7138.60	2386.20	7322.69	10393.75	6968.21	2387.51	9287.76	-2.32	1972.45	155.56	12.73	PASS	
14225.00†	7138.06	2385.94	7422.69	10394.06	6968.21	2387.21	9287.76	-2.21	1872.79	155.69	12.08	PASS	
14325.00†	7137.51	2385.68	7522.69	10394.36	6968.21	2386.90	9287.76	-2.10	1773.18	155.83	11.43	PASS	
14425.00†	7136.97	2385.41	7622.68	10394.67	6968.21	2386.59	9287.76	-1.99	1673.61	155.98	10.77	PASS	
14525.00†	7136.43	2385.15	7722.68	10394.98	6968.20	2386.29	9287.76	-1.88	1574.10	156.14	10.12	PASS	
14625.00†	7135.88	2384.89	7822.68	10395.28	6968.20	2385.98	9287.76	-1.77	1474.65	156.32	9.47	PASS	
14725.00†	7135.34	2384.63	7922.68	10395.59	6968.20	2385.67	9287.76	-1.66	1375.28	156.51	8.82	PASS	
14825.00†	7134.79	2384.36	8022.68	10395.90	6968.20	2385.37	9287.76	-1.55	1276.01	156.72	8.17	PASS	
14925.00†	7134.25	2384.10	8122.68	10396.20	6968.20	2385.06	9287.76	-1.44	1176.86	156.97	7.53	PASS	
15025.00†	7133.71	2383.84	8222.67	10396.51	6968.20	2384.75	9287.76	-1.33	1077.87	157.26	6.88	PASS	
15125.00†	7133.16	2383.57	8322.67	10396.82	6968.20	2384.45	9287.76	-1.22	979.09	157.60	6.24	PASS	
15225.00†	7132.62	2383.31	8422.67	10397.12	6968.20	2384.14	9287.76	-1.11	880.58	158.01	5.59	PASS	
15325.00†	7132.07	2383.05	8522.67	10397.43	6968.20	2383.83	9287.76	-1.00	782.45	158.53	4.95	PASS	
15338.67	7132.00	2383.01	8536.34	10397.47	6968.20	2383.79	9287.76	-0.99	769.07	158.61	4.87	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. KINDSFATER 24E-223 AWB** Offset Wellpath: **EX. KINDSFATER 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. KINDSFATER 24E-223 AWB** Offset Wellpath: **EX. KINDSFATER 24E-223 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11556.00	ISWCWA MWD, Rev. 4 (Standard)	ENSGN DIRECTIONAL ***PLANS*** PROVIDED BY SRC <400'-11556>	EX. KINDSFATER 24E-223 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. KINDSFATER 24E-223 AWB** Offset Wellpath: **EX. KINDSFATER 24E-223 AWP**

MD Reference: Rig on SLOT#03 EX. KINDSFATER 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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: ELDRIDGE #2-23 AWB Offset Wellpath: ELDRIDGE #2-23 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#03 EX:ELDRIDGE #2-23 (1993'FNL & 2048'FEL SEC.23,PR,7260'MD) Well: ELDRIDGE #2-23 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	8.32	19.32	4018.68	7008.95	60.17	8079.31	50.13	164.18	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	2450.40	4272.31	2450.81	4272.57
8.625in Casing Surface	0.00	416.00	416.00	-14.00	401.99	2450.40	4272.31	2450.81	4272.57
7.875in Open Hole	416.00	7256.00	6840.00	401.99	7241.24	2450.81	4272.57	2448.95	4275.56
4.5in Casing Production	0.00	7256.00	7256.00	-14.00	7241.24	2450.40	4272.31	2448.95	4275.56

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	160.67	317.75	1.56	527.97	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-299.83	105.18	160.67	317.75	1.89	343.08	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-299.83	105.18	160.67	317.75	2.30	236.44	PASS	
225.00†	225.00	0.11	0.03	223.64	223.64	-299.91	105.12	146.80	317.89	2.44	214.32	PASS	
325.00†	324.96	2.65	0.65	318.00	317.97	-301.71	103.64	147.36	321.38	3.39	132.27	PASS	
425.00†	424.77	8.57	2.12	411.60	411.40	-305.87	100.22	148.61	329.66	4.82	85.17	PASS	
525.00†	524.30	17.88	4.42	503.84	503.27	-312.27	94.96	150.42	342.98	6.06	67.13	PASS	
625.00†	623.44	30.55	7.55	594.18	592.94	-320.75	87.99	152.63	361.68	7.23	57.59	PASS	
725.00†	722.07	46.57	11.52	682.10	679.83	-331.10	79.48	155.05	386.05	8.37	52.02	PASS	
825.00†	820.05	65.92	16.30	767.16	763.47	-343.06	69.65	157.55	416.31	9.52	48.53	PASS	
925.00†	917.29	88.58	21.90	848.98	843.44	-356.38	58.71	159.98	452.54	10.53	47.21	PASS	
1025.00†	1013.64	114.52	28.32	933.18	925.31	-371.57	46.22	162.43	494.38	11.48	46.93	PASS	
1125.00†	1109.01	143.71	35.54	1019.46	1009.16	-387.28	33.30	164.69	540.31	12.35	47.35	PASS	
1225.00†	1203.27	176.12	43.55	1103.96	1091.28	-402.67	20.65	166.66	589.97	13.14	48.39	PASS	
1251.08	1227.65	185.09	45.77	1125.69	1112.40	-406.63	17.40	167.13	603.51	13.40	48.46	PASS	
1325.00†	1296.66	210.83	52.13	1187.11	1172.09	-417.81	8.21	168.56	642.37	13.77	50.07	PASS	
1425.00†	1390.00	245.65	60.74	1270.19	1252.83	-432.94	-4.23	170.24	695.37	14.50	51.31	PASS	
1525.00†	1483.35	280.48	69.36	1353.28	1333.57	-448.08	-16.66	171.69	748.75	15.13	52.78	PASS	
1625.00†	1576.69	315.30	77.97	1436.36	1414.31	-463.21	-29.10	172.96	802.43	15.77	54.12	PASS	
1725.00†	1670.04	350.12	86.58	1519.44	1495.06	-478.34	-41.54	174.07	856.37	16.42	55.34	PASS	
1825.00†	1763.38	384.95	95.19	1602.53	1575.80	-493.47	-53.97	175.05	910.52	16.80	56.70	PASS	
1925.00†	1856.72	419.77	103.80	1685.61	1656.54	-508.60	-66.41	175.92	964.84	17.19	58.65	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)

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

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	64.12	-249.98	8.88
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.11	-182.78	64.12	-249.98	8.88
8.5in Open Hole	1750.00	16774.69	15024.69	1719.11	N/A	-249.98	8.88	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: 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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **EX. LEFFLER 1-27 AWB** Offset Wellpath: **EX. LEFFLER 1-27 AWP**

Facility: SEC.27-T06N-R66W		Slot: SLOT#01 EX. LEFFLER 1-27 (600'FNL & 600'FEL, PR/CODL)		Well: EX. LEFFLER 1-27		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-13.00	25.00	136.08	3079.72	87.47	3082.72	25.57	125.27	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	105.18	161.80	336.72	1.56	559.59	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-319.87	105.18	161.80	336.72	1.89	363.30	PASS	
200.00	200.00	0.00	0.00	200.00	200.00	-319.87	105.18	161.80	336.72	2.31	249.27	PASS	
225.00†	225.00	0.11	0.03	225.00	225.00	-319.87	105.18	147.92	336.81	2.45	225.45	PASS	
325.00†	324.96	2.65	0.65	323.30	323.30	-319.95	105.13	148.14	339.09	3.30	144.47	PASS	
425.00†	424.77	8.57	2.12	416.21	416.18	-321.80	103.83	148.86	345.78	4.57	95.50	PASS	
525.00†	524.30	17.88	4.42	508.06	507.88	-326.04	100.83	150.14	357.56	5.83	73.29	PASS	
625.00†	623.44	30.55	7.55	598.29	597.75	-332.56	96.25	151.85	374.66	7.00	61.91	PASS	
725.00†	722.07	46.57	11.52	686.37	685.20	-341.14	90.21	153.83	397.33	8.12	55.41	PASS	
825.00†	820.05	65.92	16.30	771.82	769.69	-351.57	82.87	155.94	425.75	9.20	51.57	PASS	
925.00†	917.29	88.58	21.90	854.23	850.78	-363.57	74.42	158.07	460.02	10.24	49.49	PASS	
1025.00†	1013.64	114.52	28.32	933.25	928.11	-376.86	65.05	160.11	500.13	11.25	48.54	PASS	
1125.00†	1109.01	143.71	35.54	1008.60	1001.40	-391.16	54.99	162.02	545.94	12.20	48.52	PASS	
1225.00†	1203.27	176.12	43.55	1080.07	1070.46	-406.17	44.42	163.76	597.24	13.05	49.32	PASS	
1251.08	1227.65	185.09	45.77	1101.07	1090.69	-410.80	41.16	164.27	611.44	13.24	49.72	PASS	
1325.00†	1296.66	210.83	52.13	1160.87	1148.28	-423.96	31.89	165.85	652.22	13.73	51.02	PASS	
1425.00†	1390.00	245.65	60.74	1241.77	1226.19	-441.77	19.36	167.72	707.89	14.33	52.89	PASS	
1525.00†	1483.35	280.48	69.36	1322.67	1304.10	-459.58	6.82	169.32	764.02	14.96	54.53	PASS	
1625.00†	1576.69	315.30	77.97	1403.56	1382.01	-477.39	-5.72	170.72	820.53	15.59	56.03	PASS	
1725.00†	1670.04	350.12	86.53	1484.46	1459.92	-495.20	-18.26	171.94	877.34	16.22	57.43	PASS	
1825.00†	1763.38	384.95	95.19	1565.35	1537.83	-513.01	-30.80	173.01	934.39	16.59	58.96	PASS	
1925.00†	1856.72	419.77	103.80	1646.25	1615.74	-530.82	-43.34	173.97	991.64	16.97	61.11	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

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	64.12	-266.25	13.95
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1715.66	-194.99	64.12	-266.25	13.95
8.5in Open Hole	1750.00	16723.95	14973.95	1715.66	7063.00	-266.25	13.95	-649.10	2750.58

SURVEY PROGRAM - Offset Wellbore: 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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	248.20	1937.17	82.70	1953.00	25.57	79.35	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1260.61	7088.09	100.09	7199.32	25.57	292.59	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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	17.87	24.87	4083.96	5865.49	55.15	7147.22	50.13	145.24	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	2490.01	3575.31	2490.37	3575.16
8.625in Casing Surface	0.00	311.00	311.00	-18.00	293.00	2490.01	3575.31	2490.37	3575.16
7.875in Open Hole	311.00	7300.00	6989.00	293.00	7281.00	2490.37	3575.16	2474.04	3564.96
4.5in Casing Production	0.00	7300.00	7300.00	-18.00	7281.00	2490.01	3575.31	2474.04	3564.96

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1217.96	11275.20	83.84	11340.79	25.57	460.93	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2290.93	8143.35	105.71	8459.46	25.57	343.82	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	5659.36	10522.05	61.73	11947.46	50.18	242.72	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. LEFFLER 5 AWB Offset Wellpath: EX. LEFFLER 5 AWP

Facility: SEC.27-T06N-R66W Slot: SLOT#05 EX. LEFFLER 5 (1300'FNL & 1170'FEL, PR/NB-CD) Well: EX. LEFFLER 5 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-5.00	25.00	-550.72	2491.28	102.47	2551.42	25.57	103.67	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2116.33	2023.25	-4274.47	318.92	175.73	4729.25	48.72	98.92	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	375.16	-2798.78	311.29
9.625in Casing Surface	20.00	1808.00	1788.00	37.00	1746.55	-2903.54	375.16	-2792.74	307.57
8.5in Open Hole	1761.00	14690.00	12929.00	1705.71	6970.76	-2798.78	311.29	-2054.28	2119.39

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: **BEEBE 25N-26B-M AWB** 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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1242.66	4352.97	105.93	4526.87	52.13	88.45	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2052.84	1981.87	-4358.12	350.74	175.40	4790.15	48.66	100.32	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	-2915.75	375.16	-2819.52	313.53
9.625in Casing Surface	20.00	1813.00	1793.00	37.00	1761.32	-2915.75	375.16	-2814.32	309.90
8.5in Open Hole	1766.00	14766.00	13000.00	1719.19	N/A	-2819.52	313.53	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

OFFSET WELLPATH REFERENCE - Offset Wellbore: BEEBE 25C-26-M AWB 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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	4299.85	10024.95	66.79	10908.18	50.17	221.67	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#03 EX. LEFFLER 2 (1780'FNL & 460'FEL, PR/CODL) Well: EX. LEFFLER 2 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-12.00	25.00	-1039.93	3237.08	107.81	3400.02	25.57	138.16	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. BARNEY 7 AWB Offset Wellpath: EX. BARNEY 7 AWP

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. BARNEY 7 (231'FSL & 1500'FWL, PR/NB-CD) Well: EX. BARNEY 7 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	0.00	25.00	957.97	5204.01	79.57	5291.45	50.17	107.52	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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24J-243 AWB Offset Wellpath: EX. KINDSFATER 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	5659.37	10552.65	61.80	11974.43	50.19	243.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. KINDSFATER 24J-243 AWB Offset Wellpath: EX. KINDSFATER 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. KINDSFATER 24J-243 AWB Offset Wellpath: EX. KINDSFATER 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. KINDSFATER 24J-243 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. KINDSFATER 24J-243 AWB Offset Wellpath: EX. KINDSFATER 24J-243 AWP

MD Reference: Rig on SLOT#05 EX. KINDSFATER 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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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											
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio
25.00	25.00	0.00	0.00	11.09	25.09	2733.10	266.82	5.58	2746.10	50.13	55.79
125.00†	125.00	0.00	0.00	112.14	126.14	2733.10	266.68	5.57	2746.08	50.13	55.79
200.00	200.00	0.00	0.00	189.51	203.51	2733.04	266.58	5.57	2746.02	50.14	55.78
225.00†	225.00	0.11	0.03	214.98	228.97	2733.01	266.57	-8.32	2745.87	50.14	55.77
325.00†	324.96	2.65	0.65	315.62	329.62	2732.86	266.42	-8.34	2743.12	50.18	55.67
425.00†	424.77	8.57	2.12	413.98	427.98	2732.75	265.99	-8.38	2736.93	50.26	55.45
525.00†	524.30	17.88	4.42	509.98	523.98	2732.77	265.36	-8.45	2727.40	50.36	55.15
625.00†	623.44	30.55	7.55	609.56	623.56	2732.83	264.73	-8.55	2714.49	50.29	54.78
725.00†	722.07	46.57	11.52	706.06	720.05	2732.93	264.10	-8.66	2698.21	50.40	54.33
825.00†	820.05	65.92	16.30	808.94	822.93	2732.97	263.35	-8.81	2678.47	50.51	53.81
925.00†	917.29	88.58	21.90	902.46	916.45	2732.99	262.74	-8.97	2655.35	50.64	53.21
1025.00†	1013.64	114.52	28.32	998.61	1012.60	2733.08	262.14	-9.16	2628.97	50.78	52.54
1125.00†	1109.01	143.71	35.54	1095.92	1109.91	2733.13	261.63	-9.38	2599.27	50.92	51.79
1225.00†	1203.27	176.12	43.55	1194.96	1208.95	2733.04	261.22	-9.63	2566.18	51.08	50.97
1251.08	1227.65	185.09	45.77	1219.23	1233.21	2732.99	261.12	-9.70	2556.99	51.12	50.75
1325.00†	1296.66	210.83	52.13	1286.95	1300.94	2732.88	260.87	-9.81	2530.68	51.21	50.14
1425.00†	1390.00	245.65	60.74	1378.32	1392.30	2732.79	260.51	-9.95	2495.15	51.33	49.31
1525.00†	1483.35	280.48	69.36	1471.03	1485.01	2732.76	260.03	-10.11	2459.68	51.47	48.48
1625.00†	1576.69	315.30	77.97	1561.45	1575.43	2732.77	259.57	-10.26	2424.28	51.62	47.64
1725.00†	1670.04	350.12	86.58	1656.74	1670.72	2732.86	259.25	-10.43	2388.98	51.78	46.80
1825.00†	1763.38	384.95	95.19	1751.96	1765.94	2732.79	258.77	-10.60	2353.53	51.71	45.99
1925.00†	1856.72	419.77	103.80	1843.63	1857.60	2732.75	258.29	-10.77	2318.13	51.77	45.24
2025.00†	1950.07	454.59	112.41	1935.24	1949.21	2732.79	257.70	-10.95	2282.83	51.85	44.48
2125.00†	2043.41	489.42	121.02	2027.58	2041.55	2732.90	256.98	-11.14	2247.60	51.95	43.71
2225.00†	2136.76	524.24	129.63	2122.51	2136.48	2733.01	256.09	-11.35	2212.39	52.07	42.93
2325.00†	2230.10	559.06	138.24	2220.19	2234.15	2732.98	254.96	-11.58	2177.05	52.20	42.13
2425.00†	2323.45	593.89	146.85	2314.89	2328.85	2732.83	253.65	-11.81	2141.62	52.36	41.32
2525.00†	2416.79	628.71	155.46	2407.02	2420.96	2732.69	252.18	-12.05	2106.21	52.52	40.51
2625.00†	2510.14	663.53	164.08	2495.19	2509.12	2732.69	250.68	-12.29	2070.97	52.70	39.69
2725.00†	2603.48	698.35	172.69	2586.57	2600.48	2732.85	249.06	-12.54	2035.93	52.90	38.87
2825.00†	2696.83	733.18	181.30	2682.76	2696.66	2733.00	247.28	-12.83	2000.91	53.12	38.05
2925.00†	2790.17	768.00	189.91	2772.58	2786.46	2733.11	245.61	-13.10	1965.90	53.35	37.22
3025.00†	2883.51	802.82	198.52	2866.76	2880.63	2733.36	243.87	-13.40	1931.07	53.59	36.39
3125.00†	2976.86	837.65	207.13	2958.39	2972.24	2733.53	242.19	-13.70	1896.21	53.85	35.56
3225.00†	3070.20	872.47	215.74	3050.53	3064.37	2733.85	240.51	-14.01	1861.55	54.13	34.73
3325.00†	3163.55	907.29	224.35	3142.35	3156.17	2734.15	239.04	-14.33	1826.94	54.42	33.90
3425.00†	3256.89	942.12	232.96	3231.58	3245.39	2734.64	237.73	-14.64	1792.57	54.73	33.07
3525.00†	3350.24	976.94	241.57	3323.40	3337.20	2735.30	236.38	-14.98	1758.42	55.05	32.25
3625.00†	3443.58	1011.76	250.18	3418.11	3431.89	2735.94	235.10	-15.33	1724.28	55.38	31.43
3725.00†	3536.93	1046.58	258.80	3507.79	3521.56	2736.64	234.10	-15.67	1690.31	55.73	30.62
3825.00†	3630.27	1081.41	267.41	3600.39	3614.16	2737.50	233.25	-16.03	1656.52	56.09	29.81
3925.00†	3723.62	1116.23	276.02	3694.66	3708.42	2738.38	232.48	-16.41	1622.81	56.47	29.01
4025.00†	3816.96	1151.05	284.63	3790.44	3804.19	2739.20	231.85	-16.81	1589.07	56.85	28.21
4125.00†	3910.30	1185.88	293.24	3891.35	3905.11	2739.77	231.44	-17.23	1555.13	57.25	27.41
4225.00†	4003.65	1220.70	301.85	3984.78	3998.54	2740.05	231.15	-17.64	1521.01	57.66	26.62

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL, SEC.22, PR, 7279' MD) Well: RUTT-ADAMS HEIRS #1-22 Threshold Value=1.00 † = Interpolated/extrapolated												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	
4325.00†	4096.99	1255.52	310.46	4077.17	4090.92	2740.38	230.80	-18.07	1487.00	58.09	25.83	
4425.00†	4190.34	1290.35	319.07	4171.91	4185.66	2740.73	230.51	-18.52	1453.09	58.53	25.05	
4525.00†	4283.68	1325.17	327.68	4267.16	4280.91	2740.95	230.19	-19.00	1419.14	58.97	24.28	
4625.00†	4377.03	1359.99	336.29	4359.40	4373.15	2741.11	229.80	-19.49	1385.22	59.43	23.51	
4725.00†	4470.37	1394.82	344.90	4450.64	4464.39	2741.42	229.51	-19.99	1351.56	59.90	22.76	
4825.00†	4563.72	1429.64	353.52	4545.05	4558.79	2741.83	229.13	-20.54	1318.08	60.38	22.02	
4925.00†	4657.06	1464.46	362.13	4641.36	4655.11	2742.02	228.70	-21.13	1284.51	60.87	21.28	
5025.00†	4750.41	1499.28	370.74	4736.53	4750.27	2742.04	228.09	-21.76	1250.92	61.37	20.56	
5125.00†	4843.75	1534.11	379.35	4832.49	4846.23	2741.88	227.52	-22.43	1217.28	61.88	19.84	
5225.00†	4937.10	1568.93	387.96	4928.31	4942.04	2741.49	226.84	-23.14	1183.59	62.39	19.13	
5325.00†	5030.44	1603.75	396.57	5022.99	5036.72	2740.88	225.98	-23.90	1149.87	62.92	18.42	
5425.00†	5123.78	1638.58	405.18	5115.39	5129.11	2740.21	224.74	-24.70	1116.33	63.47	17.73	
5525.00†	5217.13	1673.40	413.79	5209.40	5223.11	2739.44	223.09	-25.59	1082.98	64.02	17.05	
5625.00†	5310.47	1708.22	422.40	5302.82	5316.50	2738.55	221.24	-26.54	1049.80	64.58	16.38	
5725.00†	5403.82	1743.05	431.01	5394.41	5408.07	2737.73	219.46	-27.52	1016.94	65.16	15.73	
5825.00†	5497.16	1777.87	439.62	5486.93	5500.57	2736.98	217.69	-28.58	984.45	65.75	15.09	
5925.00†	5590.51	1812.69	448.24	5580.67	5594.28	2736.13	215.63	-29.74	952.29	66.34	14.46	
6025.00†	5683.85	1847.51	456.85	5670.60	5684.18	2735.29	213.36	-30.94	920.56	66.97	13.85	
6125.00†	5777.20	1882.34	465.46	5763.59	5777.13	2734.66	210.98	-32.27	889.50	67.59	13.26	
6225.00†	5870.54	1917.16	474.07	5858.53	5872.05	2733.85	208.62	-33.71	858.74	68.21	12.68	
6325.00†	5963.89	1951.98	482.68	5951.43	5964.92	2732.95	206.56	-35.21	828.34	68.86	12.12	
6425.00†	6057.23	1986.81	491.29	6041.31	6054.78	2732.29	204.67	-36.75	798.68	69.53	11.57	
6525.00†	6150.57	2021.63	499.90	6131.25	6144.69	2732.05	202.63	-38.40	770.13	70.22	11.05	
6625.00†	6243.92	2056.45	508.51	6223.88	6237.29	2731.88	200.36	-40.23	742.43	70.90	10.54	
6725.00†	6337.26	2091.28	517.12	6315.79	6329.18	2731.88	198.19	-42.15	715.66	71.60	10.06	
6825.00†	6430.61	2126.10	525.73	6408.71	6422.08	2732.01	196.03	-44.23	689.85	72.31	9.60	
6925.00†	6523.95	2160.92	534.34	6502.49	6515.83	2732.24	194.10	-46.45	665.00	73.03	9.17	
7025.00†	6617.30	2195.75	542.96	6596.50	6609.83	2732.75	192.79	-48.77	641.13	73.76	8.75	
7035.17	6626.73	2199.29	543.83	6606.15	6619.49	2732.83	192.70	-49.02	638.76	73.83	8.71	
7125.00†	6709.85	2230.27	557.84	6690.87	6704.20	2733.39	191.99	-70.98	622.10	74.60	8.39	
7225.00†	6799.11	2263.56	567.92	6781.49	6794.82	2733.91	191.46	-89.20	615.17	75.91	8.16	
7309.70†	6870.49	2290.17	624.81	6853.58	6866.90	2734.26	191.18	-100.28	620.70	77.26	8.08	
7325.00†	6882.86	2294.78	632.54	6866.01	6879.33	2734.30	191.12	-101.93	622.93	77.51	8.09	
7425.00†	6959.05	2323.17	690.58	6942.17	6955.49	2734.46	190.70	-110.65	647.35	79.22	8.22	
7525.00†	7025.79	2348.03	760.63	7009.38	7022.70	2734.66	190.43	-116.25	688.93	81.42	8.51	
7625.00†	7081.45	2368.75	840.96	7065.49	7078.81	2734.80	190.25	-118.97	746.61	82.70	9.08	
7725.00†	7124.63	2384.81	929.59	7109.06	7122.38	2734.88	190.13	-118.51	818.14	83.22	9.89	
7825.00†	7154.32	2395.83	1024.34	7138.97	7152.29	2734.93	190.07	-113.67	900.55	83.76	10.82	
7925.00†	7169.75	2401.53	1122.87	7154.47	7167.79	2734.95	190.05	-101.45	990.63	84.25	11.83	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: RUTT-ADAMS HEIRS #1-22 AWB Offset Wellpath: RUTT-ADAMS HEIRS #1-22 AWP

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

HOLE & CASING SECTIONS - Offset Wellbore: **RUTT-ADAMS HEIRS #1-22 AWB** Offset Wellpath: **RUTT-ADAMS HEIRS #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	532.00	532.00	-11.00	521.00	1666.10	162.64	1666.00	162.15
8.625in Casing Surface	0.00	532.00	532.00	-11.00	521.00	1666.10	162.64	1666.00	162.15
7.875in Open Hole	532.00	7235.00	6703.00	521.00	7223.32	1666.00	162.15	1666.68	139.22
4.5in Casing Production	0.00	7235.00	7235.00	-11.00	7223.32	1666.10	162.64	1666.68	139.22

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	VESSE GyroFlex v4	VES GYRO SURVEYS FROM SYNERGY, ADJ FROM GRID TO TRUE <100-6950>	RUTT-ADAMS HEIRS #1-22 AWB
6950.00	7279.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7279' FROM CO WEBSITE>	RUTT-ADAMS HEIRS #1-22 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **RUTT-ADAMS HEIRS #1-22 AWB** Offset Wellpath: **RUTT-ADAMS HEIRS #1-22 AWP**

MD Reference: Rig on SLOT#02 EX:RUTT-ADAMS HEIRS #1-22 (1980'FSL&1980'FWL,SEC.22,7279'MD) (RT)	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1076.85	-94.29	1079.88	50.23	21.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. CROISSANT 27-4G6 AWB** Offset Wellpath: **EX. CROISSANT 27-4G6 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. CROISSANT 27-4G6 AWB** Offset Wellpath: **EX. CROISSANT 27-4G6 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7259.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7259>	EX. CROISSANT 27-4G6 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. CROISSANT 27-4G6 AWB** Offset Wellpath: **EX. CROISSANT 27-4G6 AWP**

MD Reference: Rig on SLOT#10 EX. CROISSANT 27-4G6 (661°FNL & 670°FWL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 sta			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Statu	
25.00	25.00	0.00	0.00	16.47	28.47	3858.30	3063.11	38.45	4926.37	50.13	100.10	PAS	

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	2352.14	1867.13	2351.97	1866.90
8.625in Casing Surface	0.00	472.00	472.00	-13.00	459.00	2352.14	1867.13	2351.97	1866.90
7.875in Open Hole	472.00	7293.00	6821.00	459.00	7279.53	2351.97	1866.90	2342.70	1860.17
4.5in Casing Production	0.00	7293.00	7293.00	-13.00	7279.53	2352.14	1867.13	2342.70	1860.17

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	VESSI 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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1241.13	9731.92	97.27	9810.75	25.57	398.74	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2710.16	7280.80	110.42	7768.85	25.57	315.74	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	-1651.46	4438.62	-1651.46	4438.62
7in Casing Surface	0.00	481.00	481.00	26.00	507.00	-1651.46	4438.62	-1651.46	4438.62
6.25in Open Hole	481.00	7260.00	6779.00	507.00	7286.00	-1651.46	4438.62	-1651.46	4438.62
2.875in Casing Production	0.00	7260.00	7260.00	26.00	7286.00	-1651.46	4438.62	-1651.46	4438.62

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	339.78	164.39	1262.70	25.57	51.29	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	2883.02	9948.16	73.84	10357.50	50.17	210.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100'-7000'>	EX. SEELY LAKE 2 AWB
7000.00	7245.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7245'>	EX. SEELY LAKE 2 AWB

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

MD Reference: Rig on SLOT#07 EX. SEELY LAKE 2 (2180'FSL & 860'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **EX. KNAUS D 1-28 AWB** Offset Wellpath: **EX. KNAUS D 1-28 AWP**

Facility: SEC.28-T06N-R66W Slot: SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL) Well: EX. KNAUS D 1-28 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	5.00	25.00	46.03	-2490.94	-88.94	2491.36	50.18	50.60	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1000.94	-141.81	1618.73	25.57	65.76	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2144.61	-116.01	2386.19	25.57	96.95	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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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1365.17	5670.33	103.54	5832.35	25.57	237.03	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	-831.81	3456.73	-832.07	3456.61
8.625in Casing Surface	0.00	481.00	481.00	26.00	507.00	-831.81	3456.73	-832.07	3456.61
7.875in Open Hole	481.00	7259.00	6778.00	507.00	7283.42	-832.07	3456.61	-816.71	3451.16
4.5in Casing Production	0.00	7259.00	7259.00	26.00	7283.42	-831.81	3456.73	-816.71	3451.16

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2714.09	9702.20	105.63	10074.67	25.57	409.47	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. BUXMAN 28-15 AWB Offset Wellpath: EX. BUXMAN 28-15 AWP

Facility: SEC.28-T06N-R66W				Slot: SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD)			Well: EX. BUXMAN 28-15		Threshold Value=1.00		† = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	14.00	25.00	-579.79	-3132.40	-100.49	3185.60	50.20	64.69	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

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TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2560.23	2997.40	130.50	3941.98	25.57	160.19	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	-1560.60	1827.31	-1560.60	1827.31
8.625in Casing Surface	0.00	434.00	434.00	7.00	441.00	-1560.60	1827.31	-1560.60	1827.31
7.875in Open Hole	434.00	7280.00	6846.00	441.00	7287.00	-1560.60	1827.31	-1560.60	1827.31
4.5in Casing Production	0.00	7280.00	7280.00	7.00	7287.00	-1560.60	1827.31	-1560.60	1827.31

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	24.01	28.01	4042.51	1717.67	23.02	4392.30	50.13	89.25	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	2464.36	1047.01	2464.06	1046.97
8.625in Casing Surface	0.00	411.00	411.00	-21.00	390.00	2464.36	1047.01	2464.06	1046.97
7.875in Open Hole	411.00	7284.00	6873.00	390.00	7261.80	2464.06	1046.97	2464.15	1025.60
4.5in Casing Production	0.00	7284.00	7284.00	-21.00	7261.80	2464.36	1047.01	2464.15	1025.60

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **EX. RONALD 1-28 AWB** Offset Wellpath: **EX. RONALD 1-28 AWP**

Facility: SEC.28-T06N-R66W				Slot: SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL)			Well: EX. RONALD 1-28		Threshold Value=1.00		† = interpolated/extrapolated station	
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	-1252.29	-3628.34	-109.04	3838.37	50.20	77.94	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. RONALD 1-28 AWB** Offset Wellpath: **EX. RONALD 1-28 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. RONALD 1-28 AWB** Offset Wellpath: **EX. RONALD 1-28 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7220>	EX. RONALD 1-28 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. RONALD 1-28 AWB** Offset Wellpath: **EX. RONALD 1-28 AWP**

MD Reference: Rig on SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	48.22	-4964.91	-89.44	4965.14	50.17	100.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250>	EX. SWANSON 28-21 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SWANSON 28-21 AWB Offset Wellpath: EX. SWANSON 28-21 AWP

MD Reference: Rig on SLOT#06 EX. SWANSON 28-21 (658'FNL & 1985'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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]	ACR Status
25.00	25.00	0.00	0.00	-22.00	25.00	-2939.44	5403.81	118.54	6151.54	25.57	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	-1791.52	3294.36	-1791.89	3294.24
8.625in Casing Surface	0.00	253.00	253.00	22.00	275.00	-1791.52	3294.36	-1791.89	3294.24
7.875in Open Hole	253.00	7700.00	7447.00	275.00	7721.30	-1791.89	3294.24	-1790.44	3276.48
5.5in Casing Intermediate	0.00	7700.00	7700.00	22.00	7721.30	-1791.52	3294.36	-1790.44	3276.48

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1129.64	-4827.12	-103.17	4957.54	25.57	201.47	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: Rlg on SLOT#03 EX. SWANSON 28-24 (1835'FNL & 2126'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2423.14	-3810.81	-122.45	4515.95	25.57	183.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7244.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7244>	EX. DOERING 28-10 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. DOERING 28-10 AWB Offset Wellpath: EX. DOERING 28-10 AWP

MD Reference: Rig on SLOT#04 EX. DOERING 28-10 (1980'FSL & 1983'FEL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2380.75	4539.34	117.68	5125.78	25.57	208.31	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	-1451.05	2767.32	-1451.21	2766.97
8.625in Casing Surface	0.00	325.00	325.00	9.00	334.00	-1451.05	2767.32	-1451.21	2766.97
7.875in Open Hole	325.00	7302.00	6977.00	334.00	7308.65	-1451.21	2766.97	-1420.93	2737.76
4.5in Casing Production	0.00	7302.00	7302.00	9.00	7308.65	-1451.05	2767.32	-1420.93	2737.76

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP

Facility: SEC.28-T06N-R66W Slot: SLOT#01 EX SWANSON #28-22 (798'FNL & 521'FWL, SEC.28, PR, 7240) Well: SWANSON #28-22 Threshold Value=1.00 † = Interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	7.00	25.00	-127.40	-6424.68	-91.14	6425.94	50.16	130.48	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	369.00	369.00	-7.00	362.00	-77.15	-3916.49	-77.15	-3916.49
8.625in Casing Surface	0.00	369.00	369.00	-7.00	362.00	-77.15	-3916.49	-77.15	-3916.49
7.875in Open Hole	369.00	7230.00	6861.00	362.00	7223.00	-77.15	-3916.49	-77.15	-3916.49
4.5in Casing Production	0.00	7230.00	7230.00	-7.00	7223.00	-77.15	-3916.49	-77.15	-3916.49

WELLPATH COMPOSITION - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <7240>	SWANSON #28-22 AWP

OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #28-22 AWP Offset Wellpath: SWANSON #28-22 AWP

MD Reference: Rig on SLOT#01 EX SWANSON #28-22 (798'FNL & 521'FWL, SEC.28, PR, 7240) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1303.08	-6291.69	-101.70	6425.22	50.19	130.51	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	-793.87	-3835.52	-793.87	-3835.52
9.625in Casing Surface	0.00	213.00	213.00	-4.00	209.00	-793.87	-3835.52	-793.87	-3835.52
7.875in Open Hole	213.00	7798.00	7585.00	209.00	7794.00	-793.87	-3835.52	-793.87	-3835.52
5.5in Casing Production	0.00	7798.00	7798.00	-4.00	7794.00	-793.87	-3835.52	-793.87	-3835.52

WELLPATH COMPOSITION - Offset Wellbore: **SWANSON #1 AWB** Offset Wellpath: **SWANSON #1 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8971.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <8971>	SWANSON #1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **SWANSON #1 AWB** Offset Wellpath: **SWANSON #1 AWP**

MD Reference: Rig on SLOT#01 EX SWANSON #1 (1980'FNL & 660'FWL, SEC.28, PA, 8971') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1107.40	-6475.58	-99.70	6569.58	50.22	133.35	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **SWANSON #28-23 AWB** Offset Wellpath: **SWANSON #28-23 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **SWANSON #28-23 AWB** Offset Wellpath: **SWANSON #28-23 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7240.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE COGCC <7240>	SWANSON #28-23 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **SWANSON #28-23 AWB** Offset Wellpath: **SWANSON #28-23 AWP**

MD Reference: Rig on SLOT#02 EX SWANSON #28-23 (1784'FNL & 472'FWL, SEC.28, PR, 7240) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	96.96	-7510.92	-89.26	7511.55	50.15	152.58	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	59.80	-4578.65	59.80	-4578.65
8.625in Casing Surface	0.00	366.00	366.00	-4.00	362.00	59.80	-4578.65	59.80	-4578.65
6.25in Open Hole	366.00	7223.00	6857.00	362.00	7219.00	59.80	-4578.65	59.80	-4578.65
4.5in Casing Production	0.00	7223.00	7223.00	-4.00	7219.00	59.80	-4578.65	59.80	-4578.65

WELLPATH COMPOSITION - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7239.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7239>	SWANSON #29-11 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #29-11 AWB Offset Wellpath: SWANSON #29-11 AWP

MD Reference: Rig on SLOT#08 EX SWANSON #29-11 (560'FNL & 660'FEL, SEC.29, PR, 7239') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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/extra		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio
25.00	25.00	0.00	0.00	0.00	25.00	-2601.81	-4967.11	-117.65	5607.28	50.17	113.

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7662.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7662>	EX. MCKAY LAND & CATTLE CO #1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. MCKAY LAND & CATTLE CO #1 AWB Offset Wellpath: EX. MCKAY LAND & CATTLE CO #1 AWP

MD Reference: Rig on SLOT301 EX. MCKAY LAND & CATTLE CO #1 (1980'FSL & 1980'FWL, PR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 1C-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°FNL SEC.22, PR, 7706°MD) Well: MILLS-FELT #1-22 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	4.02	25.02	1434.70	-995.26	-34.75	1746.11	50.13	35.47	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	874.60	-606.69	874.50	-606.83
8.625in Casing Surface	0.00	516.00	516.00	-4.00	512.00	874.60	-606.69	874.50	-606.83
7.875in Open Hole	516.00	7705.00	7189.00	512.00	7699.83	874.50	-606.83	866.98	-632.26
4.5in Casing Production	0.00	7705.00	7705.00	-4.00	7699.83	874.60	-606.69	866.98	-632.26

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

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°FNL 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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#09 EX SWANSON #29-14 (2165'FNL & 859'FEL, SEC.29, PR, 7220') Well: SWANSON #29-14 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	7.00	25.00	-1516.50	-7809.72	-100.99	7955.60	50.16	161.54	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	-923.71	-4760.95	-923.71	-4760.95
8.625in Casing Surface	0.00	322.00	322.00	-7.00	315.00	-923.71	-4760.95	-923.71	-4760.95
7.875in Open Hole	322.00	7250.00	6928.00	315.00	N/A	-923.71	-4760.95	N/A	N/A
3.5in Casing Production	0.00	7250.00	7250.00	-7.00	N/A	-923.71	-4760.95	N/A	N/A

WELLPATH COMPOSITION - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7220>	SWANSON #29-14 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #29-14 AWB Offset Wellpath: SWANSON #29-14 AWP

MD Reference: Rig on SLOT#09 EX SWANSON #29-14 (2165'FNL & 859'FEL, SEC.29, PR, 7220') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1302.22	-8921.52	-81.70	9016.06	50.19	182.97	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	794.82	-5438.41	794.82	-5438.41
8.625in Casing Surface	0.00	1504.00	1504.00	-12.00	1492.00	794.82	-5438.41	794.82	-5438.41
7.875in Open Hole	1504.00	7560.00	6056.00	1492.00	7548.00	794.82	-5438.41	794.82	-5438.41
5.5in Casing Production	0.00	7560.00	7560.00	-12.00	7548.00	794.82	-5438.41	794.82	-5438.41

WELLPATH COMPOSITION - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7591.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE <7591>	SWANSON #34-20 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: SWANSON #34-20 AWB Offset Wellpath: SWANSON #34-20 AWP

MD Reference: Rig on SLOT#02 EX SWANSON #34-20 (660'FSL & 1980'FEL, SEC.20, PR, 7591') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.57	1301.74	1.26	4335.94	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	19.85	-690.97	28.25
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1709.81	-793.29	19.85	-690.97	28.25
8.5in Open Hole	1750.00	16627.98	14877.98	1709.81	6904.00	-690.97	28.25	-239.53	-2871.68

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1622.05	-2199.43	-53.59	7338.16	100.89	73.42	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	727.83	-4918.59	738.29	-4900.24
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.83	-4918.59	738.28	-4900.35
8.5in Open Hole	1766.00	11901.00	10135.00	1747.11	6835.87	738.29	-4900.24	857.71	-3136.27

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1268.08	1756.41	125.83	2166.33	25.57	88.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. FEIT BROTHERS 2-27 AWB** Offset Wellpath: **EX. FEIT BROTHERS 2-27 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. FEIT BROTHERS 2-27 AWB** Offset Wellpath: **EX. FEIT BROTHERS 2-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6900.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100-6900>	EX. FEIT BROTHERS 2-27 AWB
6900.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250>	EX. FEIT BROTHERS 2-27 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. FEIT BROTHERS 2-27 AWB** Offset Wellpath: **EX. FEIT BROTHERS 2-27 AWP**

MD Reference: Rig on SLOT#02 EX. FEIT BROTHERS 2-27 (1980'FNL & 1980'FEL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2882.37	-8760.23	-108.21	9222.24	50.09	187.31	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	-1756.14	-5340.55	-1756.14	-5340.55
7in Casing Surface	0.00	442.00	442.00	-5.00	437.00	-1756.14	-5340.55	-1756.14	-5340.55
6.25in Open Hole	442.00	7173.00	6731.00	437.00	7168.00	-1756.14	-5340.55	-1756.14	-5340.55
2.875in Casing Production	0.00	7173.00	7173.00	-5.00	7168.00	-1756.14	-5340.55	-1756.14	-5340.55

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7220.00	Custom Drift Indicator (2.0 Maximum Inclination)	ASSUMED VERTICAL TO SURFACE-2DEG CONE <7220>	GOETZEL #29-10G6 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

MD Reference: Rig on SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.59	1321.78	1.26	4402.71	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	19.85	-719.09	27.67
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1721.00	-805.51	19.85	-719.09	27.67
8.5in Open Hole	1750.00	16743.37	14993.37	1721.00	7091.00	-719.09	27.67	-303.71	-2872.04

SURVEY PROGRAM - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 28C-29-L PWB
1750.00	16743.37	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 28C-29-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 28C-29-L PWB Offset Wellpath: TROUDT 28C-29-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2862.99	-6663.05	-113.25	7252.10	50.17	147.36	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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1458.59	-10074.21	-81.76	10179.25	50.22	206.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. GOETZEL 20-34 AWB** Offset Wellpath: **EX. GOETZEL 20-34 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. GOETZEL 20-34 AWB** Offset Wellpath: **EX. GOETZEL 20-34 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7270.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7270>	EX. GOETZEL 20-34 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. GOETZEL 20-34 AWB** Offset Wellpath: **EX. GOETZEL 20-34 AWP**

MD Reference: RIG on SLOT#09 EX. GOETZEL 20-34 (845'FSL & 2196'FWL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2872.10	-6638.84	-113.39	7233.47	50.17	146.99	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	3.200ft	Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11288.00	ISCWSA MWD, Rev. 4 (Standard)	HALLIBURTON MWD SURVEYS PROVIDED BY SRC <625'11288>	EX. FEUERSTEIN I28-63-1HN AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN I28-63-1HN AWB Offset Wellpath: EX. FEUERSTEIN I28-63-1HN AWP

MD Reference: Rig on SLOT#09 EX. FEUERSTEIN I28-63-1HN (1721'FSL & 311'FWL, PR/NBRR) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.61	1341.81	1.26	4469.48	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	19.85	-731.92	28.65
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1724.70	-817.72	19.85	-731.92	28.65
8.5in Open Hole	1750.00	16573.07	14823.07	1724.70	6975.00	-731.92	28.65	-376.44	-2872.41

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 2N-29C-L PWB
1750.00	16573.07	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 2N-29C-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 2N-29C-L PWB Offset Wellpath: TROUDT 2N-29C-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1519.15	149.03	2951.79	25.57	119.94	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: ARNBRECHT #2-27 AWB Offset Wellpath: ARNBRECHT #2-27 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	317.00	317.00	6.00	322.99	-1542.78	926.12	-1543.18	926.49
9.625in Casing Surface	0.00	317.00	317.00	6.00	322.99	-1542.78	926.12	-1543.18	926.49
7.875in Open Hole	317.00	7258.00	6941.00	322.99	7262.62	-1543.18	926.49	-1545.42	904.48
4.5in Casing Production	0.00	7258.00	7258.00	6.00	7262.62	-1542.78	926.12	-1545.42	904.48

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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760°FNL & 1654°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	9.48	23.48	1461.37	-2111.56	-55.31	2567.93	50.13	52.17	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	890.90	-1287.17	891.48	-1287.31
8.625in Casing Surface	0.00	353.00	353.00	-11.00	341.99	890.90	-1287.17	891.48	-1287.31
7.875in Open Hole	353.00	7249.00	6896.00	341.99	7237.43	891.48	-1287.31	890.40	-1306.87
3.5in Casing Production	0.00	7249.00	7249.00	-11.00	7237.43	890.90	-1287.17	890.40	-1306.87

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	ISWWSA 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

OFFSET WELLPATH REFERENCE - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP

MD Reference: Rig on SLOT#02 EX:BILLINGS #44-21 (700°FSL & 460°FEL SEC.21, PR, 7253°MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2706.25	-10079.00	-105.03	10435.99	50.19	211.99	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.63	1361.47	1.26	4535.03	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	19.85	-754.39	28.73
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1731.14	-829.72	19.85	-754.39	28.73
8.5in Open Hole	1750.00	16463.67	14713.67	1731.14	6904.00	-754.39	28.73	-449.73	-2872.86

SURVEY PROGRAM - Offset Wellbore: **TROUDT 2N-29B-L PWB** Offset Wellpath: **TROUDT 2N-29B-L PWP (REV-A.0)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 2N-29B-L PWB
1750.00	16463.67	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 2N-29B-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **TROUDT 2N-29B-L PWB** Offset Wellpath: **TROUDT 2N-29B-L PWP (REV-A.0)**

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.65	1381.51	1.26	4601.81	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	19.85	-774.81	29.03
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1737.14	-841.93	19.85	-774.81	29.03
8.5in Open Hole	1750.00	16599.95	14849.95	1737.14	N/A	-774.81	29.03	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	504.53	168.73	2582.48	25.57	104.93	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	307.58	-1543.75	307.77
9.625in Casing Surface	0.00	419.00	419.00	13.00	432.00	-1543.94	307.58	-1543.75	307.77
7.875in Open Hole	419.00	7388.00	6969.00	432.00	N/A	-1543.75	307.77	N/A	N/A
4.5in Casing Production	0.00	7388.00	7388.00	13.00	N/A	-1543.94	307.58	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

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.67	1401.54	1.26	4668.58	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	19.85	-799.72	28.83
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1742.48	-854.15	19.85	-799.72	28.83
8.5in Open Hole	1750.00	16464.83	14714.83	1742.48	N/A	-799.72	28.83	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TOUDT 21N-29C-L PWB
1750.00	16464.83	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TOUDT 21N-29C-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TOUDT 21N-29C-L PWB Offset Wellpath: TOUDT 21N-29C-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.69	1421.57	1.26	4735.35	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	19.85	-819.74	29.33
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1746.54	-866.36	19.85	-819.74	29.33
8.5in Open Hole	1750.00	16506.48	14756.48	1746.54	7077.00	-819.74	29.33	-669.60	-2874.46

SURVEY PROGRAM - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 21C-29-L PWB
1750.00	16506.48	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 21C-29-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 21C-29-L PWB Offset Wellpath: TROUDT 21C-29-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.72	1461.63	1.26	4868.90	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	19.85	-868.30	29.78
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1752.83	-890.79	19.85	-868.30	29.78
8.5in Open Hole	1750.00	16511.26	14761.26	1752.83	7075.00	-868.30	29.78	-815.73	-2874.85

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.71	1441.60	1.26	4802.13	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	19.85	-844.30	29.46
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1750.00	-878.58	19.85	-844.30	29.46
8.5in Open Hole	1750.00	16224.50	14474.50	1750.00	6803.00	-844.30	29.46	-742.66	-2874.49

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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.74	1481.67	1.26	4935.68	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	19.85	-893.52	29.56
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.30	-903.01	19.85	-893.52	29.56
8.5in Open Hole	1750.00	16323.45	14573.45	1754.30	N/A	-893.52	29.56	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.76	1501.70	1.26	5002.45	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	19.85	-918.46	29.85
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.61	-915.22	19.85	-918.46	29.85
8.5in Open Hole	1750.00	16503.40	14753.40	1754.61	7074.00	-918.46	29.85	-975.97	-2875.76

SURVEY PROGRAM - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 25C-29-L PWB
1750.00	16503.40	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 25C-29-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 25C-29-L PWB Offset Wellpath: TROUDT 25C-29-L PWP (REV-A.0)

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	1334.56	-6291.02	-78.02	6431.02	50.38	130.11	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	814.04	-3834.90	814.04	-3834.90

WELLPATH COMPOSITION - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	4775.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <4775' FROM CO WEBSITE>	BOYD #1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: BOYD #1 AWB Offset Wellpath: BOYD #1 AWP

MD Reference: Rig on SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	32.56	178.77	1521.37	1.26	5068.01	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	19.85	-941.18	29.33
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1753.91	-927.21	19.85	-941.18	29.33
8.5in Open Hole	1750.00	16399.36	14649.36	1753.91	N/A	-941.18	29.33	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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-993.47	-158.57	2719.57	25.57	110.50	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **BUXMAN, H #2-27 AWB** Offset Wellpath: **BUXMAN, H #2-27 AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **BUXMAN, H #2-27 AWB** Offset Wellpath: **BUXMAN, H #2-27 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	327.00	327.00	13.00	340.00	-1543.26	-605.65	-1542.92	-605.57
9.625in Casing Surface	0.00	327.00	327.00	13.00	340.00	-1543.26	-605.65	-1542.92	-605.57
7.875in Open Hole	327.00	7280.00	6953.00	340.00	7292.30	-1542.92	-605.57	-1530.49	-616.50
4.5in Casing Production	0.00	7280.00	7280.00	13.00	7292.30	-1543.26	-605.65	-1530.49	-616.50

WELLPATH COMPOSITION - Offset Wellbore: **BUXMAN, H #2-27 AWB** Offset Wellpath: **BUXMAN, H #2-27 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	VESSI GyroFlex v4	VES GYRO SURVEYS FROM SRC (ADJ FROM GRID TO TRUE, +.47)<100-7000>	BUXMAN, H #2-27 AWB
7000.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD (7280' FROM CO WEBSITE)	BUXMAN, H #2-27 AWB

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	11.13	24.13	1199.23	-3636.35	-71.75	3828.99	50.17	77.80	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	402.00	402.00	-12.00	390.00	731.22	-2216.66	731.14	-2216.96
9.625in Casing Surface	0.00	402.00	402.00	-12.00	390.00	731.22	-2216.66	731.14	-2216.96
7.875in Open Hole	402.00	7275.00	6873.00	390.00	7261.95	731.14	-2216.96	714.74	-2233.08
4.5in Casing Production	0.00	7275.00	7275.00	-12.00	7261.95	731.22	-2216.66	714.74	-2233.08

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: KOHLER J #1-21 AWB Offset Wellpath: KOHLER J #1-21 AWP

MD Reference: Rig on SLOT#03 EX:KOHLER J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318'MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	15.74	22.74	86.96	-3602.57	-88.62	3603.62	50.17	73.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. BUXMAN 28-12 AWB** Offset Wellpath: **EX. BUXMAN 28-12 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. BUXMAN 28-12 AWB** Offset Wellpath: **EX. BUXMAN 28-12 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES GYRO SURVEYS PROVIDED BY SRC <100'-7000'>	EX. BUXMAN 28-12 AWB
7000.00	7276.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7100'-7276'>	EX. BUXMAN 28-12 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. BUXMAN 28-12 AWB** Offset Wellpath: **EX. BUXMAN 28-12 AWP**

MD Reference: Rig on SLOT#07 EX. BUXMAN 28-12 (650'FNL & 1947'FEL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2077.93	-137.44	5610.06	16.60	358.70	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	-1379.50	-1266.76	-1379.44	-1266.18
9.625in Casing Surface	0.00	405.00	405.00	4719.00	5123.99	-1379.50	-1266.76	-1379.44	-1266.18
7.875in Open Hole	405.00	7264.00	6859.00	5123.99	11982.14	-1379.44	-1266.18	-1375.31	-1271.47
4.5in Casing Production	0.00	7264.00	7264.00	4719.00	11982.14	-1379.50	-1266.76	-1375.31	-1271.47

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	932.96	-7160.11	-82.58	7220.64	25.85	288.88	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	569.37	-4364.72	583.95	-4442.93

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: WARD #X-20-19HN PWB Offset Wellpath: WARD #X-20-19HN PWP

Facility: SEC.20-T06N-R66W Slot: SLOT#14 WARD #X-20-19HN Well: WARD #X-20-19HN Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	31.00	25.00	917.98	-7160.12	-82.69	7218.72	25.97	287.37	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	560.24	-4364.73	529.07	-4443.12

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. FEUERSTEIN I29-63HN AWB Offset Wellpath: EX. FEUERSTEIN I29-63HN AWP

Facility: SEC.28-T06N-R66W		Slot: SLOT#11 EX. FEUERSTEIN I29-63HN (1733'FSL & 268'FWL, PR/NBRR)		Well: EX. FEUERSTEIN I29-63HN		Threshold Value=1.00		↑ = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	6.00	25.00	-2860.79	-6690.04	-113.15	7276.04	50.17	147.85	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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	126.23	122.22	-1204.29	-9393.64	-97.31	9471.02	50.17	192.46	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	-732.69	-5726.96	-668.87	-5708.58
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1732.32	-732.69	-5726.96	-669.43	-5708.75
8.5in Open Hole	1771.00	15711.00	13940.00	1740.09	7074.25	-668.87	-5708.58	-355.96	-8261.50

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.29-T06N-R66W Slot: SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	175.73	171.70	-1182.04	-9392.17	-97.17	9467.39	50.17	192.37	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	-720.48	-5726.95	-651.20	-5710.73
9.625in Casing Surface	20.00	1759.00	1739.00	11.00	1722.54	-720.48	-5726.95	-647.46	-5710.03
8.5in Open Hole	1710.00	15570.00	13860.00	1675.16	6888.91	-651.20	-5710.73	-280.92	-8261.54

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30N-30B-M AWB 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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	160.92	156.90	-1364.02	-9393.79	-98.26	9493.22	50.18	192.87	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	-830.23	-5727.67	-808.82	-5716.31
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1748.99	-830.23	-5727.67	-808.82	-5716.31
8.5in Open Hole	1762.00	15808.00	14046.00	1748.99	7073.86	-808.82	-5716.31	-749.44	-8338.06

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	120.20	116.19	-1224.06	-9394.00	-97.42	9473.85	50.17	192.51	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	-744.91	-5727.10	-685.95	-5710.99
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1733.13	-744.91	-5727.10	-685.45	-5710.82
8.5in Open Hole	1755.00	15820.00	14065.00	1725.32	6991.10	-685.95	-5710.99	-420.03	-8337.76

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	146.94	142.94	-1264.46	-9393.78	-97.67	9479.23	50.17	192.61	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	-769.34	-5727.31	-732.34	-5713.08
9.625in Casing Surface	20.00	1764.00	1744.00	11.00	1745.31	-769.34	-5727.31	-732.34	-5713.08
8.5in Open Hole	1764.00	15868.00	14104.00	1745.31	7070.17	-732.34	-5713.08	-584.88	-8337.89

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	46.51	42.51	-1243.79	-9394.61	-97.54	9476.60	50.17	192.58	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	-757.12	-5727.11	-709.45	-5712.75
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1739.29	-757.12	-5727.11	-709.06	-5712.60
8.5in Open Hole	1755.00	15705.00	13950.00	1732.42	6769.16	-709.45	-5712.75	-509.44	-8338.03

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	168.53	164.51	-1282.02	-9393.60	-97.77	9481.71	50.17	192.65	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	-781.37	-5727.31	-755.85	-5716.15
9.625in Casing Surface	20.00	1720.00	1700.00	11.00	1705.03	-781.37	-5727.31	-755.85	-5716.15
8.5in Open Hole	1720.00	15601.00	13881.00	1705.03	6908.00	-755.85	-5716.15	-652.16	-8337.71

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30B-M AWB 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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2637.22	-7551.83	-109.25	7999.07	50.17	162.55	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 PROVIDED BY SRC <100'-7000'>	EX. FEUERSTEIN 1 AWB
7000.00	7192.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7192'>	EX. FEUERSTEIN 1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. FEUERSTEIN 1 AWB Offset Wellpath: EX. FEUERSTEIN 1 AWP

MD Reference: Rig on SLOT#25 FEUERSTEIN 1 (1980'FSL & 600'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	25.12	21.12	-1403.78	-9395.85	-98.50	9500.14	50.17	193.06	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	-854.66	-5727.87	-849.07	-5719.19
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1751.53	-854.66	-5727.87	-849.07	-5719.19
8.5in Open Hole	1762.00	15750.00	13988.00	1751.53	7072.48	-849.07	-5719.19	-888.39	-8337.41

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

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 1C-23-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2365.96	-10215.93	-103.04	10486.38	50.33	213.10	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	-1441.00	-6227.97	-1441.00	-6227.97
8.5in Open Hole	1700.00	16005.00	14305.00	1687.00	7128.00	-1441.00	-6227.97	-1477.86	-8587.57

SURVEY PROGRAM - Offset Wellbore: **GOETZEL 32C-30-M2 REV-A.0 PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		GOETZEL 32C-30-M2 PWB
1700.00	16005.21	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		GOETZEL 32C-30-M2 PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **GOETZEL 32C-30-M2 PWB** Offset Wellpath: **GOETZEL 32C-30-M2 REV-A.0 PWP**

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	185.18	181.15	-1442.13	-9393.57	-98.73	9504.91	50.19	193.08	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	-879.08	-5727.89	-883.77	-5714.46
9.625in Casing Surface	20.00	1760.00	1740.00	11.00	1749.31	-879.08	-5727.89	-883.77	-5714.46
8.5in Open Hole	1760.00	15789.00	14029.00	1749.31	7073.95	-883.77	-5714.46	-1047.70	-8351.95

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	185.65	181.63	-1423.59	-9393.40	-98.62	9501.95	50.19	193.02	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	-866.87	-5727.88	-868.65	-5716.39
9.625in Casing Surface	20.00	1761.00	1741.00	11.00	1750.92	-866.87	-5727.88	-868.65	-5716.39
8.5in Open Hole	1761.00	15647.00	13886.00	1750.92	6888.92	-868.65	-5716.39	-937.31	-8349.37

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-2386.00	-10216.31	-103.15	10491.23	50.33	213.20	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	-1453.21	-6228.16	-1453.21	-6228.16
8.5in Open Hole	1700.00	15834.00	14134.00	1687.00	6948.00	-1453.21	-6228.16	-1556.25	-8587.40

SURVEY PROGRAM - Offset Wellbore: **GOETZEL 32N-30B-M REV-A.0 PWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		GOETZEL 32N-30B-M PWB
1700.00	15834.81	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		GOETZEL 32N-30B-M PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **GOETZEL 32N-30B-M PWB** Offset Wellpath: **GOETZEL 32N-30B-M REV-A.0 PWP**

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	155.71	151.69	-1383.97	-9393.68	-98.38	9495.93	50.18	192.92	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	-842.44	-5727.68	-826.63	-5715.20
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1749.71	-842.44	-5727.68	-826.63	-5715.20
8.5in Open Hole	1762.00	15700.00	13938.00	1749.71	6994.50	-826.63	-5715.20	-815.91	-8356.02

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30C-M AWB 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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-23-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP

Facility: SEC.29-T06N-R66W Slot: SLOT#07 EX GOETZEL I #29-2 (472'FNL & 1994'FEL, SEC.29, PR, 7295') Well: GOETZEL I #29-2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	44.58	57.58	163.34	-8940.23	-88.95	8941.78	50.13	181.71	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	100.61	-5449.99	97.65	-5448.75
8.625in Casing Surface	0.00	645.00	645.00	-12.00	632.90	100.61	-5449.99	97.65	-5448.75
7.875in Open Hole	645.00	7276.00	6631.00	632.90	7262.09	97.65	-5448.75	92.37	-5470.01
4.5in Casing Production	0.00	7276.00	7276.00	-12.00	7262.09	100.61	-5449.99	92.37	-5470.01

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL I #29-2 AWB Offset Wellpath: GOETZEL I #29-2 AWP

MD Reference: Rig on SLOT#07 EX GOETZEL I #29-2 (472'FNL & 1994'FEL, SEC.29, PR, 7295') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	142.32	138.31	-1463.83	-9395.19	-98.86	9509.21	50.17	193.23	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	-891.30	-5728.04	-907.57	-5714.56
9.625in Casing Surface	20.00	1785.00	1765.00	11.00	1773.12	-891.30	-5728.04	-907.57	-5714.56
8.5in Open Hole	1785.00	15686.00	13901.00	1773.12	6962.55	-907.57	-5714.56	-1109.67	-8355.03

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: **GOETZEL 32N-30C-M AWB** 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 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	-1359.43	-8948.08	-98.64	9050.76	50.13	183.93	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	-827.72	-5454.90	-828.20	-5455.20
8.625in Casing Surface	0.00	432.00	432.00	-8.00	423.99	-827.72	-5454.90	-828.20	-5455.20
7.875in Open Hole	432.00	7185.00	6753.00	423.99	7176.40	-828.20	-5455.20	-836.60	-5472.00
4.5in Casing Production	0.00	7185.00	7185.00	-8.00	7176.40	-827.72	-5454.90	-836.60	-5472.00

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

MD Reference: Rig on SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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 s												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	Al Stz
25.00	25.00	0.00	0.00	8.67	22.67	-48.15	-10254.58	-90.27	10254.69	50.13	208.39	P2

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	-28.05	-6251.19	-28.05	-6251.39
8.625in Casing Surface	0.00	229.00	229.00	-11.00	218.00	-28.05	-6251.19	-28.05	-6251.39
7.875in Open Hole	229.00	7682.00	7453.00	218.00	7669.81	-28.05	-6251.39	-43.92	-6266.82
5.5in Casing Production	0.00	7682.00	7682.00	-11.00	7669.81	-28.05	-6251.19	-43.92	-6266.82

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

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

Clearance Report
TROUDT 1C-23-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 1C-23-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 1C-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	4.32	18.32	-1373.88	-10277.95	-97.61	10369.37	50.13	210.72	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	-836.21	-6265.61	-834.89	-6267.86
8.625in Casing Surface	0.00	522.00	522.00	-11.00	510.92	-836.21	-6265.61	-834.89	-6267.86
7.875in Open Hole	522.00	7264.00	6742.00	510.92	7249.75	-834.89	-6267.86	-863.99	-6300.67
4.5in Casing Production	0.00	7264.00	7264.00	-11.00	7249.75	-836.21	-6265.61	-863.99	-6300.67

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

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