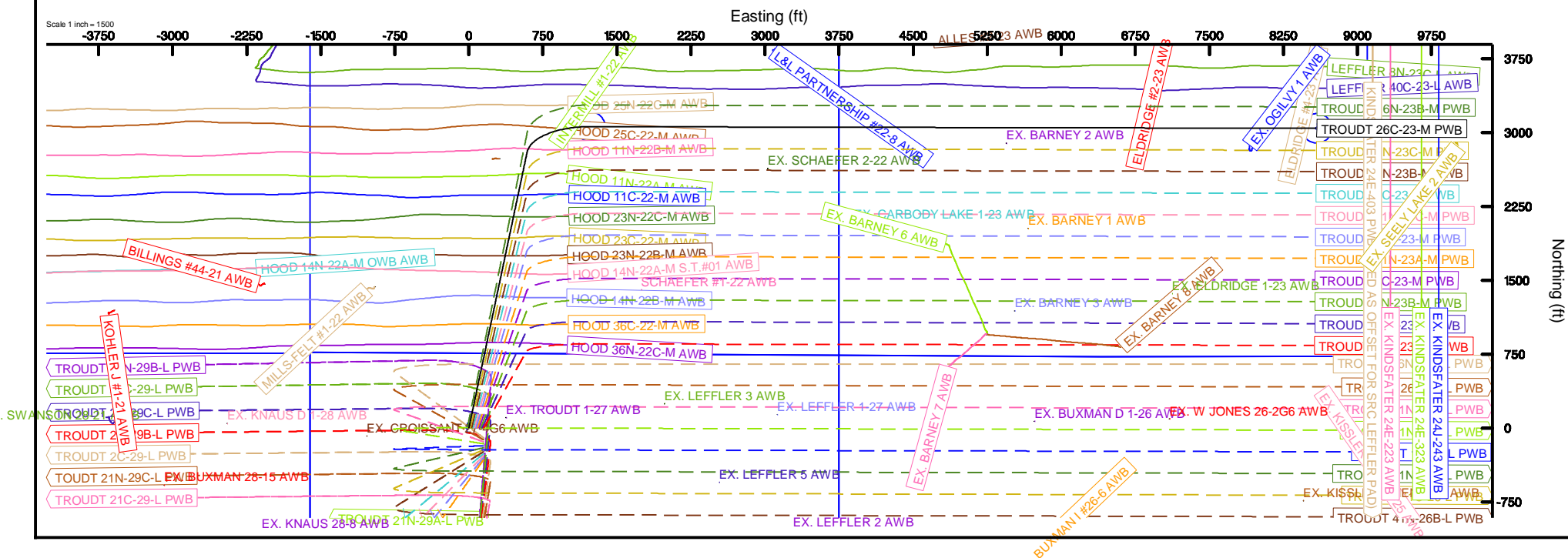
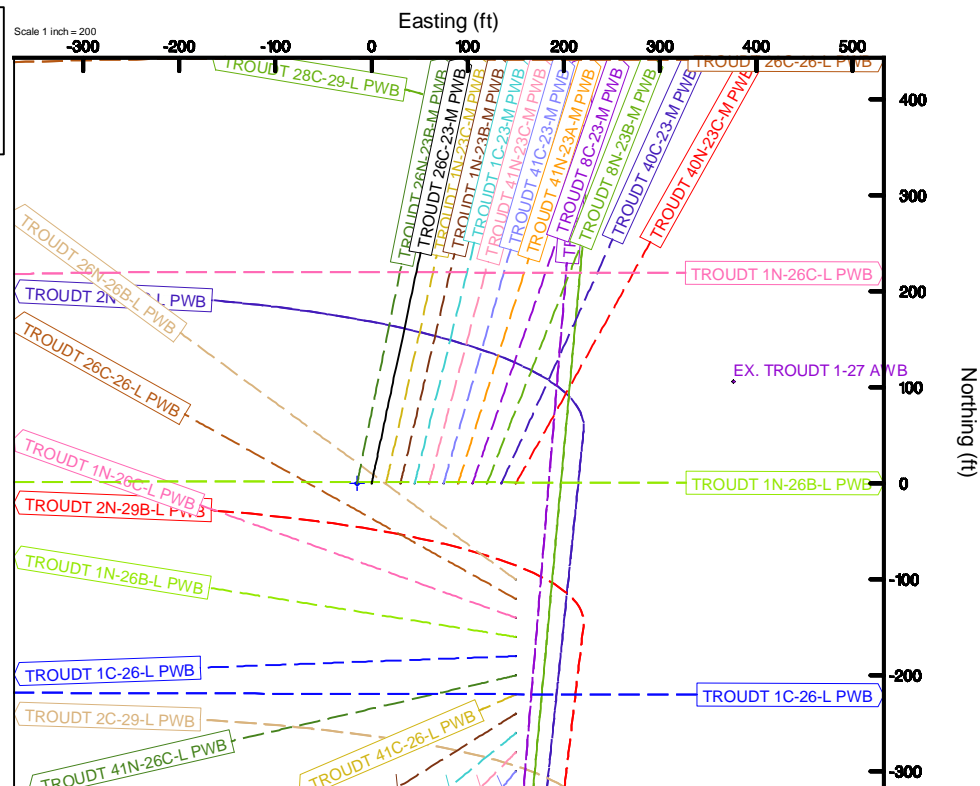


Location:	COLORADO	Slot:	SLOT#02 TROUDT 26C-23-M (761'FNL & 1609FWL, SEC.27)
Field:	WELD COUNTY (NAD83,TRUE NORTH)	Well:	TROUDT 26C-23-M
Facility:	SEC.27-T06N-R66W	Wellbore:	TROUDT 26C-23-M PWB



Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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 4:41:30 PM
Convergence at slot	0.48° East	Database/Source file	Denver DB/TROUDT_40N-23C-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	165.01	3203938.74	1412934.07	40°27'52.531"N	104°46'01.362"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#12 TROUDT 40N-23C-M (760'FNL & 1760'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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: TROUDT 40N-23C-M PWB Ref 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	1737.29	0.00	0.00	158.89	89.34
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1737.29	0.00	0.00	158.89	89.34
8.5in Open Hole	1750.00	14836.05	13086.05	1737.29	7022.00	158.89	89.34	839.36	8416.11

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40N-23C-M PWB
1750.00	14836.05	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40N-23C-M PWB

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 14836.05ft MD	C-C Cutoff: 1000.00 ft
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OFFSET WELL CLEARANCE SUMMARY (149 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.23-T06N-R66W	SLOT#05 EX. BARNEY 8 (216'FSL & 1500'FWL, PRD/NB-CD)	EX. BARNEY 8	EX. BARNEY 8 AWB	EX. BARNEY 8 AWP	12876.87	75.71	12876.87	12875.97	0.22	12875.97	FAIL
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)	432.77	97.59	14836.05	14836.05	0.27	14836.05	FAIL
SEC.27-T06N-R66W	SLOT#11 TROUDT 40C-23-M (760'FNL & 1745'FWL, SEC.27)	TROUDT 40C-23-M	TROUDT 40C-23-M PWB	TROUDT 40C-23-M PWP (REV-A.0)	395.57	13.86	12825.00	14836.05	0.38	14836.05	FAIL
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	7280.00	62.56	7280.00	7283.08	0.46	7283.08	FAIL
SEC.23-T06N-R66W	SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL)	EX. BARNEY 3	EX. BARNEY 3 AWB	EX. BARNEY 3 AWP	11801.24	293.23	11801.24	11808.20	0.54	11808.20	FAIL
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	120.22	14836.05	14836.05	0.57	14836.05	FAIL
SEC.27-T06N-R66W	SLOT#10 TROUDT 8N-23B-M (760'FNL & 1730'FWL, SEC.27)	TROUDT 8N-23B-M	TROUDT 8N-23B-M PWB	TROUDT 8N-23B-M PWP (REV-A.0)	25.00	30.05	12825.00	14836.05	0.62	14836.05	FAIL
SEC.20-T06N-R66W	SLOT#11 HOOD 36C-22-M (505'FSL & 1122'FEL SEC.20)	HOOD 36C-22-M	HOOD 36C-22-M AWB	HOOD 36C-22-M AWP	7319.35	255.92	7320.00	7319.35	0.71	7319.35	FAIL
SEC.23-T06N-R66W	SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL)	EX. ELDRIDGE 1-23	EX. ELDRIDGE 1-23 AWB	EX. ELDRIDGE 1-23 AWP	13380.00	476.32	13380.00	13397.19	0.77	13397.19	FAIL
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)	354.12	138.99	14836.05	14836.05	0.80	14836.05	FAIL
SEC.27-T06N-R66W	SLOT#09 TROUDT 8C-23-M (760'FNL & 1715'FWL, SEC.27)	TROUDT 8C-23-M	TROUDT 8C-23-M PWB	TROUDT 8C-23-M PWP (REV-A.0)	415.99	43.92	12825.00	14836.05	0.93	14836.05	FAIL
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	159.93	14836.05	14836.05	1.08	14836.05	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	7272.50	477.52	7272.94	7272.94	1.10	7272.94	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	11121.25	265.96	11121.25	11130.35	1.15	11130.35	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	1894.68	145.08	1894.68	2273.20	1.21	2273.20	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)	25.00	60.10	12825.00	14836.05	1.26	14836.05	PASS
SEC.26-T06N-R66W	SLOT#07 EX. W JONES 26-2G6 (659'FNL & 1991'FEL, SI/CODL)	EX. W JONES 26-2G6	EX. W JONES 26-2G6 AWB	EX. W JONES 26-2G6 AWP	13390.59	793.93	13390.59	13408.41	1.29	13408.41	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	179.97	14836.05	14836.05	1.37	14836.05	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	11990.63	828.45	11990.63	12025.00	1.50	12025.00	PASS
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)	395.05	74.24	12825.00	14836.05	1.52	14836.05	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	8243.59	613.43	8243.59	8270.07	1.58	8270.07	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	200.01	14836.05	14836.05	1.63	14836.05	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	9385.00	736.51	9385.00	9425.00	1.69	9425.00	PASS
SEC.27-T06N-R66W	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)	TROUDT 41N-23C-M	TROUDT 41N-23C-M PWB	TROUDT 41N-23C-M PWP (REV-A.0)	25.00	90.15	12825.00	14836.05	1.80	14836.05	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	220.05	14836.05	14836.05	1.92	14836.05	PASS
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	11945.31	1129.84	11945.31	12025.00	2.04	12025.00	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	7298.75	910.43	7298.75	7311.05	2.09	7311.05	PASS
SEC.27-T06N-R66W	SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)	TROUDT 1C-23-M	TROUDT 1C-23-M PWB	TROUDT 1C-23-M PWP (REV-A.0)	379.16	104.46	12825.00	14836.05	2.11	14836.05	PASS
SEC.22-T06N-R66W	SLOT#03 EX.SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD)	SCHAEFER #1-22	SCHAEFER #1-22 AWB	SCHAEFER #1-22 AWP	8021.31	545.80	8021.31	8068.28	2.16	8068.28	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	240.08	14836.05	14836.05	2.18	14836.05	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	7162.50	725.46	7162.50	7249.14	2.20	7249.14	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	14775.00	1581.20	14775.00	14836.05	2.33	14836.05	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)	14836.05	713.17	14836.05	14836.05	2.36	14836.05	PASS
SEC.27-T06N-R66W	SLOT#04 TROUDT 1N-23B-M (760'FNL & 1640'FWL, SEC.27)	TROUDT 1N-23B-M	TROUDT 1N-23B-M PWB	TROUDT 1N-23B-M PWP (REV-A.0)	25.00	119.93	12825.00	14836.05	2.40	14836.05	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	260.12	14836.05	14836.05	2.47	14836.05	PASS
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	7352.50	1104.36	7352.50	7378.34	2.54	7378.34	PASS
SEC.23-T06N-R66W	SLOT#06 EX. CARBODY LAKE 1-23 (1350'FSL & 150'FWL, PR/CODL)	EX. CARBODY LAKE 1-23	EX. CARBODY LAKE 1-23 AWB	EX. CARBODY LAKE 1-23 AWP	10183.13	1210.60	10183.13	10297.37	2.55	10297.37	PASS
SEC.27-T06N-R66W	SLOT#03 TROUDT 1N-23C-M (760'FNL & 1624'FWL, SEC.27)	TROUDT 1N-23C-M	TROUDT 1N-23C-M PWB	TROUDT 1N-23C-M PWP (REV-A.0)	368.76	134.34	12825.00	14836.05	2.69	14836.05	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	280.16	14836.05	14836.05	2.73	14836.05	PASS
SEC.20-T06N-R66W	SLOT#06 HOOD 23N-22C-M (665'FSL & 1122'FEL SEC.20)	HOOD 23N-22C-M	HOOD 23N-22C-M AWB	HOOD 23N-22C-M AWP	7340.00	1299.32	7340.00	7381.87	2.97	7381.87	PASS

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 14836.05ft 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#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	149.98	12825.00	14836.05	3.00	14836.05	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	299.83	14836.05	14836.05	3.02	14836.05	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	13150.00	2537.50	14525.00	14836.05	3.04	14836.05	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	14836.05	860.46	14836.05	14836.05	3.12	14836.05	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	11140.00	2722.53	14836.05	14836.05	3.28	14836.05	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)	361.02	164.47	12825.00	14836.05	3.29	14836.05	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	319.87	14836.05	14836.05	3.32	14836.05	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	8791.48	1417.63	8791.48	8946.28	3.43	8946.28	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	13475.00	2146.82	13475.00	13662.72	3.45	13662.72	PASS
SEC.20-T06N-R66W	SLOT#05 HOOD 11C-22-M (685'FSL & 1122'FEL SEC.20)	HOOD 11C-22-M	HOOD 11C-22-M AWB	HOOD 11C-22-M AWP	7362.50	1529.27	7362.50	7410.69	3.50	7410.69	PASS
SEC.23-T06N-R66W	SLOT#01 EX. BARNEY 2 (2180'FSL & 1700'FWL, PA/CODL)	EX. BARNEY 2	EX. BARNEY 2 AWB	EX. BARNEY 2 AWP	11730.00	1997.55	11730.00	11978.59	3.65	11978.59	PASS
SEC.20-T06N-R66W	SLOT#04 HOOD 11N-22A-M (705'FSL & 1122'FEL SEC.20)	HOOD 11N-22A-M	HOOD 11N-22A-M AWB	HOOD 11N-22A-M AWP	7315.00	1732.42	7315.00	7398.24	3.96	7398.24	PASS
SEC.22-T06N-R66W	SLOT#08 EX. SCHAEFER 2-22 (1980'FSL & 660'FEL, PR/NB-CD)	EX. SCHAEFER 2-22	EX. SCHAEFER 2-22 AWB	EX. SCHAEFER 2-22 AWP	9312.50	1765.32	9312.50	9576.69	4.02	9576.69	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	11114.06	979.13	11114.06	11236.40	4.14	11236.40	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	10650.00	2127.91	10650.00	10925.00	4.20	10925.00	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	9535.00	1913.98	9535.00	9796.20	4.28	9796.20	PASS
SEC.20-T06N-R66W	SLOT#03 HOOD 11N-22B-M (725'FSL & 1122'FEL SEC.20)	HOOD 11N-22B-M	HOOD 11N-22B-M AWB	HOOD 11N-22B-M AWP	7340.00	1975.22	7340.00	7451.51	4.50	7451.51	PASS
SEC.24-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	6725.00	2750.39	12625.00	13025.00	4.62	13025.00	PASS
SEC.26-T06N-R66W	SLOT#06 EX. WEBER 1-26 (2250'FSL & 930'FEL, PR/CODL)	EX. WEBER 1-26	WX. WEBER 1-26 AWB	WX. WEBER 1-26 AWP	14562.50	3141.23	14562.50	14836.05	4.65	14836.05	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	14836.05	1148.51	14836.05	14836.05	4.69	14836.05	PASS
SEC.24-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	10861.09	2977.66	10861.09	13100.20	4.99	13100.20	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	7375.00	2189.58	7375.00	7489.77	4.99	7489.77	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	14112.50	2007.77	14112.50	14425.00	5.37	14425.00	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	7365.00	2429.99	7365.00	7583.67	5.53	7583.67	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	1184.80	300.00	6649.23	5.56	6649.23	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	14836.05	1317.47	14836.05	14836.05	5.66	14836.05	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	1238.55	300.00	7004.07	6.01	7004.07	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	14836.05	2302.89	14836.05	14836.05	6.53	14836.05	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	13712.50	3589.11	13712.50	14347.16	6.98	14347.16	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)	6396.56	427.64	6396.56	6457.67	7.28	6457.67	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	14836.05	2779.80	14836.05	14836.05	7.34	14836.05	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	14785.00	3030.79	14785.00	14836.05	7.60	14836.05	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	14836.05	2484.81	14836.05	14836.05	7.75	14836.05	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	1685.80	300.00	6769.49	7.79	6769.49	PASS
SEC.23-T06N-R66W	SLOT#03EX: LOWELL ADAMS #1-23 (1980'FNL & 660'FWL SEC.23, PA, 7280'MD)	LOWELL ADAMS #1-23	LOWELL ADAMS #1-23 AWB	LOWELL ADAMS #1-23 AWP	10712.50	3064.76	10712.50	11478.08	7.97	11478.08	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	11941.25	2217.47	11941.25	12346.57	8.05	12346.57	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	13230.00	3123.86	13230.00	13997.72	9.07	13997.72	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	2596.53	300.00	6785.72	9.41	6785.72	PASS
SEC.28-T06N-R66W	SLOT#05 EX. KNAUS 28-8 (1981'FNL & 662'FEL, PR/NB-CD)	EX. KNAUS 28-8	EX. KNAUS 28-8 AWB	EX. KNAUS 28-8 AWP	25.00	2481.15	300.00	6802.90	9.82	6802.90	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	14836.05	3757.07	14836.05	14836.05	9.82	14836.05	PASS

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 14836.05ft 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.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	14836.05	3770.44	14836.05	14836.05	10.06	14836.05	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)	6551.82	601.80	6551.82	6614.27	10.22	6614.27	PASS
SEC.27-T06N-R66W	SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280MD,PA)	ARNBRECHT #1-27	ARNBRECHT #1-27 AWB	ARNBRECHT #1-27 AWP	9275.00	3431.91	9275.00	10371.83	10.54	10371.83	PASS
SEC.23-T06N-R66W	SLOT#05EX: ALLES #2-23 (1932'FNL & 2160'FWL SEC.23,PR,7300MD)	ALLES #2-23	ALLES #2-23 AWB	ALLES #2-23 AWP	12187.50	3132.68	12187.50	12944.38	10.57	12944.38	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	3289.08	300.00	6843.50	11.75	6843.50	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	10725.00	3168.88	10725.00	11725.00	13.50	11725.00	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)	6443.44	782.45	6443.44	6579.36	13.62	6579.36	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	11637.50	3834.57	11637.50	12984.47	13.69	12984.47	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	3937.95	300.00	6902.63	13.86	6902.63	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	4605.06	300.00	6972.27	16.12	6972.27	PASS
SEC.22-T06N-R66W	SLOT#07EX:L&L PARTNERSHIP #22-8 (1987'FNL & 664'FEL SEC.22,PR,7350')	L&L PARTNERSHIP #22-8	L&L PARTNERSHIP #22-8 AWB	L&L PARTNERSHIP #22-8 AWP	9381.41	2955.83	9381.41	10642.73	16.38	10642.73	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	5070.32	300.00	6948.55	16.50	6948.55	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	5060.01	300.00	6958.41	16.96	6958.41	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)	6340.00	956.32	6340.00	6579.15	17.01	7525.00	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	6531.10	300.00	7025.00	18.02	7025.00	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	6528.25	300.00	7025.00	18.34	7025.00	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	6673.28	300.00	7025.00	18.63	7025.00	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	2081.97	8025.00	9025.00	18.85	9025.00	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	5700.66	300.00	7025.00	19.16	7025.00	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	7616.72	300.00	7058.09	20.64	7058.09	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)	6450.00	1167.81	6450.00	6737.71	20.80	6737.71	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	8058.88	300.00	7079.50	22.10	7079.50	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	6583.94	2888.57	6583.94	6489.79	22.33	6489.79	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	7987.50	3186.06	7987.50	9962.96	23.40	9962.96	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	9120.15	300.00	7113.54	24.03	7113.54	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)	6275.00	1343.35	6275.00	6698.64	24.49	7489.77	PASS
SEC.28-T06N-R66W	SLOT#10 EX. FEUERSTEIN I28-64-1HC (1727'FSL & 290'FWL, PR/CODL)	EX. FEUERSTEIN I28-64-1HC	EX. FEUERSTEIN I28-64-1HC AWB	EX. FEUERSTEIN I28-64-1HC AWP	6515.00	4583.87	6515.00	6647.28	24.86	6647.28	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	9322.21	300.00	7125.00	25.42	7125.00	PASS
SEC.22-T06N-R66W	SLOT#01 EX:MILLS-FELT #1-22 (660'FSL & 660'FWL SEC.22, PR, 7706MD)	MILLS-FELT #1-22	MILLS-FELT #1-22 AWB	MILLS-FELT #1-22 AWP	4225.00	1669.83	4225.00	6746.15	25.66	6746.15	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	6310.00	5125.57	6310.00	6625.00	26.03	6625.00	PASS
SEC.22-T06N-R66W	SLOT#02 EX:RUTT-ADAMS HEIRS #1-22 (1980'FSL&1980'FWL,SEC.22,PR,7279MD)	RUTT-ADAMS HEIRS #1-22	RUTT-ADAMS HEIRS #1-22 AWB	RUTT-ADAMS HEIRS #1-22 AWP	6812.50	1973.16	6812.50	7862.21	26.31	7862.21	PASS
SEC.27-T06N-R66W	SLOT#05 ARNBRECHT #2-27 (1981'FSL & 1987'FEL SEC.27,7258MD,PR)	ARNBRECHT #2-27	ARNBRECHT #2-27 AWB	ARNBRECHT #2-27 AWP	25.00	2899.06	7725.00	9970.42	26.69	9970.42	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)	661.78	1401.83	661.78	7576.33	27.54	7576.33	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	10283.36	300.00	7149.36	30.85	7149.36	PASS
SEC.27-T06N-R66W	SLOT#32 TROUDT 21N-29A-L (2202'FNL & 1689'FWL, SEC.27)	TROUDT 21N-29A-L	TROUDT 21N-29A-L PWB	TROUDT 21N-29A-L PWP (REV-A.0)	575.00	1437.18	575.00	7576.48	31.17	8325.00	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)	457.50	1456.13	457.50	7576.67	32.11	8025.00	PASS
SEC.29-T06N-R66W	SLOT#12 EX. GOETZEL 2-29 (1988'FSL & 2185'FWL, SI/NB-CD)	EX. GOETZEL 2-29	EX. GOETZEL 2-29 AWB	EX. GOETZEL 2-29 AWP	25.00	10537.61	300.00	7153.30	32.56	7153.30	PASS
SEC.27-T06N-R66W	SLOT#03 BROWN, H.I. #2-27 (1993'FSL & 2163'FWL SEC.27,7300MD,PR)	BROWN, H.I. #2-27	BROWN, H.I. #2-27 AWB	BROWN, H.I. #2-27 AWP	302.81	2563.65	302.81	9625.00	33.88	9625.00	PASS
SEC.21-T06N-R66W	SLOT#02 EX:BILLINGS #44-21 (700'FSL & 460'FEL SEC.21, PR, 7253MD)	BILLINGS #44-21	BILLINGS #44-21 AWB	BILLINGS #44-21 AWP	25.00	2655.09	1325.00	6825.00	34.60	6825.00	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)	375.00	1483.00	375.00	7576.81	34.95	9125.00	PASS

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CALCULATION RANGE & CUTOFF

From: 25.00ft MD	To: 14836.05ft 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	1503.10	125.00	8641.76	36.90	8641.76	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	1522.75	300.00	8900.99	38.03	8900.99	PASS
SEC.21-T06N-R66W	SLOT#01 EX:BOYD #1 (660'FSL & 660'FWL SEC.21, PA, 4775'MD)	BOYD #1	BOYD #1 AWB	BOYD #1 AWP	25.00	6533.95	300.00	5098.54	42.62	5098.54	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	312.50	2758.84	312.50	9325.00	48.40	9325.00	PASS
SEC.28-T06N-R66W	SLOT#07 EX. BUXMAN 28-12 (650'FNL & 1947'FEL, AB/NB-CD)	EX. BUXMAN 28-12	EX. BUXMAN 28-12 AWB	EX. BUXMAN 28-12 AWP	25.00	3708.77	25.00	7574.77	59.66	7574.77	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	4225.00	3714.31	4225.00	7575.83	60.16	9125.00	PASS
SEC.21-T06N-R66W	SLOT#03 EX:KOHLE J #1-21 (460'FSL & 1978'FEL SEC.21, PR, 7318'MD)	KOHLER J #1-21	KOHLER J #1-21 AWB	KOHLER J #1-21 AWP	25.00	3929.02	25.00	7574.41	60.75	7574.41	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	3912.50	7091.24	3912.50	7574.48	90.67	7574.48	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	3587.50	7060.18	3587.50	7574.52	90.72	7574.52	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	7372.87	300.00	7575.30	99.95	11125.00	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	1617.88	9523.02	5225.00	7574.63	114.46	7574.63	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	262.50	9595.60	5625.00	7574.79	115.45	7574.79	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	4912.50	9526.81	5425.00	7574.59	115.55	7574.59	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	2299.92	9552.79	5525.00	7574.66	117.43	7574.66	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	325.00	8096.06	325.00	7575.15	117.79	7575.15	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	375.00	9580.07	5225.00	7574.73	118.39	7574.73	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	2735.00	9570.40	5325.00	7574.72	118.42	7574.72	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	271.88	9583.93	4725.00	7574.76	119.97	7574.76	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	5350.00	9878.40	5350.00	7574.99	120.03	7574.99	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	350.00	9603.69	350.00	7574.92	120.14	7574.92	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	300.00	9603.55	300.00	7574.86	120.63	7574.86	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	5150.00	9912.14	5150.00	7575.02	120.91	7575.02	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	325.00	9601.58	3025.00	7574.90	121.18	7574.90	PASS
SEC.29-T06N-R66W	SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29)	GOETZEL 31N-30C-M	GOETZEL 31N-30C-M AWB	GOETZEL 31N-30C-M AWP	325.00	9598.16	2725.00	7574.81	122.30	7574.81	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	350.00	9608.90	350.00	7574.94	124.68	7574.94	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	325.00	9044.95	325.25	7574.64	126.79	7574.64	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	9154.76	25.00	7574.88	129.23	7574.88	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	10359.87	25.00	7574.66	141.52	7574.66	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	10473.63	25.00	7574.85	147.70	7574.85	PASS

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	947.02	5096.06	79.47	5183.30	50.17	105.32	PASS			
125.00†	125.00	0.00	0.00	100.00	125.00	947.02	5096.06	79.47	5183.30	50.20	105.26	PASS			
225.00†	225.00	0.00	0.00	200.00	225.00	947.02	5096.06	79.47	5183.30	50.23	105.19	PASS			
300.00	300.00	0.00	0.00	275.00	300.00	947.02	5096.06	79.47	5183.30	50.26	105.14	PASS			
325.00†	325.00	0.10	0.05	300.00	325.00	947.02	5096.06	50.13	5183.23	50.26	105.11	PASS			
425.00†	424.96	2.38	1.34	399.96	424.96	947.02	5096.06	50.17	5181.56	50.31	104.98	PASS			
525.00†	524.77	7.70	4.33	486.04	511.04	947.06	5096.11	50.28	5177.72	50.39	104.73	PASS			
625.00†	624.30	16.05	9.03	576.94	601.94	947.33	5096.45	50.44	5172.00	50.50	104.39	PASS			
723.07	721.54	27.18	15.28	659.50	684.50	947.64	5096.81	50.65	5164.35	50.62	103.99	PASS			
725.00†	723.44	27.43	15.42	660.92	685.92	947.65	5096.82	50.65	5164.18	50.62	103.98	PASS			
825.00†	822.35	40.25	22.63	758.52	783.52	947.95	5097.64	50.77	5155.69	50.74	103.55	PASS			
925.00†	921.27	53.08	29.85	865.09	890.08	948.10	5098.26	50.90	5146.93	50.89	103.06	PASS			
1025.00†	1020.18	65.91	37.06	975.65	1000.64	948.43	5098.81	51.04	5138.15	51.07	102.52	PASS			
1125.00†	1119.09	78.73	44.27	1087.29	1112.28	948.48	5099.08	51.19	5129.10	51.27	101.93	PASS			
1225.00†	1218.00	91.56	51.48	1181.06	1206.05	948.31	5099.25	51.31	5119.98	51.47	101.35	PASS			
1325.00†	1316.91	104.38	58.69	1217.37	1242.36	948.18	5099.59	51.36	5111.57	51.61	100.91	PASS			
1425.00†	1415.82	117.21	65.91	1253.72	1278.70	948.02	5100.38	51.41	5104.41	51.75	100.49	PASS			
1525.00†	1514.73	130.03	73.12	1291.87	1316.83	947.81	5101.69	51.46	5098.48	51.89	100.09	PASS			
1625.00†	1613.65	142.86	80.33	1331.84	1356.76	947.60	5103.53	51.52	5093.74	52.05	99.69	PASS			
1725.00†	1712.56	155.69	87.54	1371.84	1396.68	947.42	5105.84	51.58	5090.18	52.21	99.31	PASS			
1825.00†	1811.47	168.51	94.75	1408.53	1433.29	947.26	5108.38	51.63	5087.82	52.04	99.10	PASS			
1925.00†	1910.38	181.34	101.97	1443.18	1467.82	947.07	5111.24	51.68	5086.75	52.07	99.03	PASS			
2025.00†	2009.29	194.16	109.18	1479.09	1503.56	946.83	5114.67	51.74	5086.96	52.10	98.97	PASS			
2125.00†	2108.20	206.99	116.39	1516.31	1540.56	946.54	5118.68	51.80	5088.42	52.15	98.91	PASS			
2225.00†	2207.12	219.81	123.60	1553.48	1577.47	946.22	5123.14	51.86	5091.12	52.20	98.87	PASS			
2325.00†	2306.03	232.64	130.81	1591.47	1615.11	945.83	5128.17	51.92	5095.06	52.26	98.83	PASS			
2425.00†	2404.94	245.47	138.02	1629.40	1652.64	945.36	5133.66	51.98	5100.21	52.32	98.80	PASS			
2525.00†	2503.85	258.29	145.24	1667.86	1690.63	944.78	5139.69	52.05	5106.58	52.40	98.78	PASS			
2625.00†	2602.76	271.12	152.45	1706.97	1729.17	944.10	5146.30	52.12	5114.15	52.48	98.77	PASS			
2725.00†	2701.67	283.94	159.66	1745.73	1767.28	943.33	5153.29	52.19	5122.92	52.57	98.76	PASS			
2825.00†	2800.58	296.77	166.87	1775.41	1796.40	942.73	5159.03	52.24	5132.96	52.64	98.83	PASS			
2925.00†	2899.50	309.59	174.08	1805.00	1825.34	942.15	5165.13	52.30	5144.36	52.71	98.92	PASS			
3025.00†	2998.41	322.42	181.30	1834.48	1854.10	941.59	5171.59	52.35	5157.11	52.78	99.03	PASS			
3125.00†	3097.32	335.25	188.51	1867.82	1886.52	940.96	5179.32	52.41	5171.18	52.88	99.11	PASS			
3225.00†	3196.23	348.07	195.72	1901.73	1919.40	940.28	5187.59	52.48	5186.50	52.98	99.21	PASS			
3325.00†	3295.14	360.90	202.93	1935.56	1952.10	939.54	5196.26	52.54	5203.07	53.08	99.33	PASS			
3425.00†	3394.05	373.72	210.14	1970.38	1985.63	938.73	5205.59	52.61	5220.86	53.20	99.44	PASS			
3525.00†	3492.97	386.55	217.36	2005.01	2018.87	937.86	5215.27	52.68	5239.86	53.32	99.57	PASS			
3625.00†	3591.88	399.38	224.57	2041.19	2053.47	936.90	5225.81	52.75	5260.05	53.46	99.70	PASS			
3725.00†	3690.79	412.20	231.78	2080.31	2090.75	935.95	5237.61	52.83	5281.36	53.62	99.81	PASS			
3825.00†	3789.70	425.03	238.99	2119.26	2127.76	935.13	5249.74	52.91	5303.76	53.78	99.93	PASS			
3925.00†	3888.61	437.85	246.20	2157.99	2164.42	934.24	5262.21	52.98	5327.25	53.95	100.05	PASS			
4025.00†	3987.52	450.68	253.42	2196.40	2200.61	933.06	5274.99	53.06	5351.81	54.12	100.19	PASS			
4125.00†	4086.43	463.50	260.63	2252.76	2253.52	930.95	5294.31	53.18	5377.37	54.40	100.14	PASS			
4225.00†	4185.35	476.33	267.84	2326.41	2322.55	928.35	5319.85	53.34	5403.43	54.79	99.91	PASS			

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	2399.97	2391.41	925.96	5345.60	53.49	5429.93	55.18	99.67	PASS	
4425.00†	4383.17	501.98	282.26	2504.17	2488.91	922.58	5382.19	53.70	5456.59	55.77	99.09	PASS	
4525.00†	4482.08	514.81	289.47	2575.29	2555.44	920.22	5407.26	53.85	5483.43	56.19	98.83	PASS	
4625.00†	4580.99	527.63	296.69	2701.60	2673.62	916.20	5451.64	54.10	5510.22	56.95	97.96	PASS	
4725.00†	4679.90	540.46	303.90	2755.53	2724.07	914.59	5470.64	54.21	5537.19	57.29	97.84	PASS	
4825.00†	4778.82	553.28	311.11	2808.10	2773.11	913.17	5489.51	54.31	5564.91	57.64	97.74	PASS	
4925.00†	4877.73	566.11	318.32	2859.31	2820.74	911.87	5508.26	54.41	5593.41	57.98	97.65	PASS	
5025.00†	4976.64	578.94	325.53	3092.14	3037.91	906.93	5592.05	54.83	5621.60	59.50	95.61	PASS	
5125.00†	5075.55	591.76	332.75	3234.25	3171.32	903.21	5640.86	55.09	5647.94	60.46	94.50	PASS	
5225.00†	5174.46	604.59	339.96	3356.17	3286.06	899.36	5681.90	55.32	5673.56	61.32	93.60	PASS	
5325.00†	5273.37	617.41	347.17	3473.99	3397.12	895.20	5721.03	55.54	5698.76	62.16	92.72	PASS	
5425.00†	5372.28	630.24	354.38	3575.01	3492.33	891.09	5754.55	55.74	5723.99	62.91	92.01	PASS	
5525.00†	5471.20	643.07	361.59	3675.87	3587.52	887.11	5787.64	55.93	5748.89	63.67	91.29	PASS	
5625.00†	5570.11	655.89	368.81	3737.29	3645.44	885.11	5807.99	56.04	5774.22	64.18	90.96	PASS	
5725.00†	5669.02	668.72	376.02	3779.25	3684.89	883.81	5822.21	56.11	5800.35	64.57	90.81	PASS	
5825.00†	5767.93	681.54	383.23	3820.98	3723.99	882.46	5836.71	56.19	5827.39	64.96	90.69	PASS	
5925.00†	5866.84	694.37	390.44	3862.46	3762.73	881.07	5851.48	56.26	5855.35	65.34	90.58	PASS	
6025.00†	5965.75	707.19	397.65	3903.69	3801.10	879.64	5866.51	56.34	5884.21	65.73	90.49	PASS	
6125.00†	6064.66	720.02	404.87	3955.33	3848.99	877.81	5885.75	56.43	5913.90	66.20	90.29	PASS	
6225.00†	6163.58	732.85	412.08	4012.02	3901.42	875.86	5907.20	56.53	5944.26	66.71	90.06	PASS	
6325.00†	6262.49	745.67	419.29	4218.71	4092.81	869.24	5984.96	56.89	5974.90	68.35	88.33	PASS	
6425.00†	6361.40	758.50	426.50	4313.40	4181.01	866.80	6019.33	57.05	6003.79	69.16	87.70	PASS	
6525.00†	6460.31	771.32	433.71	4629.46	6429.13	827.03	6452.16	60.35	6018.79	81.74	74.27	PASS	
6533.75	6468.97	772.45	434.34	6637.62	6437.30	827.06	6452.20	60.36	6018.19	81.80	74.20	PASS	
6625.00†	6558.44	784.11	447.41	6722.07	6521.75	827.47	6452.68	31.06	6005.54	82.67	73.26	PASS	
6725.00†	6653.23	796.63	476.37	6807.95	6607.62	827.91	6453.26	19.68	5977.15	84.17	71.61	PASS	
6825.00†	6742.33	808.56	519.92	6898.45	6698.12	828.14	6453.98	14.67	5934.26	85.65	69.85	PASS	
6925.00†	6823.57	819.61	577.00	6978.86	6778.53	828.26	6454.56	12.04	5877.74	86.93	68.16	PASS	
7025.00†	6894.93	829.52	646.20	7046.43	6846.09	828.33	6455.11	10.57	5809.12	88.00	66.54	PASS	
7125.00†	6954.67	838.03	725.81	7114.12	6913.78	828.54	6455.64	9.83	5729.98	88.87	64.98	PASS	
7225.00†	7001.30	844.93	813.89	7160.06	6959.72	828.77	6455.97	9.69	5642.26	89.50	63.54	PASS	
7325.00†	7033.68	850.07	908.25	7190.99	6990.64	828.89	6456.20	10.41	5548.16	89.90	62.19	PASS	
7425.00†	7051.02	853.30	1006.58	7207.93	7007.58	828.96	6456.34	14.57	5449.98	90.12	60.95	PASS	
7489.77	7054.00	854.34	1071.25	7211.21	7010.86	828.97	6456.36	75.70	5385.35	90.17	60.19	PASS	
7525.00†	7053.85	854.68	1106.47	7211.33	7010.98	828.97	6456.36	75.79	5350.12	90.18	59.79	PASS	
7625.00†	7053.41	855.64	1206.47	7211.67	7011.33	828.97	6456.37	76.03	5250.13	90.20	58.66	PASS	
7725.00†	7052.97	856.60	1306.48	7212.02	7011.68	828.97	6456.37	76.27	5150.15	90.23	57.52	PASS	
7825.00†	7052.54	857.56	1406.46	7212.37	7012.03	828.97	6456.37	76.52	5050.16	90.26	56.38	PASS	
7925.00†	7052.10	858.52	1506.45	7212.72	7012.37	828.97	6456.37	76.76	4950.17	90.30	55.25	PASS	
8025.00†	7051.66	859.48	1606.45	7213.07	7012.72	828.97	6456.38	77.01	4850.18	90.33	54.11	PASS	
8125.00†	7051.23	860.44	1706.44	7213.42	7013.08	828.97	6456.38	77.26	4750.20	90.37	52.97	PASS	
8225.00†	7050.79	861.40	1806.43	7213.77	7013.43	828.97	6456.38	77.50	4650.21	90.41	51.83	PASS	
8325.00†	7050.36	862.36	1906.43	7214.12	7013.78	828.98	6456.39	77.75	4550.23	90.45	50.70	PASS	
8425.00†	7049.92	863.32	2006.42	7214.48	7014.13	828.98	6456.39	78.01	4450.24	90.49	49.56	PASS	
8525.00†	7049.48	864.28	2106.42	7214.83	7014.49	828.98	6456.39	78.26	4350.26	90.54	48.42	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#05 EX. BARNEY 8 (216°FSL & 1500°FWL, PRD/NB-CD) Well: EX. BARNEY 8 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	7215.18	7014.84	828.98	6456.39	78.51	4250.27	90.58	47.28	PASS	
8725.00†	7048.61	866.20	2306.41	7215.54	7015.20	828.98	6456.40	78.76	4150.29	90.63	46.15	PASS	
8825.00†	7048.17	867.16	2406.40	7215.90	7015.55	828.98	6456.40	79.02	4050.31	90.68	45.01	PASS	
8925.00†	7047.74	868.12	2506.40	7216.25	7015.91	828.98	6456.40	79.27	3950.33	90.74	43.87	PASS	
9025.00†	7047.30	869.08	2606.39	7216.61	7016.27	828.98	6456.41	79.53	3850.35	90.80	42.73	PASS	
9125.00†	7046.86	870.04	2706.38	7216.97	7016.63	828.99	6456.41	79.79	3750.37	90.86	41.59	PASS	
9225.00†	7046.43	871.00	2806.38	7217.33	7016.99	828.99	6456.41	80.05	3650.39	90.92	40.46	PASS	
9325.00†	7045.99	871.96	2906.37	7217.69	7017.35	828.99	6456.41	80.31	3550.42	90.99	39.32	PASS	
9425.00†	7045.56	872.92	3006.37	7218.05	7017.71	828.99	6456.42	80.57	3450.44	91.06	38.18	PASS	
9525.00†	7045.12	873.88	3106.36	7218.41	7018.07	828.99	6456.42	80.83	3350.47	91.13	37.05	PASS	
9625.00†	7044.68	874.84	3206.36	7218.78	7018.43	828.99	6456.42	81.10	3250.50	91.21	35.91	PASS	
9725.00†	7044.25	875.80	3306.35	7219.14	7018.80	828.99	6456.43	81.36	3150.53	91.29	34.77	PASS	
9825.00†	7043.81	876.76	3406.35	7219.51	7019.17	828.99	6456.43	81.63	3050.56	91.37	33.64	PASS	
9925.00†	7043.37	877.72	3506.34	7219.88	7019.53	828.99	6456.43	81.90	2950.59	91.46	32.50	PASS	
10025.00†	7042.94	878.68	3606.33	7220.25	7019.90	829.00	6456.43	82.17	2850.63	91.56	31.37	PASS	
10125.00†	7042.50	879.64	3706.33	7220.62	7020.27	829.00	6456.44	82.44	2750.66	91.66	30.23	PASS	
10225.00†	7042.07	880.60	3806.32	7220.99	7020.65	829.00	6456.44	82.71	2650.71	91.77	29.10	PASS	
10325.00†	7041.63	881.56	3906.32	7221.36	7021.02	829.00	6456.44	82.98	2550.75	91.89	27.97	PASS	
10425.00†	7041.19	882.52	4006.31	7221.73	7021.39	829.00	6456.45	83.25	2450.80	92.02	26.83	PASS	
10525.00†	7040.76	883.48	4106.31	7222.11	7021.76	829.00	6456.45	83.53	2350.85	92.15	25.70	PASS	
10625.00†	7040.32	884.44	4206.30	7222.48	7022.14	829.00	6456.45	83.80	2250.91	92.30	24.57	PASS	
10725.00†	7039.88	885.40	4306.30	7222.86	7022.51	829.00	6456.46	84.08	2150.97	92.46	23.44	PASS	
10825.00†	7039.45	886.36	4406.29	7223.23	7022.89	829.01	6456.46	84.35	2051.04	92.64	22.30	PASS	
10925.00†	7039.01	887.32	4506.28	7223.61	7023.27	829.01	6456.46	84.63	1951.11	92.83	21.17	PASS	
11025.00†	7038.57	888.28	4606.28	7223.99	7023.64	829.01	6456.47	84.91	1851.20	93.05	20.04	PASS	
11125.00†	7038.14	889.24	4706.27	7224.37	7024.02	829.01	6456.47	85.19	1751.29	93.30	18.91	PASS	
11225.00†	7037.70	890.20	4806.27	7224.75	7024.40	829.01	6456.47	85.47	1651.39	93.58	17.77	PASS	
11325.00†	7037.27	891.16	4906.26	7225.13	7024.78	829.01	6456.47	85.75	1551.51	93.90	16.64	PASS	
11425.00†	7036.83	892.12	5006.26	7225.51	7025.16	829.01	6456.48	86.03	1451.64	94.27	15.51	PASS	
11525.00†	7036.39	893.08	5106.25	7225.89	7025.55	829.01	6456.48	86.32	1351.79	94.71	14.37	PASS	
11625.00†	7035.96	894.04	5206.25	7226.27	7025.93	829.02	6456.48	86.60	1251.97	95.23	13.24	PASS	
11725.00†	7035.52	895.00	5306.24	7226.66	7026.31	829.02	6456.49	86.89	1152.17	95.87	12.10	PASS	
11825.00†	7035.08	895.96	5406.23	7227.04	7026.70	829.02	6456.49	87.17	1052.42	96.67	10.96	PASS	
11925.00†	7034.65	896.92	5506.23	7227.43	7027.08	829.02	6456.49	87.46	952.72	97.69	9.82	PASS	
12025.00†	7034.21	897.88	5606.22	7227.81	7027.47	829.02	6456.50	87.74	853.08	99.02	8.67	PASS	
12125.00†	7033.78	898.84	5706.22	7228.20	7027.86	829.02	6456.50	88.03	753.55	100.83	7.52	PASS	
12225.00†	7033.34	899.80	5806.21	7228.59	7028.25	829.02	6456.50	88.32	654.15	103.37	6.37	PASS	
12325.00†	7032.90	900.76	5906.21	7228.98	7028.63	829.03	6456.51	88.61	554.97	107.11	5.21	PASS	
12425.00†	7032.47	901.72	6006.20	7229.37	7029.02	829.03	6456.51	88.90	456.15	112.97	4.06	PASS	
12525.00†	7032.03	902.68	6106.20	7229.76	7029.42	829.03	6456.51	89.19	357.98	122.90	2.92	PASS	
12625.00†	7031.59	903.64	6206.19	7230.15	7029.81	829.03	6456.52	89.48	261.21	141.72	1.85	PASS	
12725.00†	7031.16	904.60	6306.18	7230.54	7030.20	829.03	6456.52	89.77	168.26	183.82	0.92	FAIL	
12789.77†	7030.87	905.22	6370.95	7230.80	7030.45	829.03	6456.52	89.96	114.57	242.87	0.47	FAIL	
12825.00†	7030.72	905.34	6406.18	7230.94	7030.59	829.03	6456.52	90.07	91.42	290.74	0.31	FAIL	
12875.97†	7030.50	904.75	6457.14	7231.14	7030.79	829.03	6456.52	90.22	75.72	337.62	0.22	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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°FNL, 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	
12876.87†	7030.50	904.73	6458.04	7231.06	7030.72	829.03	6456.52	90.17	75.71	337.55	0.22	FAIL	
12913.21	7030.34	903.75	6494.37	7231.28	7030.93	829.03	6456.53	90.33	83.75	305.31	0.27	FAIL	
12925.00†	7030.29	903.35	6506.15	7231.32	7030.98	829.03	6456.53	90.37	89.37	287.57	0.31	FAIL	
13025.00†	7029.85	900.00	6606.10	7231.70	7031.36	829.04	6456.53	90.66	165.56	173.40	0.95	FAIL	
13125.00†	7029.42	896.65	6706.04	7232.09	7031.74	829.04	6456.53	90.94	258.52	130.49	1.99	PASS	
13225.00†	7028.99	893.31	6805.98	7232.47	7032.12	829.04	6456.54	91.23	355.32	112.58	3.17	PASS	
13325.00†	7028.55	889.96	6905.93	7232.85	7032.51	829.04	6456.54	91.52	453.52	104.00	4.38	PASS	
13425.00†	7028.12	886.61	7005.87	7233.24	7032.89	829.04	6456.54	91.81	552.36	99.50	5.58	PASS	
13525.00†	7027.68	883.26	7105.81	7233.62	7033.28	829.04	6456.54	92.10	651.55	97.01	6.76	PASS	
13625.00†	7027.25	879.91	7205.76	7234.01	7033.66	829.05	6456.55	92.39	750.96	95.58	7.91	PASS	
13725.00†	7026.82	876.56	7305.70	7234.39	7034.05	829.05	6456.55	92.68	850.51	94.75	9.04	PASS	
13825.00†	7026.38	873.22	7405.64	7234.78	7034.44	829.05	6456.55	92.97	950.15	94.26	10.15	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

MD Reference: Rig on SLOT#05 EX. BARNEY 8 (216°FSL & 1500°FNL, 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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	100.19	1.56	165.37	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-100.19	0.00	180.00	100.19	1.89	107.33	PASS	
225.00†	225.00	0.00	0.00	225.53	225.53	-100.12	-0.09	-179.99	100.12	2.46	66.42	PASS	
300.00	300.00	0.00	0.00	302.08	302.05	-99.11	-1.46	-179.15	99.14	3.01	47.93	PASS	
325.00†	325.00	0.10	0.05	327.56	327.52	-98.50	-2.29	152.01	98.66	3.20	43.69	PASS	
425.00†	424.96	2.38	1.34	429.26	429.02	-94.75	-7.38	155.80	97.60	4.30	29.00	PASS	
432.77†	432.72	2.68	1.51	437.10	436.83	-94.37	-7.89	156.21	97.59	4.40	28.15	PASS	
525.00†	524.77	7.70	4.33	530.31	529.58	-88.90	-15.31	162.16	98.69	5.58	21.16	PASS	
625.00†	624.30	16.05	9.03	630.38	628.76	-81.04	-25.97	170.46	103.31	6.65	18.00	PASS	
723.07	721.54	27.18	15.28	727.28	724.30	-71.48	-38.95	179.45	112.62	7.66	16.66	PASS	
725.00†	723.44	27.43	15.42	729.17	726.16	-71.27	-39.23	179.62	112.85	7.69	16.64	PASS	
825.00†	822.35	40.25	22.63	826.72	821.94	-60.30	-54.11	-171.91	126.50	8.42	16.84	PASS	
925.00†	921.27	53.08	29.85	924.17	917.62	-49.31	-69.03	-165.14	142.38	9.24	17.09	PASS	
1025.00†	1020.18	65.91	37.06	1021.62	1013.29	-38.32	-83.95	-159.76	159.85	10.09	17.41	PASS	
1125.00†	1119.09	78.73	44.27	1119.07	1108.96	-27.32	-98.86	-155.45	178.43	10.98	17.73	PASS	
1225.00†	1218.00	91.56	51.48	1216.52	1204.63	-16.33	-113.78	-151.96	197.81	11.84	18.10	PASS	
1325.00†	1316.91	104.38	58.69	1313.97	1300.30	-5.33	-128.70	-149.09	217.78	12.76	18.38	PASS	
1425.00†	1415.82	117.21	65.91	1411.42	1395.97	5.66	-143.61	-146.70	238.19	13.68	18.66	PASS	
1525.00†	1514.73	130.03	73.12	1508.87	1491.65	16.65	-158.53	-144.70	258.94	14.61	18.91	PASS	
1625.00†	1613.65	142.86	80.33	1606.31	1587.32	27.65	-173.45	-142.98	279.94	15.55	19.13	PASS	
1725.00†	1712.56	155.69	87.54	1703.76	1682.99	38.64	-188.36	-141.51	301.16	16.50	19.33	PASS	
1825.00†	1811.47	168.51	94.75	1801.21	1778.66	49.64	-203.28	-140.23	322.54	16.79	20.01	PASS	
1925.00†	1910.38	181.34	101.97	1898.66	1874.33	60.63	-218.20	-139.11	344.05	16.93	21.17	PASS	
2025.00†	2009.29	194.16	109.18	1996.11	1970.01	71.63	-233.11	-138.12	365.68	17.07	22.31	PASS	
2125.00†	2108.20	206.99	116.39	2093.56	2065.68	82.62	-248.03	-137.25	387.40	17.28	23.33	PASS	
2225.00†	2207.12	219.81	123.60	2191.01	2161.35	93.61	-262.95	-136.46	409.19	17.57	24.23	PASS	
2325.00†	2306.03	232.64	130.81	2288.46	2257.02	104.61	-277.86	-135.75	431.06	17.92	25.00	PASS	
2425.00†	2404.94	245.47	138.02	2385.91	2352.69	115.60	-292.78	-135.12	452.98	18.34	25.65	PASS	
2525.00†	2503.85	258.29	145.24	2483.36	2448.36	126.60	-307.70	-134.54	474.94	18.81	26.20	PASS	
2625.00†	2602.76	271.12	152.45	2580.81	2544.04	137.59	-322.61	-134.01	496.95	19.34	26.64	PASS	
2725.00†	2701.67	283.94	159.66	2678.26	2639.71	148.58	-337.53	-133.53	519.00	19.92	26.98	PASS	
2825.00†	2800.58	296.77	166.87	2775.71	2735.38	159.58	-352.45	-133.08	541.08	20.54	27.25	PASS	
2925.00†	2899.50	309.59	174.08	2873.16	2831.05	170.57	-367.36	-132.67	563.19	21.20	27.45	PASS	
3025.00†	2998.41	322.42	181.30	2970.61	2926.72	181.57	-382.28	-132.29	585.32	21.90	27.59	PASS	
3125.00†	3097.32	335.25	188.51	3068.06	3022.40	192.56	-397.20	-131.94	607.47	22.63	27.68	PASS	
3225.00†	3196.23	348.07	195.72	3165.51	3118.07	203.55	-412.11	-131.62	629.65	23.39	27.72	PASS	
3325.00†	3295.14	360.90	202.93	3262.96	3213.74	214.55	-427.03	-131.31	651.84	24.18	27.74	PASS	
3425.00†	3394.05	373.72	210.14	3360.41	3309.41	225.54	-441.95	-131.03	674.05	25.00	27.72	PASS	
3525.00†	3492.97	386.55	217.36	3457.86	3405.08	236.54	-456.86	-130.76	696.28	25.83	27.68	PASS	
3625.00†	3591.88	399.38	224.57	3555.31	3500.75	247.53	-471.78	-130.52	718.51	26.69	27.63	PASS	
3725.00†	3690.79	412.20	231.78	3652.76	3596.43	258.53	-486.70	-130.28	740.76	27.56	27.56	PASS	
3825.00†	3789.70	425.03	238.99	3750.21	3692.10	269.52	-501.61	-130.06	763.02	28.46	27.47	PASS	
3925.00†	3888.61	437.85	246.20	3847.66	3787.77	280.51	-516.53	-129.85	785.30	29.36	27.38	PASS	
4025.00†	3987.52	450.68	253.42	3945.11	3883.44	291.51	-531.45	-129.66	807.58	30.28	27.29	PASS	
4125.00†	4086.43	463.50	260.63	4042.56	3979.11	302.50	-546.36	-129.47	829.86	31.21	27.18	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4225.00†	4185.35	476.33	267.84	4140.01	4074.79	313.50	-561.28	-129.29	852.16	32.15	27.08	PASS	
4325.00†	4284.26	489.16	275.05	4237.46	4170.46	324.49	-576.20	-129.13	874.47	33.10	26.97	PASS	
4425.00†	4383.17	501.99	282.26	4334.91	4266.13	335.48	-591.11	-128.97	896.78	34.07	26.86	PASS	
4525.00†	4482.08	514.81	289.47	4432.36	4361.80	346.48	-606.03	-128.82	919.09	35.04	26.75	PASS	
4625.00†	4580.99	527.63	296.69	4529.81	4457.47	357.47	-620.95	-128.67	941.42	36.01	26.64	PASS	
4725.00†	4679.90	540.46	303.90	4627.26	4553.14	368.47	-635.86	-128.53	963.75	37.00	26.54	PASS	
4825.00†	4778.82	553.28	311.11	4724.71	4648.82	379.46	-650.78	-128.40	986.08	37.99	26.43	PASS	
4925.00†	4877.73	566.11	318.32	4822.16	4744.49	390.45	-665.70	-128.28	1008.42	38.99	26.32	PASS	
5025.00†	4976.64	578.94	325.53	4919.61	4840.16	401.45	-680.62	-128.16	1030.76	39.99	26.22	PASS	
5125.00†	5075.55	591.76	332.75	5017.06	4935.83	412.44	-695.53	-128.04	1053.11	41.00	26.12	PASS	
5225.00†	5174.46	604.59	339.96	5114.51	5031.50	423.44	-710.45	-127.93	1075.46	42.01	26.02	PASS	
5325.00†	5273.37	617.41	347.17	5211.96	5127.17	434.43	-725.37	-127.83	1097.81	43.03	25.92	PASS	
5425.00†	5372.28	630.24	354.38	5309.41	5222.85	445.43	-740.28	-127.72	1120.17	44.05	25.83	PASS	
5525.00†	5471.20	643.07	361.59	5406.86	5318.52	456.42	-755.20	-127.63	1142.53	45.08	25.73	PASS	
5625.00†	5570.11	655.89	368.81	5504.31	5414.19	467.41	-770.12	-127.53	1164.89	46.11	25.64	PASS	
5725.00†	5669.02	668.72	376.02	5601.76	5509.86	478.41	-785.03	-127.44	1187.26	47.14	25.55	PASS	
5825.00†	5767.93	681.54	383.23	5699.21	5605.53	489.41	-799.95	-127.34	1209.62	48.17	25.46	PASS	
5925.00†	5866.84	694.37	390.44	5796.66	5699.86	500.41	-814.86	-127.24	1231.97	49.20	25.37	PASS	
6025.00†	5965.75	707.19	397.65	5894.11	5794.19	511.41	-829.77	-127.14	1254.32	50.23	25.28	PASS	
6125.00†	6064.66	720.02	404.87	5991.56	5888.52	522.41	-844.68	-127.04	1276.67	51.26	25.19	PASS	
6225.00†	6163.58	732.85	412.08	6089.01	5982.85	533.41	-859.59	-126.94	1299.02	52.29	25.10	PASS	
6325.00†	6262.49	745.67	419.29	6186.46	6077.18	544.41	-874.50	-126.84	1321.37	53.32	25.01	PASS	
6425.00†	6361.40	758.50	426.50	6283.91	6171.51	555.41	-889.41	-126.74	1343.72	54.35	24.92	PASS	
6525.00†	6460.31	771.32	433.71	6381.36	6265.84	566.41	-904.32	-126.64	1366.07	55.38	24.83	PASS	
6533.75	6468.97	772.45	434.34	6389.81	6274.18	567.41	-905.23	-126.64	1366.07	55.38	24.83	PASS	
6625.00†	6558.44	784.11	447.41	6479.26	6359.17	577.41	-920.14	-126.54	1388.42	56.41	24.74	PASS	
6725.00†	6657.35	796.93	454.62	6576.71	6453.50	588.41	-935.05	-126.44	1410.77	57.44	24.65	PASS	
6825.00†	6756.26	809.75	461.83	6674.16	6547.83	599.41	-949.96	-126.34	1433.12	58.47	24.56	PASS	
6925.00†	6855.17	822.57	469.04	6771.61	6642.16	610.41	-964.87	-126.24	1455.47	59.50	24.47	PASS	
7025.00†	6954.08	835.39	476.25	6869.06	6736.49	621.41	-979.78	-126.14	1477.82	60.53	24.38	PASS	
7125.00†	7053.00	848.21	483.46	6966.51	6830.82	632.41	-994.69	-126.04	1500.17	61.56	24.29	PASS	
7225.00†	7151.91	861.03	490.67	7063.96	6925.15	643.41	-1009.60	-125.94	1522.52	62.59	24.20	PASS	
7325.00†	7250.82	873.85	497.88	7161.41	7019.48	654.41	-1024.51	-125.84	1544.87	63.62	24.11	PASS	
7425.00†	7349.73	886.67	505.09	7258.86	7113.81	665.41	-1039.42	-125.74	1567.22	64.65	24.02	PASS	
7489.77	7054.00	854.34	1071.25	8795.59	6974.26	648.15	1071.03	68.85	221.08	130.31	1.70	PASS	
7525.00†	7053.85	854.68	1106.47	8830.82	6974.13	648.16	1106.25	68.89	221.37	132.70	1.67	PASS	
7625.00†	7053.41	855.64	1206.47	8930.81	6973.78	648.19	1206.25	69.00	222.21	139.64	1.59	PASS	
7725.00†	7052.97	856.60	1306.46	9030.81	6973.43	648.22	1306.24	69.10	223.05	146.86	1.52	PASS	
7825.00†	7052.54	857.56	1406.46	9130.81	6973.07	648.25	1406.24	69.21	223.89	154.30	1.45	PASS	
7925.00†	7052.10	858.52	1506.45	9230.80	6972.72	648.28	1506.23	69.31	224.73	161.92	1.39	PASS	
8025.00†	7051.66	859.48	1606.45	9330.80	6972.37	648.31	1606.23	69.42	225.58	169.70	1.33	PASS	
8125.00†	7051.23	860.44	1706.44	9430.79	6972.01	648.33	1706.22	69.52	226.42	177.60	1.28	PASS	
8225.00†	7050.79	861.40	1806.43	9530.79	6971.66	648.36	1806.22	69.62	227.26	185.61	1.23	PASS	
8325.00†	7050.36	862.36	1906.43	9630.78	6971.30	648.39	1906.21	69.72	228.10	193.72	1.18	PASS	
8425.00†	7049.92	863.32	2006.42	9730.78	6970.95	648.42	2006.21	69.82	228.95	201.90	1.13	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#13 TROUDT 26N-26B-L (860'FNL & 1760'FWL, SEC.27) Well: TROUDT 26N-26B-L Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8525.00†	7049.48	864.28	2106.42	9830.78	6970.60	648.45	2106.20	69.92	229.79	210.16	1.09	PASS	
8625.00†	7049.05	865.24	2206.41	9930.77	6970.24	648.48	2206.20	70.02	230.64	218.48	1.06	PASS	
8725.00†	7048.61	866.20	2306.41	10030.77	6969.89	648.51	2306.19	70.12	231.49	226.85	1.02	PASS	
8825.00†	7048.17	867.16	2406.40	10130.76	6969.54	648.54	2406.19	70.21	232.33	235.27	0.99	FAIL	
8925.00†	7047.74	868.12	2506.40	10230.76	6969.18	648.57	2506.18	70.31	233.18	243.74	0.96	FAIL	
9025.00†	7047.30	869.08	2606.39	10330.75	6968.83	648.60	2606.18	70.41	234.03	252.24	0.93	FAIL	
9125.00†	7046.86	870.04	2706.38	10430.75	6968.47	648.63	2706.17	70.50	234.88	260.78	0.90	FAIL	
9225.00†	7046.43	871.00	2806.38	10530.74	6968.12	648.66	2806.17	70.60	235.73	269.36	0.87	FAIL	
9325.00†	7045.99	871.96	2906.37	10630.74	6967.77	648.69	2906.16	70.69	236.58	277.96	0.85	FAIL	
9425.00†	7045.56	872.92	3006.37	10730.74	6967.41	648.72	3006.16	70.78	237.43	286.59	0.83	FAIL	
9525.00†	7045.12	873.88	3106.36	10830.73	6967.06	648.75	3106.15	70.87	238.28	295.24	0.81	FAIL	
9625.00†	7044.68	874.84	3206.36	10930.73	6966.71	648.77	3206.15	70.97	239.14	303.92	0.79	FAIL	
9725.00†	7044.25	875.80	3306.35	11030.72	6966.35	648.80	3306.14	71.06	239.99	312.62	0.77	FAIL	
9825.00†	7043.81	876.76	3406.35	11130.72	6966.00	648.83	3406.14	71.15	240.84	321.34	0.75	FAIL	
9925.00†	7043.37	877.72	3506.34	11230.71	6965.64	648.86	3506.13	71.24	241.70	330.08	0.73	FAIL	
10025.00†	7042.94	878.68	3606.33	11330.71	6965.29	648.89	3606.13	71.33	242.55	338.83	0.72	FAIL	
10125.00†	7042.50	879.64	3706.33	11430.71	6964.94	648.92	3706.12	71.42	243.41	347.61	0.70	FAIL	
10225.00†	7042.07	880.60	3806.32	11530.70	6964.58	648.95	3806.12	71.50	244.26	356.40	0.68	FAIL	
10325.00†	7041.63	881.56	3906.32	11630.70	6964.23	648.98	3906.11	71.59	245.12	365.20	0.67	FAIL	
10425.00†	7041.19	882.52	4006.31	11730.69	6963.88	649.01	4006.11	71.68	245.98	374.02	0.66	FAIL	
10525.00†	7040.76	883.48	4106.31	11830.69	6963.52	649.04	4106.10	71.76	246.84	382.85	0.64	FAIL	
10625.00†	7040.32	884.44	4206.30	11930.68	6963.17	649.07	4206.10	71.85	247.69	391.70	0.63	FAIL	
10725.00†	7039.88	885.40	4306.30	12030.68	6962.81	649.10	4306.09	71.93	248.55	400.56	0.62	FAIL	
10825.00†	7039.45	886.36	4406.29	12130.67	6962.46	649.13	4406.09	72.02	249.41	409.43	0.61	FAIL	
10925.00†	7039.01	887.32	4506.28	12230.67	6962.11	649.16	4506.08	72.10	250.27	418.31	0.60	FAIL	
11025.00†	7038.57	888.28	4606.28	12330.67	6961.75	649.19	4606.08	72.19	251.13	427.20	0.59	FAIL	
11125.00†	7038.14	889.24	4706.27	12430.66	6961.40	649.21	4706.07	72.27	251.99	436.10	0.58	FAIL	
11225.00†	7037.70	890.20	4806.27	12530.66	6961.05	649.24	4806.07	72.35	252.86	445.01	0.57	FAIL	
11325.00†	7037.27	891.16	4906.26	12630.65	6960.69	649.27	4906.06	72.43	253.72	453.94	0.56	FAIL	
11425.00†	7036.83	892.12	5006.26	12730.65	6960.34	649.30	5006.06	72.51	254.58	462.87	0.55	FAIL	
11525.00†	7036.39	893.08	5106.25	12830.64	6959.98	649.33	5106.05	72.59	255.44	471.81	0.54	FAIL	
11625.00†	7035.96	894.04	5206.25	12930.64	6959.63	649.36	5206.05	72.67	256.31	480.76	0.53	FAIL	
11725.00†	7035.52	895.00	5306.24	13030.64	6959.28	649.39	5306.04	72.75	257.17	489.71	0.52	FAIL	
11825.00†	7035.08	895.96	5406.23	13130.63	6958.92	649.42	5406.04	72.83	258.04	498.68	0.52	FAIL	
11925.00†	7034.65	896.92	5506.23	13230.63	6958.57	649.45	5506.03	72.91	258.90	507.65	0.51	FAIL	
12025.00†	7034.21	897.88	5606.22	13330.62	6958.22	649.48	5606.03	72.99	259.77	516.63	0.50	FAIL	
12125.00†	7033.78	898.84	5706.22	13430.62	6957.86	649.51	5706.02	73.06	260.63	525.62	0.50	FAIL	
12225.00†	7033.34	899.80	5806.21	13530.61	6957.51	649.54	5806.02	73.14	261.50	534.62	0.49	FAIL	
12325.00†	7032.90	900.76	5906.21	13630.61	6957.15	649.57	5906.01	73.22	262.36	543.62	0.48	FAIL	
12425.00†	7032.47	901.72	6006.20	13730.60	6956.80	649.60	6006.01	73.29	263.23	552.63	0.48	FAIL	
12525.00†	7032.03	902.68	6106.20	13830.60	6956.45	649.63	6106.00	73.37	264.10	561.65	0.47	FAIL	
12625.00†	7031.59	903.64	6206.19	13930.60	6956.09	649.65	6206.00	73.44	264.97	570.67	0.46	FAIL	
12725.00†	7031.16	904.60	6306.18	14030.59	6955.74	649.68	6305.99	73.52	265.84	579.70	0.46	FAIL	
12789.77	7030.87	905.22	6370.95	14095.36	6955.51	649.70	6370.76	73.56	266.40	585.55	0.45	FAIL	
12825.00†	7030.72	905.34	6406.18	14130.59	6955.39	649.71	6405.99	73.58	266.50	588.69	0.45	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12913.21	7030.34	903.75	6494.37	14218.78	6955.07	649.74	6494.18	73.49	264.92	596.23	0.44	FAIL	
12925.00†	7030.29	903.35	6506.15	14230.56	6955.03	649.74	6505.96	73.47	264.54	597.21	0.44	FAIL	
13025.00†	7029.85	900.00	6606.10	14330.51	6954.68	649.77	6605.91	73.28	261.28	605.45	0.43	FAIL	
13125.00†	7029.42	896.65	6706.04	14430.45	6954.32	649.80	6705.85	73.08	258.02	613.66	0.42	FAIL	
13225.00†	7028.99	893.31	6805.98	14530.39	6953.97	649.83	6805.79	72.88	254.77	621.83	0.41	FAIL	
13325.00†	7028.55	889.96	6905.93	14630.34	6953.62	649.86	6905.73	72.67	251.52	629.95	0.40	FAIL	
13425.00†	7028.12	886.61	7005.87	14730.28	6953.26	649.89	7005.67	72.45	248.27	638.04	0.39	FAIL	
13525.00†	7027.68	883.26	7105.81	14830.22	6952.91	649.92	7105.62	72.23	245.03	646.07	0.38	FAIL	
13625.00†	7027.25	879.91	7205.76	14930.16	6952.56	649.95	7205.56	72.00	241.79	654.06	0.37	FAIL	
13725.00†	7026.82	876.56	7305.70	15030.11	6952.20	649.98	7305.50	71.77	238.56	662.00	0.36	FAIL	
13825.00†	7026.38	873.22	7405.64	15130.05	6951.85	650.01	7405.44	71.53	235.33	669.88	0.35	FAIL	
13925.00†	7025.95	869.87	7505.58	15229.99	6951.50	650.04	7505.39	71.29	232.10	677.71	0.34	FAIL	
14025.00†	7025.52	866.52	7605.53	15329.94	6951.14	650.06	7605.33	71.04	228.88	685.47	0.33	FAIL	
14125.00†	7025.08	863.17	7705.47	15429.88	6950.79	650.09	7705.27	70.78	225.66	693.17	0.32	FAIL	
14225.00†	7024.65	859.82	7805.41	15529.82	6950.44	650.12	7805.21	70.51	222.44	700.80	0.32	FAIL	
14325.00†	7024.22	856.47	7905.36	15629.76	6950.08	650.15	7905.15	70.23	219.24	708.36	0.31	FAIL	
14425.00†	7023.78	853.13	8005.30	15729.71	6949.73	650.18	8005.10	69.95	216.03	715.84	0.30	FAIL	
14525.00†	7023.35	849.78	8105.24	15829.65	6949.37	650.21	8105.04	69.66	212.84	723.24	0.29	FAIL	
14625.00†	7022.92	846.43	8205.19	15929.59	6949.02	650.24	8204.98	69.36	209.64	730.55	0.29	FAIL	
14725.00†	7022.48	843.08	8305.13	16029.54	6948.67	650.27	8304.92	69.05	206.46	737.76	0.28	FAIL	
14825.00†	7022.05	839.73	8405.07	16129.48	6948.31	650.30	8404.87	68.73	203.28	744.88	0.27	FAIL	
14836.05	7022.00	839.36	8416.11	16140.52	6948.27	650.30	8415.91	68.69	202.93	745.66	0.27	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1728.38	-61.07	0.00	-17.17	-59.57
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1728.38	-61.07	0.00	-17.17	-59.57
8.5in Open Hole	1750.00	16500.84	14750.84	1728.38	6947.00	-17.17	-59.57	167.71	2674.99

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 26N-26B-L PWB Offset Wellpath: TROUDT 26N-26B-L PWP (REV-A.0)	
MD Reference: PD 562 (25') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	25.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-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	15.30	PASS	
225.00†	225.00	0.00	0.00	225.05	225.05	0.10	-14.98	-89.62	14.98	2.44	9.47	PASS	
300.00	300.00	0.00	0.00	300.18	300.16	1.59	-14.30	-83.64	14.39	2.92	6.87	PASS	
325.00†	325.00	0.10	0.05	325.20	325.16	2.49	-13.89	-109.61	14.15	3.06	6.29	PASS	
395.57†	395.55	1.39	0.78	395.79	395.64	6.09	-12.26	-99.54	13.86	3.49	5.10	PASS	
425.00†	424.96	2.38	1.34	425.20	424.97	8.05	-11.37	-95.26	13.91	3.67	4.79	PASS	
525.00†	524.77	7.70	4.33	525.08	524.38	16.77	-7.40	-81.53	14.84	4.51	3.92	PASS	
625.00†	624.30	16.05	9.03	624.83	623.28	28.62	-2.02	-70.38	16.77	5.72	3.32	PASS	
723.07	721.54	27.18	15.28	722.61	719.73	43.21	4.61	-62.55	19.34	7.01	3.04	PASS	
725.00†	723.44	27.43	15.42	724.54	721.63	43.52	4.75	-62.45	19.39	7.03	3.04	PASS	
825.00†	822.35	40.25	22.63	824.49	820.05	59.39	11.97	-58.01	22.03	8.02	2.98	PASS	
925.00†	921.27	53.08	29.85	924.45	918.47	75.27	19.18	-54.54	24.78	8.97	2.98	PASS	
1025.00†	1020.18	65.91	37.06	1024.40	1016.89	91.14	26.39	-51.76	27.59	9.87	2.99	PASS	
1125.00†	1119.09	78.73	44.27	1124.35	1115.31	107.01	33.61	-49.51	30.46	10.74	3.02	PASS	
1225.00†	1218.00	91.56	51.48	1224.30	1213.73	122.89	40.82	-47.64	33.37	11.59	3.05	PASS	
1325.00†	1316.91	104.38	58.69	1324.25	1312.15	138.76	48.04	-46.08	36.31	12.43	3.08	PASS	
1425.00†	1415.82	117.21	65.91	1424.21	1410.57	154.63	55.25	-44.75	39.27	13.26	3.12	PASS	
1525.00†	1514.73	130.03	73.12	1524.16	1508.99	170.51	62.46	-43.61	42.25	14.08	3.15	PASS	
1625.00†	1613.65	142.86	80.33	1624.11	1607.41	186.38	69.68	-42.62	45.24	14.91	3.18	PASS	
1725.00†	1712.56	155.69	87.54	1724.06	1705.83	202.26	76.89	-41.75	48.24	15.72	3.20	PASS	
1825.00†	1811.47	168.51	94.75	1824.02	1804.25	218.13	84.10	-40.98	51.26	15.87	3.33	PASS	
1925.00†	1910.38	181.34	101.97	1923.97	1902.67	234.00	91.32	-40.30	54.28	15.92	3.52	PASS	
2025.00†	2009.29	194.16	109.18	2023.92	2001.09	249.88	98.53	-39.69	57.31	16.06	3.69	PASS	
2125.00†	2108.20	206.99	116.39	2123.87	2099.51	265.75	105.75	-39.14	60.35	16.27	3.83	PASS	
2225.00†	2207.12	219.81	123.60	2223.83	2197.93	281.62	112.96	-38.65	63.39	16.56	3.95	PASS	
2325.00†	2306.03	232.64	130.81	2323.78	2296.35	297.50	120.17	-38.20	66.43	16.93	4.05	PASS	
2425.00†	2404.94	245.47	138.02	2423.73	2394.77	313.37	127.39	-37.79	69.48	17.36	4.13	PASS	
2525.00†	2503.85	258.29	145.24	2523.68	2493.19	329.24	134.60	-37.41	72.53	17.85	4.19	PASS	
2625.00†	2602.76	271.12	152.45	2623.63	2591.61	345.12	141.82	-37.07	75.59	18.41	4.23	PASS	
2725.00†	2701.67	283.94	159.66	2723.59	2690.03	360.99	149.03	-36.75	78.64	19.01	4.26	PASS	
2825.00†	2800.58	296.77	166.87	2823.54	2788.45	376.86	156.24	-36.45	81.70	19.66	4.27	PASS	
2925.00†	2899.50	309.59	174.08	2923.49	2886.87	392.74	163.46	-36.18	84.77	20.35	4.28	PASS	
3025.00†	2998.41	322.42	181.30	3023.44	2985.29	408.61	170.67	-35.92	87.83	21.08	4.28	PASS	
3125.00†	3097.32	335.25	188.51	3123.40	3083.71	424.49	177.89	-35.69	90.89	21.84	4.27	PASS	
3225.00†	3196.23	348.07	195.72	3223.35	3182.12	440.36	185.10	-35.46	93.96	22.63	4.25	PASS	
3325.00†	3295.14	360.90	202.93	3323.30	3280.54	456.23	192.31	-35.26	97.03	23.45	4.23	PASS	
3425.00†	3394.05	373.72	210.14	3423.25	3378.96	472.11	199.53	-35.06	100.10	24.30	4.21	PASS	
3525.00†	3492.97	386.55	217.36	3523.21	3477.38	487.98	206.74	-34.88	103.17	25.16	4.19	PASS	
3625.00†	3591.88	399.38	224.57	3623.16	3575.80	503.85	213.95	-34.71	106.24	26.04	4.17	PASS	
3725.00†	3690.79	412.20	231.78	3723.11	3674.22	519.73	221.17	-34.54	109.31	26.94	4.14	PASS	
3825.00†	3789.70	425.03	238.99	3823.06	3772.64	535.60	228.38	-34.39	112.38	27.86	4.11	PASS	
3925.00†	3888.61	437.85	246.20	3923.02	3871.06	551.47	235.60	-34.24	115.46	28.79	4.09	PASS	
4025.00†	3987.52	450.68	253.42	4022.97	3969.48	567.35	242.81	-34.10	118.53	29.73	4.06	PASS	
4125.00†	4086.43	463.50	260.63	4122.92	4067.90	583.22	250.02	-33.97	121.61	30.69	4.03	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4225.00†	4185.35	476.33	267.84	4222.87	4166.32	599.09	257.24	-33.85	124.68	31.65	4.01	PASS	
4325.00†	4284.26	489.16	275.05	4322.82	4264.74	614.97	264.45	-33.73	127.76	32.62	3.98	PASS	
4425.00†	4383.17	501.99	282.26	4422.78	4363.16	630.84	271.67	-33.61	130.83	33.61	3.96	PASS	
4525.00†	4482.08	514.81	289.47	4522.73	4461.58	646.72	278.88	-33.51	133.91	34.60	3.93	PASS	
4625.00†	4580.99	527.63	296.69	4622.68	4560.00	662.59	286.09	-33.40	136.99	35.59	3.91	PASS	
4725.00†	4679.90	540.46	303.90	4722.63	4658.42	678.46	293.31	-33.30	140.07	36.60	3.88	PASS	
4825.00†	4778.82	553.28	311.11	4822.59	4756.84	694.34	300.52	-33.21	143.14	37.61	3.86	PASS	
4925.00†	4877.73	566.11	318.32	4922.54	4855.26	710.21	307.74	-33.12	146.22	38.62	3.84	PASS	
5025.00†	4976.64	578.94	325.53	5022.49	4953.68	726.08	314.95	-33.03	149.30	39.64	3.82	PASS	
5125.00†	5075.55	591.76	332.75	5122.44	5052.10	741.96	322.16	-32.95	152.38	40.67	3.80	PASS	
5225.00†	5174.46	604.59	339.96	5222.40	5150.52	757.83	329.38	-32.87	155.46	41.70	3.78	PASS	
5325.00†	5273.37	617.41	347.17	5322.35	5248.94	773.70	336.59	-32.79	158.54	42.73	3.76	PASS	
5425.00†	5372.28	630.24	354.38	5422.30	5347.36	789.58	343.80	-32.72	161.62	43.77	3.74	PASS	
5525.00†	5471.20	643.07	361.59	5522.25	5445.78	805.45	351.02	-32.65	164.70	44.81	3.72	PASS	
5625.00†	5570.11	655.89	368.81	5622.20	5544.20	821.32	358.23	-32.58	167.78	45.85	3.70	PASS	
5725.00†	5669.02	668.72	376.02	5722.16	5642.62	837.20	365.45	-32.51	170.86	46.90	3.68	PASS	
5825.00†	5767.93	681.54	383.23	5822.11	5741.04	853.07	372.66	-32.45	173.95	47.94	3.67	PASS	
5925.00†	5866.84	694.37	390.44	5922.06	5839.46	868.95	379.87	-32.39	177.03	49.00	3.65	PASS	
6025.00†	5965.75	707.19	397.65	6022.01	5937.88	884.82	387.09	-32.33	180.11	50.05	3.64	PASS	
6125.00†	6064.66	720.02	404.87	6121.97	6036.30	900.69	394.30	-32.27	183.19	51.11	3.62	PASS	
6225.00†	6163.58	732.85	412.08	6221.92	6134.72	916.57	401.52	-32.21	186.27	52.17	3.61	PASS	
6325.00†	6262.49	745.67	419.29	6321.87	6233.14	932.44	408.73	-32.16	189.35	53.23	3.59	PASS	
6425.00†	6361.40	758.50	426.50	6421.82	6331.56	948.31	415.94	-32.11	192.44	54.29	3.58	PASS	
6525.00†	6460.31	771.32	433.71	6521.78	6429.98	964.19	423.16	-32.06	195.52	55.35	3.57	PASS	
6533.75	6468.97	772.45	434.34	6530.52	6438.59	965.58	423.79	-32.05	195.79	55.45	3.56	PASS	
6625.00†	6558.44	784.11	447.41	6621.42	6528.09	980.01	430.35	-63.00	198.97	56.50	3.55	PASS	
6725.00†	6653.23	796.63	476.37	6721.48	6626.48	995.88	439.06	-79.72	204.47	58.00	3.56	PASS	
6825.00†	6742.33	808.56	519.92	6827.09	6728.03	1012.22	462.46	-90.46	212.09	59.78	3.58	PASS	
6925.00†	6823.57	819.61	577.00	6937.14	6828.28	1028.30	504.56	-98.26	220.95	61.97	3.59	PASS	
7025.00†	6894.93	829.52	646.20	7051.80	6923.50	1043.54	566.32	-104.24	230.22	64.20	3.61	PASS	
7125.00†	6954.67	838.03	725.81	7171.04	7009.27	1057.20	647.77	-108.85	238.97	66.56	3.62	PASS	
7225.00†	7001.30	844.93	813.89	7294.48	7080.68	1068.49	747.58	-112.30	246.33	69.14	3.59	PASS	
7325.00†	7033.68	850.07	908.25	7421.38	7132.89	1076.66	862.72	-114.69	251.51	72.07	3.51	PASS	
7425.00†	7051.02	853.30	1006.58	7550.61	7161.86	1081.04	988.36	-116.07	253.94	75.46	3.39	PASS	
7489.77	7054.00	854.34	1071.25	7634.82	7167.00	1081.68	1072.34	-116.44	253.87	77.89	3.28	PASS	
7525.00†	7053.85	854.68	1106.47	7670.05	7166.86	1081.57	1107.57	-116.48	253.48	78.77	3.24	PASS	
7625.00†	7053.41	855.64	1206.47	7770.04	7166.48	1081.28	1207.56	-116.62	252.39	84.89	2.99	PASS	
7725.00†	7052.97	856.60	1306.46	7870.03	7166.10	1080.99	1307.55	-116.76	251.29	90.57	2.79	PASS	
7825.00†	7052.54	857.56	1406.46	7970.02	7165.72	1080.69	1407.54	-116.90	250.20	96.60	2.60	PASS	
7925.00†	7052.10	858.52	1506.45	8070.01	7165.34	1080.40	1507.53	-117.04	249.11	102.92	2.43	PASS	
8025.00†	7051.66	859.48	1606.45	8170.01	7164.96	1080.11	1607.52	-117.19	248.02	109.47	2.27	PASS	
8125.00†	7051.23	860.44	1706.44	8270.00	7164.58	1079.82	1707.52	-117.33	246.93	116.21	2.13	PASS	
8225.00†	7050.79	861.40	1806.43	8369.99	7164.20	1079.52	1807.51	-117.48	245.84	123.10	2.00	PASS	
8325.00†	7050.36	862.36	1906.43	8469.98	7163.82	1079.23	1907.50	-117.62	244.76	130.12	1.89	PASS	
8425.00†	7049.92	863.32	2006.42	8569.98	7163.43	1078.94	2007.49	-117.77	243.67	137.24	1.78	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8525.00†	7049.48	864.28	2106.42	8669.97	7163.05	1078.64	2107.48	-117.92	242.59	144.43	1.68	PASS	
8625.00†	7049.05	865.24	2206.41	8769.96	7162.67	1078.35	2207.47	-118.07	241.51	151.70	1.59	PASS	
8725.00†	7048.61	866.20	2306.41	8869.95	7162.29	1078.06	2307.46	-118.22	240.43	159.01	1.51	PASS	
8825.00†	7048.17	867.16	2406.40	8969.94	7161.91	1077.76	2407.45	-118.38	239.35	166.37	1.44	PASS	
8925.00†	7047.74	868.12	2506.40	9069.94	7161.53	1077.47	2507.44	-118.53	238.28	173.76	1.37	PASS	
9025.00†	7047.30	869.08	2606.39	9169.93	7161.15	1077.18	2607.43	-118.69	237.20	181.18	1.31	PASS	
9125.00†	7046.86	870.04	2706.38	9269.92	7160.77	1076.88	2707.43	-118.85	236.13	188.61	1.25	PASS	
9225.00†	7046.43	871.00	2806.38	9369.91	7160.39	1076.59	2807.42	-119.00	235.06	196.06	1.20	PASS	
9325.00†	7045.99	871.96	2906.37	9469.90	7160.00	1076.30	2907.41	-119.17	233.99	203.51	1.15	PASS	
9425.00†	7045.56	872.92	3006.37	9569.90	7159.62	1076.00	3007.40	-119.33	232.93	210.96	1.10	PASS	
9525.00†	7045.12	873.88	3106.36	9669.89	7159.24	1075.71	3107.39	-119.49	231.86	218.42	1.06	PASS	
9625.00†	7044.68	874.84	3206.36	9769.88	7158.86	1075.42	3207.38	-119.66	230.80	225.87	1.02	PASS	
9725.00†	7044.25	875.80	3306.35	9869.87	7158.48	1075.12	3307.37	-119.82	229.74	233.31	0.98	FAIL	
9825.00†	7043.81	876.76	3406.35	9969.87	7158.10	1074.83	3407.36	-119.99	228.68	240.74	0.95	FAIL	
9925.00†	7043.37	877.72	3506.34	10069.86	7157.72	1074.54	3507.35	-120.16	227.62	248.16	0.92	FAIL	
10025.00†	7042.94	878.68	3606.33	10169.85	7157.34	1074.24	3607.34	-120.33	226.57	255.57	0.89	FAIL	
10125.00†	7042.50	879.64	3706.33	10269.84	7156.96	1073.95	3707.34	-120.50	225.52	262.95	0.86	FAIL	
10225.00†	7042.07	880.60	3806.32	10369.83	7156.57	1073.66	3807.33	-120.68	224.47	270.32	0.83	FAIL	
10325.00†	7041.63	881.56	3906.32	10469.83	7156.19	1073.37	3907.32	-120.86	223.42	277.67	0.80	FAIL	
10425.00†	7041.19	882.52	4006.31	10569.82	7155.81	1073.07	4007.31	-121.03	222.37	285.00	0.78	FAIL	
10525.00†	7040.76	883.48	4106.31	10669.81	7155.43	1072.78	4107.30	-121.21	221.33	292.30	0.76	FAIL	
10625.00†	7040.32	884.44	4206.30	10769.80	7155.05	1072.48	4207.29	-121.39	220.28	299.57	0.73	FAIL	
10725.00†	7039.88	885.40	4306.30	10869.79	7154.67	1072.19	4307.28	-121.58	219.24	306.82	0.71	FAIL	
10825.00†	7039.45	886.36	4406.29	10969.79	7154.29	1071.90	4407.27	-121.76	218.21	314.04	0.69	FAIL	
10925.00†	7039.01	887.32	4506.28	11069.78	7153.91	1071.61	4507.26	-121.95	217.17	321.23	0.68	FAIL	
11025.00†	7038.57	888.28	4606.28	11169.77	7153.53	1071.31	4607.25	-122.14	216.14	328.39	0.66	FAIL	
11125.00†	7038.14	889.24	4706.27	11269.76	7153.14	1071.02	4707.24	-122.33	215.11	335.52	0.64	FAIL	
11225.00†	7037.70	890.20	4806.27	11369.76	7152.76	1070.73	4807.24	-122.52	214.08	342.61	0.62	FAIL	
11325.00†	7037.27	891.16	4906.26	11469.75	7152.38	1070.43	4907.23	-122.71	213.05	349.67	0.61	FAIL	
11425.00†	7036.83	892.12	5006.26	11569.74	7152.00	1070.14	5007.22	-122.91	212.03	356.69	0.59	FAIL	
11525.00†	7036.39	893.08	5106.25	11669.73	7151.62	1069.85	5107.21	-123.10	211.01	363.67	0.58	FAIL	
11625.00†	7035.96	894.04	5206.25	11769.72	7151.24	1069.55	5207.20	-123.30	209.99	370.62	0.57	FAIL	
11725.00†	7035.52	895.00	5306.24	11869.72	7150.86	1069.26	5307.19	-123.50	208.98	377.52	0.55	FAIL	
11825.00†	7035.08	895.96	5406.23	11969.71	7150.48	1068.97	5407.18	-123.71	207.96	384.39	0.54	FAIL	
11925.00†	7034.65	896.92	5506.23	12069.70	7150.10	1068.67	5507.17	-123.91	206.95	391.21	0.53	FAIL	
12025.00†	7034.21	897.88	5606.22	12169.69	7149.71	1068.38	5607.16	-124.12	205.94	397.99	0.52	FAIL	
12125.00†	7033.78	898.84	5706.22	12269.68	7149.33	1068.09	5707.15	-124.33	204.94	404.72	0.51	FAIL	
12225.00†	7033.34	899.80	5806.21	12369.68	7148.95	1067.80	5807.15	-124.54	203.94	411.41	0.49	FAIL	
12325.00†	7032.90	900.76	5906.21	12469.67	7148.57	1067.50	5907.14	-124.75	202.94	418.05	0.48	FAIL	
12425.00†	7032.47	901.72	6006.20	12569.66	7148.19	1067.21	6007.13	-124.97	201.94	424.64	0.47	FAIL	
12525.00†	7032.03	902.68	6106.20	12669.65	7147.81	1066.92	6107.12	-125.19	200.95	431.19	0.47	FAIL	
12625.00†	7031.59	903.64	6206.19	12769.64	7147.43	1066.62	6207.11	-125.41	199.96	437.68	0.46	FAIL	
12725.00†	7031.16	904.60	6306.18	12869.64	7147.05	1066.33	6307.10	-125.63	198.97	444.12	0.45	FAIL	
12789.77	7030.87	905.22	6370.95	12934.40	7146.80	1066.14	6371.87	-125.77	198.33	448.26	0.44	FAIL	
12825.00†	7030.72	905.34	6406.18	12969.63	7146.67	1066.04	6407.09	-125.81	198.16	450.70	0.44	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12913.21	7030.34	903.75	6494.37	13057.83	7146.33	1065.78	6495.29	-125.60	199.27	458.47	0.43	FAIL	
12925.00†	7030.29	903.35	6506.15	13069.61	7146.28	1065.74	6507.07	-125.54	199.57	459.67	0.43	FAIL	
13025.00†	7029.85	900.00	6606.10	13169.57	7145.90	1065.45	6607.03	-125.05	202.09	469.85	0.43	FAIL	
13125.00†	7029.42	896.65	6706.04	13269.52	7145.52	1065.16	6706.98	-124.57	204.63	480.02	0.43	FAIL	
13225.00†	7028.99	893.31	6805.98	13369.47	7145.14	1064.86	6806.93	-124.11	207.18	490.18	0.42	FAIL	
13325.00†	7028.55	889.96	6905.93	13469.43	7144.76	1064.57	6906.88	-123.65	209.75	500.34	0.42	FAIL	
13425.00†	7028.12	886.61	7005.87	13569.38	7144.38	1064.28	7006.83	-123.20	212.33	510.48	0.42	FAIL	
13525.00†	7027.68	883.26	7105.81	13669.33	7144.00	1063.98	7106.79	-122.77	214.92	520.62	0.41	FAIL	
13625.00†	7027.25	879.91	7205.76	13769.28	7143.62	1063.69	7206.74	-122.35	217.52	530.75	0.41	FAIL	
13725.00†	7026.82	876.56	7305.70	13869.24	7143.24	1063.40	7306.69	-121.93	220.14	540.86	0.41	FAIL	
13825.00†	7026.38	873.22	7405.64	13969.19	7142.86	1063.11	7406.64	-121.53	222.77	550.97	0.40	FAIL	
13925.00†	7025.95	869.87	7505.58	14069.14	7142.47	1062.81	7506.59	-121.13	225.40	561.07	0.40	FAIL	
14025.00†	7025.52	866.52	7605.53	14169.10	7142.09	1062.52	7606.55	-120.75	228.05	571.15	0.40	FAIL	
14125.00†	7025.08	863.17	7705.47	14269.05	7141.71	1062.23	7706.50	-120.37	230.71	581.23	0.40	FAIL	
14225.00†	7024.65	859.82	7805.41	14369.00	7141.33	1061.93	7806.45	-120.00	233.38	591.29	0.39	FAIL	
14325.00†	7024.22	856.47	7905.36	14468.96	7140.95	1061.64	7906.40	-119.64	236.05	601.34	0.39	FAIL	
14425.00†	7023.78	853.13	8005.30	14568.91	7140.57	1061.35	8006.36	-119.29	238.74	611.39	0.39	FAIL	
14525.00†	7023.35	849.78	8105.24	14668.86	7140.19	1061.05	8106.31	-118.95	241.43	621.42	0.39	FAIL	
14625.00†	7022.92	846.43	8205.19	14768.82	7139.81	1060.76	8206.26	-118.61	244.14	631.44	0.39	FAIL	
14725.00†	7022.48	843.08	8305.13	14868.77	7139.43	1060.47	8306.21	-118.28	246.85	641.45	0.38	FAIL	
14825.00†	7022.05	839.73	8405.07	14968.72	7139.05	1060.17	8406.16	-117.96	249.57	651.44	0.38	FAIL	
14836.05	7022.00	839.36	8416.11	14979.77	7139.00	1060.14	8417.21	-117.93	249.87	652.55	0.38	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1731.37	0.00	-9.16	62.90	19.43
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.37	0.00	-9.16	62.90	19.43
8.5in Open Hole	1750.00	14980.82	13230.82	1731.37	7139.00	62.90	19.43	323.13	2561.31

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14275.07	7062.23	866.14	-145.51	-9.54	7091.82	111.10	64.35	PASS	
125.00†	125.00	0.00	0.00	14276.92	7062.26	866.19	-143.66	-9.42	6992.60	111.95	62.97	PASS	
225.00†	225.00	0.00	0.00	14278.76	7062.29	866.23	-141.82	-9.30	6893.41	112.23	61.92	PASS	
300.00	300.00	0.00	0.00	14280.15	7062.32	866.26	-140.43	-9.21	6819.02	112.46	61.13	PASS	
325.00†	325.00	0.10	0.05	14280.67	7062.33	866.27	-139.91	-41.05	6794.22	112.53	60.86	PASS	
425.00†	424.96	2.38	1.34	14283.90	7062.39	866.35	-136.68	-53.99	6694.84	112.81	59.82	PASS	
525.00†	524.77	7.70	4.33	14288.97	7062.48	866.46	-131.62	-72.81	6595.27	113.06	58.80	PASS	
625.00†	624.30	16.05	9.03	14295.87	7062.60	866.62	-124.72	-96.13	6495.61	113.28	57.80	PASS	
723.07	721.54	27.18	15.28	14304.40	7062.75	866.81	-116.19	-117.42	6397.91	113.45	56.85	PASS	
725.00†	723.44	27.43	15.42	14304.58	7062.75	866.81	-116.01	-117.42	6395.99	113.45	56.83	PASS	
825.00†	822.35	40.25	22.63	14314.16	7062.92	867.02	-106.43	-117.37	6296.42	113.60	55.87	PASS	
925.00†	921.27	53.08	29.85	14326.05	7063.13	867.28	-94.55	-117.31	6196.85	113.79	54.89	PASS	
1025.00†	1020.18	65.91	37.06	14340.12	7063.38	867.55	-80.48	-117.24	6097.27	114.00	53.91	PASS	
1125.00†	1119.09	78.73	44.27	14353.96	7063.61	867.79	-66.65	-117.18	5997.69	114.21	52.93	PASS	
1225.00†	1218.00	91.56	51.48	14367.56	7063.83	867.99	-53.05	-117.11	5898.09	114.43	51.95	PASS	
1325.00†	1316.91	104.38	58.69	14380.93	7064.04	868.16	-39.68	-117.04	5798.49	114.64	50.98	PASS	
1425.00†	1415.82	117.21	65.91	14394.08	7064.24	868.31	-26.53	-116.97	5698.89	114.85	50.01	PASS	
1525.00†	1514.73	130.03	73.12	14407.02	7064.43	868.43	-13.60	-116.91	5599.28	115.06	49.05	PASS	
1625.00†	1613.65	142.86	80.33	14415.76	7064.56	868.49	-4.86	-116.86	5499.66	115.23	48.10	PASS	
1725.00†	1712.56	155.69	87.54	14423.77	7064.68	868.53	3.15	-116.82	5400.05	115.39	47.16	PASS	
1825.00†	1811.47	168.51	94.75	14431.81	7064.80	868.57	11.19	-116.78	5300.43	115.55	46.23	PASS	
1925.00†	1910.38	181.34	101.97	14439.87	7064.93	868.59	19.25	-116.74	5200.82	115.72	45.29	PASS	
2025.00†	2009.29	194.16	109.18	14447.96	7065.06	868.59	27.34	-116.70	5101.21	115.89	44.36	PASS	
2125.00†	2108.20	206.99	116.39	14456.08	7065.19	868.59	35.46	-116.66	5001.60	116.07	43.43	PASS	
2225.00†	2207.12	219.81	123.60	14464.23	7065.33	868.57	43.60	-116.62	4901.99	116.25	42.49	PASS	
2325.00†	2306.03	232.64	130.81	14472.40	7065.47	868.54	51.77	-116.58	4802.38	116.43	41.56	PASS	
2425.00†	2404.94	245.47	138.02	14480.59	7065.61	868.49	59.97	-116.54	4702.78	116.62	40.64	PASS	
2525.00†	2503.85	258.29	145.24	14488.82	7065.76	868.44	68.19	-116.50	4603.17	116.81	39.71	PASS	
2625.00†	2602.76	271.12	152.45	14497.07	7065.91	868.37	76.44	-116.46	4503.57	117.00	38.78	PASS	
2725.00†	2701.67	283.94	159.66	14505.83	7066.07	868.29	85.19	-116.41	4403.97	117.19	37.86	PASS	
2825.00†	2800.58	296.77	166.87	14514.65	7066.23	868.21	94.01	-116.37	4304.36	117.38	36.93	PASS	
2925.00†	2899.50	309.59	174.08	14523.47	7066.39	868.15	102.84	-116.32	4204.76	117.57	36.01	PASS	
3025.00†	2998.41	322.42	181.30	14532.30	7066.54	868.09	111.66	-116.26	4105.16	117.76	35.09	PASS	
3125.00†	3097.32	335.25	188.51	14541.13	7066.70	868.04	120.49	-116.20	4005.56	117.95	34.18	PASS	
3225.00†	3196.23	348.07	195.72	14549.97	7066.86	868.00	129.32	-116.14	3905.96	118.13	33.26	PASS	
3325.00†	3295.14	360.90	202.93	14558.80	7067.02	867.96	138.16	-116.07	3806.36	118.32	32.35	PASS	
3425.00†	3394.05	373.72	210.14	14567.64	7067.17	867.94	147.00	-116.00	3706.75	118.51	31.43	PASS	
3525.00†	3492.97	386.55	217.36	14576.48	7067.33	867.92	155.84	-115.92	3607.15	118.70	30.53	PASS	
3625.00†	3591.88	399.38	224.57	14585.33	7067.48	867.91	164.68	-115.84	3507.55	118.89	29.62	PASS	
3725.00†	3690.79	412.20	231.78	14594.31	7067.63	867.91	173.66	-115.75	3407.95	119.08	28.71	PASS	
3825.00†	3789.70	425.03	238.99	14603.35	7067.79	867.89	182.70	-115.68	3308.35	119.27	27.81	PASS	
3925.00†	3888.61	437.85	246.20	14612.38	7067.95	867.87	191.73	-115.60	3208.75	119.46	26.91	PASS	
4025.00†	3987.52	450.68	253.42	14621.40	7068.11	867.83	200.75	-115.55	3109.15	119.65	26.02	PASS	
4125.00†	4086.43	463.50	260.63	14630.42	7068.27	867.79	209.76	-115.50	3009.55	119.84	25.12	PASS	
4225.00†	4185.35	476.33	267.84	14639.43	7068.43	867.74	218.77	-115.45	2909.94	120.03	24.23	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	14648.43	7068.59	867.68	227.77	-115.11	2810.34	121.06	23.35	PASS	
4425.00†	4383.17	501.98	282.26	14657.43	7068.75	867.60	236.77	-114.99	2710.74	121.36	22.46	PASS	
4525.00†	4482.08	514.81	289.47	14666.42	7068.92	867.52	245.75	-114.86	2611.14	121.67	21.58	PASS	
4625.00†	4580.99	527.63	296.69	14675.40	7069.08	867.43	254.74	-114.71	2511.53	121.99	20.70	PASS	
4725.00†	4679.90	540.46	303.90	14684.57	7069.25	867.33	263.90	-114.56	2411.93	122.31	19.83	PASS	
4825.00†	4778.82	553.28	311.11	14693.75	7069.42	867.23	273.09	-114.40	2312.33	122.64	18.96	PASS	
4925.00†	4877.73	566.11	318.32	14702.91	7069.58	867.11	282.24	-114.22	2212.72	122.98	18.09	PASS	
5025.00†	4976.64	578.94	325.53	14712.05	7069.75	867.00	291.37	-114.02	2113.12	123.33	17.23	PASS	
5125.00†	5075.55	591.76	332.75	14721.15	7069.91	866.87	300.48	-113.81	2013.51	123.69	16.37	PASS	
5225.00†	5174.46	604.59	339.96	14730.23	7070.08	866.75	309.55	-113.58	1913.90	124.05	15.51	PASS	
5325.00†	5273.37	617.41	347.17	14739.28	7070.24	866.62	318.60	-113.32	1814.29	124.43	14.66	PASS	
5425.00†	5372.28	630.24	354.38	14748.30	7070.40	866.48	327.62	-113.04	1714.68	124.82	13.81	PASS	
5525.00†	5471.20	643.07	361.59	14757.30	7070.56	866.34	336.62	-112.72	1615.07	125.22	12.97	PASS	
5625.00†	5570.11	655.89	368.81	14766.28	7070.72	866.19	345.59	-112.37	1515.46	125.63	12.13	PASS	
5725.00†	5669.02	668.72	376.02	14775.98	7070.89	866.01	355.29	-111.94	1415.84	126.07	11.29	PASS	
5825.00†	5767.93	681.54	383.23	14785.60	7071.06	865.81	364.91	-111.45	1316.22	126.52	10.46	PASS	
5925.00†	5866.84	694.37	390.44	14795.08	7071.22	865.59	374.38	-110.90	1216.60	126.98	9.63	PASS	
6025.00†	5965.75	707.19	397.65	14804.41	7071.38	865.34	383.70	-110.26	1116.97	127.47	8.81	PASS	
6125.00†	6064.66	720.02	404.87	14813.59	7071.53	865.07	392.88	-109.52	1017.33	127.99	7.99	PASS	
6225.00†	6163.58	732.85	412.08	14822.64	7071.68	864.78	401.93	-108.64	917.69	128.55	7.17	PASS	
6325.00†	6262.49	745.67	419.29	14831.55	7071.82	864.46	410.83	-107.57	818.05	129.15	6.36	PASS	
6425.00†	6361.40	758.50	426.50	14840.33	7071.96	864.13	419.60	-106.23	718.40	129.83	5.56	PASS	
6525.00†	6460.31	771.32	433.71	14848.98	7072.09	863.78	428.24	-104.50	618.75	130.61	4.76	PASS	
6533.75	6468.97	772.45	434.34	14849.73	7072.10	863.75	428.99	-104.33	610.03	130.69	4.69	PASS	
6625.00†	6558.44	784.11	447.41	14863.72	7072.31	863.15	442.97	-142.77	519.94	131.53	3.97	PASS	
6725.00†	6653.23	796.63	476.37	14892.97	7072.78	861.88	472.18	-156.54	424.62	132.61	3.21	PASS	
6825.00†	6742.33	808.56	519.92	14936.75	7073.55	860.04	515.93	-162.82	335.21	133.73	2.51	PASS	
6925.00†	6823.57	819.61	577.00	14994.31	7074.68	857.60	573.42	-166.57	253.99	134.50	1.89	PASS	
7025.00†	6894.93	829.52	646.20	15064.65	7076.20	854.39	643.67	-169.60	182.98	133.97	1.37	PASS	
7125.00†	6954.67	838.03	725.81	15145.40	7077.64	850.45	724.31	-173.16	123.61	130.81	0.94	FAIL	
7225.00†	7001.30	844.93	813.89	15233.39	7079.42	845.39	812.14	-179.55	78.15	126.83	0.61	FAIL	
7280.00†	7020.93	847.99	865.15	15267.00	7080.20	843.38	845.68	176.73	62.56	135.88	0.46	FAIL	
7283.08†	7021.90	848.14	868.08	15267.00	7080.20	843.38	845.68	176.72	62.63	136.33	0.46	FAIL	
7325.00†	7033.68	850.07	908.25	15267.00	7080.20	843.38	845.68	176.26	78.26	127.71	0.61	FAIL	
7425.00†	7051.02	853.30	1006.58	15267.00	7080.20	843.38	845.68	171.98	163.83	105.00	1.56	PASS	
7489.77	7054.00	854.34	1071.25	15267.00	7080.20	843.38	845.68	160.76	227.35	100.99	2.26	PASS	
7525.00†	7053.85	854.68	1106.47	15267.00	7080.20	843.38	845.68	160.76	262.37	99.91	2.64	PASS	
7625.00†	7053.41	855.64	1206.47	15267.00	7080.20	843.38	845.68	160.76	361.99	98.18	3.71	PASS	
7725.00†	7052.97	856.60	1306.46	15267.00	7080.20	843.38	845.68	160.76	461.78	97.32	4.77	PASS	
7825.00†	7052.54	857.56	1406.46	15267.00	7080.20	843.38	845.68	160.76	561.64	96.82	5.84	PASS	
7925.00†	7052.10	858.52	1506.45	15267.00	7080.20	843.38	845.68	160.76	661.54	96.50	6.90	PASS	
8025.00†	7051.66	859.48	1606.45	15267.00	7080.20	843.38	845.68	160.76	761.47	96.29	7.96	PASS	
8125.00†	7051.23	860.44	1706.44	15267.00	7080.20	843.38	845.68	160.76	861.42	96.14	9.02	PASS	
8225.00†	7050.79	861.40	1806.43	15267.00	7080.20	843.38	845.68	160.76	961.38	96.03	10.08	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1755.00	1730.00	10.00	1732.42	691.22	-4982.57	668.01	-4948.60
9.625in Casing Surface	25.00	1767.00	1742.00	10.00	1744.34	691.22	-4982.57	667.82	-4948.22
8.5in Open Hole	1755.00	15267.00	13512.00	1732.42	7080.20	668.01	-4948.60	602.17	-2233.49

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1188.95	5379.50	77.54	5509.32	50.20	111.88	PASS	
125.00†	125.00	0.00	0.00	114.00	125.00	1188.95	5379.50	77.54	5509.32	50.51	111.18	PASS	
225.00†	225.00	0.00	0.00	214.00	225.00	1188.95	5379.50	77.54	5509.32	51.55	108.89	PASS	
300.00	300.00	0.00	0.00	289.00	300.00	1188.95	5379.50	77.54	5509.32	52.79	106.28	PASS	
325.00†	325.00	0.10	0.05	314.00	325.00	1188.95	5379.50	48.19	5509.25	53.29	105.26	PASS	
425.00†	424.96	2.38	1.34	413.96	424.96	1188.95	5379.50	48.24	5507.51	55.63	100.74	PASS	
525.00†	524.77	7.70	4.33	513.77	524.77	1188.95	5379.50	48.35	5503.44	58.44	95.74	PASS	
625.00†	624.30	16.05	9.03	613.30	624.30	1188.95	5379.50	48.52	5497.06	61.59	90.65	PASS	
723.07	721.54	27.18	15.28	710.54	721.54	1188.95	5379.50	48.74	5488.58	64.94	85.78	PASS	
725.00†	723.44	27.43	15.42	712.44	723.44	1188.95	5379.50	48.74	5488.40	65.01	85.68	PASS	
825.00†	822.35	40.25	22.63	811.35	822.35	1188.95	5379.50	48.86	5478.64	68.60	80.99	PASS	
925.00†	921.27	53.08	29.85	910.27	921.27	1188.95	5379.50	48.98	5468.91	72.36	76.59	PASS	
1025.00†	1020.18	65.91	37.06	1009.18	1020.18	1188.95	5379.50	49.09	5459.21	76.24	72.51	PASS	
1125.00†	1119.09	78.73	44.27	1108.09	1119.09	1188.95	5379.50	49.21	5449.52	80.23	68.73	PASS	
1225.00†	1218.00	91.56	51.48	1207.00	1218.00	1188.95	5379.50	49.32	5439.86	84.31	65.26	PASS	
1325.00†	1316.91	104.38	58.69	1305.91	1316.91	1188.95	5379.50	49.44	5430.22	88.46	62.05	PASS	
1425.00†	1415.82	117.21	65.91	1404.82	1415.82	1188.95	5379.50	49.56	5420.60	92.66	59.10	PASS	
1525.00†	1514.73	130.03	73.12	1503.73	1514.73	1188.95	5379.50	49.68	5411.01	96.91	56.38	PASS	
1625.00†	1613.65	142.86	80.33	1602.65	1613.65	1188.95	5379.50	49.79	5401.44	101.21	53.87	PASS	
1725.00†	1712.56	155.69	87.54	1701.56	1712.56	1188.95	5379.50	49.91	5391.89	105.55	51.55	PASS	
1825.00†	1811.47	168.51	94.75	1800.47	1811.47	1188.95	5379.50	50.03	5382.37	109.60	49.42	PASS	
1925.00†	1910.38	181.34	101.97	1899.38	1910.38	1188.95	5379.50	50.15	5372.87	113.87	47.47	PASS	
2025.00†	2009.29	194.16	109.18	1998.29	2009.29	1188.95	5379.50	50.27	5363.39	118.17	45.66	PASS	
2125.00†	2108.20	206.99	116.39	2097.20	2108.20	1188.95	5379.50	50.39	5353.93	122.49	43.96	PASS	
2225.00†	2207.12	219.81	123.60	2196.12	2207.12	1188.95	5379.50	50.51	5344.50	126.84	42.37	PASS	
2325.00†	2306.03	232.64	130.81	2295.03	2306.03	1188.95	5379.50	50.63	5335.10	131.22	40.87	PASS	
2425.00†	2404.94	245.47	138.02	2393.94	2404.94	1188.95	5379.50	50.76	5325.72	135.62	39.47	PASS	
2525.00†	2503.85	258.29	145.24	2492.85	2503.85	1188.95	5379.50	50.88	5316.36	140.03	38.15	PASS	
2625.00†	2602.76	271.12	152.45	2591.76	2602.76	1188.95	5379.50	51.00	5307.03	144.47	36.91	PASS	
2725.00†	2701.67	283.94	159.66	2690.67	2701.67	1188.95	5379.50	51.12	5297.72	148.92	35.74	PASS	
2825.00†	2800.58	296.77	166.87	2789.58	2800.58	1188.95	5379.50	51.25	5288.43	153.40	34.63	PASS	
2925.00†	2899.50	309.59	174.08	2888.50	2899.50	1188.95	5379.50	51.37	5279.17	157.89	33.58	PASS	
3025.00†	2998.41	322.42	181.30	2987.41	2998.41	1188.95	5379.50	51.49	5269.94	162.39	32.59	PASS	
3125.00†	3097.32	335.25	188.51	3086.32	3097.32	1188.95	5379.50	51.62	5260.73	166.91	31.65	PASS	
3225.00†	3196.23	348.07	195.72	3185.23	3196.23	1188.95	5379.50	51.74	5251.54	171.45	30.75	PASS	
3325.00†	3295.14	360.90	202.93	3284.14	3295.14	1188.95	5379.50	51.87	5242.38	176.00	29.90	PASS	
3425.00†	3394.05	373.72	210.14	3383.05	3394.05	1188.95	5379.50	51.99	5233.25	180.56	29.09	PASS	
3525.00†	3492.97	386.55	217.36	3481.97	3492.97	1188.95	5379.50	52.12	5224.14	185.14	28.32	PASS	
3625.00†	3591.88	399.38	224.57	3580.88	3591.88	1188.95	5379.50	52.25	5215.05	189.72	27.59	PASS	
3725.00†	3690.79	412.20	231.78	3679.79	3690.79	1188.95	5379.50	52.37	5206.00	194.33	26.88	PASS	
3825.00†	3789.70	425.03	238.99	3778.70	3789.70	1188.95	5379.50	52.50	5196.96	198.94	26.21	PASS	
3925.00†	3888.61	437.85	246.20	3877.61	3888.61	1188.95	5379.50	52.63	5187.96	203.56	25.57	PASS	
4025.00†	3987.52	450.68	253.42	3976.52	3987.52	1188.95	5379.50	52.76	5178.98	208.20	24.96	PASS	
4125.00†	4086.43	463.50	260.63	4075.43	4086.43	1188.95	5379.50	52.89	5170.03	212.84	24.37	PASS	
4225.00†	4185.35	476.33	267.84	4174.35	4185.35	1188.95	5379.50	53.02	5161.10	217.50	23.80	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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
4325.00†	4284.26	489.16	275.05	4273.26	4284.26	1188.95	5379.50	53.15	5152.20	222.16	23.26	PASS
4425.00†	4383.17	501.98	282.26	4372.17	4383.17	1188.95	5379.50	53.28	5143.32	226.84	22.74	PASS
4525.00†	4482.08	514.81	289.47	4471.08	4482.08	1188.95	5379.50	53.41	5134.48	231.52	22.24	PASS
4625.00†	4580.99	527.63	296.69	4569.99	4580.99	1188.95	5379.50	53.54	5125.66	236.22	21.76	PASS
4725.00†	4679.90	540.46	303.90	4668.90	4679.90	1188.95	5379.50	53.67	5116.87	240.92	21.30	PASS
4825.00†	4778.82	553.28	311.11	4767.82	4778.82	1188.95	5379.50	53.80	5108.10	245.63	20.85	PASS
4925.00†	4877.73	566.11	318.32	4866.73	4877.73	1188.95	5379.50	53.93	5099.36	250.35	20.42	PASS
5025.00†	4976.64	578.94	325.53	4965.64	4976.64	1188.95	5379.50	54.07	5090.65	255.07	20.01	PASS
5125.00†	5075.55	591.76	332.75	5064.55	5075.55	1188.95	5379.50	54.20	5081.97	259.81	19.61	PASS
5225.00†	5174.46	604.59	339.96	5163.46	5174.46	1188.95	5379.50	54.33	5073.31	264.55	19.23	PASS
5325.00†	5273.37	617.41	347.17	5262.37	5273.37	1188.95	5379.50	54.47	5064.69	269.30	18.85	PASS
5425.00†	5372.28	630.24	354.38	5361.28	5372.28	1188.95	5379.50	54.60	5056.09	274.05	18.49	PASS
5525.00†	5471.20	643.07	361.59	5460.20	5471.20	1188.95	5379.50	54.74	5047.52	278.81	18.15	PASS
5625.00†	5570.11	655.89	368.81	5559.11	5570.11	1188.95	5379.50	54.87	5038.97	283.58	17.81	PASS
5725.00†	5669.02	668.72	376.02	5658.02	5669.02	1188.95	5379.50	55.01	5030.46	288.36	17.49	PASS
5825.00†	5767.93	681.54	383.23	5756.93	5767.93	1188.95	5379.50	55.15	5021.97	293.14	17.17	PASS
5925.00†	5866.84	694.37	390.44	5855.84	5866.84	1188.95	5379.50	55.28	5013.52	297.92	16.87	PASS
6025.00†	5965.75	707.19	397.65	5954.75	5965.75	1188.95	5379.50	55.42	5005.09	302.71	16.57	PASS
6125.00†	6064.66	720.02	404.87	6053.66	6064.66	1188.95	5379.50	55.56	4996.69	307.51	16.28	PASS
6225.00†	6163.58	732.85	412.08	6152.58	6163.58	1188.95	5379.50	55.70	4988.32	312.31	16.01	PASS
6325.00†	6262.49	745.67	419.29	6251.49	6262.49	1188.95	5379.50	55.84	4979.98	317.12	15.74	PASS
6425.00†	6361.40	758.50	426.50	6350.40	6361.40	1188.95	5379.50	55.98	4971.67	321.93	15.48	PASS
6525.00†	6460.31	771.32	433.71	6449.31	6460.31	1188.95	5379.50	56.12	4963.39	326.75	15.22	PASS
6533.75	6468.97	772.45	434.34	6457.97	6468.97	1188.95	5379.50	56.13	4962.67	327.17	15.20	PASS
6625.00†	6558.44	784.11	447.41	6547.44	6558.44	1188.95	5379.50	56.75	4948.68	331.69	14.95	PASS
6725.00†	6653.23	796.63	476.37	6642.23	6653.23	1188.95	5379.50	57.17	4918.81	337.04	14.62	PASS
6825.00†	6742.33	808.56	519.92	6731.33	6742.33	1188.95	5379.50	9.79	4874.45	342.11	14.28	PASS
6925.00†	6823.57	819.61	577.00	6812.57	6823.57	1188.95	5379.50	6.55	4816.69	346.67	13.92	PASS
7025.00†	6894.93	829.52	646.20	6883.93	6894.93	1188.95	5379.50	4.12	4746.94	350.61	13.56	PASS
7125.00†	6954.67	838.03	725.81	6943.67	6954.67	1188.95	5379.50	1.76	4666.90	353.85	13.21	PASS
7225.00†	7001.30	844.93	813.89	6990.30	7001.30	1188.95	5379.50	-1.34	4578.56	356.32	12.87	PASS
7325.00†	7033.68	850.07	908.25	7022.68	7033.68	1188.95	5379.50	-7.36	4484.08	357.99	12.55	PASS
7425.00†	7051.02	853.30	1006.58	7040.02	7051.02	1188.95	5379.50	-29.26	4385.79	358.86	12.24	PASS
7489.77	7054.00	854.34	1071.25	7043.00	7054.00	1188.95	5379.50	-93.67	4321.23	359.00	12.06	PASS
7525.00†	7053.85	854.68	1106.47	7042.85	7053.85	1188.95	5379.50	-93.64	4286.08	358.99	11.96	PASS
7625.00†	7053.41	855.64	1206.47	7042.41	7053.41	1188.95	5379.50	-93.56	4186.33	358.96	11.68	PASS
7725.00†	7052.97	856.60	1306.46	7041.97	7052.97	1188.95	5379.50	-93.47	4086.58	358.93	11.41	PASS
7825.00†	7052.54	857.56	1406.46	7041.54	7052.54	1188.95	5379.50	-93.39	3986.84	358.90	11.13	PASS
7925.00†	7052.10	858.52	1506.45	7041.10	7052.10	1188.95	5379.50	-93.30	3887.12	358.88	10.85	PASS
8025.00†	7051.66	859.48	1606.45	7040.66	7051.66	1188.95	5379.50	-93.22	3787.42	358.86	10.57	PASS
8125.00†	7051.23	860.44	1706.44	7040.23	7051.23	1188.95	5379.50	-93.13	3687.72	358.85	10.29	PASS
8225.00†	7050.79	861.40	1806.43	7039.79	7050.79	1188.95	5379.50	-93.05	3588.05	358.84	10.02	PASS
8325.00†	7050.36	862.36	1906.43	7039.36	7050.36	1188.95	5379.50	-92.96	3488.40	358.85	9.74	PASS
8425.00†	7049.92	863.32	2006.42	7038.92	7049.92	1188.95	5379.50	-92.88	3388.76	358.86	9.46	PASS
8525.00†	7049.48	864.28	2106.42	7038.48	7049.48	1188.95	5379.50	-92.79	3289.15	358.88	9.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#01 EX. BARNEY 3 (460'FSL & 1789'FWL, AB/CODL) Well: EX. BARNEY 3 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	7038.05	7049.05	1188.95	5379.50	-92.71	3189.56	358.91	8.90	PASS	
8725.00†	7048.61	866.20	2306.41	7037.61	7048.61	1188.95	5379.50	-92.62	3090.00	358.95	8.62	PASS	
8825.00†	7048.17	867.16	2406.40	7037.17	7048.17	1188.95	5379.50	-92.54	2990.47	359.01	8.34	PASS	
8925.00†	7047.74	868.12	2506.40	7036.74	7047.74	1188.95	5379.50	-92.45	2890.97	359.09	8.06	PASS	
9025.00†	7047.30	869.08	2606.39	7036.30	7047.30	1188.95	5379.50	-92.37	2791.50	359.18	7.79	PASS	
9125.00†	7046.86	870.04	2706.38	7035.86	7046.86	1188.95	5379.50	-92.28	2692.07	359.31	7.51	PASS	
9225.00†	7046.43	871.00	2806.38	7035.43	7046.43	1188.95	5379.50	-92.20	2592.69	359.46	7.23	PASS	
9325.00†	7045.99	871.96	2906.37	7034.99	7045.99	1188.95	5379.50	-92.11	2493.36	359.64	6.94	PASS	
9425.00†	7045.56	872.92	3006.37	7034.56	7045.56	1188.95	5379.50	-92.03	2394.09	359.87	6.66	PASS	
9525.00†	7045.12	873.88	3106.36	7034.12	7045.12	1188.95	5379.50	-91.94	2294.87	360.14	6.38	PASS	
9625.00†	7044.68	874.84	3206.36	7033.68	7044.68	1188.95	5379.50	-91.86	2195.73	360.48	6.10	PASS	
9725.00†	7044.25	875.80	3306.35	7033.25	7044.25	1188.95	5379.50	-91.77	2096.67	360.89	5.82	PASS	
9825.00†	7043.81	876.76	3406.35	7032.81	7043.81	1188.95	5379.50	-91.68	1997.70	361.38	5.54	PASS	
9925.00†	7043.37	877.72	3506.34	7032.37	7043.37	1188.95	5379.50	-91.60	1898.84	361.98	5.25	PASS	
10025.00†	7042.94	878.68	3606.33	7031.94	7042.94	1188.95	5379.50	-91.51	1800.11	362.71	4.97	PASS	
10125.00†	7042.50	879.64	3706.33	7031.50	7042.50	1188.95	5379.50	-91.43	1701.52	363.61	4.69	PASS	
10225.00†	7042.07	880.60	3806.32	7031.07	7042.07	1188.95	5379.50	-91.34	1603.11	364.70	4.40	PASS	
10325.00†	7041.63	881.56	3906.32	7030.63	7041.63	1188.95	5379.50	-91.26	1504.91	366.05	4.12	PASS	
10425.00†	7041.19	882.52	4006.31	7030.19	7041.19	1188.95	5379.50	-91.17	1406.97	367.71	3.83	PASS	
10525.00†	7040.76	883.48	4106.31	7029.76	7040.76	1188.95	5379.50	-91.09	1309.33	369.77	3.55	PASS	
10625.00†	7040.32	884.44	4206.30	7029.32	7040.32	1188.95	5379.50	-91.00	1212.08	372.33	3.26	PASS	
10725.00†	7039.88	885.40	4306.30	7028.88	7039.88	1188.95	5379.50	-90.92	1115.31	375.56	2.97	PASS	
10825.00†	7039.45	886.36	4406.29	7028.45	7039.45	1188.95	5379.50	-90.83	1019.17	379.63	2.69	PASS	
10925.00†	7039.01	887.32	4506.28	7028.01	7039.01	1188.95	5379.50	-90.75	923.85	384.82	2.40	PASS	
11025.00†	7038.57	888.28	4606.28	7027.57	7038.57	1188.95	5379.50	-90.66	829.62	391.50	2.12	PASS	
11125.00†	7038.14	889.24	4706.27	7027.14	7038.14	1188.95	5379.50	-90.58	736.93	400.17	1.84	PASS	
11225.00†	7037.70	890.20	4806.27	7026.70	7037.70	1188.95	5379.50	-90.49	646.41	411.57	1.57	PASS	
11325.00†	7037.27	891.16	4906.26	7026.27	7037.27	1188.95	5379.50	-90.41	559.14	426.67	1.31	PASS	
11425.00†	7036.83	892.12	5006.26	7025.83	7036.83	1188.95	5379.50	-90.32	476.89	446.74	1.07	PASS	
11525.00†	7036.39	893.08	5106.25	7025.39	7036.39	1188.95	5379.50	-90.24	402.75	472.83	0.85	FAIL	
11625.00†	7035.96	894.04	5206.25	7024.96	7035.96	1188.95	5379.50	-90.15	342.04	504.05	0.68	FAIL	
11725.00†	7035.52	895.00	5306.24	7024.52	7035.52	1188.95	5379.50	-90.07	302.94	533.21	0.57	FAIL	
11801.24†	7035.19	895.73	5382.48	7023.70	7034.70	1188.95	5379.50	-89.90	293.23	544.94	0.54	FAIL	
11808.20†	7035.16	895.80	5389.43	7024.16	7035.16	1188.95	5379.50	-89.99	293.32	545.33	0.54	FAIL	
11825.00†	7035.08	895.96	5406.23	7024.08	7035.08	1188.95	5379.50	-89.98	294.20	545.73	0.54	FAIL	
11925.00†	7034.65	896.92	5506.23	7023.65	7034.65	1188.95	5379.50	-89.89	318.34	534.79	0.59	FAIL	
12025.00†	7034.21	897.88	5606.22	7023.21	7034.21	1188.95	5379.50	-89.81	368.95	511.07	0.72	FAIL	
12125.00†	7033.78	898.84	5706.22	7022.78	7033.78	1188.95	5379.50	-89.72	436.93	486.57	0.90	FAIL	
12225.00†	7033.34	899.80	5806.21	7022.34	7033.34	1188.95	5379.50	-89.64	515.45	465.95	1.11	PASS	
12325.00†	7032.90	900.76	5906.21	7021.90	7032.90	1188.95	5379.50	-89.55	600.39	449.67	1.34	PASS	
12425.00†	7032.47	901.72	6006.20	7021.47	7032.47	1188.95	5379.50	-89.47	689.38	436.97	1.58	PASS	
12525.00†	7032.03	902.68	6106.20	7021.03	7032.03	1188.95	5379.50	-89.38	781.04	426.99	1.83	PASS	
12625.00†	7031.59	903.64	6206.19	7020.59	7031.59	1188.95	5379.50	-89.30	874.53	419.06	2.09	PASS	
12725.00†	7031.16	904.60	6306.18	7020.16	7031.16	1188.95	5379.50	-89.21	969.32	412.66	2.35	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	120.22	1.56	198.77	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-120.22	0.00	180.00	120.22	1.89	129.13	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-120.22	0.00	180.00	120.22	2.46	79.80	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-120.22	0.00	180.00	120.22	2.90	61.43	PASS	
325.00†	325.00	0.10	0.05	325.52	325.52	-120.17	-0.10	150.72	120.27	3.06	57.03	PASS	
425.00†	424.96	2.38	1.34	427.48	427.44	-118.84	-2.48	152.45	121.30	3.97	40.09	PASS	
525.00†	524.77	7.70	4.33	528.97	528.73	-115.77	-7.99	156.34	124.14	5.30	28.40	PASS	
625.00†	624.30	16.05	9.03	629.60	628.88	-110.99	-16.54	161.99	129.67	6.40	23.68	PASS	
723.07	721.54	27.18	15.28	727.13	725.55	-104.74	-27.75	168.65	138.82	7.40	21.41	PASS	
725.00†	723.44	27.43	15.42	729.03	727.43	-104.60	-28.00	168.79	139.04	7.42	21.37	PASS	
825.00†	822.35	40.25	22.63	827.09	824.15	-96.73	-42.09	175.91	151.52	8.11	21.08	PASS	
925.00†	921.27	53.08	29.85	924.51	920.10	-88.53	-56.80	177.86	166.02	8.87	20.88	PASS	
1025.00†	1020.18	65.91	37.06	1021.92	1016.05	-80.32	-71.50	172.66	182.17	9.67	20.81	PASS	
1125.00†	1119.09	78.73	44.27	1119.34	1111.99	-72.12	-86.20	168.31	199.57	10.49	20.85	PASS	
1225.00†	1218.00	91.56	51.48	1216.75	1207.94	-63.91	-100.91	164.66	217.93	11.34	20.91	PASS	
1325.00†	1316.91	104.38	58.69	1314.16	1303.89	-55.71	-115.61	161.58	237.03	12.16	21.08	PASS	
1425.00†	1415.82	117.21	65.91	1411.58	1399.84	-47.50	-130.31	158.96	256.69	13.04	21.18	PASS	
1525.00†	1514.73	130.03	73.12	1508.99	1495.79	-39.30	-145.02	156.71	276.80	13.91	21.31	PASS	
1625.00†	1613.65	142.86	80.33	1606.41	1591.74	-31.09	-159.72	154.77	297.26	14.79	21.44	PASS	
1725.00†	1712.56	155.69	87.54	1703.82	1687.68	-22.89	-174.43	153.08	318.02	15.67	21.55	PASS	
1825.00†	1811.47	168.51	94.75	1801.24	1783.63	-14.68	-189.13	151.59	339.00	15.94	22.20	PASS	
1925.00†	1910.38	181.34	101.97	1898.65	1879.58	-6.48	-203.83	150.28	360.19	16.09	23.38	PASS	
2025.00†	2009.29	194.16	109.18	1996.07	1975.53	1.73	-218.54	149.11	381.53	16.24	24.52	PASS	
2125.00†	2108.20	206.99	116.39	2093.48	2071.48	9.93	-233.24	148.07	403.01	16.47	25.53	PASS	
2225.00†	2207.12	219.81	123.60	2190.90	2167.43	18.14	-247.94	147.13	424.61	16.77	26.39	PASS	
2325.00†	2306.03	232.64	130.81	2288.31	2263.37	26.34	-262.65	146.28	446.30	17.14	27.12	PASS	
2425.00†	2404.94	245.47	138.02	2385.72	2359.32	34.55	-277.35	145.51	468.08	17.57	27.72	PASS	
2525.00†	2503.85	258.29	145.24	2483.14	2455.27	42.75	-292.05	144.81	489.94	18.06	28.20	PASS	
2625.00†	2602.76	271.12	152.45	2580.55	2551.22	50.96	-306.76	144.17	511.86	18.60	28.57	PASS	
2725.00†	2701.67	283.94	159.66	2677.97	2647.17	59.16	-321.46	143.58	533.83	19.19	28.84	PASS	
2825.00†	2800.58	296.77	166.87	2775.38	2743.11	67.37	-336.16	143.03	555.85	19.83	29.03	PASS	
2925.00†	2899.50	309.59	174.08	2872.80	2839.06	75.57	-350.87	142.53	577.92	20.51	29.16	PASS	
3025.00†	2998.41	322.42	181.30	2970.21	2935.01	83.78	-365.57	142.07	600.03	21.22	29.22	PASS	
3125.00†	3097.32	335.25	188.51	3067.63	3030.96	91.98	-380.27	141.64	622.17	21.96	29.24	PASS	
3225.00†	3196.23	348.07	195.72	3165.04	3126.91	100.19	-394.98	141.24	644.34	22.74	29.22	PASS	
3325.00†	3295.14	360.90	202.93	3262.45	3222.86	108.40	-409.68	140.86	666.54	23.54	29.17	PASS	
3425.00†	3394.05	373.72	210.14	3359.87	3318.80	116.60	-424.38	140.51	688.77	24.36	29.09	PASS	
3525.00†	3492.97	386.55	217.36	3457.28	3414.75	124.81	-439.09	140.18	711.02	25.20	29.00	PASS	
3625.00†	3591.88	399.38	224.57	3554.70	3510.70	133.01	-453.79	139.87	733.29	26.06	28.89	PASS	
3725.00†	3690.79	412.20	231.78	3652.11	3606.65	141.22	-468.50	139.58	755.58	26.94	28.77	PASS	
3825.00†	3789.70	425.03	238.99	3749.53	3702.60	149.42	-483.20	139.31	777.88	27.84	28.65	PASS	
3925.00†	3888.61	437.85	246.20	3846.94	3798.55	157.63	-497.90	139.05	800.21	28.75	28.51	PASS	
4025.00†	3987.52	450.68	253.42	3944.36	3894.49	165.83	-512.61	138.80	822.55	29.67	28.38	PASS	
4125.00†	4086.43	463.50	260.63	4041.77	3990.44	174.04	-527.31	138.57	844.90	30.60	28.24	PASS	
4225.00†	4185.35	476.33	267.84	4139.19	4086.39	182.24	-542.01	138.35	867.26	31.55	28.10	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 40N-23C-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°FNL, 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		
4325.00†	4284.26	489.16	275.05	4236.60	4182.34	190.45	-556.72	-138.14	889.64	32.50	27.96	PASS		
4425.00†	4383.17	501.98	282.26	4334.01	4278.29	198.65	-571.42	-137.94	912.02	33.46	27.82	PASS		
4525.00†	4482.08	514.81	289.47	4431.43	4374.24	206.86	-586.12	-137.75	934.42	34.43	27.69	PASS		
4625.00†	4580.99	527.63	296.69	4528.84	4470.18	215.06	-600.83	-137.57	956.82	35.41	27.55	PASS		
4725.00†	4679.90	540.46	303.90	4626.26	4566.13	223.27	-615.53	-137.40	979.24	36.39	27.42	PASS		
4825.00†	4778.82	553.28	311.11	4723.67	4662.08	231.47	-630.23	-137.24	1001.66	37.38	27.29	PASS		
4925.00†	4877.73	566.11	318.32	4821.09	4758.03	239.68	-644.94	-137.08	1024.09	38.38	27.17	PASS		
5025.00†	4976.64	578.94	325.53	4918.50	4853.98	247.88	-659.64	-136.93	1046.52	39.38	27.04	PASS		
5125.00†	5075.55	591.76	332.75	5015.92	4949.92	256.09	-674.34	-136.78	1068.97	40.39	26.92	PASS		
5225.00†	5174.46	604.59	339.96	5113.33	5045.87	264.29	-689.05	-136.65	1091.42	41.40	26.81	PASS		
5325.00†	5273.37	617.41	347.17	5210.74	5141.82	272.50	-703.75	-136.51	1113.87	42.41	26.69	PASS		
5425.00†	5372.28	630.24	354.38	5308.16	5237.77	280.70	-718.45	-136.39	1136.33	43.43	26.58	PASS		
5525.00†	5471.20	643.07	361.59	5405.57	5333.72	288.91	-733.16	-136.26	1158.80	44.45	26.48	PASS		
5625.00†	5570.11	655.89	368.81	5502.99	5429.67	297.11	-747.86	-136.14	1181.27	45.48	26.37	PASS		
5725.00†	5669.02	668.72	376.02	5600.40	5525.61	305.32	-762.57	-136.03	1203.74	46.50	26.27	PASS		
5825.00†	5767.93	681.54	383.23	5697.82	5621.56	313.52	-777.27	-135.92	1226.22	47.54	26.17	PASS		
5925.00†	5866.84	694.37	390.44	5795.23	5717.51	321.73	-791.97	-135.82	1248.70	48.57	26.08	PASS		
6025.00†	5965.75	707.19	397.65	5892.64	5813.46	329.94	-806.67	-135.72	1271.18	49.60	25.98	PASS		
6125.00†	6064.66	720.02	404.87	5990.05	5909.41	338.15	-821.37	-135.62	1293.66	50.63	25.88	PASS		
6225.00†	6163.58	732.85	412.08	6087.46	6029.36	346.36	-836.07	-135.52	1316.13	51.66	25.78	PASS		
6325.00†	6262.49	745.67	419.29	6184.87	6124.31	354.57	-850.77	-135.42	1338.60	52.69	25.68	PASS		
6425.00†	6361.40	758.50	426.50	6282.28	6197.26	362.78	-865.47	-135.32	1361.07	53.72	25.58	PASS		
6525.00†	6460.31	771.32	433.71	6379.69	6293.21	370.99	-880.17	-135.22	1383.54	54.75	25.48	PASS		
6533.75	6468.97	772.45	434.34	6384.98	6300.62	372.20	-883.48	-135.20	1387.85	54.90	25.47	PASS		
6625.00†	6558.44	784.11	447.41	6482.10	6392.62	380.41	-898.18	-135.10	1410.32	55.93	25.37	PASS		
6725.00†	6657.33	796.63	456.37	6579.01	6484.55	388.62	-912.88	-134.99	1432.79	56.96	25.27	PASS		
6825.00†	6742.33	808.56	519.92	6664.15	6570.43	396.83	-927.58	-134.89	1455.26	57.99	25.17	PASS		
6925.00†	6823.57	819.61	577.00	6745.11	6651.06	405.04	-942.28	-134.79	1477.73	59.02	25.07	PASS		
7025.00†	6894.93	829.52	646.20	6826.13	6731.99	413.25	-956.98	-134.69	1500.20	60.05	24.97	PASS		
7125.00†	6954.67	838.03	725.81	6905.73	6813.90	421.46	-971.68	-134.59	1522.67	61.08	24.87	PASS		
7225.00†	7001.30	844.93	813.89	6983.73	6895.80	429.67	-986.38	-134.49	1545.14	62.11	24.77	PASS		
7325.00†	7033.68	850.07	908.25	7068.04	6978.34	437.88	-1001.08	-134.39	1567.61	63.14	24.67	PASS		
7425.00†	7051.02	853.30	1006.58	7156.34	7060.59	446.09	-1015.78	-134.29	1590.08	64.17	24.57	PASS		
7489.77	7054.00	854.34	1071.25	7159.00	7063.52	448.25	-1019.03	-134.28	1595.33	64.40	24.56	PASS		
7525.00†	7053.85	854.68	1106.47	7158.23	7063.48	448.79	-1105.42	-134.17	1617.80	65.43	24.46	PASS		
7625.00†	7053.41	855.64	1206.47	7153.22	7058.50	456.50	-1205.41	-134.07	1640.27	66.46	24.36	PASS		
7725.00†	7052.97	856.60	1306.46	7148.21	7053.26	464.71	-1305.40	-133.97	1662.74	67.49	24.26	PASS		
7825.00†	7052.54	857.56	1406.46	7143.21	7048.25	472.92	-1405.39	-133.87	1685.21	68.52	24.16	PASS		
7925.00†	7052.10	858.52	1506.45	7138.20	7043.24	481.13	-1505.38	-133.77	1707.68	69.55	24.06	PASS		
8025.00†	7051.66	859.48	1606.45	7133.19	7038.23	489.34	-1605.37	-133.67	1730.15	70.58	23.96	PASS		
8125.00†	7051.23	860.44	1706.44	7128.18	7033.22	497.55	-1705.36	-133.57	1752.62	71.61	23.86	PASS		
8225.00†	7050.79	861.40	1806.43	7123.17	7028.21	505.76	-1805.36	-133.47	1775.09	72.64	23.76	PASS		
8325.00†	7050.36	862.36	1906.43	7118.16	7023.20	513.97	-1905.35	-133.37	1797.56	73.67	23.66	PASS		
8425.00†	7049.92	863.32	2006.42	7113.16	7018.19	522.18	-2005.34	-133.27	1820.03	74.70	23.56	PASS		
8525.00†	7049.48	864.28	2106.42	7108.15	7013.18	530.39	-2105.33	-133.17	1842.50	75.73	23.46	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8625.00†	7049.05	865.24	2206.41	10086.14	7152.26	435.70	2205.32	103.51	441.77	227.91	1.94	PASS	
8725.00†	7048.61	866.20	2306.41	10186.13	7152.15	435.42	2305.31	103.51	443.06	236.45	1.88	PASS	
8825.00†	7048.17	867.16	2406.40	10286.12	7152.04	435.14	2405.30	103.52	444.34	245.03	1.82	PASS	
8925.00†	7047.74	868.12	2506.40	10386.11	7151.93	434.86	2505.30	103.52	445.62	253.64	1.76	PASS	
9025.00†	7047.30	869.08	2606.39	10486.11	7151.82	434.58	2605.29	103.52	446.90	262.29	1.71	PASS	
9125.00†	7046.86	870.04	2706.38	10586.10	7151.71	434.29	2705.28	103.53	448.18	270.96	1.66	PASS	
9225.00†	7046.43	871.00	2806.38	10686.09	7151.60	434.01	2805.27	103.53	449.47	279.66	1.61	PASS	
9325.00†	7045.99	871.96	2906.37	10786.08	7151.49	433.73	2905.26	103.53	450.75	288.38	1.56	PASS	
9425.00†	7045.56	872.92	3006.37	10886.07	7151.38	433.45	3005.25	103.54	452.03	297.12	1.52	PASS	
9525.00†	7045.12	873.88	3106.36	10986.07	7151.27	433.17	3105.24	103.54	453.31	305.87	1.48	PASS	
9625.00†	7044.68	874.84	3206.36	11086.06	7151.16	432.89	3205.23	103.54	454.60	314.64	1.45	PASS	
9725.00†	7044.25	875.80	3306.35	11186.05	7151.05	432.61	3305.23	103.55	455.88	323.43	1.41	PASS	
9825.00†	7043.81	876.76	3406.35	11286.04	7150.94	432.33	3405.22	103.55	457.16	332.23	1.38	PASS	
9925.00†	7043.37	877.72	3506.34	11386.03	7150.83	432.05	3505.21	103.55	458.44	341.04	1.34	PASS	
10025.00†	7042.94	878.68	3606.33	11486.02	7150.72	431.77	3605.20	103.56	459.73	349.86	1.31	PASS	
10125.00†	7042.50	879.64	3706.33	11586.02	7150.61	431.49	3705.19	103.56	461.01	358.69	1.29	PASS	
10225.00†	7042.07	880.60	3806.32	11686.01	7150.50	431.21	3805.18	103.56	462.29	367.53	1.26	PASS	
10325.00†	7041.63	881.56	3906.32	11786.00	7150.39	430.93	3905.17	103.57	463.57	376.38	1.23	PASS	
10425.00†	7041.19	882.52	4006.31	11885.99	7150.28	430.65	4005.16	103.57	464.86	385.24	1.21	PASS	
10525.00†	7040.76	883.48	4106.31	11985.98	7150.17	430.37	4105.16	103.57	466.14	394.11	1.18	PASS	
10625.00†	7040.32	884.44	4206.30	12085.97	7150.05	430.09	4205.15	103.58	467.42	402.98	1.16	PASS	
10725.00†	7039.88	885.40	4306.30	12185.97	7149.94	429.80	4305.14	103.58	468.70	411.86	1.14	PASS	
10825.00†	7039.45	886.36	4406.29	12285.96	7149.83	429.52	4405.13	103.58	469.98	420.74	1.12	PASS	
10925.00†	7039.01	887.32	4506.28	12385.95	7149.72	429.24	4505.12	103.59	471.27	429.63	1.10	PASS	
11025.00†	7038.57	888.28	4606.28	12485.94	7149.61	428.96	4605.11	103.59	472.55	438.52	1.08	PASS	
11125.00†	7038.14	889.24	4706.27	12585.93	7149.50	428.68	4705.10	103.59	473.83	447.42	1.06	PASS	
11225.00†	7037.70	890.20	4806.27	12685.93	7149.39	428.40	4805.10	103.59	475.11	456.32	1.04	PASS	
11325.00†	7037.27	891.16	4906.26	12785.92	7149.28	428.12	4905.09	103.60	476.40	465.23	1.02	PASS	
11425.00†	7036.83	892.12	5006.26	12885.91	7149.17	427.84	5005.08	103.60	477.68	474.14	1.01	PASS	
11525.00†	7036.39	893.08	5106.25	12985.90	7149.06	427.56	5105.07	103.60	478.96	483.06	0.99	FAIL	
11625.00†	7035.96	894.04	5206.25	13085.89	7148.95	427.28	5205.06	103.61	480.24	491.97	0.98	FAIL	
11725.00†	7035.52	895.00	5306.24	13185.88	7148.84	427.00	5305.05	103.61	481.53	500.89	0.96	FAIL	
11825.00†	7035.08	895.96	5406.23	13285.88	7148.73	426.72	5405.04	103.61	482.81	509.82	0.95	FAIL	
11925.00†	7034.65	896.92	5506.23	13385.87	7148.62	426.44	5505.03	103.62	484.09	518.75	0.93	FAIL	
12025.00†	7034.21	897.88	5606.22	13485.86	7148.51	426.16	5605.03	103.62	485.37	527.68	0.92	FAIL	
12125.00†	7033.78	898.84	5706.22	13585.85	7148.40	425.88	5705.02	103.62	486.66	536.61	0.91	FAIL	
12225.00†	7033.34	899.80	5806.21	13685.84	7148.29	425.60	5805.01	103.62	487.94	545.54	0.89	FAIL	
12325.00†	7032.90	900.76	5906.21	13785.84	7148.18	425.31	5905.00	103.63	489.22	554.48	0.88	FAIL	
12425.00†	7032.47	901.72	6006.20	13885.83	7148.07	425.03	6004.99	103.63	490.50	563.42	0.87	FAIL	
12525.00†	7032.03	902.68	6106.20	13985.82	7147.96	424.75	6104.98	103.63	491.79	572.36	0.86	FAIL	
12625.00†	7031.59	903.64	6206.19	14085.81	7147.85	424.47	6204.97	103.64	493.07	581.30	0.85	FAIL	
12725.00†	7031.16	904.60	6306.18	14185.80	7147.73	424.19	6304.97	103.64	494.35	590.25	0.84	FAIL	
12789.77	7030.87	905.22	6370.95	14250.57	7147.66	424.01	6369.73	103.64	495.18	596.04	0.83	FAIL	
12825.00†	7030.72	905.34	6406.18	14285.80	7147.62	423.91	6404.96	103.65	495.42	599.18	0.83	FAIL	
12913.21	7030.34	903.75	6494.37	14373.99	7147.53	423.66	6493.16	103.73	494.18	606.93	0.81	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	14385.78	7147.51	423.63	6504.94	103.75	493.84	607.96	0.81	FAIL	
13025.00†	7029.85	900.00	6606.10	14485.73	7147.40	423.35	6604.89	103.87	490.93	616.64	0.80	FAIL	
13125.00†	7029.42	896.65	6706.04	14585.68	7147.29	423.07	6704.84	103.99	488.03	625.31	0.78	FAIL	
13225.00†	7028.99	893.31	6805.98	14685.63	7147.18	422.79	6804.79	104.12	485.14	633.96	0.76	FAIL	
13325.00†	7028.55	889.96	6905.93	14785.59	7147.07	422.51	6904.75	104.24	482.24	642.60	0.75	FAIL	
13425.00†	7028.12	886.61	7005.87	14885.54	7146.96	422.23	7004.70	104.37	479.35	651.23	0.74	FAIL	
13525.00†	7027.68	883.26	7105.81	14985.49	7146.85	421.95	7104.65	104.50	476.46	659.84	0.72	FAIL	
13625.00†	7027.25	879.91	7205.76	15085.44	7146.74	421.67	7204.60	104.63	473.57	668.44	0.71	FAIL	
13725.00†	7026.82	876.56	7305.70	15185.40	7146.63	421.39	7304.55	104.76	470.68	677.02	0.69	FAIL	
13825.00†	7026.38	873.22	7405.64	15285.35	7146.52	421.11	7404.51	104.90	467.80	685.59	0.68	FAIL	
13925.00†	7025.95	869.87	7505.58	15385.30	7146.41	420.83	7504.46	105.03	464.92	694.13	0.67	FAIL	
14025.00†	7025.52	866.52	7605.53	15485.25	7146.30	420.55	7604.41	105.17	462.04	702.66	0.66	FAIL	
14125.00†	7025.08	863.17	7705.47	15585.20	7146.19	420.26	7704.36	105.31	459.17	711.17	0.65	FAIL	
14225.00†	7024.65	859.82	7805.41	15685.16	7146.08	419.98	7804.31	105.45	456.29	719.67	0.63	FAIL	
14325.00†	7024.22	856.47	7905.36	15785.11	7145.97	419.70	7904.27	105.59	453.42	728.14	0.62	FAIL	
14425.00†	7023.78	853.13	8005.30	15885.06	7145.86	419.42	8004.22	105.73	450.56	736.59	0.61	FAIL	
14525.00†	7023.35	849.78	8105.24	15985.01	7145.75	419.14	8104.17	105.88	447.69	745.02	0.60	FAIL	
14625.00†	7022.92	846.43	8205.19	16084.97	7145.64	418.86	8204.12	106.03	444.83	753.43	0.59	FAIL	
14725.00†	7022.48	843.08	8305.13	16184.92	7145.53	418.58	8304.07	106.18	441.97	761.82	0.58	FAIL	
14825.00†	7022.05	839.73	8405.07	16284.87	7145.42	418.30	8404.03	106.33	439.12	770.19	0.57	FAIL	
14836.05	7022.00	839.36	8416.11	16295.91	7145.40	418.27	8415.07	106.35	438.80	771.11	0.57	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1733.17	-73.29	0.00	-42.44	-55.29
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.17	-73.29	0.00	-42.44	-55.29
8.5in Open Hole	1750.00	16660.50	14910.50	1733.17	7145.00	-42.44	-55.29	90.53	2676.04

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-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	31.67	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	0.00	-30.05	-90.00	30.05	2.45	19.59	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	0.00	-30.05	-90.00	30.05	2.89	15.06	PASS	
325.00†	325.00	0.10	0.05	325.10	325.10	0.10	-30.01	-119.34	30.07	3.04	14.00	PASS	
425.00†	424.96	2.38	1.34	425.48	425.44	2.56	-29.05	-119.02	30.39	3.76	10.51	PASS	
525.00†	524.77	7.70	4.33	525.86	525.62	8.28	-26.80	-118.31	31.15	4.69	8.10	PASS	
625.00†	624.30	16.05	9.03	626.23	625.52	17.27	-23.28	-117.25	32.35	5.55	6.85	PASS	
723.07	721.54	27.18	15.28	724.65	723.09	29.25	-18.58	-115.96	33.96	6.41	6.06	PASS	
725.00†	723.44	27.43	15.42	726.58	725.01	29.51	-18.48	-115.94	34.00	6.43	6.05	PASS	
825.00†	822.35	40.25	22.63	826.88	823.92	44.98	-12.41	-111.80	35.40	7.20	5.52	PASS	
925.00†	921.27	53.08	29.85	926.91	921.92	63.59	-5.11	-102.62	36.51	8.07	5.00	PASS	
1025.00†	1020.18	65.91	37.06	1026.64	1019.34	83.49	2.70	-92.04	38.61	9.20	4.57	PASS	
1125.00†	1119.09	78.73	44.27	1126.38	1116.76	103.39	10.50	-82.82	41.88	10.44	4.32	PASS	
1225.00†	1218.00	91.56	51.48	1226.12	1214.18	123.28	18.30	-75.10	46.06	11.65	4.22	PASS	
1325.00†	1316.91	104.38	58.69	1325.86	1311.60	143.18	26.11	-68.76	50.94	12.78	4.23	PASS	
1425.00†	1415.82	117.21	65.91	1425.59	1409.02	163.08	33.91	-63.57	56.34	13.82	4.31	PASS	
1525.00†	1514.73	130.03	73.12	1525.33	1506.44	182.97	41.72	-59.31	62.11	14.78	4.42	PASS	
1625.00†	1613.65	142.86	80.33	1625.07	1603.86	202.87	49.52	-55.80	68.16	15.70	4.56	PASS	
1725.00†	1712.56	155.69	87.54	1724.80	1701.28	222.77	57.33	-52.86	74.43	16.58	4.70	PASS	
1825.00†	1811.47	168.51	94.75	1824.54	1798.70	242.66	65.13	-50.39	80.87	16.70	5.01	PASS	
1925.00†	1910.38	181.34	101.97	1924.28	1896.12	262.56	72.93	-48.28	87.43	16.66	5.44	PASS	
2025.00†	2009.29	194.16	109.18	2024.01	1993.54	282.46	80.74	-46.47	94.09	16.72	5.83	PASS	
2125.00†	2108.20	206.99	116.39	2123.75	2090.96	302.36	88.54	-44.90	100.84	16.87	6.20	PASS	
2225.00†	2207.12	219.81	123.60	2223.49	2188.38	322.25	96.35	-43.53	107.65	17.10	6.52	PASS	
2325.00†	2306.03	232.64	130.81	2323.22	2285.80	342.15	104.15	-42.32	114.51	17.42	6.81	PASS	
2425.00†	2404.94	245.47	138.02	2422.96	2383.22	362.05	111.95	-41.25	121.42	17.82	7.06	PASS	
2525.00†	2503.85	258.29	145.24	2522.70	2480.64	381.94	119.76	-40.29	128.37	18.28	7.26	PASS	
2625.00†	2602.76	271.12	152.45	2622.43	2578.06	401.84	127.56	-39.44	135.34	18.81	7.44	PASS	
2725.00†	2701.67	283.94	159.66	2722.17	2675.48	421.74	135.37	-38.66	142.35	19.39	7.58	PASS	
2825.00†	2800.58	296.77	166.87	2821.91	2772.90	441.63	143.17	-37.96	149.38	20.03	7.70	PASS	
2925.00†	2899.50	309.59	174.08	2921.64	2870.32	461.53	150.98	-37.32	156.43	20.71	7.79	PASS	
3025.00†	2998.41	322.42	181.30	3021.38	2967.74	481.43	158.78	-36.74	163.50	21.43	7.86	PASS	
3125.00†	3097.32	335.25	188.51	3121.12	3065.16	501.32	166.58	-36.21	170.58	22.19	7.91	PASS	
3225.00†	3196.23	348.07	195.72	3220.85	3162.58	521.22	174.39	-35.72	177.68	22.98	7.95	PASS	
3325.00†	3295.14	360.90	202.93	3320.59	3260.00	541.12	182.19	-35.26	184.78	23.79	7.97	PASS	
3425.00†	3394.05	373.72	210.14	3420.33	3357.42	561.02	190.00	-34.84	191.90	24.64	7.99	PASS	
3525.00†	3492.97	386.55	217.36	3520.06	3454.84	580.91	197.80	-34.45	199.03	25.51	8.00	PASS	
3625.00†	3591.88	399.38	224.57	3619.80	3552.26	600.81	205.61	-34.09	206.17	26.40	8.00	PASS	
3725.00†	3690.79	412.20	231.78	3719.54	3649.68	620.71	213.41	-33.75	213.31	27.30	7.99	PASS	
3825.00†	3789.70	425.03	238.99	3819.27	3747.09	640.60	221.21	-33.43	220.46	28.23	7.99	PASS	
3925.00†	3888.61	437.85	246.20	3919.01	3844.51	660.50	229.02	-33.14	227.62	29.16	7.97	PASS	
4025.00†	3987.52	450.68	253.42	4018.75	3941.93	680.40	236.82	-32.86	234.79	30.11	7.96	PASS	
4125.00†	4086.43	463.50	260.63	4118.48	4039.35	700.29	244.63	-32.60	241.95	31.08	7.94	PASS	
4225.00†	4185.35	476.33	267.84	4218.22	4136.77	720.19	252.43	-32.35	249.13	32.05	7.93	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	4317.96	4234.19	740.09	260.23	-32.11	256.31	33.04	7.91	PASS	
4425.00†	4383.17	501.98	282.26	4417.69	4331.61	759.98	268.04	-31.89	263.49	34.03	7.89	PASS	
4525.00†	4482.08	514.81	289.47	4517.43	4429.03	779.88	275.84	-31.69	270.67	35.03	7.87	PASS	
4625.00†	4580.99	527.63	296.69	4617.17	4526.45	799.78	283.65	-31.49	277.86	36.04	7.84	PASS	
4725.00†	4679.90	540.46	303.90	4716.91	4623.87	819.68	291.45	-31.30	285.05	37.06	7.82	PASS	
4825.00†	4778.82	553.28	311.11	4816.64	4721.29	839.57	299.26	-31.12	292.25	38.08	7.80	PASS	
4925.00†	4877.73	566.11	318.32	4916.38	4818.71	859.47	307.06	-30.95	299.45	39.11	7.78	PASS	
5025.00†	4976.64	578.94	325.53	5016.12	4916.13	879.37	314.86	-30.79	306.65	40.14	7.76	PASS	
5125.00†	5075.55	591.76	332.75	5115.85	5013.55	899.26	322.67	-30.63	313.85	41.18	7.74	PASS	
5225.00†	5174.46	604.59	339.96	5215.59	5110.97	919.16	330.47	-30.48	321.06	42.22	7.72	PASS	
5325.00†	5273.37	617.41	347.17	5315.33	5208.39	939.06	338.28	-30.34	328.26	43.26	7.70	PASS	
5425.00†	5372.28	630.24	354.38	5415.06	5305.81	958.96	346.08	-30.21	335.47	44.31	7.68	PASS	
5525.00†	5471.20	643.07	361.59	5514.80	5403.23	978.85	353.89	-30.08	342.68	45.37	7.66	PASS	
5625.00†	5570.11	655.89	368.81	5614.54	5500.65	998.75	361.69	-29.95	349.89	46.43	7.64	PASS	
5725.00†	5669.02	668.72	376.02	5714.27	5598.07	1018.65	369.49	-29.83	357.11	47.49	7.62	PASS	
5825.00†	5767.93	681.54	383.23	5814.01	5695.49	1038.54	377.30	-29.72	364.32	48.55	7.60	PASS	
5925.00†	5866.84	694.37	390.44	5913.75	5792.91	1058.44	385.10	-29.61	371.54	49.61	7.58	PASS	
6025.00†	5965.75	707.19	397.65	6013.48	5890.33	1078.34	392.91	-29.50	378.76	50.68	7.56	PASS	
6125.00†	6064.66	720.02	404.87	6113.22	5987.75	1098.23	400.71	-29.40	385.98	51.75	7.55	PASS	
6225.00†	6163.58	732.85	412.08	6212.96	6085.17	1118.13	408.52	-29.30	393.20	52.83	7.53	PASS	
6325.00†	6262.49	745.67	419.29	6312.69	6182.59	1138.03	416.32	-29.21	400.42	53.90	7.51	PASS	
6425.00†	6361.40	758.50	426.50	6412.43	6280.01	1157.92	424.12	-29.12	407.64	54.98	7.50	PASS	
6525.00†	6460.31	771.32	433.71	6512.17	6377.43	1177.82	431.93	-29.03	414.86	56.06	7.48	PASS	
6533.75	6468.97	772.45	434.34	6520.90	6385.96	1179.56	432.61	-29.02	415.50	56.15	7.48	PASS	
6625.00†	6558.44	784.11	447.41	6612.26	6474.80	1197.70	443.35	-29.02	421.98	57.20	7.46	PASS	
6725.00†	6653.23	796.63	476.37	6712.97	6569.96	1217.12	469.60	-29.02	428.71	58.26	7.44	PASS	
6825.00†	6742.33	808.56	519.92	6814.20	6660.33	1235.53	511.07	-29.02	434.87	60.04	7.42	PASS	
6925.00†	6823.57	819.61	577.00	6915.95	6743.53	1252.47	566.95	-29.02	440.31	61.81	7.19	PASS	
7025.00†	6894.93	829.52	646.20	7018.16	6817.27	1267.45	635.96	-29.02	444.88	64.19	7.00	PASS	
7125.00†	6954.67	838.03	725.81	7120.80	6879.49	1280.07	716.47	-29.02	448.48	67.41	6.71	PASS	
7225.00†	7001.30	844.93	813.89	7223.77	6928.37	1289.95	806.43	-29.02	451.01	71.57	6.35	PASS	
7325.00†	7033.68	850.07	908.25	7326.99	6962.49	1296.80	903.48	-29.02	452.40	76.53	5.96	PASS	
7425.00†	7051.02	853.30	1006.58	7430.34	6980.82	1300.43	1005.01	-29.02	452.60	81.92	5.56	PASS	
7489.77	7054.00	854.34	1071.25	7497.30	6984.00	1301.00	1071.87	-29.02	452.11	85.68	5.31	PASS	
7525.00†	7053.85	854.68	1106.47	7532.56	6983.81	1300.92	1107.13	-29.02	451.70	87.69	5.18	PASS	
7625.00†	7053.41	855.64	1206.47	7632.56	6983.25	1300.68	1207.12	-29.02	450.54	93.80	4.83	PASS	
7725.00†	7052.97	856.60	1306.46	7732.55	6982.69	1300.45	1307.11	-29.02	449.38	100.39	4.50	PASS	
7825.00†	7052.54	857.56	1406.46	7832.54	6982.14	1300.22	1407.10	-29.02	448.22	107.35	4.20	PASS	
7925.00†	7052.10	858.52	1506.45	7932.53	6981.58	1299.98	1507.09	-29.02	447.06	114.61	3.92	PASS	
8025.00†	7051.66	859.48	1606.45	8032.53	6981.02	1299.75	1607.08	-29.02	445.90	122.13	3.67	PASS	
8125.00†	7051.23	860.44	1706.44	8132.52	6980.46	1299.52	1707.07	-29.02	444.74	129.85	3.44	PASS	
8225.00†	7050.79	861.40	1806.43	8232.51	6979.90	1299.28	1807.06	-29.02	443.58	137.75	3.23	PASS	
8325.00†	7050.36	862.36	1906.43	8332.50	6979.35	1299.05	1907.05	-29.02	442.42	145.79	3.04	PASS	
8425.00†	7049.92	863.32	2006.42	8432.50	6978.79	1298.81	2007.04	-29.02	441.26	153.95	2.87	PASS	
8525.00†	7049.48	864.28	2106.42	8532.49	6978.23	1298.58	2107.04	-29.02	440.11	162.22	2.72	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8625.00†	7049.05	865.24	2206.41	8632.48	6977.67	1298.35	2207.03	-80.64	438.95	170.57	2.58	PASS	
8725.00†	7048.61	866.20	2306.41	8732.48	6977.11	1298.11	2307.02	-80.60	437.79	178.99	2.45	PASS	
8825.00†	7048.17	867.16	2406.40	8832.47	6976.56	1297.88	2407.01	-80.56	436.63	187.48	2.33	PASS	
8925.00†	7047.74	868.12	2506.40	8932.46	6976.00	1297.65	2507.00	-80.52	435.47	196.02	2.23	PASS	
9025.00†	7047.30	869.08	2606.39	9032.45	6975.44	1297.41	2606.99	-80.48	434.32	204.61	2.13	PASS	
9125.00†	7046.86	870.04	2706.38	9132.45	6974.88	1297.18	2706.98	-80.44	433.16	213.24	2.03	PASS	
9225.00†	7046.43	871.00	2806.38	9232.44	6974.32	1296.95	2806.97	-80.39	432.00	221.91	1.95	PASS	
9325.00†	7045.99	871.96	2906.37	9332.43	6973.77	1296.71	2906.96	-80.35	430.85	230.61	1.87	PASS	
9425.00†	7045.56	872.92	3006.37	9432.43	6973.21	1296.48	3006.95	-80.31	429.69	239.34	1.80	PASS	
9525.00†	7045.12	873.88	3106.36	9532.42	6972.65	1296.24	3106.94	-80.27	428.54	248.10	1.73	PASS	
9625.00†	7044.68	874.84	3206.36	9632.41	6972.09	1296.01	3206.94	-80.22	427.38	256.87	1.67	PASS	
9725.00†	7044.25	875.80	3306.35	9732.40	6971.53	1295.78	3306.93	-80.18	426.22	265.67	1.61	PASS	
9825.00†	7043.81	876.76	3406.35	9832.40	6970.98	1295.54	3406.92	-80.14	425.07	274.48	1.55	PASS	
9925.00†	7043.37	877.72	3506.34	9932.39	6970.42	1295.31	3506.91	-80.09	423.91	283.31	1.50	PASS	
10025.00†	7042.94	878.68	3606.33	10032.38	6969.86	1295.08	3606.90	-80.05	422.76	292.16	1.45	PASS	
10125.00†	7042.50	879.64	3706.33	10132.38	6969.30	1294.84	3706.89	-80.00	421.61	301.01	1.40	PASS	
10225.00†	7042.07	880.60	3806.32	10232.37	6968.74	1294.61	3806.88	-79.96	420.45	309.88	1.36	PASS	
10325.00†	7041.63	881.56	3906.32	10332.36	6968.19	1294.38	3906.87	-79.91	419.30	318.76	1.32	PASS	
10425.00†	7041.19	882.52	4006.31	10432.35	6967.63	1294.14	4006.86	-79.87	418.14	327.64	1.28	PASS	
10525.00†	7040.76	883.48	4106.31	10532.35	6967.07	1293.91	4106.85	-79.82	416.99	336.54	1.24	PASS	
10625.00†	7040.32	884.44	4206.30	10632.34	6966.51	1293.67	4206.85	-79.78	415.84	345.44	1.20	PASS	
10725.00†	7039.88	885.40	4306.30	10732.33	6965.95	1293.44	4306.84	-79.73	414.68	354.34	1.17	PASS	
10825.00†	7039.45	886.36	4406.29	10832.32	6965.40	1293.21	4406.83	-79.69	413.53	363.25	1.14	PASS	
10925.00†	7039.01	887.32	4506.28	10932.32	6964.84	1292.97	4506.82	-79.64	412.38	372.17	1.11	PASS	
11025.00†	7038.57	888.28	4606.28	11032.31	6964.28	1292.74	4606.81	-79.59	411.23	381.09	1.08	PASS	
11125.00†	7038.14	889.24	4706.27	11132.30	6963.72	1292.51	4706.80	-79.55	410.08	390.02	1.05	PASS	
11225.00†	7037.70	890.20	4806.27	11232.30	6963.16	1292.27	4806.79	-79.50	408.92	398.95	1.03	PASS	
11325.00†	7037.27	891.16	4906.26	11332.29	6962.61	1292.04	4906.78	-79.45	407.77	407.88	1.00	FAIL	
11425.00†	7036.83	892.12	5006.26	11432.28	6962.05	1291.81	5006.77	-79.41	406.62	416.81	0.98	FAIL	
11525.00†	7036.39	893.08	5106.25	11532.27	6961.49	1291.57	5106.76	-79.36	405.47	425.75	0.95	FAIL	
11625.00†	7035.96	894.04	5206.25	11632.27	6960.93	1291.34	5206.76	-79.31	404.32	434.69	0.93	FAIL	
11725.00†	7035.52	895.00	5306.24	11732.26	6960.37	1291.11	5306.75	-79.26	403.17	443.62	0.91	FAIL	
11825.00†	7035.08	895.96	5406.23	11832.25	6959.82	1290.87	5406.74	-79.21	402.02	452.56	0.89	FAIL	
11925.00†	7034.65	896.92	5506.23	11932.25	6959.26	1290.64	5506.73	-79.16	400.87	461.50	0.87	FAIL	
12025.00†	7034.21	897.88	5606.22	12032.24	6958.70	1290.40	5606.72	-79.11	399.72	470.45	0.85	FAIL	
12125.00†	7033.78	898.84	5706.22	12132.23	6958.14	1290.17	5706.71	-79.06	398.57	479.39	0.83	FAIL	
12225.00†	7033.34	899.80	5806.21	12232.22	6957.58	1289.94	5806.70	-79.01	397.43	488.33	0.81	FAIL	
12325.00†	7032.90	900.76	5906.21	12332.22	6957.03	1289.70	5906.69	-78.96	396.28	497.27	0.80	FAIL	
12425.00†	7032.47	901.72	6006.20	12432.21	6956.47	1289.47	6006.68	-78.91	395.13	506.21	0.78	FAIL	
12525.00†	7032.03	902.68	6106.20	12532.20	6955.91	1289.24	6106.67	-78.86	393.98	515.15	0.76	FAIL	
12625.00†	7031.59	903.64	6206.19	12632.20	6955.35	1289.00	6206.67	-78.81	392.83	524.08	0.75	FAIL	
12725.00†	7031.16	904.60	6306.18	12732.19	6954.80	1288.77	6306.66	-78.76	391.69	533.02	0.73	FAIL	
12789.77	7030.87	905.22	6370.95	12796.95	6954.43	1288.62	6371.42	-78.73	390.94	538.81	0.73	FAIL	
12825.00†	7030.72	905.34	6406.18	12832.18	6954.24	1288.54	6406.65	-78.71	390.75	541.97	0.72	FAIL	
12913.21	7030.34	903.75	6494.37	12920.38	6953.74	1288.33	6494.84	-78.72	392.14	549.97	0.71	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	12932.16	6953.68	1288.30	6506.63	-78.73	392.50	551.05	0.71	FAIL	
13025.00†	7029.85	900.00	6606.10	13032.11	6953.12	1288.07	6606.58	-78.80	395.58	560.19	0.71	FAIL	
13125.00†	7029.42	896.65	6706.04	13132.07	6952.56	1287.83	6706.53	-78.87	398.66	569.35	0.70	FAIL	
13225.00†	7028.99	893.31	6805.98	13232.02	6952.01	1287.60	6806.48	-78.94	401.74	578.50	0.69	FAIL	
13325.00†	7028.55	889.96	6905.93	13331.97	6951.45	1287.37	6906.43	-79.01	404.82	587.66	0.69	FAIL	
13425.00†	7028.12	886.61	7005.87	13431.92	6950.89	1287.13	7006.37	-79.07	407.90	596.82	0.68	FAIL	
13525.00†	7027.68	883.26	7105.81	13531.87	6950.33	1286.90	7106.32	-79.14	410.98	605.99	0.68	FAIL	
13625.00†	7027.25	879.91	7205.76	13631.82	6949.78	1286.67	7206.27	-79.20	414.07	615.16	0.67	FAIL	
13725.00†	7026.82	876.56	7305.70	13731.77	6949.22	1286.43	7306.22	-79.27	417.15	624.33	0.67	FAIL	
13825.00†	7026.38	873.22	7405.64	13831.73	6948.66	1286.20	7406.17	-79.33	420.23	633.50	0.66	FAIL	
13925.00†	7025.95	869.87	7505.58	13931.68	6948.10	1285.97	7506.12	-79.39	423.32	642.68	0.66	FAIL	
14025.00†	7025.52	866.52	7605.53	14031.63	6947.54	1285.73	7606.07	-79.45	426.40	651.86	0.65	FAIL	
14125.00†	7025.08	863.17	7705.47	14131.58	6946.99	1285.50	7706.02	-79.51	429.49	661.04	0.65	FAIL	
14225.00†	7024.65	859.82	7805.41	14231.53	6946.43	1285.27	7805.97	-79.57	432.57	670.22	0.65	FAIL	
14325.00†	7024.22	856.47	7905.36	14331.48	6945.87	1285.03	7905.92	-79.63	435.66	679.41	0.64	FAIL	
14425.00†	7023.78	853.13	8005.30	14431.43	6945.31	1284.80	8005.87	-79.68	438.75	688.60	0.64	FAIL	
14525.00†	7023.35	849.78	8105.24	14531.38	6944.76	1284.57	8105.82	-79.74	441.83	697.79	0.63	FAIL	
14625.00†	7022.92	846.43	8205.19	14631.34	6944.20	1284.33	8205.77	-79.80	444.92	706.98	0.63	FAIL	
14725.00†	7022.48	843.08	8305.13	14731.29	6943.64	1284.10	8305.72	-79.85	448.01	716.18	0.63	FAIL	
14825.00†	7022.05	839.73	8405.07	14831.24	6943.08	1283.86	8405.67	-79.91	451.10	725.37	0.62	FAIL	
14836.05	7022.00	839.36	8416.11	14842.28	6943.02	1283.84	8416.71	-79.91	451.44	726.39	0.62	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1725.89	0.00	-18.32	69.43	8.91
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.89	0.00	-18.32	69.43	8.91
8.5in Open Hole	1750.00	14845.98	13095.98	1725.89	6943.00	69.43	8.91	391.31	2557.38

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14318.73	7167.36	1059.10	-164.55	-8.83	7222.34	113.89	63.92	PASS	
125.00†	125.00	0.00	0.00	14320.93	7167.41	1059.16	-162.36	-8.72	7123.46	114.82	62.53	PASS	
225.00†	225.00	0.00	0.00	14323.13	7167.45	1059.21	-160.15	-8.60	7024.61	115.19	61.46	PASS	
300.00	300.00	0.00	0.00	14324.80	7167.48	1059.25	-158.49	-8.51	6950.50	115.49	60.66	PASS	
325.00†	325.00	0.10	0.05	14325.42	7167.49	1059.27	-157.87	-39.88	6925.79	115.59	60.39	PASS	
425.00†	424.96	2.38	1.34	14329.18	7167.57	1059.36	-154.10	-49.91	6826.72	115.97	59.33	PASS	
525.00†	524.77	7.70	4.33	14335.01	7167.68	1059.48	-148.28	-63.87	6727.39	116.32	58.29	PASS	
625.00†	624.30	16.05	9.03	14342.87	7167.84	1059.64	-140.43	-81.99	6627.91	116.63	57.27	PASS	
723.07	721.54	27.18	15.28	14352.52	7168.03	1059.81	-130.77	-101.52	6530.31	116.90	56.30	PASS	
725.00†	723.44	27.43	15.42	14352.73	7168.03	1059.82	-130.56	-101.51	6528.39	116.90	56.28	PASS	
825.00†	822.35	40.25	22.63	14363.54	7168.25	1059.98	-119.76	-101.21	6428.88	117.15	55.30	PASS	
925.00†	921.27	53.08	29.85	14377.59	7168.54	1060.14	-105.71	-100.80	6329.37	117.44	54.31	PASS	
1025.00†	1020.18	65.91	37.06	14396.18	7168.91	1060.23	-87.13	-100.25	6229.85	117.79	53.30	PASS	
1125.00†	1119.09	78.73	44.27	14414.28	7169.27	1060.19	-69.03	-99.69	6130.32	118.14	52.29	PASS	
1225.00†	1218.00	91.56	51.48	14431.89	7169.61	1060.03	-51.42	-99.12	6030.77	118.48	51.29	PASS	
1325.00†	1316.91	104.38	58.69	14449.05	7169.94	1059.76	-34.27	-98.55	5931.22	118.83	50.30	PASS	
1425.00†	1415.82	117.21	65.91	14463.42	7170.21	1059.45	-19.91	-98.06	5831.65	119.14	49.32	PASS	
1525.00†	1514.73	130.03	73.12	14474.18	7170.41	1059.18	-9.15	-97.67	5732.08	119.42	48.36	PASS	
1625.00†	1613.65	142.86	80.33	14484.88	7170.61	1058.91	1.54	-97.28	5632.51	119.70	47.41	PASS	
1725.00†	1712.56	155.69	87.54	14495.50	7170.81	1058.62	12.15	-96.87	5532.94	119.99	46.46	PASS	
1825.00†	1811.47	168.51	94.75	14506.04	7171.00	1058.31	22.69	-96.45	5433.37	120.08	45.51	PASS	
1925.00†	1910.38	181.34	101.97	14516.51	7171.19	1058.00	33.16	-96.02	5333.80	120.38	44.57	PASS	
2025.00†	2009.29	194.16	109.18	14526.91	7171.38	1057.67	43.55	-95.58	5234.23	120.68	43.62	PASS	
2125.00†	2108.20	206.99	116.39	14537.24	7171.57	1057.34	53.87	-95.12	5134.65	120.99	42.68	PASS	
2225.00†	2207.12	219.81	123.60	14547.50	7171.75	1056.99	64.13	-94.65	5035.08	121.31	41.74	PASS	
2325.00†	2306.03	232.64	130.81	14554.63	7171.88	1056.74	71.25	-94.31	4935.50	121.61	40.82	PASS	
2425.00†	2404.94	245.47	138.02	14561.28	7172.00	1056.53	77.89	-93.98	4835.94	121.91	39.89	PASS	
2525.00†	2503.85	258.29	145.24	14567.97	7172.12	1056.33	84.58	-93.64	4736.38	122.22	38.97	PASS	
2625.00†	2602.76	271.12	152.45	14574.72	7172.24	1056.13	91.33	-93.29	4636.82	122.55	38.05	PASS	
2725.00†	2701.67	283.94	159.66	14581.52	7172.36	1055.95	98.12	-92.92	4537.27	122.88	37.13	PASS	
2825.00†	2800.58	296.77	166.87	14588.37	7172.49	1055.78	104.97	-92.54	4437.73	123.23	36.21	PASS	
2925.00†	2899.50	309.59	174.08	14595.27	7172.61	1055.63	111.87	-92.14	4338.20	123.59	35.30	PASS	
3025.00†	2998.41	322.42	181.30	14602.23	7172.74	1055.48	118.82	-91.73	4238.67	123.97	34.38	PASS	
3125.00†	3097.32	335.25	188.51	14609.24	7172.87	1055.35	125.83	-91.30	4139.15	124.36	33.47	PASS	
3225.00†	3196.23	348.07	195.72	14616.30	7173.00	1055.23	132.89	-90.85	4039.65	124.77	32.56	PASS	
3325.00†	3295.14	360.90	202.93	14623.42	7173.13	1055.13	140.01	-90.38	3940.14	125.20	31.64	PASS	
3425.00†	3394.05	373.72	210.14	14630.60	7173.27	1055.04	147.18	-89.88	3840.65	125.64	30.74	PASS	
3525.00†	3492.97	386.55	217.36	14637.83	7173.41	1054.96	154.41	-89.37	3741.17	126.11	29.83	PASS	
3625.00†	3591.88	399.38	224.57	14649.05	7173.61	1054.85	165.63	-88.54	3641.70	126.64	28.91	PASS	
3725.00†	3690.79	412.20	231.78	14660.21	7173.82	1054.72	176.79	-87.67	3542.22	127.19	28.00	PASS	
3825.00†	3789.70	425.03	238.99	14671.23	7174.01	1054.59	187.80	-86.76	3442.75	127.76	27.09	PASS	
3925.00†	3888.61	437.85	246.20	14682.10	7174.20	1054.45	198.67	-85.82	3343.28	128.35	26.19	PASS	
4025.00†	3987.52	450.68	253.42	14692.83	7174.38	1054.30	209.40	-84.84	3243.82	128.96	25.29	PASS	
4125.00†	4086.43	463.50	260.63	14703.41	7174.55	1054.15	219.98	-83.83	3144.36	129.61	24.39	PASS	
4225.00†	4185.35	476.33	267.84	14713.87	7174.72	1053.99	230.43	-82.77	3044.90	130.28	23.49	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	14724.18	7174.87	1053.81	240.75	-81.68	2945.45	130.98	22.60	PASS	
4425.00†	4383.17	501.98	282.26	14733.10	7175.01	1053.66	249.66	-80.68	2846.01	131.71	21.72	PASS	
4525.00†	4482.08	514.81	289.47	14741.26	7175.13	1053.51	257.82	-79.73	2746.59	132.47	20.84	PASS	
4625.00†	4580.99	527.63	296.69	14749.46	7175.26	1053.35	266.02	-78.73	2647.18	133.27	19.96	PASS	
4725.00†	4679.90	540.46	303.90	14757.70	7175.39	1053.19	274.25	-77.69	2547.79	134.13	19.09	PASS	
4825.00†	4778.82	553.28	311.11	14765.97	7175.53	1053.01	282.52	-76.59	2448.42	135.04	18.22	PASS	
4925.00†	4877.73	566.11	318.32	14774.27	7175.67	1052.83	290.82	-75.44	2349.08	136.02	17.36	PASS	
5025.00†	4976.64	578.94	325.53	14782.61	7175.81	1052.64	299.16	-74.24	2249.76	137.07	16.49	PASS	
5125.00†	5075.55	591.76	332.75	14790.99	7175.95	1052.44	307.53	-72.97	2150.48	138.20	15.64	PASS	
5225.00†	5174.46	604.59	339.96	14799.40	7176.10	1052.23	315.94	-71.64	2051.22	139.43	14.78	PASS	
5325.00†	5273.37	617.41	347.17	14807.85	7176.25	1052.01	324.38	-70.24	1952.01	140.77	13.93	PASS	
5425.00†	5372.28	630.24	354.38	14816.34	7176.40	1051.78	332.86	-68.77	1852.84	142.24	13.09	PASS	
5525.00†	5471.20	643.07	361.59	14826.28	7176.59	1051.49	342.80	-66.96	1753.72	143.87	12.25	PASS	
5625.00†	5570.11	655.89	368.81	14836.25	7176.77	1051.17	352.77	-65.06	1654.65	145.67	11.41	PASS	
5725.00†	5669.02	668.72	376.02	14846.12	7176.95	1050.82	362.63	-63.07	1555.65	147.69	10.58	PASS	
5825.00†	5767.93	681.54	383.23	14855.89	7177.13	1050.44	372.38	-61.01	1456.72	149.96	9.76	PASS	
5925.00†	5866.84	694.37	390.44	14865.55	7177.31	1050.03	382.04	-58.86	1357.90	152.55	8.94	PASS	
6025.00†	5965.75	707.19	397.65	14875.12	7177.48	1049.60	391.60	-56.64	1259.19	155.53	8.13	PASS	
6125.00†	6064.66	720.02	404.87	14884.59	7177.65	1049.13	401.06	-54.34	1160.64	159.02	7.33	PASS	
6225.00†	6163.58	732.85	412.08	14893.97	7177.83	1048.65	410.42	-51.96	1062.28	163.16	6.53	PASS	
6325.00†	6262.49	745.67	419.29	14903.25	7178.00	1048.13	419.69	-49.51	964.18	168.16	5.75	PASS	
6425.00†	6361.40	758.50	426.50	14911.40	7178.14	1047.67	427.82	-47.29	866.43	174.34	4.99	PASS	
6525.00†	6460.31	771.32	433.71	14918.75	7178.27	1047.30	435.16	-45.22	769.17	182.18	4.23	PASS	
6533.75	6468.97	772.45	434.34	14919.39	7178.28	1047.27	435.80	-45.03	760.69	182.97	4.17	PASS	
6625.00†	6558.44	784.11	447.41	14931.75	7178.46	1046.77	448.15	-45.99	673.36	192.34	3.51	PASS	
6725.00†	6653.23	796.63	476.37	14958.04	7178.75	1046.18	474.43	-118.73	581.77	205.73	2.83	PASS	
6825.00†	6742.33	808.56	519.92	14996.88	7178.93	1046.51	513.27	-128.62	497.27	223.60	2.23	PASS	
6925.00†	6823.57	819.61	577.00	15051.81	7178.96	1048.28	568.16	-132.27	422.69	247.16	1.71	PASS	
7025.00†	6894.93	829.52	646.20	15122.22	7178.94	1051.19	638.52	-132.28	360.36	276.45	1.30	PASS	
7125.00†	6954.67	838.03	725.81	15206.55	7179.01	1053.03	722.82	-130.14	310.75	308.45	1.01	PASS	
7225.00†	7001.30	844.93	813.89	15296.32	7179.11	1053.69	812.59	-127.22	274.22	339.35	0.81	FAIL	
7319.35†	7032.25	849.83	902.80	15339.00	7179.20	1053.89	855.27	-126.40	255.92	358.38	0.71	FAIL	
7320.00†	7032.41	849.86	903.42	15339.00	7179.20	1053.89	855.27	-126.41	255.92	358.37	0.71	FAIL	
7325.00†	7033.68	850.07	908.25	15339.00	7179.20	1053.89	855.27	-126.42	255.98	358.26	0.71	FAIL	
7425.00†	7051.02	853.30	1006.58	15339.00	7179.20	1053.89	855.27	-124.79	282.07	329.95	0.85	FAIL	
7489.77	7054.00	854.34	1071.25	15339.00	7179.20	1053.89	855.27	-121.65	319.60	298.07	1.07	PASS	
7525.00†	7053.85	854.68	1106.47	15339.00	7179.20	1053.89	855.27	-121.65	344.24	281.01	1.23	PASS	
7625.00†	7053.41	855.64	1206.47	15339.00	7179.20	1053.89	855.27	-121.65	422.45	239.99	1.76	PASS	
7725.00†	7052.97	856.60	1306.46	15339.00	7179.20	1053.89	855.27	-121.65	508.36	209.66	2.43	PASS	
7825.00†	7052.54	857.56	1406.46	15339.00	7179.20	1053.89	855.27	-121.65	598.66	187.46	3.20	PASS	
7925.00†	7052.10	858.52	1506.45	15339.00	7179.20	1053.89	855.27	-121.65	691.64	170.97	4.06	PASS	
8025.00†	7051.66	859.48	1606.45	15339.00	7179.20	1053.89	855.27	-121.65	786.34	158.47	4.98	PASS	
8125.00†	7051.23	860.44	1706.44	15339.00	7179.20	1053.89	855.27	-121.65	882.21	148.80	5.95	PASS	
8225.00†	7050.79	861.40	1806.43	15339.00	7179.20	1053.89	855.27	-121.65	978.91	141.13	6.96	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1765.00	1740.00	10.00	1745.19	703.43	-4982.56	698.57	-4951.48
9.625in Casing Surface	25.00	1779.00	1754.00	10.00	1759.13	703.43	-4982.56	698.51	-4951.07
8.5in Open Hole	1765.00	15339.00	13574.00	1745.19	7179.20	698.57	-4951.48	672.44	-2230.55

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1364.26	6973.81	78.93	7106.00	25.57	288.80	PASS	
125.00†	125.00	0.00	0.00	94.00	125.00	1364.26	6973.81	78.93	7106.00	50.36	143.83	PASS	
225.00†	225.00	0.00	0.00	194.00	225.00	1364.26	6973.81	78.93	7106.00	51.26	141.26	PASS	
300.00	300.00	0.00	0.00	269.00	300.00	1364.26	6973.81	78.93	7106.00	52.46	137.96	PASS	
325.00†	325.00	0.10	0.05	294.00	325.00	1364.26	6973.81	49.58	7105.93	52.88	136.86	PASS	
425.00†	424.96	2.38	1.34	393.96	424.96	1364.26	6973.81	49.63	7104.24	55.11	131.19	PASS	
525.00†	524.77	7.70	4.33	493.77	524.77	1364.26	6973.81	49.72	7100.28	57.84	124.82	PASS	
625.00†	624.30	16.05	9.03	593.30	624.30	1364.26	6973.81	49.88	7094.08	60.94	118.27	PASS	
723.07	721.54	27.18	15.28	690.54	721.54	1364.26	6973.81	50.08	7085.82	64.24	111.96	PASS	
725.00†	723.44	27.43	15.42	692.44	723.44	1364.26	6973.81	50.09	7085.64	64.31	111.85	PASS	
825.00†	822.35	40.25	22.63	791.35	822.35	1364.26	6973.81	50.18	7076.15	67.87	105.75	PASS	
925.00†	921.27	53.08	29.85	890.27	921.27	1364.26	6973.81	50.27	7066.67	71.60	100.04	PASS	
1025.00†	1020.18	65.91	37.06	989.18	1020.18	1364.26	6973.81	50.36	7057.22	75.46	94.72	PASS	
1125.00†	1119.09	78.73	44.27	1088.09	1119.09	1364.26	6973.81	50.45	7047.78	79.44	89.80	PASS	
1225.00†	1218.00	91.56	51.48	1187.00	1218.00	1364.26	6973.81	50.54	7038.35	83.50	85.27	PASS	
1325.00†	1316.91	104.38	58.69	1285.91	1316.91	1364.26	6973.81	50.63	7028.95	87.63	81.09	PASS	
1425.00†	1415.82	117.21	65.91	1384.82	1415.82	1364.26	6973.81	50.73	7019.57	91.83	77.24	PASS	
1525.00†	1514.73	130.03	73.12	1483.73	1514.73	1364.26	6973.81	50.82	7010.20	96.08	73.69	PASS	
1625.00†	1613.65	142.86	80.33	1582.65	1613.65	1364.26	6973.81	50.91	7000.85	100.37	70.42	PASS	
1725.00†	1712.56	155.69	87.54	1681.56	1712.56	1364.26	6973.81	51.00	6991.52	104.70	67.39	PASS	
1825.00†	1811.47	168.51	94.75	1780.47	1811.47	1364.26	6973.81	51.10	6982.21	108.75	64.62	PASS	
1925.00†	1910.38	181.34	101.97	1879.38	1910.38	1364.26	6973.81	51.19	6972.92	113.01	62.08	PASS	
2025.00†	2009.29	194.16	109.18	1978.29	2009.29	1364.26	6973.81	51.28	6963.64	117.31	59.72	PASS	
2125.00†	2108.20	206.99	116.39	2077.20	2108.20	1364.26	6973.81	51.38	6954.39	121.63	57.51	PASS	
2225.00†	2207.12	219.81	123.60	2176.12	2207.12	1364.26	6973.81	51.47	6945.15	125.98	55.44	PASS	
2325.00†	2306.03	232.64	130.81	2275.03	2306.03	1364.26	6973.81	51.57	6935.94	130.35	53.49	PASS	
2425.00†	2404.94	245.47	138.02	2373.94	2404.94	1364.26	6973.81	51.66	6926.74	134.75	51.67	PASS	
2525.00†	2503.85	258.29	145.24	2472.85	2503.85	1364.26	6973.81	51.76	6917.56	139.16	49.96	PASS	
2625.00†	2602.76	271.12	152.45	2571.76	2602.76	1364.26	6973.81	51.85	6908.40	143.60	48.34	PASS	
2725.00†	2701.67	283.94	159.66	2670.67	2701.67	1364.26	6973.81	51.95	6899.26	148.05	46.82	PASS	
2825.00†	2800.58	296.77	166.87	2769.58	2800.58	1364.26	6973.81	52.04	6890.14	152.52	45.38	PASS	
2925.00†	2899.50	309.59	174.08	2868.50	2899.50	1364.26	6973.81	52.14	6881.03	157.01	44.02	PASS	
3025.00†	2998.41	322.42	181.30	2967.41	2998.41	1364.26	6973.81	52.24	6871.95	161.51	42.73	PASS	
3125.00†	3097.32	335.25	188.51	3066.32	3097.32	1364.26	6973.81	52.33	6862.89	166.03	41.51	PASS	
3225.00†	3196.23	348.07	195.72	3165.23	3196.23	1364.26	6973.81	52.43	6853.84	170.57	40.35	PASS	
3325.00†	3295.14	360.90	202.93	3264.14	3295.14	1364.26	6973.81	52.53	6844.82	175.11	39.24	PASS	
3425.00†	3394.05	373.72	210.14	3363.05	3394.05	1364.26	6973.81	52.62	6835.82	179.68	38.19	PASS	
3525.00†	3492.97	386.55	217.36	3461.97	3492.97	1364.26	6973.81	52.72	6826.83	184.25	37.19	PASS	
3625.00†	3591.88	399.38	224.57	3560.88	3591.88	1364.26	6973.81	52.82	6817.87	188.84	36.24	PASS	
3725.00†	3690.79	412.20	231.78	3659.79	3690.79	1364.26	6973.81	52.92	6808.92	193.44	35.32	PASS	
3825.00†	3789.70	425.03	238.99	3758.70	3789.70	1364.26	6973.81	53.01	6800.00	198.05	34.45	PASS	
3925.00†	3888.61	437.85	246.20	3857.61	3888.61	1364.26	6973.81	53.11	6791.09	202.68	33.62	PASS	
4025.00†	3987.52	450.68	253.42	3956.52	3987.52	1364.26	6973.81	53.21	6782.21	207.31	32.82	PASS	
4125.00†	4086.43	463.50	260.63	4055.43	4086.43	1364.26	6973.81	53.31	6773.35	211.95	32.06	PASS	
4225.00†	4185.35	476.33	267.84	4154.35	4185.35	1364.26	6973.81	53.41	6764.50	216.61	31.33	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4253.26	4284.26	1364.26	6973.81	53.51	6755.68	221.28	30.63	PASS	
4425.00†	4383.17	501.98	282.26	4352.17	4383.17	1364.26	6973.81	53.61	6746.88	225.95	29.95	PASS	
4525.00†	4482.08	514.81	289.47	4451.08	4482.08	1364.26	6973.81	53.71	6738.10	230.63	29.30	PASS	
4625.00†	4580.99	527.63	296.69	4549.99	4580.99	1364.26	6973.81	53.81	6729.34	235.33	28.68	PASS	
4725.00†	4679.90	540.46	303.90	4648.90	4679.90	1364.26	6973.81	53.91	6720.60	240.03	28.08	PASS	
4825.00†	4778.82	553.28	311.11	4747.82	4778.82	1364.26	6973.81	54.01	6711.88	244.74	27.50	PASS	
4925.00†	4877.73	566.11	318.32	4846.73	4877.73	1364.26	6973.81	54.11	6703.18	249.46	26.94	PASS	
5025.00†	4976.64	578.94	325.53	4945.64	4976.64	1364.26	6973.81	54.21	6694.50	254.18	26.41	PASS	
5125.00†	5075.55	591.76	332.75	5044.55	5075.55	1364.26	6973.81	54.31	6685.85	258.92	25.89	PASS	
5225.00†	5174.46	604.59	339.96	5143.46	5174.46	1364.26	6973.81	54.42	6677.21	263.66	25.39	PASS	
5325.00†	5273.37	617.41	347.17	5242.37	5273.37	1364.26	6973.81	54.52	6668.60	268.40	24.91	PASS	
5425.00†	5372.28	630.24	354.38	5341.28	5372.28	1364.26	6973.81	54.62	6660.00	273.16	24.44	PASS	
5525.00†	5471.20	643.07	361.59	5440.20	5471.20	1364.26	6973.81	54.72	6651.43	277.92	23.99	PASS	
5625.00†	5570.11	655.89	368.81	5539.11	5570.11	1364.26	6973.81	54.83	6642.88	282.69	23.56	PASS	
5725.00†	5669.02	668.72	376.02	5638.02	5669.02	1364.26	6973.81	54.93	6634.36	287.46	23.13	PASS	
5825.00†	5767.93	681.54	383.23	5736.93	5767.93	1364.26	6973.81	55.03	6625.85	292.24	22.73	PASS	
5925.00†	5866.84	694.37	390.44	5835.84	5866.84	1364.26	6973.81	55.14	6617.37	297.03	22.33	PASS	
6025.00†	5965.75	707.19	397.65	5934.75	5965.75	1364.26	6973.81	55.24	6608.90	301.82	21.95	PASS	
6125.00†	6064.66	720.02	404.87	6033.66	6064.66	1364.26	6973.81	55.34	6600.46	306.61	21.57	PASS	
6225.00†	6163.58	732.85	412.08	6132.58	6163.58	1364.26	6973.81	55.45	6592.05	311.42	21.21	PASS	
6325.00†	6262.49	745.67	419.29	6231.49	6262.49	1364.26	6973.81	55.55	6583.65	316.22	20.86	PASS	
6425.00†	6361.40	758.50	426.50	6330.40	6361.40	1364.26	6973.81	55.66	6575.28	321.03	20.52	PASS	
6525.00†	6460.31	771.32	433.71	6429.31	6460.31	1364.26	6973.81	55.76	6566.92	325.85	20.19	PASS	
6533.75	6468.97	772.45	434.34	6437.97	6468.97	1364.26	6973.81	55.77	6566.19	326.27	20.17	PASS	
6625.00†	6558.44	784.11	447.41	6527.44	6558.44	1364.26	6973.81	26.36	6552.13	330.80	19.85	PASS	
6725.00†	6653.23	796.63	476.37	6622.23	6653.23	1364.26	6973.81	14.73	6522.20	336.14	19.44	PASS	
6825.00†	6742.33	808.56	519.92	6711.33	6742.33	1364.26	6973.81	9.27	6477.78	341.21	19.02	PASS	
6925.00†	6823.57	819.61	577.00	6792.57	6823.57	1364.26	6973.81	5.94	6419.96	345.76	18.60	PASS	
7025.00†	6894.93	829.52	646.20	6863.93	6894.93	1364.26	6973.81	3.38	6350.17	349.69	18.19	PASS	
7125.00†	6954.67	838.03	725.81	6923.67	6954.67	1364.26	6973.81	0.82	6270.12	352.93	17.80	PASS	
7225.00†	7001.30	844.93	813.89	6970.30	7001.30	1364.26	6973.81	-2.63	6181.78	355.40	17.43	PASS	
7325.00†	7033.68	850.07	908.25	7002.68	7033.68	1364.26	6973.81	-9.37	6087.32	357.06	17.08	PASS	
7425.00†	7051.02	853.30	1006.58	7020.02	7051.02	1364.26	6973.81	-33.11	5989.07	357.93	16.76	PASS	
7489.77	7054.00	854.34	1071.25	7023.00	7054.00	1364.26	6973.81	-93.26	5924.55	358.07	16.58	PASS	
7525.00†	7053.85	854.68	1106.47	7022.85	7053.85	1364.26	6973.81	-93.24	5889.43	358.06	16.48	PASS	
7625.00†	7053.41	855.64	1206.47	7022.41	7053.41	1364.26	6973.81	-93.18	5789.73	358.02	16.20	PASS	
7725.00†	7052.97	856.60	1306.46	7021.97	7052.97	1364.26	6973.81	-93.13	5690.04	358.00	15.92	PASS	
7825.00†	7052.54	857.56	1406.46	7021.54	7052.54	1364.26	6973.81	-93.07	5590.37	357.97	15.65	PASS	
7925.00†	7052.10	858.52	1506.45	7021.10	7052.10	1364.26	6973.81	-93.02	5490.70	357.96	15.37	PASS	
8025.00†	7051.66	859.48	1606.45	7020.66	7051.66	1364.26	6973.81	-92.96	5391.05	357.94	15.09	PASS	
8125.00†	7051.23	860.44	1706.44	7020.23	7051.23	1364.26	6973.81	-92.91	5291.41	357.94	14.81	PASS	
8225.00†	7050.79	861.40	1806.43	7019.79	7050.79	1364.26	6973.81	-92.85	5191.79	357.94	14.53	PASS	
8325.00†	7050.36	862.36	1906.43	7019.36	7050.36	1364.26	6973.81	-92.80	5092.18	357.94	14.25	PASS	
8425.00†	7049.92	863.32	2006.42	7018.92	7049.92	1364.26	6973.81	-92.74	4992.58	357.96	13.97	PASS	
8525.00†	7049.48	864.28	2106.42	7018.48	7049.48	1364.26	6973.81	-92.69	4893.01	357.98	13.69	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#02 EX. ELDRIDGE 1-23 (660'FSL & 1980'FEL, AB/CODL) Well: EX. ELDRIDGE 1-23 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	7018.05	7049.05	1364.26	6973.81	-92.63	4793.45	358.02	13.41	PASS	
8725.00†	7048.61	866.20	2306.41	7017.61	7048.61	1364.26	6973.81	-92.58	4693.90	358.06	13.13	PASS	
8825.00†	7048.17	867.16	2406.40	7017.17	7048.17	1364.26	6973.81	-92.52	4594.38	358.12	12.85	PASS	
8925.00†	7047.74	868.12	2506.40	7016.74	7047.74	1364.26	6973.81	-92.47	4494.88	358.19	12.57	PASS	
9025.00†	7047.30	869.08	2606.39	7016.30	7047.30	1364.26	6973.81	-92.41	4395.40	358.27	12.29	PASS	
9125.00†	7046.86	870.04	2706.38	7015.86	7046.86	1364.26	6973.81	-92.36	4295.95	358.37	12.01	PASS	
9225.00†	7046.43	871.00	2806.38	7015.43	7046.43	1364.26	6973.81	-92.30	4196.52	358.49	11.73	PASS	
9325.00†	7045.99	871.96	2906.37	7014.99	7045.99	1364.26	6973.81	-92.25	4097.12	358.62	11.45	PASS	
9425.00†	7045.56	872.92	3006.37	7014.56	7045.56	1364.26	6973.81	-92.19	3997.75	358.78	11.16	PASS	
9525.00†	7045.12	873.88	3106.36	7014.12	7045.12	1364.26	6973.81	-92.14	3898.42	358.97	10.88	PASS	
9625.00†	7044.68	874.84	3206.36	7013.68	7044.68	1364.26	6973.81	-92.08	3799.11	359.18	10.60	PASS	
9725.00†	7044.25	875.80	3306.35	7013.25	7044.25	1364.26	6973.81	-92.03	3699.85	359.42	10.31	PASS	
9825.00†	7043.81	876.76	3406.35	7012.81	7043.81	1364.26	6973.81	-91.97	3600.62	359.70	10.03	PASS	
9925.00†	7043.37	877.72	3506.34	7012.37	7043.37	1364.26	6973.81	-91.91	3501.44	360.01	9.74	PASS	
10025.00†	7042.94	878.68	3606.33	7011.94	7042.94	1364.26	6973.81	-91.86	3402.31	360.37	9.46	PASS	
10125.00†	7042.50	879.64	3706.33	7011.50	7042.50	1364.26	6973.81	-91.80	3303.23	360.78	9.17	PASS	
10225.00†	7042.07	880.60	3806.32	7011.07	7042.07	1364.26	6973.81	-91.75	3204.20	361.24	8.89	PASS	
10325.00†	7041.63	881.56	3906.32	7010.63	7041.63	1364.26	6973.81	-91.69	3105.24	361.77	8.60	PASS	
10425.00†	7041.19	882.52	4006.31	7010.19	7041.19	1364.26	6973.81	-91.64	3006.35	362.36	8.31	PASS	
10525.00†	7040.76	883.48	4106.31	7009.76	7040.76	1364.26	6973.81	-91.58	2907.53	363.04	8.02	PASS	
10625.00†	7040.32	884.44	4206.30	7009.32	7040.32	1364.26	6973.81	-91.53	2808.80	363.80	7.73	PASS	
10725.00†	7039.88	885.40	4306.30	7008.88	7039.88	1364.26	6973.81	-91.47	2710.16	364.67	7.44	PASS	
10825.00†	7039.45	886.36	4406.29	7008.45	7039.45	1364.26	6973.81	-91.42	2611.62	365.66	7.15	PASS	
10925.00†	7039.01	887.32	4506.28	7008.01	7039.01	1364.26	6973.81	-91.36	2513.20	366.77	6.86	PASS	
11025.00†	7038.57	888.28	4606.28	7007.57	7038.57	1364.26	6973.81	-91.31	2414.91	368.04	6.57	PASS	
11125.00†	7038.14	889.24	4706.27	7007.14	7038.14	1364.26	6973.81	-91.25	2316.76	369.49	6.28	PASS	
11225.00†	7037.70	890.20	4806.27	7006.70	7037.70	1364.26	6973.81	-91.20	2218.78	371.13	5.99	PASS	
11325.00†	7037.27	891.16	4906.26	7006.27	7037.27	1364.26	6973.81	-91.14	2120.99	373.00	5.70	PASS	
11425.00†	7036.83	892.12	5006.26	7005.83	7036.83	1364.26	6973.81	-91.09	2023.41	375.14	5.40	PASS	
11525.00†	7036.39	893.08	5106.25	7005.39	7036.39	1364.26	6973.81	-91.03	1926.08	377.58	5.11	PASS	
11625.00†	7035.96	894.04	5206.25	7004.96	7035.96	1364.26	6973.81	-90.98	1829.04	380.39	4.82	PASS	
11725.00†	7035.52	895.00	5306.24	7004.52	7035.52	1364.26	6973.81	-90.92	1732.34	383.60	4.52	PASS	
11825.00†	7035.08	895.96	5406.23	7004.08	7035.08	1364.26	6973.81	-90.87	1636.03	387.31	4.23	PASS	
11925.00†	7034.65	896.92	5506.23	7003.65	7034.65	1364.26	6973.81	-90.81	1540.20	391.59	3.94	PASS	
12025.00†	7034.21	897.88	5606.22	7003.21	7034.21	1364.26	6973.81	-90.76	1444.93	396.56	3.65	PASS	
12125.00†	7033.78	898.84	5706.22	7002.78	7033.78	1364.26	6973.81	-90.70	1350.34	402.34	3.36	PASS	
12225.00†	7033.34	899.80	5806.21	7002.34	7033.34	1364.26	6973.81	-90.65	1256.59	409.10	3.08	PASS	
12325.00†	7032.90	900.76	5906.21	7001.90	7032.90	1364.26	6973.81	-90.59	1163.88	417.04	2.79	PASS	
12425.00†	7032.47	901.72	6006.20	7001.47	7032.47	1364.26	6973.81	-90.54	1072.48	426.41	2.52	PASS	
12525.00†	7032.03	902.68	6106.20	7001.03	7032.03	1364.26	6973.81	-90.48	982.76	437.54	2.25	PASS	
12625.00†	7031.59	903.64	6206.19	7000.59	7031.59	1364.26	6973.81	-90.43	895.22	450.80	1.99	PASS	
12725.00†	7031.16	904.60	6306.18	7000.16	7031.16	1364.26	6973.81	-90.37	810.56	466.64	1.74	PASS	
12789.77	7030.87	905.22	6370.95	6999.87	7030.87	1364.26	6973.81	-90.34	757.73	478.50	1.58	PASS	
12825.00†	7030.72	905.34	6406.18	6999.72	7030.72	1364.26	6973.81	-90.31	729.94	485.59	1.50	PASS	
12913.21	7030.34	903.75	6494.37	6999.34	7030.34	1364.26	6973.81	-90.24	664.78	505.68	1.32	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	6999.29	7030.29	1364.26	6973.81	-90.24	656.61	508.61	1.29	PASS	
13025.00†	7029.85	900.00	6606.10	6998.85	7029.85	1364.26	6973.81	-90.18	592.24	535.08	1.11	PASS	
13125.00†	7029.42	896.65	6706.04	6998.42	7029.42	1364.26	6973.81	-90.13	538.85	563.19	0.96	FAIL	
13225.00†	7028.99	893.31	6805.98	6997.99	7028.99	1364.26	6973.81	-90.08	499.96	589.62	0.85	FAIL	
13325.00†	7028.55	889.96	6905.93	6997.55	7028.55	1364.26	6973.81	-90.03	479.13	609.33	0.79	FAIL	
13380.00†	7028.31	888.12	6960.90	6997.50	7028.50	1364.26	6973.81	-90.02	476.32	615.50	0.77	FAIL	
13397.19†	7028.24	887.54	6978.08	6997.24	7028.24	1364.26	6973.81	-89.99	476.74	616.63	0.77	FAIL	
13425.00†	7028.12	886.61	7005.87	6997.12	7028.12	1364.26	6973.81	-89.98	478.72	617.66	0.77	FAIL	
13525.00†	7027.68	883.26	7105.81	6996.68	7027.68	1364.26	6973.81	-89.92	498.78	613.50	0.81	FAIL	
13625.00†	7027.25	879.91	7205.76	6996.25	7027.25	1364.26	6973.81	-89.87	537.02	599.92	0.90	FAIL	
13725.00†	7026.82	876.56	7305.70	6995.82	7026.82	1364.26	6973.81	-89.82	589.91	581.55	1.01	PASS	
13825.00†	7026.38	873.22	7405.64	6995.38	7026.38	1364.26	6973.81	-89.77	653.91	562.10	1.16	PASS	
13925.00†	7025.95	869.87	7505.58	6994.95	7025.95	1364.26	6973.81	-89.71	726.09	543.66	1.34	PASS	
14025.00†	7025.52	866.52	7605.53	6994.52	7025.52	1364.26	6973.81	-89.66	804.24	527.08	1.53	PASS	
14125.00†	7025.08	863.17	7705.47	6994.08	7025.08	1364.26	6973.81	-89.61	886.80	512.55	1.73	PASS	
14225.00†	7024.65	859.82	7805.41	6993.65	7024.65	1364.26	6973.81	-89.56	972.63	499.95	1.95	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 40N-23C-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°FNL, 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	0.00	180.00	139.90	1.56	231.56	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	-139.90	0.00	180.00	139.90	1.89	150.60	PASS
225.00†	225.00	0.00	0.00	225.42	225.42	-139.86	-0.11	-179.96	139.86	2.45	93.34	PASS
300.00	300.00	0.00	0.00	301.63	301.61	-139.29	-1.70	-179.30	139.31	2.94	70.12	PASS
325.00†	325.00	0.10	0.05	327.00	326.96	-138.95	-2.65	151.77	139.09	3.10	64.70	PASS
354.12†	354.12	0.45	0.25	356.67	356.59	-138.46	-4.03	152.42	138.99	3.37	57.26	PASS
425.00†	424.96	2.38	1.34	428.20	427.96	-136.84	-8.55	154.72	139.60	4.03	45.15	PASS
525.00†	524.77	7.70	4.33	528.57	527.85	-133.56	-17.72	159.50	143.01	5.30	32.78	PASS
625.00†	624.30	16.05	9.03	627.71	626.12	-129.17	-30.01	165.63	150.39	6.45	27.26	PASS
723.07	721.54	27.18	15.28	723.48	720.69	-124.07	-44.30	172.06	162.56	7.57	24.45	PASS
725.00†	723.44	27.43	15.42	725.36	722.54	-123.97	-44.59	172.18	162.86	7.60	24.40	PASS
825.00†	822.35	40.25	22.63	822.59	818.50	-118.71	-59.29	177.89	178.88	8.37	24.02	PASS
925.00†	921.27	53.08	29.85	919.82	914.47	-113.46	-74.00	-177.36	196.38	9.15	23.87	PASS
1025.00†	1020.18	65.91	37.06	1017.05	1010.44	-108.20	-88.70	-173.39	215.00	9.93	23.87	PASS
1125.00†	1119.09	78.73	44.27	1114.28	1106.41	-102.95	-103.40	-170.06	234.47	10.74	23.89	PASS
1225.00†	1218.00	91.56	51.48	1211.51	1202.38	-97.70	-118.11	-167.24	254.60	11.48	24.13	PASS
1325.00†	1316.91	104.38	58.69	1308.74	1298.34	-92.44	-132.81	-164.83	275.24	12.29	24.22	PASS
1425.00†	1415.82	117.21	65.91	1405.97	1394.31	-87.19	-147.52	-162.75	296.29	13.09	24.36	PASS
1525.00†	1514.73	130.03	73.12	1503.20	1490.28	-81.93	-162.22	-160.95	317.67	13.90	24.49	PASS
1625.00†	1613.65	142.86	80.33	1600.43	1586.25	-76.68	-176.93	-159.38	339.31	14.71	24.61	PASS
1725.00†	1712.56	155.69	87.54	1697.66	1682.22	-71.43	-191.63	-157.99	361.16	15.54	24.72	PASS
1825.00†	1811.47	168.51	94.75	1794.89	1778.18	-66.17	-206.34	-156.77	383.20	15.78	25.37	PASS
1925.00†	1910.38	181.34	101.97	1892.12	1874.15	-60.92	-221.04	-155.67	405.38	15.93	26.59	PASS
2025.00†	2009.29	194.16	109.18	1989.35	1970.12	-55.66	-235.74	-154.69	427.69	16.07	27.79	PASS
2125.00†	2108.20	206.99	116.39	2086.58	2066.09	-50.41	-250.45	-153.81	450.11	16.29	28.84	PASS
2225.00†	2207.12	219.81	123.60	2183.81	2162.06	-45.16	-265.15	-153.01	472.62	16.58	29.72	PASS
2325.00†	2306.03	232.64	130.81	2281.04	2258.02	-39.90	-279.86	-152.28	495.21	16.94	30.46	PASS
2425.00†	2404.94	245.47	138.02	2378.27	2353.99	-34.65	-294.56	-151.62	517.87	17.37	31.04	PASS
2525.00†	2503.85	258.29	145.24	2475.50	2449.96	-29.39	-309.27	-151.01	540.59	17.85	31.50	PASS
2625.00†	2602.76	271.12	152.45	2572.73	2545.93	-24.14	-323.97	-150.45	563.37	18.39	31.83	PASS
2725.00†	2701.67	283.94	159.66	2669.96	2641.90	-18.88	-338.68	-149.93	586.19	18.97	32.06	PASS
2825.00†	2800.58	296.77	166.87	2767.19	2737.86	-13.63	-353.38	-149.45	609.05	19.60	32.20	PASS
2925.00†	2899.50	309.59	174.08	2864.42	2833.83	-8.38	-368.08	-149.01	631.95	20.27	32.27	PASS
3025.00†	2998.41	322.42	181.30	2961.65	2929.80	-3.12	-382.79	-148.60	654.89	20.97	32.28	PASS
3125.00†	3097.32	335.25	188.51	3058.88	3025.77	2.13	-397.49	-148.21	677.85	21.71	32.25	PASS
3225.00†	3196.23	348.07	195.72	3156.11	3121.74	7.39	-412.20	-147.85	700.84	22.47	32.17	PASS
3325.00†	3295.14	360.90	202.93	3253.34	3217.70	12.64	-426.90	-147.52	723.86	23.27	32.06	PASS
3425.00†	3394.05	373.72	210.14	3350.57	3313.67	17.89	-441.61	-147.20	746.90	24.08	31.93	PASS
3525.00†	3492.97	386.55	217.36	3447.80	3409.64	23.15	-456.31	-146.90	769.96	24.92	31.78	PASS
3625.00†	3591.88	399.38	224.57	3545.03	3505.61	28.40	-471.02	-146.62	793.03	25.77	31.61	PASS
3725.00†	3690.79	412.20	231.78	3642.26	3601.58	33.66	-485.72	-146.36	816.13	26.64	31.44	PASS
3825.00†	3789.70	425.03	238.99	3739.49	3697.54	38.91	-500.42	-146.11	839.24	27.53	31.26	PASS
3925.00†	3888.61	437.85	246.20	3836.72	3793.51	44.16	-515.13	-145.88	862.36	28.43	31.08	PASS
4025.00†	3987.52	450.68	253.42	3933.95	3889.48	49.42	-529.83	-145.65	885.50	29.35	30.89	PASS
4125.00†	4086.43	463.50	260.63	4031.18	3985.45	54.67	-544.54	-145.44	908.64	30.27	30.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4225.00†	4185.35	476.33	267.84	4128.41	4081.42	59.93	-559.24	-145.24	931.80	31.21	30.53	PASS	
4325.00†	4284.26	489.16	275.05	4225.64	4177.38	65.18	-573.95	-145.05	954.97	32.15	30.35	PASS	
4425.00†	4383.17	501.99	282.26	4322.87	4273.35	70.43	-588.65	-144.86	978.15	33.11	30.17	PASS	
4525.00†	4482.08	514.81	289.47	4420.10	4369.32	75.69	-603.36	-144.69	1001.34	34.07	29.99	PASS	
4625.00†	4580.99	527.63	296.69	4517.33	4465.29	80.94	-618.06	-144.52	1024.54	35.04	29.82	PASS	
4725.00†	4679.90	540.46	303.90	4614.56	4561.26	86.20	-632.76	-144.36	1047.75	36.01	29.66	PASS	
4825.00†	4778.82	553.28	311.11	4711.79	4657.22	91.45	-647.47	-144.21	1070.96	37.00	29.49	PASS	
4925.00†	4877.73	566.11	318.32	4809.02	4753.19	96.70	-662.17	-144.07	1094.18	37.98	29.33	PASS	
5025.00†	4976.64	578.94	325.53	4906.25	4849.16	101.96	-676.88	-143.93	1117.40	38.98	29.18	PASS	
5125.00†	5075.55	591.76	332.75	5003.48	4945.13	107.21	-691.58	-143.79	1140.63	39.97	29.03	PASS	
5225.00†	5174.46	604.59	339.96	5100.71	5041.10	112.47	-706.29	-143.66	1163.87	40.98	28.89	PASS	
5325.00†	5273.37	617.41	347.17	5197.94	5137.06	117.72	-720.99	-143.54	1187.12	41.98	28.74	PASS	
5425.00†	5372.28	630.24	354.38	5295.17	5233.03	122.97	-735.70	-143.42	1210.36	42.99	28.61	PASS	
5525.00†	5471.20	643.07	361.59	5392.40	5329.00	128.23	-750.40	-143.31	1233.62	44.01	28.48	PASS	
5625.00†	5570.11	655.89	368.81	5489.63	5424.97	133.48	-765.10	-143.20	1256.87	45.02	28.35	PASS	
5725.00†	5669.02	668.72	376.02	5586.86	5520.94	138.74	-779.81	-143.09	1280.13	46.04	28.22	PASS	
5825.00†	5767.93	681.54	383.23	5684.09	5616.90	143.99	-794.51	-142.99	1303.40	47.07	28.10	PASS	
5925.00†	5866.84	694.37	390.44	5781.32	5712.87	149.24	-809.21	-142.88	1326.65	48.09	27.98	PASS	
6025.00†	5965.75	707.19	397.65	5878.55	5808.84	154.49	-823.91	-142.78	1349.90	49.11	27.86	PASS	
6125.00†	6064.66	720.02	404.87	5975.78	5904.71	159.74	-838.61	-142.68	1373.15	50.13	27.74	PASS	
6225.00†	6163.58	732.85	412.08	6073.01	6000.64	165.00	-853.31	-142.58	1396.40	51.15	27.62	PASS	
6325.00†	6262.49	745.67	419.29	6170.24	6096.57	170.25	-868.01	-142.48	1419.65	52.17	27.50	PASS	
6425.00†	6361.40	758.50	426.50	6267.47	6192.50	175.50	-882.71	-142.38	1442.90	53.19	27.38	PASS	
6525.00†	6460.31	771.32	433.71	6364.70	6288.43	180.75	-897.41	-142.28	1466.15	54.21	27.26	PASS	
6533.75	6468.97	772.45	434.34	6373.04	6296.87	181.88	-900.00	-142.27	1468.00	54.38	27.25	PASS	
6625.00†	6558.44	784.11	447.41	6470.27	6392.80	187.13	-914.71	-142.17	1491.25	55.40	27.13	PASS	
6725.00†	6657.35	796.93	454.62	6567.50	6488.73	192.38	-929.41	-142.07	1514.50	56.42	27.01	PASS	
6825.00†	6756.26	809.75	461.83	6664.73	6584.66	197.63	-944.11	-141.97	1537.75	57.44	26.89	PASS	
6925.00†	6855.17	822.57	469.04	6761.96	6680.59	202.88	-958.81	-141.87	1561.00	58.46	26.77	PASS	
7025.00†	6954.08	835.39	476.25	6859.19	6776.52	208.13	-973.51	-141.77	1584.25	59.48	26.65	PASS	
7125.00†	7053.00	848.21	483.46	6956.42	6872.45	213.38	-988.21	-141.67	1607.50	60.50	26.53	PASS	
7225.00†	7151.91	861.03	490.67	7053.65	6968.38	218.63	-1002.91	-141.57	1630.75	61.52	26.41	PASS	
7325.00†	7250.82	873.85	497.88	7150.88	7064.31	223.88	-1017.61	-141.47	1654.00	62.54	26.29	PASS	
7425.00†	7349.73	886.67	505.09	7248.11	7160.24	229.13	-1032.31	-141.37	1677.25	63.56	26.17	PASS	
7489.77	7358.64	899.49	512.30	7345.34	7256.17	234.38	-1047.01	-141.27	1700.50	64.58	26.05	PASS	
7525.00†	7457.55	912.31	519.51	7442.57	7352.10	239.63	-1061.71	-141.17	1723.75	65.60	25.93	PASS	
7625.00†	7556.46	925.13	526.72	7539.80	7448.03	244.88	-1076.41	-141.07	1747.00	66.62	25.81	PASS	
7725.00†	7655.37	937.95	533.93	7637.03	7543.96	250.13	-1091.11	-140.97	1770.25	67.64	25.69	PASS	
7825.00†	7754.28	950.77	541.14	7734.26	7639.89	255.38	-1105.81	-140.87	1793.50	68.66	25.57	PASS	
7925.00†	7853.19	963.59	548.35	7831.49	7735.82	260.63	-1120.51	-140.77	1816.75	69.68	25.45	PASS	
8025.00†	7952.10	976.41	555.56	7928.72	7831.75	265.88	-1135.21	-140.67	1840.00	70.70	25.33	PASS	
8125.00†	8051.01	989.23	562.77	8025.95	7927.68	271.13	-1149.91	-140.57	1863.25	71.72	25.21	PASS	
8225.00†	8149.92	1002.05	569.98	8123.18	8023.61	276.38	-1164.61	-140.47	1886.50	72.74	25.09	PASS	
8325.00†	8248.83	1014.87	577.19	8220.41	8119.54	281.63	-1179.31	-140.37	1909.75	73.76	24.97	PASS	
8425.00†	8347.74	1027.69	584.40	8317.64	8215.47	286.88	-1194.01	-140.27	1933.00	74.78	24.85	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8525.00†	7049.48	864.28	2106.42	9861.67	7039.54	214.71	2104.84	89.12	649.65	223.34	2.91	PASS	
8625.00†	7049.05	865.24	2206.41	9961.67	7039.35	214.46	2204.83	89.14	650.85	232.07	2.81	PASS	
8725.00†	7048.61	866.20	2306.41	10061.66	7039.16	214.22	2304.82	89.17	652.05	240.85	2.71	PASS	
8825.00†	7048.17	867.16	2406.40	10161.65	7038.98	213.98	2404.81	89.19	653.24	249.67	2.62	PASS	
8925.00†	7047.74	868.12	2506.40	10261.64	7038.79	213.74	2504.81	89.21	654.44	258.52	2.54	PASS	
9025.00†	7047.30	869.08	2606.39	10361.64	7038.60	213.50	2604.80	89.24	655.64	267.40	2.46	PASS	
9125.00†	7046.86	870.04	2706.38	10461.63	7038.41	213.26	2704.79	89.26	656.83	276.31	2.38	PASS	
9225.00†	7046.43	871.00	2806.38	10561.62	7038.23	213.02	2804.78	89.28	658.03	285.25	2.31	PASS	
9325.00†	7045.99	871.96	2906.37	10661.61	7038.04	212.78	2904.77	89.31	659.23	294.20	2.24	PASS	
9425.00†	7045.56	872.92	3006.37	10761.61	7037.85	212.54	3004.77	89.33	660.43	303.18	2.18	PASS	
9525.00†	7045.12	873.88	3106.36	10861.60	7037.66	212.30	3104.76	89.35	661.62	312.17	2.12	PASS	
9625.00†	7044.68	874.84	3206.36	10961.59	7037.47	212.06	3204.75	89.37	662.82	321.18	2.07	PASS	
9725.00†	7044.25	875.80	3306.35	11061.58	7037.29	211.82	3304.74	89.40	664.02	330.21	2.01	PASS	
9825.00†	7043.81	876.76	3406.35	11161.58	7037.10	211.58	3404.73	89.42	665.22	339.25	1.96	PASS	
9925.00†	7043.37	877.72	3506.34	11261.57	7036.91	211.34	3504.73	89.44	666.41	348.30	1.92	PASS	
10025.00†	7042.94	878.68	3606.33	11361.56	7036.72	211.10	3604.72	89.46	667.61	357.36	1.87	PASS	
10125.00†	7042.50	879.64	3706.33	11461.55	7036.54	210.86	3704.71	89.49	668.81	366.43	1.83	PASS	
10225.00†	7042.07	880.60	3806.32	11561.55	7036.35	210.62	3804.70	89.51	670.01	375.51	1.79	PASS	
10325.00†	7041.63	881.56	3906.32	11661.54	7036.16	210.38	3904.70	89.53	671.20	384.60	1.75	PASS	
10425.00†	7041.19	882.52	4006.31	11761.53	7035.97	210.14	4004.69	89.55	672.40	393.70	1.71	PASS	
10525.00†	7040.76	883.48	4106.31	11861.52	7035.78	209.90	4104.68	89.57	673.60	402.80	1.67	PASS	
10625.00†	7040.32	884.44	4206.30	11961.52	7035.60	209.66	4204.67	89.60	674.80	411.92	1.64	PASS	
10725.00†	7039.88	885.40	4306.30	12061.51	7035.41	209.42	4304.66	89.62	676.00	421.03	1.61	PASS	
10825.00†	7039.45	886.36	4406.29	12161.50	7035.22	209.18	4404.66	89.64	677.20	430.16	1.58	PASS	
10925.00†	7039.01	887.32	4506.28	12261.49	7035.03	208.94	4504.65	89.66	678.39	439.29	1.55	PASS	
11025.00†	7038.57	888.28	4606.28	12361.49	7034.85	208.70	4604.64	89.68	679.59	448.42	1.52	PASS	
11125.00†	7038.14	889.24	4706.27	12461.48	7034.66	208.46	4704.63	89.70	680.79	457.56	1.49	PASS	
11225.00†	7037.70	890.20	4806.27	12561.47	7034.47	208.22	4804.62	89.73	681.99	466.70	1.46	PASS	
11325.00†	7037.27	891.16	4906.26	12661.46	7034.28	207.98	4904.62	89.75	683.19	475.85	1.44	PASS	
11425.00†	7036.83	892.12	5006.26	12761.46	7034.09	207.74	5004.61	89.77	684.39	485.01	1.41	PASS	
11525.00†	7036.39	893.08	5106.25	12861.45	7033.91	207.50	5104.60	89.79	685.59	494.16	1.39	PASS	
11625.00†	7035.96	894.04	5206.25	12961.44	7033.72	207.26	5204.59	89.81	686.79	503.32	1.37	PASS	
11725.00†	7035.52	895.00	5306.24	13061.43	7033.53	207.02	5304.58	89.83	687.99	512.48	1.34	PASS	
11825.00†	7035.08	895.96	5406.23	13161.43	7033.34	206.78	5404.58	89.85	689.19	521.65	1.32	PASS	
11925.00†	7034.65	896.92	5506.23	13261.42	7033.16	206.54	5504.57	89.87	690.39	530.82	1.30	PASS	
12025.00†	7034.21	897.88	5606.22	13361.41	7032.97	206.30	5604.56	89.89	691.59	539.99	1.28	PASS	
12125.00†	7033.78	898.84	5706.22	13461.40	7032.78	206.06	5704.55	89.92	692.79	549.16	1.26	PASS	
12225.00†	7033.34	899.80	5806.21	13561.40	7032.59	205.82	5804.54	89.94	693.99	558.34	1.24	PASS	
12325.00†	7032.90	900.76	5906.21	13661.39	7032.41	205.58	5904.54	89.96	695.19	567.52	1.23	PASS	
12425.00†	7032.47	901.72	6006.20	13761.38	7032.22	205.33	6004.53	89.98	696.39	576.70	1.21	PASS	
12525.00†	7032.03	902.68	6106.20	13861.37	7032.03	205.09	6104.52	90.00	697.59	585.89	1.19	PASS	
12625.00†	7031.59	903.64	6206.19	13961.37	7031.84	204.85	6204.51	90.02	698.79	595.07	1.17	PASS	
12725.00†	7031.16	904.60	6306.18	14061.36	7031.65	204.61	6304.50	90.04	699.99	604.26	1.16	PASS	
12789.77	7030.87	905.22	6370.95	14126.12	7031.53	204.46	6369.27	90.05	700.76	610.21	1.15	PASS	
12825.00†	7030.72	905.34	6406.18	14161.35	7031.47	204.37	6404.50	90.06	700.97	613.45	1.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12913.21	7030.34	903.75	6494.37	14249.55	7031.30	204.16	6492.69	90.09	699.59	621.56	1.13	PASS	
12925.00†	7030.29	903.35	6506.15	14261.33	7031.28	204.13	6504.48	90.09	699.22	622.65	1.12	PASS	
13025.00†	7029.85	900.00	6606.10	14361.28	7031.09	203.89	6604.43	90.11	696.11	631.85	1.10	PASS	
13125.00†	7029.42	896.65	6706.04	14461.23	7030.90	203.65	6704.38	90.13	693.00	641.06	1.08	PASS	
13225.00†	7028.99	893.31	6805.98	14561.19	7030.72	203.41	6804.33	90.15	689.90	650.27	1.06	PASS	
13325.00†	7028.55	889.96	6905.93	14661.14	7030.53	203.17	6904.28	90.17	686.79	659.47	1.04	PASS	
13425.00†	7028.12	886.61	7005.87	14761.09	7030.34	202.93	7004.23	90.19	683.68	668.69	1.02	PASS	
13525.00†	7027.68	883.26	7105.81	14861.04	7030.15	202.69	7104.18	90.22	680.57	677.90	1.00	PASS	
13625.00†	7027.25	879.91	7205.76	14960.99	7029.96	202.45	7204.13	90.24	677.47	687.11	0.99	FAIL	
13725.00†	7026.82	876.56	7305.70	15060.94	7029.78	202.21	7304.08	90.26	674.36	696.32	0.97	FAIL	
13825.00†	7026.38	873.22	7405.64	15160.89	7029.59	201.97	7404.03	90.28	671.25	705.54	0.95	FAIL	
13925.00†	7025.93	869.87	7505.58	15260.85	7029.40	201.73	7503.99	90.30	668.15	714.76	0.93	FAIL	
14025.00†	7025.52	866.52	7605.53	15360.80	7029.21	201.49	7603.94	90.33	665.04	723.98	0.92	FAIL	
14125.00†	7025.08	863.17	7705.47	15460.75	7029.03	201.25	7703.89	90.35	661.93	733.20	0.90	FAIL	
14225.00†	7024.65	859.82	7805.41	15560.70	7028.84	201.01	7803.84	90.37	658.83	742.42	0.89	FAIL	
14325.00†	7024.22	856.47	7905.36	15660.65	7028.65	200.77	7903.79	90.40	655.72	751.64	0.87	FAIL	
14425.00†	7023.78	853.13	8005.30	15760.60	7028.46	200.53	8003.74	90.42	652.61	760.86	0.86	FAIL	
14525.00†	7023.35	849.78	8105.24	15860.55	7028.28	200.29	8103.69	90.44	649.51	770.08	0.84	FAIL	
14625.00†	7022.92	846.43	8205.19	15960.51	7028.09	200.05	8203.64	90.47	646.40	779.31	0.83	FAIL	
14725.00†	7022.48	843.08	8305.13	16060.46	7027.90	199.81	8303.59	90.49	643.30	788.53	0.82	FAIL	
14825.00†	7022.05	839.73	8405.07	16160.41	7027.71	199.57	8403.54	90.52	640.19	797.76	0.80	FAIL	
14836.05	7022.00	839.36	8416.11	16171.45	7027.69	199.54	8414.59	90.52	639.85	798.77	0.80	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)

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

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-26C-L PWB Offset Wellpath: TROUDT 1N-26C-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1733.88	-85.28	0.00	-63.55	-60.82
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.88	-85.28	0.00	-63.55	-60.82
8.5in Open Hole	1750.00	16539.93	14789.93	1733.88	7027.00	-63.55	-60.82	17.91	2677.08

SURVEY PROGRAM - Offset Wellbore: 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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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°FNL, 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	-45.08	-90.00	45.08	1.56	73.52	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-45.08	-90.00	45.08	1.88	48.04	PASS	
225.00†	225.00	0.00	0.00	225.13	225.13	0.10	-45.04	-89.87	45.04	2.44	29.80	PASS	
300.00	300.00	0.00	0.00	300.48	300.46	1.66	-44.50	-87.86	44.53	2.92	22.32	PASS	
325.00†	325.00	0.10	0.05	325.57	325.53	2.60	-44.18	-116.11	44.31	3.07	20.59	PASS	
415.99†	415.96	2.05	1.15	416.92	416.71	7.76	-42.39	-111.90	43.92	3.71	15.65	PASS	
425.00†	424.96	2.38	1.34	425.87	425.63	8.41	-42.17	-111.47	43.93	3.77	15.32	PASS	
525.00†	524.77	7.70	4.33	526.03	525.33	17.51	-39.02	-106.60	44.45	4.50	12.31	PASS	
625.00†	624.30	16.05	9.03	626.06	624.49	29.89	-34.74	-101.76	45.90	5.27	10.45	PASS	
723.07	721.54	27.18	15.28	724.01	721.10	45.16	-29.45	-97.29	48.22	6.17	9.07	PASS	
725.00†	723.44	27.43	15.42	725.94	722.99	45.50	-29.34	-97.21	48.27	6.19	9.05	PASS	
825.00†	822.35	40.25	22.63	825.57	820.61	64.29	-22.83	-91.18	51.46	7.30	7.96	PASS	
925.00†	921.27	53.08	29.85	924.95	917.31	85.94	-15.34	-82.81	56.01	8.61	7.20	PASS	
1025.00†	1020.18	65.91	37.06	1024.48	1014.03	108.14	-7.66	-75.31	61.82	9.90	6.81	PASS	
1125.00†	1119.09	78.73	44.27	1124.02	1110.75	130.35	0.03	-69.19	68.49	11.11	6.66	PASS	
1225.00†	1218.00	91.56	51.48	1223.55	1207.47	152.55	7.71	-64.19	75.81	12.22	6.65	PASS	
1325.00†	1316.91	104.38	58.69	1323.09	1304.19	174.76	15.39	-60.09	83.61	13.25	6.73	PASS	
1425.00†	1415.82	117.21	65.91	1422.62	1400.91	196.97	23.08	-56.70	91.75	14.23	6.85	PASS	
1525.00†	1514.73	130.03	73.12	1522.15	1497.63	219.17	30.76	-53.88	100.16	15.15	6.99	PASS	
1625.00†	1613.65	142.86	80.33	1621.69	1594.36	241.38	38.44	-51.49	108.78	16.05	7.14	PASS	
1725.00†	1712.56	155.63	87.54	1721.22	1691.08	263.58	46.13	-49.46	117.55	16.93	7.30	PASS	
1825.00†	1811.47	168.51	94.75	1820.75	1787.80	285.79	53.81	-47.71	126.46	17.06	7.69	PASS	
1925.00†	1910.38	181.34	101.97	1920.29	1884.52	308.00	61.49	-46.19	135.46	17.05	8.25	PASS	
2025.00†	2009.29	194.16	109.18	2019.82	1981.24	330.20	69.18	-44.86	144.55	17.12	8.77	PASS	
2125.00†	2108.20	206.99	116.39	2119.36	2077.96	352.41	76.86	-43.69	153.70	17.27	9.24	PASS	
2225.00†	2207.12	219.81	123.60	2218.89	2174.68	374.61	84.54	-42.66	162.91	17.51	9.65	PASS	
2325.00†	2306.03	232.64	130.81	2318.42	2271.40	396.82	92.23	-41.73	172.17	17.83	10.01	PASS	
2425.00†	2404.94	245.47	138.02	2417.96	2368.12	419.03	99.91	-40.90	181.47	18.22	10.32	PASS	
2525.00†	2503.85	258.23	145.24	2517.49	2464.84	441.23	107.59	-40.14	190.80	18.68	10.58	PASS	
2625.00†	2602.76	271.12	152.45	2617.03	2561.56	463.44	115.28	-39.46	200.17	19.21	10.78	PASS	
2725.00†	2701.67	283.94	159.66	2716.56	2658.28	485.64	122.96	-38.84	209.55	19.79	10.95	PASS	
2825.00†	2800.58	296.77	166.87	2816.09	2755.00	507.85	130.65	-38.28	218.96	20.42	11.07	PASS	
2925.00†	2899.50	309.59	174.08	2915.63	2851.72	530.06	138.33	-37.76	228.39	21.09	11.17	PASS	
3025.00†	2998.41	322.42	181.30	3015.16	2948.44	552.26	146.01	-37.28	237.84	21.81	11.24	PASS	
3125.00†	3097.32	335.25	188.51	3114.69	3045.16	574.47	153.70	-36.83	247.30	22.56	11.28	PASS	
3225.00†	3196.23	348.07	195.72	3214.23	3141.88	596.67	161.38	-36.42	256.78	23.35	11.31	PASS	
3325.00†	3295.14	360.90	202.93	3313.76	3238.60	618.88	169.06	-36.04	266.27	24.17	11.32	PASS	
3425.00†	3394.05	373.72	210.14	3413.30	3335.32	641.08	176.75	-35.69	275.77	25.01	11.32	PASS	
3525.00†	3492.97	386.55	217.36	3512.83	3432.04	663.29	184.43	-35.36	285.27	25.87	11.31	PASS	
3625.00†	3591.88	399.38	224.57	3612.36	3528.76	685.50	192.11	-35.05	294.79	26.76	11.29	PASS	
3725.00†	3690.79	412.20	231.78	3711.90	3625.49	707.70	199.80	-34.76	304.32	27.67	11.26	PASS	
3825.00†	3789.70	425.03	238.99	3811.43	3722.21	729.91	207.48	-34.49	313.85	28.59	11.23	PASS	
3925.00†	3888.61	437.85	246.20	3910.97	3818.93	752.11	215.16	-34.23	323.39	29.53	11.20	PASS	
4025.00†	3987.52	450.68	253.42	4010.50	3915.65	774.32	222.85	-33.99	332.93	30.48	11.16	PASS	
4125.00†	4086.43	463.50	260.63	4110.03	4012.37	796.53	230.53	-33.76	342.48	31.45	11.12	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#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	
4225.00†	4185.35	476.33	267.84	4209.57	4109.09	818.73	238.21	-33.55	352.04	32.42	11.08	PASS	
4325.00†	4284.26	489.16	275.05	4309.10	4205.81	840.94	245.90	-33.34	361.60	33.41	11.04	PASS	
4425.00†	4383.17	501.98	282.26	4408.63	4302.53	863.14	253.58	-33.15	371.17	34.40	10.99	PASS	
4525.00†	4482.08	514.81	289.47	4508.17	4399.25	885.35	261.27	-32.96	380.73	35.41	10.95	PASS	
4625.00†	4580.99	527.63	296.69	4607.70	4495.97	907.56	268.95	-32.79	390.31	36.42	10.91	PASS	
4725.00†	4679.90	540.46	303.90	4707.24	4592.69	929.76	276.63	-32.62	399.88	37.44	10.87	PASS	
4825.00†	4778.82	553.28	311.11	4806.77	4689.41	951.97	284.32	-32.46	409.46	38.46	10.83	PASS	
4925.00†	4877.73	566.11	318.32	4906.30	4786.13	974.17	292.00	-32.31	419.04	39.49	10.79	PASS	
5025.00†	4976.64	578.94	325.53	5005.84	4882.85	996.38	299.68	-32.17	428.63	40.53	10.75	PASS	
5125.00†	5075.55	591.76	332.75	5105.37	4979.57	1018.59	307.37	-32.03	438.22	41.57	10.71	PASS	
5225.00†	5174.46	604.59	339.96	5204.91	5076.29	1040.79	315.05	-31.89	447.81	42.62	10.67	PASS	
5325.00†	5273.37	617.41	347.17	5304.44	5173.01	1063.00	322.73	-31.77	457.40	43.67	10.63	PASS	
5425.00†	5372.28	630.24	354.38	5403.97	5269.73	1085.20	330.42	-31.65	466.99	44.72	10.59	PASS	
5525.00†	5471.20	643.07	361.59	5503.51	5366.45	1107.41	338.10	-31.53	476.59	45.78	10.56	PASS	
5625.00†	5570.11	655.89	368.81	5603.04	5463.17	1129.61	345.78	-31.42	486.19	46.84	10.52	PASS	
5725.00†	5669.02	668.72	376.02	5702.58	5559.89	1151.82	353.47	-31.31	495.79	47.91	10.49	PASS	
5825.00†	5767.93	681.54	383.23	5802.11	5656.62	1174.03	361.15	-31.20	505.39	48.98	10.46	PASS	
5925.00†	5866.84	694.37	390.44	5901.64	5753.34	1196.23	368.84	-31.10	514.99	50.05	10.42	PASS	
6025.00†	5965.75	707.19	397.65	6001.18	5850.06	1218.44	376.52	-31.01	524.60	51.12	10.39	PASS	
6125.00†	6064.66	720.02	404.87	6100.71	5946.78	1240.64	384.20	-30.92	534.20	52.20	10.36	PASS	
6225.00†	6163.58	732.85	412.08	6200.24	6043.50	1262.85	391.89	-30.83	543.81	53.28	10.33	PASS	
6325.00†	6262.49	745.67	419.29	6299.78	6140.22	1285.06	399.57	-30.74	553.42	54.36	10.30	PASS	
6425.00†	6361.40	758.50	426.50	6399.31	6236.94	1307.26	407.25	-30.66	563.03	55.44	10.27	PASS	
6525.00†	6460.31	771.32	433.71	6498.85	6333.66	1329.47	414.94	-30.57	572.64	56.52	10.25	PASS	
6533.75	6468.97	772.45	434.34	6507.56	6342.12	1331.41	415.61	-30.57	573.48	56.62	10.24	PASS	
6625.00†	6558.44	784.11	447.41	6598.11	6430.12	1351.61	422.60	-30.48	582.36	57.67	10.21	PASS	
6725.00†	6657.35	796.93	454.62	6698.66	6527.63	1373.82	430.10	-30.39	591.24	58.75	10.18	PASS	
6825.00†	6756.26	809.75	467.43	6799.21	6625.15	1396.03	437.59	-30.30	600.12	59.83	10.15	PASS	
6925.00†	6855.17	822.57	480.24	6899.76	6722.67	1418.24	445.08	-30.21	609.00	60.91	10.12	PASS	
7025.00†	6954.08	835.39	493.05	6999.31	6820.19	1440.45	452.57	-30.12	617.88	62.00	10.09	PASS	
7125.00†	7053.00	848.21	505.86	7098.86	6917.71	1462.66	460.06	-30.03	626.76	63.08	10.06	PASS	
7225.00†	7151.91	861.03	518.67	7198.41	7015.23	1484.87	467.55	-29.94	635.64	64.16	10.03	PASS	
7325.00†	7250.82	873.85	531.48	7297.96	7112.75	1507.08	475.04	-29.85	644.52	65.24	10.00	PASS	
7425.00†	7349.73	886.67	544.29	7397.51	7210.27	1529.29	482.53	-29.76	653.40	66.32	9.97	PASS	
7489.77	7054.00	854.34	1071.25	7723.42	7170.00	1520.68	1073.10	-99.88	676.36	84.95	8.02	PASS	
7525.00†	7053.85	854.68	1106.47	7758.90	7169.84	1520.60	1108.58	-99.89	675.94	86.92	7.83	PASS	
7625.00†	7053.41	855.64	1206.47	7858.90	7169.39	1520.36	1208.57	-99.90	674.76	92.86	7.31	PASS	
7725.00†	7052.97	856.60	1306.46	7958.89	7168.95	1520.12	1308.57	-99.92	673.58	99.29	6.83	PASS	
7825.00†	7052.54	857.56	1406.46	8058.88	7168.50	1519.88	1408.56	-99.93	672.40	106.11	6.37	PASS	
7925.00†	7052.10	858.52	1506.45	8158.87	7168.05	1519.64	1508.55	-99.95	671.21	113.25	5.96	PASS	
8025.00†	7051.66	859.48	1606.45	8258.87	7167.60	1519.40	1608.54	-99.97	670.03	120.66	5.58	PASS	
8125.00†	7051.23	860.44	1706.44	8358.86	7167.15	1519.17	1708.53	-99.98	668.85	128.28	5.24	PASS	
8225.00†	7050.79	861.40	1806.43	8458.85	7166.70	1518.93	1808.52	-100.00	667.67	136.09	4.93	PASS	
8325.00†	7050.36	862.36	1906.43	8558.85	7166.25	1518.69	1908.52	-100.02	666.48	144.05	4.64	PASS	
8425.00†	7049.92	863.32	2006.42	8658.84	7165.80	1518.45	2008.51	-100.04	665.30	152.13	4.39	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8525.00†	7049.48	864.28	2106.42	8758.83	7165.35	1518.21	2108.50	-100.05	664.12	160.33	4.16	PASS	
8625.00†	7049.05	865.24	2206.41	8858.82	7164.90	1517.97	2208.49	-100.07	662.94	168.62	3.94	PASS	
8725.00†	7048.61	866.20	2306.41	8958.82	7164.46	1517.73	2308.48	-100.09	661.75	176.98	3.75	PASS	
8825.00†	7048.17	867.16	2406.40	9058.81	7164.01	1517.50	2408.47	-100.10	660.57	185.42	3.57	PASS	
8925.00†	7047.74	868.12	2506.40	9158.80	7163.56	1517.26	2508.46	-100.12	659.39	193.91	3.41	PASS	
9025.00†	7047.30	869.08	2606.39	9258.79	7163.11	1517.02	2608.46	-100.14	658.21	202.45	3.26	PASS	
9125.00†	7046.86	870.04	2706.38	9358.79	7162.66	1516.78	2708.45	-100.16	657.03	211.04	3.12	PASS	
9225.00†	7046.43	871.00	2806.38	9458.78	7162.21	1516.54	2808.44	-100.17	655.84	219.67	2.99	PASS	
9325.00†	7045.99	871.96	2906.37	9558.77	7161.76	1516.30	2908.43	-100.19	654.66	228.34	2.87	PASS	
9425.00†	7045.56	872.92	3006.37	9658.77	7161.31	1516.06	3008.42	-100.21	653.48	237.03	2.76	PASS	
9525.00†	7045.12	873.88	3106.36	9758.76	7160.86	1515.83	3108.41	-100.22	652.30	245.75	2.66	PASS	
9625.00†	7044.68	874.84	3206.36	9858.75	7160.41	1515.59	3208.41	-100.24	651.12	254.50	2.56	PASS	
9725.00†	7044.25	875.80	3306.35	9958.74	7159.97	1515.35	3308.40	-100.26	649.94	263.27	2.47	PASS	
9825.00†	7043.81	876.76	3406.35	10058.74	7159.52	1515.11	3408.39	-100.28	648.75	272.06	2.39	PASS	
9925.00†	7043.37	877.72	3506.34	10158.73	7159.07	1514.87	3508.38	-100.30	647.57	280.87	2.31	PASS	
10025.00†	7042.94	878.68	3606.33	10258.72	7158.62	1514.63	3608.37	-100.31	646.39	289.69	2.23	PASS	
10125.00†	7042.50	879.64	3706.33	10358.72	7158.17	1514.40	3708.36	-100.33	645.21	298.53	2.16	PASS	
10225.00†	7042.07	880.60	3806.32	10458.71	7157.72	1514.16	3808.35	-100.35	644.03	307.38	2.10	PASS	
10325.00†	7041.63	881.56	3906.32	10558.70	7157.27	1513.92	3908.35	-100.37	642.85	316.24	2.04	PASS	
10425.00†	7041.19	882.52	4006.31	10658.69	7156.82	1513.68	4008.34	-100.39	641.67	325.12	1.98	PASS	
10525.00†	7040.76	883.48	4106.31	10758.69	7156.37	1513.44	4108.33	-100.40	640.49	334.00	1.92	PASS	
10625.00†	7040.32	884.44	4206.30	10858.68	7155.92	1513.20	4208.32	-100.42	639.30	342.89	1.87	PASS	
10725.00†	7039.88	885.40	4306.30	10958.67	7155.48	1512.96	4308.31	-100.44	638.12	351.79	1.82	PASS	
10825.00†	7039.45	886.36	4406.29	11058.67	7155.03	1512.73	4408.30	-100.46	636.94	360.70	1.77	PASS	
10925.00†	7039.01	887.32	4506.28	11158.66	7154.58	1512.49	4508.29	-100.48	635.76	369.62	1.72	PASS	
11025.00†	7038.57	888.28	4606.28	11258.65	7154.13	1512.25	4608.29	-100.50	634.58	378.54	1.68	PASS	
11125.00†	7038.14	889.24	4706.27	11358.64	7153.68	1512.01	4708.28	-100.51	633.40	387.47	1.64	PASS	
11225.00†	7037.70	890.20	4806.27	11458.64	7153.23	1511.77	4808.27	-100.53	632.22	396.40	1.60	PASS	
11325.00†	7037.27	891.16	4906.26	11558.63	7152.78	1511.53	4908.26	-100.55	631.04	405.34	1.56	PASS	
11425.00†	7036.83	892.12	5006.26	11658.62	7152.33	1511.29	5008.25	-100.57	629.86	414.28	1.52	PASS	
11525.00†	7036.39	893.08	5106.25	11758.62	7151.88	1511.06	5108.24	-100.59	628.68	423.23	1.49	PASS	
11625.00†	7035.96	894.04	5206.25	11858.61	7151.43	1510.82	5208.24	-100.61	627.50	432.18	1.45	PASS	
11725.00†	7035.52	895.00	5306.24	11958.60	7150.98	1510.58	5308.23	-100.63	626.32	441.13	1.42	PASS	
11825.00†	7035.08	895.96	5406.23	12058.59	7150.54	1510.34	5408.22	-100.65	625.14	450.09	1.39	PASS	
11925.00†	7034.65	896.92	5506.23	12158.59	7150.09	1510.10	5508.21	-100.67	623.96	459.05	1.36	PASS	
12025.00†	7034.21	897.88	5606.22	12258.58	7149.64	1509.86	5608.20	-100.69	622.78	468.01	1.33	PASS	
12125.00†	7033.78	898.84	5706.22	12358.57	7149.19	1509.62	5708.19	-100.70	621.60	476.97	1.30	PASS	
12225.00†	7033.34	899.80	5806.21	12458.57	7148.74	1509.39	5808.18	-100.72	620.42	485.94	1.28	PASS	
12325.00†	7032.90	900.76	5906.21	12558.56	7148.29	1509.15	5908.18	-100.74	619.24	494.91	1.25	PASS	
12425.00†	7032.47	901.72	6006.20	12658.55	7147.84	1508.91	6008.17	-100.76	618.06	503.88	1.23	PASS	
12525.00†	7032.03	902.68	6106.20	12758.54	7147.39	1508.67	6108.16	-100.78	616.88	512.85	1.20	PASS	
12625.00†	7031.59	903.64	6206.19	12858.54	7146.94	1508.43	6208.15	-100.80	615.70	521.83	1.18	PASS	
12725.00†	7031.16	904.60	6306.18	12958.53	7146.49	1508.19	6308.14	-100.82	614.52	530.80	1.16	PASS	
12789.77	7030.87	905.22	6370.95	13023.30	7146.20	1508.04	6372.91	-100.84	613.76	536.61	1.14	PASS	
12825.00†	7030.72	905.34	6406.18	13058.52	7146.05	1507.95	6408.14	-100.83	613.55	539.79	1.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLOTH09 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	
12913.21	7030.34	903.75	6494.37	13146.72	7145.65	1507.74	6496.33	-100.81	614.91	547.79	1.12	PASS	
12925.00†	7030.29	903.35	6506.15	13158.50	7145.60	1507.72	6508.11	-100.80	615.27	548.87	1.12	PASS	
13025.00†	7029.85	900.00	6606.10	13258.46	7145.15	1507.48	6608.06	-100.74	618.32	558.00	1.11	PASS	
13125.00†	7029.42	896.65	6706.04	13358.41	7144.70	1507.24	6708.01	-100.69	621.38	567.13	1.10	PASS	
13225.00†	7028.99	893.31	6805.98	13458.36	7144.25	1507.00	6807.97	-100.64	624.43	576.27	1.08	PASS	
13325.00†	7028.55	889.96	6905.93	13558.31	7143.80	1506.76	6907.92	-100.58	627.48	585.42	1.07	PASS	
13425.00†	7028.12	886.61	7005.87	13658.26	7143.35	1506.52	7007.87	-100.53	630.54	594.56	1.06	PASS	
13525.00†	7027.68	883.26	7105.81	13758.21	7142.90	1506.29	7107.82	-100.48	633.59	603.71	1.05	PASS	
13625.00†	7027.25	879.91	7205.76	13858.16	7142.46	1506.05	7207.77	-100.42	636.65	612.86	1.04	PASS	
13725.00†	7026.82	876.56	7305.70	13958.12	7142.01	1505.81	7307.72	-100.37	639.70	622.02	1.03	PASS	
13825.00†	7026.38	873.22	7405.64	14058.07	7141.56	1505.57	7407.67	-100.32	642.76	631.18	1.02	PASS	
13925.00†	7025.95	869.87	7505.58	14158.02	7141.11	1505.33	7507.62	-100.27	645.82	640.34	1.01	PASS	
14025.00†	7025.52	866.52	7605.53	14257.97	7140.66	1505.09	7607.57	-100.22	648.88	649.51	1.00	FAIL	
14125.00†	7025.08	863.17	7705.47	14357.92	7140.21	1504.86	7707.52	-100.17	651.93	658.68	0.99	FAIL	
14225.00†	7024.65	859.82	7805.41	14457.87	7139.76	1504.62	7807.47	-100.12	654.99	667.85	0.98	FAIL	
14325.00†	7024.22	856.47	7905.36	14557.83	7139.31	1504.38	7907.42	-100.07	658.05	677.02	0.97	FAIL	
14425.00†	7023.78	853.13	8005.30	14657.78	7138.86	1504.14	8007.37	-100.02	661.11	686.20	0.96	FAIL	
14525.00†	7023.35	849.78	8105.24	14757.73	7138.42	1503.90	8107.32	-99.97	664.17	695.38	0.96	FAIL	
14625.00†	7022.92	846.43	8205.19	14857.68	7137.97	1503.66	8207.27	-99.93	667.23	704.56	0.95	FAIL	
14725.00†	7022.48	843.08	8305.13	14957.63	7137.52	1503.42	8307.22	-99.88	670.29	713.74	0.94	FAIL	
14825.00†	7022.05	839.73	8405.07	15057.58	7137.07	1503.19	8407.17	-99.83	673.35	722.93	0.93	FAIL	
14836.05	7022.00	839.36	8416.11	15068.63	7137.02	1503.16	8418.21	-99.83	673.69	723.94	0.93	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1719.04	0.00	-27.48	82.30	1.00
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.04	0.00	-27.48	82.30	1.00
8.5in Open Hole	1750.00	15072.98	13322.98	1719.04	N/A	82.30	1.00	N/A	N/A

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	159.93	1.56	264.95	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-159.93	0.00	180.00	159.93	1.89	172.45	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-159.93	0.00	180.00	159.93	2.45	106.60	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-159.93	0.00	180.00	159.93	2.90	82.04	PASS	
325.00†	325.00	0.10	0.05	325.22	325.22	-159.92	-0.11	150.71	160.01	3.05	76.22	PASS	
425.00†	424.96	2.38	1.34	425.96	425.92	-159.49	-2.73	152.08	161.93	3.89	54.97	PASS	
525.00†	524.77	7.70	4.33	526.07	525.83	-158.52	-8.80	155.11	166.74	5.11	40.02	PASS	
625.00†	624.30	16.05	9.03	625.07	624.38	-157.01	-18.19	159.47	175.19	6.20	33.26	PASS	
723.07	721.54	27.18	15.28	720.65	719.14	-155.04	-30.44	164.55	187.88	7.28	29.58	PASS	
725.00†	723.44	27.43	15.42	722.51	720.98	-154.99	-30.71	164.65	188.18	7.31	29.51	PASS	
825.00†	822.35	40.25	22.63	819.20	816.49	-152.59	-45.60	169.99	204.65	8.07	28.64	PASS	
925.00†	921.27	53.08	29.85	916.07	912.15	-150.17	-60.69	174.57	222.68	8.85	28.11	PASS	
1025.00†	1020.18	65.91	37.06	1012.95	1007.81	-147.74	-75.77	178.46	241.92	9.62	27.83	PASS	
1125.00†	1119.09	78.73	44.27	1109.82	1103.46	-145.31	-90.86	-178.22	262.10	10.39	27.72	PASS	
1225.00†	1218.00	91.56	51.48	1206.69	1199.12	-142.88	-105.95	-175.37	283.02	11.14	27.72	PASS	
1325.00†	1316.91	104.38	58.69	1303.56	1294.78	-140.45	-121.03	-172.92	304.53	11.87	27.82	PASS	
1425.00†	1415.82	117.21	65.91	1400.43	1390.44	-138.02	-136.12	-170.78	326.50	12.67	27.81	PASS	
1525.00†	1514.73	130.03	73.12	1497.30	1486.10	-135.59	-151.21	-168.92	348.86	13.44	27.88	PASS	
1625.00†	1613.65	142.86	80.33	1594.17	1581.76	-133.17	-166.30	-167.27	371.53	14.21	27.97	PASS	
1725.00†	1712.56	155.69	87.54	1691.05	1677.41	-130.74	-181.38	-165.82	394.45	14.99	28.05	PASS	
1825.00†	1811.47	168.51	94.75	1787.92	1773.07	-128.31	-196.47	-164.53	417.60	15.23	28.71	PASS	
1925.00†	1910.38	181.34	101.97	1884.79	1868.73	-125.88	-211.56	-163.37	440.92	15.39	29.99	PASS	
2025.00†	2009.29	194.16	109.18	1981.66	1964.39	-123.45	-226.65	-162.32	464.41	15.53	31.28	PASS	
2125.00†	2108.20	206.99	116.39	2078.53	2060.05	-121.02	-241.73	-161.38	488.02	15.76	32.39	PASS	
2225.00†	2207.12	219.81	123.60	2175.40	2155.71	-118.59	-256.82	-160.52	511.75	16.05	33.31	PASS	
2325.00†	2306.03	232.64	130.81	2272.27	2251.36	-116.16	-271.91	-159.74	535.57	16.42	34.05	PASS	
2425.00†	2404.94	245.47	138.02	2369.14	2347.02	-113.74	-287.00	-159.03	559.48	16.85	34.62	PASS	
2525.00†	2503.85	258.29	145.24	2466.02	2442.68	-111.31	-302.08	-158.37	583.47	17.34	35.05	PASS	
2625.00†	2602.76	271.12	152.45	2562.89	2538.34	-108.88	-317.17	-157.77	607.53	17.88	35.34	PASS	
2725.00†	2701.67	283.94	159.66	2659.76	2634.00	-106.45	-332.26	-157.21	631.64	18.47	35.52	PASS	
2825.00†	2800.58	296.77	166.87	2756.63	2729.66	-104.02	-347.35	-156.69	655.81	19.11	35.60	PASS	
2925.00†	2899.50	309.59	174.08	2853.50	2825.32	-101.59	-362.43	-156.21	680.02	19.78	35.61	PASS	
3025.00†	2998.41	322.42	181.30	2950.37	2920.97	-99.16	-377.52	-155.76	704.28	20.50	35.55	PASS	
3125.00†	3097.32	335.25	188.51	3047.24	3016.63	-96.73	-392.61	-155.35	728.57	21.24	35.45	PASS	
3225.00†	3196.23	348.07	195.72	3144.12	3112.29	-94.31	-407.70	-154.95	752.90	22.01	35.31	PASS	
3325.00†	3295.14	360.90	202.93	3240.99	3207.95	-91.88	-422.78	-154.59	777.26	22.81	35.13	PASS	
3425.00†	3394.05	373.72	210.14	3337.86	3303.61	-89.45	-437.87	-154.24	801.64	23.63	34.94	PASS	
3525.00†	3492.97	386.55	217.36	3434.73	3399.27	-87.02	-452.96	-153.92	826.06	24.47	34.73	PASS	
3625.00†	3591.88	399.38	224.57	3531.60	3494.92	-84.59	-468.05	-153.61	850.49	25.33	34.51	PASS	
3725.00†	3690.79	412.20	231.78	3628.47	3590.58	-82.16	-483.13	-153.32	874.95	26.21	34.29	PASS	
3825.00†	3789.70	425.03	238.99	3725.34	3686.24	-79.73	-498.22	-153.05	899.43	27.10	34.06	PASS	
3925.00†	3888.61	437.85	246.20	3822.22	3781.90	-77.31	-513.31	-152.79	923.92	28.00	33.82	PASS	
4025.00†	3987.52	450.68	253.42	3919.09	3877.56	-74.88	-528.40	-152.55	948.43	28.92	33.59	PASS	
4125.00†	4086.43	463.50	260.63	4015.96	3973.22	-72.45	-543.48	-152.32	972.96	29.85	33.37	PASS	
4225.00†	4185.35	476.33	267.84	4112.83	4068.87	-70.02	-558.57	-152.10	997.50	30.78	33.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4209.70	4164.53	-67.59	-573.66	-151.88	1022.06	31.73	32.92	PASS	
4425.00†	4383.17	501.98	282.26	4306.57	4260.19	-65.16	-588.74	-151.68	1046.63	32.68	32.71	PASS	
4525.00†	4482.08	514.81	289.47	4403.44	4355.85	-62.73	-603.83	-151.49	1071.21	33.65	32.50	PASS	
4625.00†	4580.99	527.63	296.69	4500.31	4451.51	-60.30	-618.92	-151.31	1095.80	34.62	32.30	PASS	
4725.00†	4679.90	540.46	303.90	4597.19	4547.17	-57.88	-634.01	-151.13	1120.40	35.59	32.10	PASS	
4825.00†	4778.82	553.28	311.11	4694.06	4642.82	-55.45	-649.09	-150.97	1145.01	36.57	31.91	PASS	
4925.00†	4877.73	566.11	318.32	4790.93	4738.48	-53.02	-664.18	-150.81	1169.63	37.56	31.72	PASS	
5025.00†	4976.64	578.94	325.53	4887.80	4834.14	-50.59	-679.27	-150.65	1194.25	38.55	31.54	PASS	
5125.00†	5075.55	591.76	332.75	4984.67	4929.80	-48.16	-694.36	-150.50	1218.89	39.55	31.36	PASS	
5225.00†	5174.46	604.59	339.96	5081.54	5025.46	-45.73	-709.44	-150.36	1243.53	40.55	31.20	PASS	
5325.00†	5273.37	617.41	347.17	5178.41	5121.12	-43.30	-724.53	-150.23	1268.18	41.55	31.03	PASS	
5425.00†	5372.28	630.24	354.38	5275.29	5216.78	-40.88	-739.62	-150.10	1292.83	42.56	30.87	PASS	
5525.00†	5471.20	643.07	361.59	5372.16	5312.43	-38.45	-754.71	-149.97	1317.49	43.57	30.72	PASS	
5625.00†	5570.11	655.89	368.81	5469.03	5408.09	-36.02	-769.79	-149.85	1342.16	44.59	30.57	PASS	
5725.00†	5669.02	668.72	376.02	5565.90	5503.75	-33.59	-784.88	-149.73	1366.83	45.60	30.43	PASS	
5825.00†	5767.93	681.54	383.23	5662.77	5597.13	-31.16	-799.96	-149.61	1391.49	46.62	30.29	PASS	
5925.00†	5866.84	694.37	390.44	5759.64	5690.51	-28.73	-815.04	-149.50	1416.14	47.64	30.15	PASS	
6025.00†	5965.75	707.19	397.65	5856.51	5783.89	-26.30	-830.12	-149.39	1440.79	48.66	30.01	PASS	
6125.00†	6064.66	720.02	404.87	5953.38	5877.27	-23.87	-845.20	-149.28	1465.44	49.68	29.87	PASS	
6225.00†	6163.58	732.85	412.08	6050.25	5970.65	-21.44	-860.28	-149.17	1490.09	50.70	29.73	PASS	
6325.00†	6262.49	745.67	419.29	6147.12	6064.03	-19.01	-875.36	-149.06	1514.74	51.72	29.59	PASS	
6425.00†	6361.40	758.50	426.50	6244.00	6157.41	-16.58	-890.44	-148.95	1539.39	52.74	29.45	PASS	
6525.00†	6460.31	771.32	433.71	6340.87	6250.79	-14.15	-905.52	-148.84	1564.04	53.76	29.31	PASS	
6533.75	6468.97	772.45	434.34	6349.01	6259.43	-13.52	-909.60	-148.82	1568.12	53.90	29.30	PASS	
6625.00†	6558.44	784.11	447.41	6436.68	6352.81	-11.09	-924.68	-148.71	1592.77	54.92	29.16	PASS	
6725.00†	6657.35	796.93	454.62	6534.55	6446.19	-8.66	-939.76	-148.60	1617.42	55.94	29.02	PASS	
6825.00†	6756.26	809.75	461.83	6632.42	6539.57	-6.23	-954.84	-148.49	1642.07	56.96	28.88	PASS	
6925.00†	6855.17	822.57	469.04	6730.29	6632.95	-3.80	-969.92	-148.38	1666.72	57.98	28.74	PASS	
7025.00†	6954.08	835.39	476.25	6828.16	6726.33	-1.37	-985.00	-148.27	1691.37	58.99	28.60	PASS	
7125.00†	7053.00	848.21	483.46	6926.03	6819.71	1.06	-1000.08	-148.16	1716.02	59.99	28.46	PASS	
7225.00†	7151.91	861.03	490.67	7023.90	6913.09	3.63	-1015.16	-148.05	1740.67	60.99	28.32	PASS	
7325.00†	7250.82	873.85	497.88	7121.77	7006.47	6.20	-1030.24	-147.94	1765.32	61.99	28.18	PASS	
7425.00†	7349.73	886.67	505.09	7219.64	7100.00	8.77	-1045.32	-147.83	1789.97	62.99	28.04	PASS	
7489.77	7358.64	899.49	512.30	7317.51	7193.38	11.34	-1060.40	-147.72	1814.62	63.99	27.90	PASS	
7525.00†	7457.55	912.31	519.51	7415.38	7286.76	13.91	-1075.48	-147.61	1839.27	64.99	27.76	PASS	
7625.00†	7556.46	925.13	526.72	7513.25	7380.14	16.48	-1090.56	-147.50	1863.92	65.99	27.62	PASS	
7725.00†	7655.37	937.95	533.93	7611.12	7473.52	19.05	-1105.64	-147.39	1888.57	66.99	27.48	PASS	
7825.00†	7754.28	950.77	541.14	7708.99	7566.90	21.62	-1120.72	-147.28	1913.22	67.99	27.34	PASS	
7925.00†	7853.19	963.59	548.35	7806.86	7660.28	24.19	-1135.80	-147.17	1937.87	68.99	27.20	PASS	
8025.00†	7952.10	976.41	555.56	7904.73	7753.66	26.76	-1150.88	-147.06	1962.52	69.99	27.06	PASS	
8125.00†	8051.01	989.23	562.77	8002.60	7847.04	29.33	-1165.96	-146.95	1987.17	70.99	26.92	PASS	
8225.00†	8149.92	1002.05	569.98	8100.47	7940.42	31.90	-1181.04	-146.84	2011.82	71.99	26.78	PASS	
8325.00†	8248.83	1014.87	577.19	8198.34	8033.80	34.47	-1196.12	-146.73	2036.47	72.99	26.64	PASS	
8425.00†	8347.74	1027.69	584.40	8296.21	8127.18	37.04	-1211.20	-146.62	2061.12	73.99	26.50	PASS	
8525.00†	8446.65	1040.51	591.61	8394.08	8220.56	39.61	-1226.28	-146.51	2085.77	74.99	26.36	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8625.00†	7049.05	865.24	2206.41	9885.40	6970.72	-4.62	2204.04	84.85	873.38	230.95	3.79	PASS	
8725.00†	7048.61	866.20	2306.41	9985.39	6970.59	-4.88	2304.04	84.88	874.57	239.70	3.66	PASS	
8825.00†	7048.17	867.16	2406.40	10085.38	6970.46	-5.14	2404.03	84.91	875.76	248.49	3.53	PASS	
8925.00†	7047.74	868.12	2506.40	10185.38	6970.32	-5.40	2504.02	84.93	876.95	257.32	3.41	PASS	
9025.00†	7047.30	869.08	2606.39	10285.37	6970.19	-5.66	2604.01	84.96	878.14	266.18	3.31	PASS	
9125.00†	7046.86	870.04	2706.38	10385.36	6970.06	-5.92	2704.00	84.99	879.33	275.06	3.20	PASS	
9225.00†	7046.43	871.00	2806.38	10485.35	6969.93	-6.18	2803.99	85.01	880.52	283.97	3.11	PASS	
9325.00†	7045.99	871.96	2906.37	10585.35	6969.79	-6.44	2903.99	85.04	881.70	292.91	3.02	PASS	
9425.00†	7045.56	872.92	3006.37	10685.34	6969.66	-6.70	3003.98	85.07	882.89	301.86	2.93	PASS	
9525.00†	7045.12	873.88	3106.36	10785.33	6969.53	-6.96	3103.97	85.09	884.08	310.84	2.85	PASS	
9625.00†	7044.68	874.84	3206.36	10885.32	6969.40	-7.22	3203.96	85.12	885.27	319.82	2.77	PASS	
9725.00†	7044.25	875.80	3306.35	10985.31	6969.26	-7.48	3303.95	85.14	886.46	328.83	2.70	PASS	
9825.00†	7043.81	876.76	3406.35	11085.31	6969.13	-7.74	3403.94	85.17	887.65	337.85	2.63	PASS	
9925.00†	7043.37	877.72	3506.34	11185.30	6969.00	-8.00	3503.94	85.20	888.84	346.88	2.57	PASS	
10025.00†	7042.94	878.68	3606.33	11285.29	6968.87	-8.26	3603.93	85.22	890.03	355.92	2.50	PASS	
10125.00†	7042.50	879.64	3706.33	11385.28	6968.73	-8.52	3703.92	85.25	891.23	364.97	2.44	PASS	
10225.00†	7042.07	880.60	3806.32	11485.27	6968.60	-8.78	3803.91	85.28	892.42	374.03	2.39	PASS	
10325.00†	7041.63	881.56	3906.32	11585.27	6968.47	-9.04	3903.90	85.30	893.61	383.10	2.34	PASS	
10425.00†	7041.19	882.52	4006.31	11685.26	6968.34	-9.30	4003.89	85.33	894.80	392.18	2.28	PASS	
10525.00†	7040.76	883.48	4106.31	11785.25	6968.20	-9.56	4103.89	85.35	895.99	401.27	2.24	PASS	
10625.00†	7040.32	884.44	4206.30	11885.24	6968.07	-9.82	4203.88	85.38	897.18	410.37	2.19	PASS	
10725.00†	7039.88	885.40	4306.30	11985.23	6967.94	-10.08	4303.87	85.40	898.37	419.47	2.14	PASS	
10825.00†	7039.45	886.36	4406.29	12085.23	6967.81	-10.34	4403.86	85.43	899.57	428.58	2.10	PASS	
10925.00†	7039.01	887.32	4506.28	12185.22	6967.67	-10.60	4503.85	85.45	900.76	437.69	2.06	PASS	
11025.00†	7038.57	888.28	4606.28	12285.21	6967.54	-10.87	4603.84	85.48	901.95	446.81	2.02	PASS	
11125.00†	7038.14	889.24	4706.27	12385.20	6967.41	-11.13	4703.84	85.51	903.14	455.94	1.98	PASS	
11225.00†	7037.70	890.20	4806.27	12485.20	6967.28	-11.39	4803.83	85.53	904.34	465.07	1.95	PASS	
11325.00†	7037.27	891.16	4906.26	12585.19	6967.14	-11.65	4903.82	85.56	905.53	474.20	1.91	PASS	
11425.00†	7036.83	892.12	5006.26	12685.18	6967.01	-11.91	5003.81	85.58	906.72	483.34	1.88	PASS	
11525.00†	7036.39	893.08	5106.25	12785.17	6966.88	-12.17	5103.80	85.61	907.91	492.48	1.84	PASS	
11625.00†	7035.96	894.04	5206.25	12885.16	6966.75	-12.43	5203.79	85.63	909.11	501.63	1.81	PASS	
11725.00†	7035.52	895.00	5306.24	12985.16	6966.61	-12.69	5303.79	85.66	910.30	510.78	1.78	PASS	
11825.00†	7035.08	895.96	5406.23	13085.15	6966.48	-12.95	5403.78	85.68	911.50	519.94	1.75	PASS	
11925.00†	7034.65	896.92	5506.23	13185.14	6966.35	-13.21	5503.77	85.71	912.69	529.10	1.73	PASS	
12025.00†	7034.21	897.88	5606.22	13285.13	6966.22	-13.47	5603.76	85.73	913.88	538.26	1.70	PASS	
12125.00†	7033.78	898.84	5706.22	13385.12	6966.08	-13.73	5703.75	85.75	915.08	547.42	1.67	PASS	
12225.00†	7033.34	899.80	5806.21	13485.12	6965.95	-13.99	5803.74	85.78	916.27	556.59	1.65	PASS	
12325.00†	7032.90	900.76	5906.21	13585.11	6965.82	-14.25	5903.74	85.80	917.47	565.76	1.62	PASS	
12425.00†	7032.47	901.72	6006.20	13685.10	6965.69	-14.51	6003.73	85.83	918.66	574.93	1.60	PASS	
12525.00†	7032.03	902.68	6106.20	13785.09	6965.55	-14.77	6103.72	85.85	919.86	584.11	1.58	PASS	
12625.00†	7031.59	903.64	6206.19	13885.08	6965.42	-15.03	6203.71	85.88	921.05	593.29	1.55	PASS	
12725.00†	7031.16	904.60	6306.18	13985.08	6965.29	-15.29	6303.70	85.90	922.25	602.47	1.53	PASS	
12789.77	7030.87	905.22	6370.95	14049.84	6965.20	-15.46	6368.47	85.92	923.02	608.41	1.52	PASS	
12825.00†	7030.72	905.34	6406.18	14085.07	6965.16	-15.55	6403.70	85.93	923.23	611.65	1.51	PASS	
12913.21	7030.34	903.75	6494.37	14173.27	6965.04	-15.78	6491.89	85.94	921.84	619.75	1.49	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	14185.05	6965.02	-15.81	6503.68	85.94	921.48	620.83	1.48	PASS	
13025.00†	7029.85	900.00	6606.10	14285.00	6964.89	-16.07	6603.63	85.95	918.38	630.02	1.46	PASS	
13125.00†	7029.42	896.65	6706.04	14384.95	6964.76	-16.33	6703.58	85.96	915.27	639.20	1.43	PASS	
13225.00†	7028.99	893.31	6805.98	14484.91	6964.63	-16.59	6803.53	85.96	912.17	648.39	1.41	PASS	
13325.00†	7028.55	889.96	6905.93	14584.86	6964.49	-16.85	6903.48	85.97	909.07	657.57	1.38	PASS	
13425.00†	7028.12	886.61	7005.87	14684.81	6964.36	-17.11	7003.43	85.97	905.97	666.76	1.36	PASS	
13525.00†	7027.68	883.26	7105.81	14784.76	6964.23	-17.37	7103.38	85.98	902.87	675.96	1.34	PASS	
13625.00†	7027.25	879.91	7205.76	14884.71	6964.10	-17.63	7203.34	85.98	899.77	685.15	1.31	PASS	
13725.00†	7026.82	876.56	7305.70	14984.67	6963.97	-17.89	7303.29	85.99	896.66	694.34	1.29	PASS	
13825.00†	7026.38	873.22	7405.64	15084.62	6963.83	-18.15	7403.24	85.99	893.56	703.54	1.27	PASS	
13925.00†	7025.95	869.87	7505.58	15184.57	6963.70	-18.41	7503.19	86.00	890.46	712.74	1.25	PASS	
14025.00†	7025.52	866.52	7605.53	15284.52	6963.57	-18.67	7603.14	86.00	887.36	721.94	1.23	PASS	
14125.00†	7025.08	863.17	7705.47	15384.47	6963.44	-18.93	7703.09	86.01	884.26	731.14	1.21	PASS	
14225.00†	7024.65	859.82	7805.41	15484.42	6963.30	-19.19	7803.04	86.01	881.16	740.34	1.19	PASS	
14325.00†	7024.22	856.47	7905.36	15584.38	6963.17	-19.45	7903.00	86.02	878.05	749.54	1.17	PASS	
14425.00†	7023.78	853.13	8005.30	15684.33	6963.04	-19.71	8002.95	86.03	874.95	758.74	1.15	PASS	
14525.00†	7023.35	849.78	8105.24	15784.28	6962.91	-19.97	8102.90	86.03	871.85	767.95	1.14	PASS	
14625.00†	7022.92	846.43	8205.19	15884.23	6962.77	-20.23	8202.85	86.04	868.75	777.15	1.12	PASS	
14725.00†	7022.48	843.08	8305.13	15984.18	6962.64	-20.49	8302.80	86.04	865.65	786.36	1.10	PASS	
14825.00†	7022.05	839.73	8405.07	16084.14	6962.51	-20.75	8402.75	86.05	862.55	795.57	1.08	PASS	
14836.05	7022.00	839.36	8416.11	16095.18	6962.49	-20.78	8413.79	86.05	862.20	796.59	1.08	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

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

HOLE & CASING SECTIONS - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1735.63	-97.50	0.00	-88.15	-58.08
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.63	-97.50	0.00	-88.15	-58.08
8.5in Open Hole	25.00	16467.87	16442.87	25.00	6962.00	-97.50	0.00	-55.38	2678.12

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-26B-L PWB
1750.00	16467.87	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1N-26B-L PWB

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 1N-26B-L PWB Offset Wellpath: TROUDT 1N-26B-L PWP (REV-A.0)	
MD Reference: PD 562 (25') (RKB)	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14294.35	6980.29	1347.01	-36.24	-1.54	7084.62	122.95	58.05	PASS	
125.00†	125.00	0.00	0.00	14295.28	6980.29	1347.01	-35.31	-1.50	6986.47	124.04	56.74	PASS	
225.00†	225.00	0.00	0.00	14296.22	6980.30	1347.00	-34.37	-1.46	6888.37	124.61	55.68	PASS	
300.00	300.00	0.00	0.00	14296.92	6980.31	1346.99	-33.67	-1.43	6814.84	125.05	54.89	PASS	
325.00†	325.00	0.10	0.05	14297.22	6980.31	1346.99	-33.37	-32.08	6790.31	125.20	54.63	PASS	
425.00†	424.96	2.38	1.34	14299.84	6980.33	1346.96	-30.74	-38.32	6691.92	125.79	53.58	PASS	
525.00†	524.77	7.70	4.33	14304.70	6980.36	1346.91	-25.89	-46.74	6593.11	126.33	52.56	PASS	
625.00†	624.30	16.05	9.03	14311.77	6980.41	1346.83	-18.82	-58.20	6493.98	126.83	51.57	PASS	
723.07	721.54	27.18	15.28	14319.67	6980.46	1346.72	-10.92	-73.06	6396.57	127.25	50.63	PASS	
725.00†	723.44	27.43	15.42	14319.78	6980.47	1346.72	-10.81	-73.05	6394.65	127.26	50.61	PASS	
825.00†	822.35	40.25	22.63	14325.91	6980.51	1346.63	-4.68	-72.69	6295.26	127.63	49.68	PASS	
925.00†	921.27	53.08	29.85	14332.09	6980.56	1346.53	1.50	-72.33	6195.88	128.01	48.74	PASS	
1025.00†	1020.18	65.91	37.06	14338.33	6980.61	1346.43	7.74	-71.96	6096.51	128.40	47.81	PASS	
1125.00†	1119.09	78.73	44.27	14344.62	6980.67	1346.31	14.03	-71.58	5997.15	128.81	46.88	PASS	
1225.00†	1218.00	91.56	51.48	14350.98	6980.73	1346.19	20.38	-71.19	5897.81	129.24	45.95	PASS	
1325.00†	1316.91	104.38	58.69	14357.39	6980.79	1346.06	26.80	-70.80	5798.48	129.68	45.03	PASS	
1425.00†	1415.82	117.21	65.91	14363.87	6980.86	1345.92	33.27	-70.39	5699.16	130.13	44.10	PASS	
1525.00†	1514.73	130.03	73.12	14370.41	6980.93	1345.76	39.81	-69.98	5599.86	130.61	43.17	PASS	
1625.00†	1613.65	142.86	80.33	14377.01	6981.01	1345.60	46.40	-69.56	5500.58	131.10	42.25	PASS	
1725.00†	1712.56	155.69	87.54	14383.67	6981.09	1345.43	53.06	-69.13	5401.31	131.61	41.32	PASS	
1825.00†	1811.47	168.51	94.75	14390.39	6981.18	1345.25	59.78	-68.69	5302.06	131.93	40.40	PASS	
1925.00†	1910.38	181.34	101.97	14397.18	6981.27	1345.05	66.57	-68.24	5202.83	132.47	39.48	PASS	
2025.00†	2009.29	194.16	109.18	14404.04	6981.37	1344.85	73.42	-67.78	5103.61	133.04	38.56	PASS	
2125.00†	2108.20	206.99	116.39	14416.11	6981.54	1344.46	85.48	-66.96	5004.42	133.68	37.63	PASS	
2225.00†	2207.12	219.81	123.60	14431.72	6981.76	1343.90	101.09	-65.86	4905.23	134.39	36.69	PASS	
2325.00†	2306.03	232.64	130.81	14446.94	6981.96	1343.28	116.29	-64.77	4806.05	135.11	35.75	PASS	
2425.00†	2404.94	245.47	138.02	14461.77	6982.16	1342.61	131.10	-63.67	4706.88	135.86	34.82	PASS	
2525.00†	2503.85	258.29	145.24	14476.22	6982.34	1341.89	145.54	-62.58	4607.72	136.62	33.90	PASS	
2625.00†	2602.76	271.12	152.45	14490.32	6982.51	1341.13	159.62	-61.48	4508.57	137.40	32.98	PASS	
2725.00†	2701.67	283.94	159.66	14501.46	6982.65	1340.49	170.74	-60.60	4409.44	138.19	32.07	PASS	
2825.00†	2800.58	296.77	166.87	14510.08	6982.75	1339.97	179.34	-59.90	4310.33	138.97	31.17	PASS	
2925.00†	2899.50	309.59	174.08	14518.68	6982.86	1339.45	187.92	-59.19	4211.25	139.80	30.27	PASS	
3025.00†	2998.41	322.42	181.30	14527.27	6982.96	1338.91	196.49	-58.48	4112.19	140.66	29.38	PASS	
3125.00†	3097.32	335.25	188.51	14535.85	6983.07	1338.36	205.05	-57.75	4013.17	141.56	28.49	PASS	
3225.00†	3196.23	348.07	195.72	14544.41	6983.18	1337.79	213.60	-57.01	3914.18	142.50	27.60	PASS	
3325.00†	3295.14	360.90	202.93	14552.96	6983.29	1337.22	222.13	-56.27	3815.23	143.49	26.72	PASS	
3425.00†	3394.05	373.72	210.14	14561.50	6983.40	1336.63	230.64	-55.51	3716.31	144.53	25.84	PASS	
3525.00†	3492.97	386.55	217.36	14570.02	6983.51	1336.03	239.15	-54.74	3617.44	145.62	24.96	PASS	
3625.00†	3591.88	399.38	224.57	14578.53	6983.62	1335.42	247.63	-53.96	3518.61	146.77	24.08	PASS	
3725.00†	3690.79	412.20	231.78	14587.03	6983.73	1334.79	256.11	-53.18	3419.83	147.98	23.22	PASS	
3825.00†	3789.70	425.03	238.99	14594.38	6983.83	1334.26	263.44	-52.49	3321.11	149.26	22.35	PASS	
3925.00†	3888.61	437.85	246.20	14601.68	6983.92	1333.74	270.72	-51.79	3222.45	150.61	21.49	PASS	
4025.00†	3987.52	450.68	253.42	14608.93	6984.01	1333.24	277.95	-51.09	3123.85	152.05	20.64	PASS	
4125.00†	4086.43	463.50	260.63	14616.13	6984.09	1332.76	285.13	-50.39	3025.33	153.58	19.79	PASS	
4225.00†	4185.35	476.33	267.84	14623.28	6984.17	1332.30	292.27	-49.68	2926.89	155.22	18.94	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	14630.38	6984.24	1331.86	299.35	-48.97	2828.54	156.97	18.10	PASS
4425.00†	4383.17	501.98	282.26	14637.42	6984.31	1331.44	306.38	-48.25	2730.30	158.84	17.26	PASS
4525.00†	4482.08	514.81	289.47	14644.42	6984.38	1331.04	313.37	-47.53	2632.16	160.86	16.43	PASS
4625.00†	4580.99	527.63	296.69	14651.37	6984.44	1330.65	320.31	-46.81	2534.15	163.04	15.61	PASS
4725.00†	4679.90	540.46	303.90	14658.27	6984.49	1330.28	327.20	-46.09	2436.29	165.39	14.79	PASS
4825.00†	4778.82	553.28	311.11	14665.13	6984.54	1329.93	334.05	-45.36	2338.58	167.95	13.98	PASS
4925.00†	4877.73	566.11	318.32	14671.93	6984.59	1329.60	340.84	-44.63	2241.05	170.73	13.18	PASS
5025.00†	4976.64	578.94	325.53	14677.89	6984.63	1329.31	346.79	-43.99	2143.72	173.76	12.38	PASS
5125.00†	5075.55	591.76	332.75	14682.70	6984.66	1329.10	351.60	-43.47	2046.64	177.08	11.60	PASS
5225.00†	5174.46	604.59	339.96	14687.60	6984.70	1328.89	356.50	-42.93	1949.83	180.74	10.83	PASS
5325.00†	5273.37	617.41	347.17	14692.61	6984.74	1328.68	361.50	-42.38	1853.34	184.79	10.06	PASS
5425.00†	5372.28	630.24	354.38	14697.73	6984.78	1328.48	366.62	-41.81	1757.23	189.29	9.31	PASS
5525.00†	5471.20	643.07	361.59	14702.96	6984.83	1328.29	371.85	-41.23	1661.54	194.32	8.58	PASS
5625.00†	5570.11	655.89	368.81	14708.31	6984.88	1328.11	377.19	-40.63	1566.38	199.96	7.86	PASS
5725.00†	5669.02	668.72	376.02	14713.77	6984.93	1327.94	382.65	-40.02	1471.82	206.33	7.15	PASS
5825.00†	5767.93	681.54	383.23	14719.35	6984.99	1327.77	388.23	-39.39	1378.00	213.56	6.47	PASS
5925.00†	5866.84	694.37	390.44	14725.07	6985.06	1327.62	393.94	-38.74	1285.08	221.82	5.81	PASS
6025.00†	5965.75	707.19	397.65	14730.91	6985.13	1327.48	399.78	-38.07	1193.26	231.29	5.17	PASS
6125.00†	6064.66	720.02	404.87	14736.88	6985.20	1327.35	405.75	-37.38	1102.83	242.23	4.56	PASS
6225.00†	6163.58	732.85	412.08	14743.00	6985.28	1327.23	411.87	-36.67	1014.14	254.91	3.99	PASS
6325.00†	6262.49	745.67	419.29	14749.27	6985.37	1327.12	418.13	-35.95	927.71	269.66	3.45	PASS
6425.00†	6361.40	758.50	426.50	14755.68	6985.46	1327.03	424.54	-35.20	844.21	286.79	2.95	PASS
6525.00†	6460.31	771.32	433.71	14762.24	6985.55	1326.96	431.10	-34.44	764.60	306.57	2.50	PASS
6533.75	6468.97	772.45	434.34	14762.83	6985.56	1326.95	431.69	-34.37	757.86	308.43	2.46	PASS
6625.00†	6558.44	784.11	447.41	14776.03	6985.77	1326.85	444.89	-33.71	690.78	329.06	2.10	PASS
6725.00†	6653.23	796.63	476.37	14804.91	6986.19	1326.69	473.76	-32.02	625.96	353.44	1.77	PASS
6825.00†	6742.33	808.56	519.92	14847.50	6986.76	1326.62	516.35	-30.51	572.84	377.55	1.52	PASS
6925.00†	6823.57	819.61	577.00	14905.95	6987.66	1326.63	574.79	-28.97	532.91	398.85	1.34	PASS
7025.00†	6894.93	829.52	646.20	14977.74	6989.28	1326.34	646.57	-27.56	505.70	415.19	1.22	PASS
7125.00†	6954.67	838.03	725.81	15060.55	6990.83	1325.87	729.36	-26.07	489.20	426.30	1.15	PASS
7225.00†	7001.30	844.93	813.89	15154.67	6992.56	1324.51	823.45	-24.58	479.75	433.49	1.11	PASS
7272.50†	7018.51	847.60	858.07	15173.00	6992.97	1324.16	841.78	-23.11	477.52	435.23	1.10	PASS
7272.94†	7018.66	847.63	858.49	15173.00	6992.97	1324.16	841.78	-22.64	477.52	435.23	1.10	PASS
7325.00†	7033.68	850.07	908.25	15173.00	6992.97	1324.16	841.78	-21.17	480.45	432.97	1.11	PASS
7425.00†	7051.02	853.30	1006.58	15173.00	6992.97	1324.16	841.78	-19.70	502.23	417.64	1.20	PASS
7489.77	7054.00	854.34	1071.25	15173.00	6992.97	1324.16	841.78	-18.23	526.41	402.23	1.31	PASS
7525.00†	7053.85	854.68	1106.47	15173.00	6992.97	1324.16	841.78	-16.76	542.38	392.77	1.38	PASS
7625.00†	7053.41	855.64	1206.47	15173.00	6992.97	1324.16	841.78	-15.29	596.79	363.87	1.64	PASS
7725.00†	7052.97	856.60	1306.46	15173.00	6992.97	1324.16	841.78	-13.82	661.92	335.09	1.98	PASS
7825.00†	7052.54	857.56	1406.46	15173.00	6992.97	1324.16	841.78	-12.35	734.93	308.69	2.38	PASS
7925.00†	7052.10	858.52	1506.45	15173.00	6992.97	1324.16	841.78	-10.88	813.70	285.43	2.86	PASS
8025.00†	7051.66	859.48	1606.45	15173.00	6992.97	1324.16	841.78	-9.41	896.71	265.33	3.39	PASS
8125.00†	7051.23	860.44	1706.44	15173.00	6992.97	1324.16	841.78	-8.22	982.89	248.07	3.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1760.00	1735.00	10.00	1741.17	715.65	-4982.56	716.98	-4957.90
9.625in Casing Surface	25.00	1774.00	1749.00	10.00	1755.10	715.65	-4982.56	717.03	-4957.48
8.5in Open Hole	1760.00	15173.00	13413.00	1741.17	6992.97	716.98	-4957.90	760.93	-2234.63

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	957.95	5098.84	79.36	5188.04	50.17	105.42	PASS		
125.00†	125.00	0.00	0.00	100.48	125.48	957.93	5098.84	79.36	5188.04	50.17	105.41	PASS		
225.00†	225.00	0.00	0.00	202.90	227.90	957.88	5098.81	79.36	5188.01	50.18	105.38	PASS		
300.00	300.00	0.00	0.00	280.03	305.03	957.86	5098.75	79.36	5187.95	50.20	105.35	PASS		
325.00†	325.00	0.10	0.05	307.06	332.06	957.86	5098.73	50.01	5187.85	50.21	105.33	PASS		
425.00†	424.96	2.38	1.34	439.40	464.40	957.67	5098.20	50.08	5185.76	50.25	105.19	PASS		
525.00†	524.77	7.70	4.33	566.14	591.13	957.45	5096.84	50.22	5180.74	50.33	104.92	PASS		
625.00†	624.30	16.05	9.03	667.21	692.20	957.24	5095.51	50.42	5173.28	50.42	104.58	PASS		
723.07	721.54	27.18	15.28	765.31	790.29	957.07	5094.24	50.67	5163.84	50.52	104.18	PASS		
725.00†	723.44	27.43	15.42	767.28	792.25	957.06	5094.21	50.67	5163.63	50.52	104.17	PASS		
825.00†	822.35	40.25	22.63	869.19	894.15	956.94	5092.83	50.80	5152.89	50.62	103.76	PASS		
925.00†	921.27	53.08	29.85	971.93	996.88	956.66	5091.38	50.93	5142.11	50.72	103.32	PASS		
1025.00†	1020.18	65.91	37.06	1073.08	1098.03	956.40	5089.89	51.06	5131.29	50.85	102.84	PASS		
1125.00†	1119.09	78.73	44.27	1175.18	1200.11	956.26	5088.31	51.19	5120.45	50.99	102.34	PASS		
1225.00†	1218.00	91.56	51.48	1273.49	1298.40	956.12	5086.75	51.32	5109.59	51.14	101.80	PASS		
1325.00†	1316.91	104.38	58.69	1378.77	1403.67	955.76	5085.09	51.46	5098.72	51.32	101.24	PASS		
1425.00†	1415.82	117.21	65.91	1471.79	1496.68	955.35	5083.57	51.58	5087.83	51.50	100.66	PASS		
1525.00†	1514.73	130.03	73.12	1551.66	1576.55	955.03	5082.46	51.69	5077.20	51.68	100.09	PASS		
1625.00†	1613.65	142.86	80.33	1633.34	1658.22	954.24	5081.76	51.80	5067.02	51.87	99.52	PASS		
1725.00†	1712.56	155.69	87.54	1725.62	1750.48	953.31	5081.15	51.93	5057.05	52.07	98.92	PASS		
1825.00†	1811.47	168.51	94.75	1819.17	1844.03	952.38	5080.65	52.06	5047.25	51.97	98.45	PASS		
1925.00†	1910.38	181.34	101.97	1932.78	1957.64	951.23	5079.99	52.23	5037.43	52.08	98.05	PASS		
2025.00†	2009.29	194.16	109.18	2046.82	2071.73	950.00	5079.34	52.40	5027.61	52.19	97.64	PASS		
2125.00†	2108.20	206.99	116.39	2163.81	2188.70	948.77	5078.69	52.57	5017.79	52.30	97.24	PASS		
2225.00†	2207.12	219.81	123.60	2280.81	2305.70	947.54	5078.04	52.74	5007.97	52.41	96.84	PASS		
2325.00†	2306.03	232.64	130.81	2397.81	2422.70	946.31	5077.39	52.91	4998.15	52.52	96.44	PASS		
2425.00†	2404.94	245.47	138.02	2514.81	2540.70	945.08	5076.74	53.08	4988.33	52.63	96.04	PASS		
2525.00†	2503.85	258.29	145.24	2631.81	2657.70	943.85	5076.09	53.25	4978.51	52.74	95.64	PASS		
2625.00†	2602.76	271.12	152.45	2748.81	2774.70	942.62	5075.44	53.42	4968.69	52.85	95.24	PASS		
2725.00†	2701.67	283.94	159.66	2865.81	2891.70	941.39	5074.79	53.59	4958.87	52.96	94.84	PASS		
2825.00†	2800.58	296.77	166.87	2982.81	3008.70	940.16	5074.14	53.76	4949.05	53.07	94.44	PASS		
2925.00†	2899.50	309.59	174.08	3100.81	3126.70	938.93	5073.49	53.93	4939.23	53.18	94.04	PASS		
3025.00†	2998.41	322.42	181.30	3217.81	3244.70	937.70	5072.84	54.10	4929.41	53.29	93.64	PASS		
3125.00†	3097.32	335.25	188.51	3334.81	3362.70	936.47	5072.19	54.27	4919.59	53.40	93.24	PASS		
3225.00†	3196.23	348.07	195.72	3451.81	3479.70	935.24	5071.54	54.44	4909.77	53.51	92.84	PASS		
3325.00†	3295.14	360.90	202.93	3568.81	3597.70	934.01	5070.89	54.61	4899.95	53.62	92.44	PASS		
3425.00†	3394.05	373.72	210.14	3685.81	3715.70	932.78	5070.24	54.78	4890.13	53.73	92.04	PASS		
3525.00†	3492.97	386.55	217.36	3802.81	3833.70	931.55	5069.59	54.95	4880.31	53.84	91.64	PASS		
3625.00†	3591.88	399.38	224.57	3919.81	3949.70	930.32	5068.94	55.12	4870.49	53.95	91.24	PASS		
3725.00†	3690.79	412.20	231.78	4036.81	4067.70	929.09	5068.29	55.29	4860.67	54.06	90.84	PASS		
3825.00†	3789.70	425.03	238.99	4153.81	4185.70	927.86	5067.64	55.46	4850.85	54.17	90.44	PASS		
3925.00†	3888.61	437.85	246.20	4270.81	4303.70	926.63	5066.99	55.63	4841.03	54.28	90.04	PASS		
4025.00†	3987.52	450.68	253.42	4387.81	4421.70	925.40	5066.34	55.80	4831.21	54.39	89.64	PASS		
4125.00†	4086.43	463.50	260.63	4504.81	4539.70	924.17	5065.69	55.97	4821.39	54.50	89.24	PASS		
4225.00†	4185.35	476.33	267.84	4621.81	4657.70	922.94	5065.04	56.14	4811.57	54.61	88.84	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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 MASH [ft]	Sep Ratio	ACR Status			
4325.00†	4284.26	489.16	275.05	4807.51	4804.21	697.39	4789.05	59.13	4548.61	59.89	76.85	PASS			
4425.00†	4383.17	501.98	282.26	4872.46	4868.52	691.51	4782.14	59.30	4529.94	60.32	75.99	PASS			
4525.00†	4482.08	514.81	289.47	4965.04	4960.18	682.40	4772.79	59.57	4511.85	60.77	75.10	PASS			
4625.00†	4580.99	527.63	296.69	5068.11	5062.15	671.83	4762.20	59.87	4493.67	61.25	74.21	PASS			
4725.00†	4679.90	540.46	303.90	5150.00	5143.21	663.69	4753.80	60.10	4475.65	61.71	73.36	PASS			
4825.00†	4778.82	553.28	311.11	5234.74	5227.16	655.77	4745.46	60.34	4458.14	62.18	72.51	PASS			
4925.00†	4877.73	566.11	318.32	5321.72	5313.33	647.56	4736.90	60.59	4440.74	62.67	71.66	PASS			
5025.00†	4976.64	578.94	325.53	5377.92	5369.08	642.74	4731.75	60.75	4424.11	63.12	70.87	PASS			
5125.00†	5075.55	591.76	332.75	5435.58	5426.39	638.43	4726.97	60.90	4408.45	63.59	70.10	PASS			
5225.00†	5174.46	604.59	339.96	5494.30	5484.82	634.62	4722.60	61.05	4393.72	64.06	69.34	PASS			
5325.00†	5273.37	617.41	347.17	5535.48	5525.85	632.34	4719.95	61.15	4380.09	64.51	68.64	PASS			
5425.00†	5372.28	630.24	354.38	5575.04	5565.31	630.56	4717.95	61.24	4367.83	64.95	67.98	PASS			
5525.00†	5471.20	643.07	361.59	5625.17	5615.38	628.86	4716.08	61.35	4356.90	65.42	67.32	PASS			
5625.00†	5570.11	655.89	368.81	5692.99	5683.15	627.19	4714.07	61.49	4346.83	65.93	66.64	PASS			
5725.00†	5669.02	668.72	376.02	5751.71	5741.85	626.37	4712.80	61.60	4337.60	66.42	66.00	PASS			
5825.00†	5767.93	681.54	383.23	5815.73	5805.87	626.23	4712.03	61.71	4329.32	66.93	65.37	PASS			
5925.00†	5866.84	694.37	390.44	5910.83	5900.96	626.24	4711.24	61.88	4321.48	67.53	64.66	PASS			
6025.00†	5965.75	707.19	397.65	6007.07	5997.20	626.11	4710.50	62.04	4313.72	68.12	63.98	PASS			
6125.00†	6064.66	720.02	404.87	6091.98	6082.11	626.00	4710.02	62.19	4306.21	68.69	63.33	PASS			
6225.00†	6163.58	732.85	412.08	6188.25	6178.38	625.96	4709.67	62.36	4298.95	69.30	62.66	PASS			
6325.00†	6262.49	745.67	419.29	6284.54	6274.67	625.91	4709.36	62.53	4291.76	69.91	62.01	PASS			
6425.00†	6361.40	758.50	426.50	6384.43	6374.56	625.82	4709.07	62.71	4284.65	70.53	61.35	PASS			
6525.00†	6460.31	771.32	433.71	6482.23	6472.36	625.80	4708.78	62.88	4277.56	71.16	60.70	PASS			
6533.75	6468.97	772.45	434.34	6490.75	6480.88	625.80	4708.75	62.89	4276.94	71.22	60.65	PASS			
6625.00†	6558.44	784.11	447.41	6586.47	6576.60	625.87	4708.43	63.72	4263.99	72.00	59.80	PASS			
6725.00†	6653.23	796.63	476.37	6693.75	6683.88	626.01	4707.82	62.58	4235.01	73.44	58.22	PASS			
6825.00†	6742.33	808.56	519.92	6788.54	6778.66	626.08	4707.07	17.90	4191.28	74.80	56.56	PASS			
6925.00†	6823.57	819.61	577.00	6864.59	6854.71	625.92	4706.43	15.74	4134.09	75.94	54.94	PASS			
7025.00†	6894.93	829.52	646.20	6930.50	6920.62	625.35	4705.95	15.00	4064.96	76.87	53.36	PASS			
7125.00†	6954.67	838.03	725.81	6986.00	6976.11	624.40	4705.57	15.45	3985.55	77.60	51.83	PASS			
7225.00†	7001.30	844.93	813.89	7025.87	7015.97	623.56	4705.34	17.42	3897.77	77.67	50.64	PASS			
7325.00†	7033.68	850.07	908.25	7052.62	7042.71	623.18	4705.23	22.70	3803.76	76.49	50.18	PASS			
7425.00†	7051.02	853.30	1006.58	7066.98	7057.07	623.05	4705.20	41.90	3705.78	76.54	48.86	PASS			
7489.77	7054.00	854.34	1071.25	7069.39	7059.48	623.03	4705.19	94.58	3641.30	76.66	47.93	PASS			
7525.00†	7053.85	854.68	1106.47	7069.20	7059.29	623.03	4705.19	94.54	3606.17	76.68	47.46	PASS			
7625.00†	7053.41	855.64	1206.47	7068.65	7058.74	623.04	4705.19	94.42	3506.45	76.73	46.11	PASS			
7725.00†	7052.97	856.60	1306.48	7068.10	7058.19	623.04	4705.19	94.30	3406.75	76.80	44.76	PASS			
7825.00†	7052.54	857.56	1406.46	7067.54	7057.63	623.04	4705.20	94.18	3307.07	76.87	43.41	PASS			
7925.00†	7052.10	858.52	1506.45	7066.97	7057.06	623.05	4705.20	94.06	3207.40	76.95	42.06	PASS			
8025.00†	7051.66	859.48	1606.45	7066.39	7056.49	623.05	4705.20	93.94	3107.76	77.05	40.70	PASS			
8125.00†	7051.23	860.44	1706.44	7065.81	7055.91	623.06	4705.20	93.82	3008.14	77.16	39.34	PASS			
8225.00†	7050.79	861.40	1806.43	7065.23	7055.32	623.06	4705.20	93.69	2908.55	77.29	37.97	PASS			
8325.00†	7050.36	862.36	1906.43	7064.63	7054.73	623.07	4705.20	93.56	2808.99	77.44	36.60	PASS			
8425.00†	7049.92	863.32	2006.42	7064.03	7054.13	623.07	4705.20	93.43	2709.46	77.61	35.22	PASS			
8525.00†	7049.48	864.28	2106.42	7063.43	7053.52	623.08	4705.20	93.30	2609.96	77.81	33.84	PASS			

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#06 EX. BARNEY 7 (231°FSL & 1500°FWL, PR/NB-CD) Well: EX. BARNEY 7 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	7062.81	7052.90	623.08	4705.21	93.17	2510.50	78.03	32.46	PASS	
8725.00†	7048.61	866.20	2306.41	7062.19	7052.28	623.09	4705.21	93.04	2411.09	78.28	31.07	PASS	
8825.00†	7048.17	867.16	2406.40	7061.56	7051.65	623.09	4705.21	92.90	2311.73	78.58	29.68	PASS	
8925.00†	7047.74	868.12	2506.40	7060.92	7051.01	623.10	4705.21	92.77	2212.43	78.92	28.28	PASS	
9025.00†	7047.30	869.08	2606.39	7060.27	7050.37	623.11	4705.21	92.63	2113.19	79.31	26.87	PASS	
9125.00†	7046.86	870.04	2706.38	7059.62	7049.71	623.11	4705.21	92.49	2014.03	79.77	25.47	PASS	
9225.00†	7046.43	871.00	2806.38	7058.96	7049.05	623.12	4705.22	92.35	1914.95	80.30	24.05	PASS	
9325.00†	7045.99	871.96	2906.37	7058.29	7048.38	623.12	4705.22	92.20	1815.98	80.93	22.63	PASS	
9425.00†	7045.56	872.92	3006.37	7057.61	7047.70	623.13	4705.22	92.06	1717.12	81.66	21.20	PASS	
9525.00†	7045.12	873.88	3106.36	7056.92	7047.01	623.14	4705.22	91.91	1618.40	82.54	19.77	PASS	
9625.00†	7044.68	874.84	3206.36	7056.22	7046.32	623.14	4705.22	91.76	1519.85	83.58	18.33	PASS	
9725.00†	7044.25	875.80	3306.35	7055.52	7045.61	623.15	4705.23	91.61	1421.51	84.83	16.89	PASS	
9825.00†	7043.81	876.76	3406.35	7054.80	7044.90	623.16	4705.23	91.45	1323.41	86.35	15.44	PASS	
9925.00†	7043.37	877.72	3506.34	7054.08	7044.17	623.17	4705.23	91.30	1225.62	88.21	14.00	PASS	
10025.00†	7042.94	878.68	3606.33	7053.35	7043.44	623.17	4705.23	91.14	1128.21	90.51	12.56	PASS	
10125.00†	7042.50	879.64	3706.33	7052.60	7042.70	623.18	4705.23	90.98	1031.30	93.38	11.12	PASS	
10225.00†	7042.07	880.60	3806.32	7051.85	7041.94	623.19	4705.24	90.82	935.04	97.01	9.70	PASS	
10325.00†	7041.63	881.56	3906.32	7051.09	7041.18	623.20	4705.24	90.65	839.66	101.68	8.31	PASS	
10425.00†	7041.19	882.52	4006.31	7050.32	7040.41	623.21	4705.24	90.49	745.48	107.75	6.96	PASS	
10525.00†	7040.76	883.48	4106.31	7049.53	7039.62	623.22	4705.24	90.32	653.04	115.80	5.67	PASS	
10625.00†	7040.32	884.44	4206.30	7048.74	7038.83	623.23	4705.25	90.15	563.19	126.63	4.47	PASS	
10725.00†	7039.88	885.40	4306.30	7047.93	7038.03	623.24	4705.25	89.97	477.38	141.40	3.39	PASS	
10825.00†	7039.45	886.36	4406.29	7047.12	7037.21	623.25	4705.25	89.80	398.26	161.52	2.47	PASS	
10925.00†	7039.01	887.32	4506.28	7046.29	7036.38	623.26	4705.25	89.62	330.64	187.62	1.77	PASS	
11025.00†	7038.57	888.28	4606.28	7045.45	7035.54	623.27	4705.26	89.44	282.91	215.67	1.31	PASS	
11121.25†	7038.15	889.20	4702.53	7044.45	7034.54	623.28	4705.26	89.22	265.96	231.53	1.15	PASS	
11125.00†	7038.14	889.24	4706.27	7044.60	7034.69	623.28	4705.26	89.25	265.98	231.71	1.15	PASS	
11130.35†	7038.12	889.29	4711.62	7044.55	7034.64	623.28	4705.26	89.24	266.11	231.91	1.15	PASS	
11225.00†	7037.70	890.20	4806.27	7043.73	7033.83	623.29	4705.26	89.07	285.41	223.68	1.28	PASS	
11325.00†	7037.27	891.16	4906.26	7042.86	7032.95	623.30	4705.27	88.88	334.91	200.76	1.67	PASS	
11425.00†	7036.83	892.12	5006.26	7041.97	7032.06	623.31	4705.27	88.69	403.57	177.03	2.28	PASS	
11525.00†	7036.39	893.08	5106.25	7041.07	7031.16	623.33	4705.27	88.49	483.30	157.74	3.07	PASS	
11625.00†	7035.96	894.04	5206.25	7040.15	7030.25	623.34	4705.28	88.30	569.46	143.07	4.00	PASS	
11725.00†	7035.52	895.00	5306.24	7039.22	7029.32	623.35	4705.28	88.10	659.53	132.01	5.02	PASS	
11825.00†	7035.08	895.96	5406.23	7038.28	7028.38	623.37	4705.28	87.89	752.12	123.61	6.11	PASS	
11925.00†	7034.65	896.92	5506.23	7037.33	7027.42	623.38	4705.29	87.69	846.39	117.12	7.26	PASS	
12025.00†	7034.21	897.88	5606.22	7036.35	7026.45	623.39	4705.29	87.48	941.85	112.03	8.45	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH COMPOSITION - Offset Wellbore: **EX. BARNEY 7 AWB** Offset Wellpath: **EX. BARNEY 7 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7000.00	BHI Generic gyro - continuous (Standard)	VES SURVEY INTERNATIONAL GYRO SURVEYS PROVIDED BY SRC <100'-7000'>	EX. BARNEY 7 AWB
7000.00	7355.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7355'>	EX. BARNEY 7 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. BARNEY 7 AWB** Offset Wellpath: **EX. BARNEY 7 AWP**

MD Reference: Rig on SLOT#06 EX. BARNEY 7 (231'FSL & 1500'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/CODL) Well: EX. TROUDT 1-27 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-1.00	25.00	106.34	226.24	64.82	249.98	25.57	10.12	PASS	
125.00†	125.00	0.00	0.00	99.00	125.00	106.34	226.24	64.82	249.98	50.37	5.04	PASS	
225.00†	225.00	0.00	0.00	199.00	225.00	106.34	226.24	64.82	249.98	51.31	4.95	PASS	
300.00	300.00	0.00	0.00	274.00	300.00	106.34	226.24	64.82	249.98	52.55	4.83	PASS	
325.00†	325.00	0.10	0.05	299.00	325.00	106.34	226.24	35.49	249.89	52.96	4.79	PASS	
425.00†	424.96	2.38	1.34	398.96	424.96	106.34	226.24	35.87	247.77	55.23	4.55	PASS	
525.00†	524.77	7.70	4.33	498.77	524.77	106.34	226.24	36.77	242.84	57.99	4.24	PASS	
625.00†	624.30	16.05	9.03	598.30	624.30	106.34	226.24	38.26	235.23	61.12	3.89	PASS	
723.07	721.54	27.18	15.28	695.54	721.54	106.34	226.24	40.39	225.32	64.44	3.53	PASS	
725.00†	723.44	27.43	15.42	697.44	723.44	106.34	226.24	40.44	225.10	64.51	3.53	PASS	
825.00†	822.35	40.25	22.63	796.35	822.35	106.34	226.24	42.98	214.06	68.06	3.18	PASS	
925.00†	921.27	53.08	29.85	895.27	921.27	106.34	226.24	45.79	203.48	71.79	2.86	PASS	
1025.00†	1020.18	65.91	37.06	994.18	1020.18	106.34	226.24	48.90	193.45	75.66	2.58	PASS	
1125.00†	1119.09	78.73	44.27	1093.09	1119.09	106.34	226.24	52.33	184.05	79.63	2.33	PASS	
1225.00†	1218.00	91.56	51.48	1192.00	1218.00	106.34	226.24	56.11	175.38	83.70	2.11	PASS	
1325.00†	1316.91	104.38	58.69	1290.91	1316.91	106.34	226.24	60.25	167.55	87.84	1.92	PASS	
1425.00†	1415.82	117.21	65.91	1389.82	1415.82	106.34	226.24	64.77	160.70	92.06	1.75	PASS	
1525.00†	1514.73	130.03	73.12	1488.73	1514.73	106.34	226.24	69.65	154.94	96.34	1.61	PASS	
1625.00†	1613.65	142.86	80.33	1587.65	1613.65	106.34	226.24	74.86	150.41	100.67	1.50	PASS	
1725.00†	1712.56	155.69	87.54	1686.56	1712.56	106.34	226.24	80.34	147.21	105.04	1.41	PASS	
1825.00†	1811.47	168.51	94.75	1785.47	1811.47	106.34	226.24	86.00	145.44	109.11	1.34	PASS	
1894.68†	1880.39	177.45	99.78	1854.42	1880.42	106.34	226.24	90.00	145.08	112.08	1.30	PASS	
1925.00†	1910.38	181.34	101.97	1884.38	1910.38	106.34	226.24	91.74	145.15	113.38	1.28	PASS	
2025.00†	2009.29	194.16	109.18	1983.29	2009.29	106.34	226.24	97.45	146.34	117.67	1.25	PASS	
2125.00†	2108.20	206.99	116.39	2082.20	2108.20	106.34	226.24	103.01	148.98	121.98	1.22	PASS	
2225.00†	2207.12	219.81	123.60	2181.12	2207.12	106.34	226.24	108.33	153.00	126.31	1.21	PASS	
2273.20†	2254.79	226.00	127.08	2228.79	2254.79	106.34	226.24	110.79	155.40	128.41	1.21	PASS	
2325.00†	2306.03	232.64	130.81	2280.03	2306.03	106.34	226.24	113.35	158.29	130.66	1.21	PASS	
2425.00†	2404.94	245.47	138.02	2378.94	2404.94	106.34	226.24	118.01	164.73	135.03	1.22	PASS	
2525.00†	2503.85	258.29	145.24	2477.85	2503.85	106.34	226.24	122.31	172.19	139.42	1.24	PASS	
2625.00†	2602.76	271.12	152.45	2576.76	2602.76	106.34	226.24	126.23	180.54	143.84	1.26	PASS	
2725.00†	2701.67	283.94	159.66	2675.67	2701.67	106.34	226.24	129.79	189.67	148.27	1.28	PASS	
2825.00†	2800.58	296.77	166.87	2774.58	2800.58	106.34	226.24	133.02	199.47	152.72	1.31	PASS	
2925.00†	2899.50	309.59	174.08	2873.50	2899.50	106.34	226.24	135.95	209.84	157.19	1.34	PASS	
3025.00†	2998.41	322.42	181.30	2972.41	2998.41	106.34	226.24	138.59	220.70	161.67	1.37	PASS	
3125.00†	3097.32	335.25	188.51	3071.32	3097.32	106.34	226.24	140.99	231.99	166.18	1.40	PASS	
3225.00†	3196.23	348.07	195.72	3170.23	3196.23	106.34	226.24	143.16	243.65	170.70	1.43	PASS	
3325.00†	3295.14	360.90	202.93	3269.14	3295.14	106.34	226.24	145.13	255.62	175.23	1.46	PASS	
3425.00†	3394.05	373.72	210.14	3368.05	3394.05	106.34	226.24	146.92	267.87	179.78	1.49	PASS	
3525.00†	3492.97	386.55	217.36	3466.97	3492.97	106.34	226.24	148.56	280.35	184.35	1.52	PASS	
3625.00†	3591.88	399.38	224.57	3565.88	3591.88	106.34	226.24	150.05	293.04	188.93	1.55	PASS	
3725.00†	3690.79	412.20	231.78	3664.79	3690.79	106.34	226.24	151.43	305.91	193.52	1.58	PASS	
3825.00†	3789.70	425.03	238.99	3763.70	3789.70	106.34	226.24	152.69	318.94	198.13	1.61	PASS	
3925.00†	3888.61	437.85	246.20	3862.61	3888.61	106.34	226.24	153.85	332.11	202.74	1.64	PASS	
4025.00†	3987.52	450.68	253.42	3961.52	3987.52	106.34	226.24	154.92	345.41	207.37	1.67	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W		Slot: SLOT#01 EX. TROUDT 1-27 (660'FNL & 1980'FWL, AB/COOL)		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
4125.00†	4086.43	463.50	260.63	4060.43	4086.43	106.34	226.24	155.92	358.82	212.01	1.69	PASS
4225.00†	4185.35	476.33	267.84	4159.35	4185.35	106.34	226.24	156.84	372.32	216.66	1.72	PASS
4325.00†	4284.26	489.16	275.05	4258.26	4284.26	106.34	226.24	157.70	385.91	221.32	1.75	PASS
4425.00†	4383.17	501.98	282.26	4357.17	4383.17	106.34	226.24	158.50	399.59	225.99	1.77	PASS
4525.00†	4482.08	514.81	289.47	4456.08	4482.08	106.34	226.24	159.25	413.33	230.67	1.79	PASS
4625.00†	4580.99	527.63	296.69	4554.99	4580.99	106.34	226.24	159.94	427.14	235.36	1.82	PASS
4725.00†	4679.90	540.46	303.90	4653.90	4679.90	106.34	226.24	160.60	441.01	240.06	1.84	PASS
4825.00†	4778.82	553.28	311.11	4752.82	4778.82	106.34	226.24	161.21	454.93	244.77	1.86	PASS
4925.00†	4877.73	566.11	318.32	4851.73	4877.73	106.34	226.24	161.79	468.90	249.48	1.88	PASS
5025.00†	4976.64	578.94	325.53	4950.64	4976.64	106.34	226.24	162.34	482.91	254.20	1.90	PASS
5125.00†	5075.55	591.76	332.75	5049.55	5075.55	106.34	226.24	162.85	496.97	258.93	1.92	PASS
5225.00†	5174.46	604.59	339.96	5148.46	5174.46	106.34	226.24	163.34	511.06	263.67	1.94	PASS
5325.00†	5273.37	617.41	347.17	5247.37	5273.37	106.34	226.24	163.80	525.19	268.42	1.96	PASS
5425.00†	5372.28	630.24	354.38	5346.28	5372.28	106.34	226.24	164.23	539.34	273.17	1.98	PASS
5525.00†	5471.20	643.07	361.59	5445.20	5471.20	106.34	226.24	164.65	553.53	277.93	1.99	PASS
5625.00†	5570.11	655.89	368.81	5544.11	5570.11	106.34	226.24	165.04	567.74	282.69	2.01	PASS
5725.00†	5669.02	668.72	376.02	5643.02	5669.02	106.34	226.24	165.41	581.98	287.47	2.03	PASS
5825.00†	5767.93	681.54	383.23	5741.93	5767.93	106.34	226.24	165.77	596.24	292.24	2.04	PASS
5925.00†	5866.84	694.37	390.44	5840.84	5866.84	106.34	226.24	166.11	610.52	297.03	2.06	PASS
6025.00†	5965.75	707.19	397.65	5939.75	5965.75	106.34	226.24	166.43	624.83	301.82	2.07	PASS
6125.00†	6064.66	720.02	404.87	6038.66	6064.66	106.34	226.24	166.74	639.15	306.61	2.09	PASS
6225.00†	6163.58	732.85	412.08	6137.58	6163.58	106.34	226.24	167.04	653.49	311.41	2.10	PASS
6325.00†	6262.49	745.67	419.29	6236.49	6262.49	106.34	226.24	167.32	667.84	316.22	2.11	PASS
6425.00†	6361.40	758.50	426.50	6335.40	6361.40	106.34	226.24	167.59	682.21	321.03	2.13	PASS
6525.00†	6460.31	771.32	433.71	6434.31	6460.31	106.34	226.24	167.85	696.60	325.84	2.14	PASS
6533.75	6468.97	772.45	434.34	6442.97	6468.97	106.34	226.24	167.87	697.86	326.26	2.14	PASS
6625.00†	6558.44	784.11	447.41	6532.44	6558.44	106.34	226.24	137.88	712.95	330.63	2.16	PASS
6725.00†	6653.23	796.63	476.37	6627.23	6653.23	106.34	226.24	126.34	734.21	335.29	2.19	PASS
6825.00†	6742.33	808.56	519.92	6716.33	6742.33	106.34	226.24	121.44	761.16	339.76	2.24	PASS
6925.00†	6823.57	819.61	577.00	6797.57	6823.57	106.34	226.24	118.75	794.85	343.98	2.31	PASS
7025.00†	6894.93	829.52	646.20	6868.93	6894.93	106.34	226.24	116.55	836.27	347.90	2.41	PASS
7125.00†	6954.67	838.03	725.81	6928.67	6954.67	106.34	226.24	113.82	885.97	351.43	2.52	PASS
7225.00†	7001.30	844.93	813.89	6975.30	7001.30	106.34	226.24	109.84	943.85	354.43	2.67	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. TROUDT 1-27 AWB** Offset Wellpath: **EX. TROUDT 1-27 AWP**

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-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	64.41	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	0.00	-60.10	-90.00	60.10	2.45	39.84	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	0.00	-60.10	-90.00	60.10	2.89	30.64	PASS	
325.00†	325.00	0.10	0.05	325.16	325.16	0.11	-60.07	-119.34	60.12	3.04	28.46	PASS	
425.00†	424.96	2.38	1.34	425.79	425.75	2.63	-59.28	-119.11	60.62	3.75	21.40	PASS	
525.00†	524.77	7.70	4.33	526.40	526.17	8.53	-57.43	-118.59	61.78	4.65	16.48	PASS	
625.00†	624.30	16.05	9.03	627.00	626.29	17.79	-54.53	-117.81	63.61	5.51	13.78	PASS	
723.07	721.54	27.18	15.28	725.63	724.07	30.12	-50.66	-116.84	66.06	6.38	12.02	PASS	
725.00†	723.44	27.43	15.42	727.57	725.99	30.39	-50.58	-116.82	66.11	6.40	11.99	PASS	
825.00†	822.35	40.25	22.63	828.07	825.08	46.31	-45.59	-114.35	68.54	7.23	10.78	PASS	
925.00†	921.27	53.08	29.85	928.28	923.26	65.48	-39.58	-109.26	70.55	8.16	9.67	PASS	
1025.00†	1020.18	65.91	37.06	1027.98	1020.17	87.78	-32.58	-101.78	73.00	9.27	8.67	PASS	
1125.00†	1119.09	78.73	44.27	1126.91	1115.48	113.09	-24.65	-92.43	77.09	10.60	7.90	PASS	
1225.00†	1218.00	91.56	51.48	1225.82	1210.28	139.99	-16.22	-83.06	83.60	12.00	7.49	PASS	
1325.00†	1316.91	104.38	58.69	1324.73	1305.09	166.89	-7.78	-75.20	92.01	13.31	7.37	PASS	
1425.00†	1415.82	117.21	65.91	1423.64	1399.90	193.80	0.65	-68.74	101.87	14.50	7.45	PASS	
1525.00†	1514.73	130.03	73.12	1522.55	1494.70	220.70	9.09	-63.46	112.79	15.58	7.65	PASS	
1625.00†	1613.65	142.86	80.33	1621.46	1589.51	247.60	17.52	-59.13	124.49	16.57	7.92	PASS	
1725.00†	1712.56	155.69	87.54	1720.38	1684.32	274.51	25.95	-55.56	136.78	17.50	8.21	PASS	
1825.00†	1811.47	168.51	94.75	1819.29	1779.13	301.41	34.39	-52.59	149.50	17.62	8.80	PASS	
1925.00†	1910.38	181.34	101.97	1918.20	1873.94	328.31	42.82	-50.08	162.57	17.54	9.62	PASS	
2025.00†	2009.29	194.16	109.18	2017.11	1968.74	355.21	51.26	-47.95	175.89	17.55	10.40	PASS	
2125.00†	2108.20	206.99	116.39	2116.02	2063.55	382.12	59.69	-46.12	189.42	17.66	11.13	PASS	
2225.00†	2207.12	219.81	123.60	2214.93	2158.36	409.02	68.12	-44.53	203.11	17.87	11.80	PASS	
2325.00†	2306.03	232.64	130.81	2313.84	2253.17	435.92	76.56	-43.15	216.94	18.16	12.39	PASS	
2425.00†	2404.94	245.47	138.02	2412.76	2347.98	462.83	84.99	-41.93	230.87	18.54	12.91	PASS	
2525.00†	2503.85	258.29	145.24	2511.67	2442.79	489.73	93.43	-40.85	244.90	18.99	13.36	PASS	
2625.00†	2602.76	271.12	152.45	2610.58	2537.59	516.63	101.86	-39.89	259.00	19.50	13.74	PASS	
2725.00†	2701.67	283.94	159.66	2709.49	2632.40	543.53	110.30	-39.03	273.17	20.08	14.06	PASS	
2825.00†	2800.58	296.77	166.87	2808.40	2727.21	570.44	118.73	-38.25	287.40	20.71	14.33	PASS	
2925.00†	2899.50	309.59	174.08	2907.31	2822.02	597.34	127.16	-37.54	301.67	21.39	14.55	PASS	
3025.00†	2998.41	322.42	181.30	3006.23	2916.83	624.24	135.60	-36.90	315.98	22.12	14.72	PASS	
3125.00†	3097.32	335.25	188.51	3105.14	3011.64	651.15	144.03	-36.32	330.32	22.88	14.86	PASS	
3225.00†	3196.23	348.07	195.72	3204.05	3106.44	678.05	152.47	-35.78	344.70	23.68	14.97	PASS	
3325.00†	3295.14	360.90	202.93	3302.96	3201.25	704.95	160.90	-35.28	359.10	24.51	15.06	PASS	
3425.00†	3394.05	373.72	210.14	3401.87	3296.06	731.86	169.33	-34.83	373.53	25.36	15.12	PASS	
3525.00†	3492.97	386.55	217.36	3500.78	3390.87	758.76	177.77	-34.41	387.98	26.24	15.17	PASS	
3625.00†	3591.88	399.38	224.57	3599.70	3485.68	785.66	186.20	-34.02	402.45	27.15	15.20	PASS	
3725.00†	3690.79	412.20	231.78	3698.61	3580.48	812.56	194.64	-33.65	416.94	28.07	15.21	PASS	
3825.00†	3789.70	425.03	238.99	3797.52	3675.29	839.47	203.07	-33.31	431.44	29.01	15.22	PASS	
3925.00†	3888.61	437.85	246.20	3896.43	3770.10	866.37	211.50	-32.99	445.96	29.96	15.22	PASS	
4025.00†	3987.52	450.68	253.42	3995.34	3864.91	893.27	219.94	-32.70	460.48	30.93	15.21	PASS	
4125.00†	4086.43	463.50	260.63	4094.25	3959.72	920.18	228.37	-32.42	475.02	31.91	15.20	PASS	
4225.00†	4185.35	476.33	267.84	4193.16	4054.53	947.08	236.81	-32.15	489.57	32.91	15.18	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4292.08	4149.33	973.98	245.24	-31.91	504.13	33.91	15.16	PASS	
4425.00†	4383.17	501.98	282.26	4390.99	4244.14	1000.89	253.67	-31.67	518.70	34.93	15.14	PASS	
4525.00†	4482.08	514.81	289.47	4489.90	4338.95	1027.79	262.11	-31.45	533.28	35.95	15.11	PASS	
4625.00†	4580.99	527.63	296.69	4588.81	4433.76	1054.69	270.54	-31.24	547.86	36.98	15.09	PASS	
4725.00†	4679.90	540.46	303.90	4687.72	4528.57	1081.59	278.98	-31.04	562.45	38.02	15.06	PASS	
4825.00†	4778.82	553.28	311.11	4786.63	4623.38	1108.50	287.41	-30.86	577.05	39.06	15.03	PASS	
4925.00†	4877.73	566.11	318.32	4885.55	4718.18	1135.40	295.85	-30.68	591.65	40.11	15.00	PASS	
5025.00†	4976.64	578.94	325.53	4984.46	4812.99	1162.30	304.28	-30.51	606.26	41.17	14.97	PASS	
5125.00†	5075.55	591.76	332.75	5083.37	4907.80	1189.21	312.71	-30.34	620.87	42.23	14.94	PASS	
5225.00†	5174.46	604.59	339.96	5182.28	5002.61	1216.11	321.15	-30.19	635.49	43.29	14.91	PASS	
5325.00†	5273.37	617.41	347.17	5281.19	5097.42	1243.01	329.58	-30.04	650.11	44.36	14.88	PASS	
5425.00†	5372.28	630.24	354.38	5380.10	5192.22	1269.92	338.02	-29.90	664.74	45.44	14.85	PASS	
5525.00†	5471.20	643.07	361.59	5479.02	5287.03	1296.82	346.45	-29.76	679.37	46.52	14.82	PASS	
5625.00†	5570.11	655.89	368.81	5577.93	5381.84	1323.72	354.88	-29.63	694.00	47.60	14.79	PASS	
5725.00†	5669.02	668.72	376.02	5676.84	5476.65	1350.62	363.32	-29.51	708.64	48.68	14.76	PASS	
5825.00†	5767.93	681.54	383.23	5775.75	5571.46	1377.53	371.75	-29.39	723.28	49.77	14.73	PASS	
5925.00†	5866.84	694.37	390.44	5874.66	5666.27	1404.43	380.19	-29.28	737.92	50.86	14.70	PASS	
6025.00†	5965.75	707.19	397.65	5973.57	5761.07	1431.33	388.62	-29.17	752.56	51.95	14.67	PASS	
6125.00†	6064.66	720.02	404.87	6072.48	5855.88	1458.24	397.05	-29.06	767.21	53.05	14.64	PASS	
6225.00†	6163.58	732.85	412.08	6171.40	5950.69	1485.14	405.49	-28.96	781.86	54.15	14.62	PASS	
6325.00†	6262.49	745.67	419.29	6270.31	6045.50	1512.04	413.92	-28.86	796.52	55.25	14.59	PASS	
6425.00†	6361.40	758.50	426.50	6369.22	6140.31	1538.94	422.36	-28.77	811.17	56.35	14.57	PASS	
6525.00†	6460.31	771.32	433.71	6468.13	6235.11	1565.85	430.79	-28.67	825.83	57.46	14.54	PASS	
6533.75	6468.97	772.45	434.34	6476.79	6243.41	1568.20	431.53	-28.67	827.11	57.55	14.54	PASS	
6625.00†	6558.44	784.11	447.41	6567.28	6330.07	1592.79	440.09	-28.57	840.34	58.62	14.50	PASS	
6725.00†	6653.23	796.63	476.37	6667.95	6424.57	1619.59	461.66	-28.47	854.26	60.07	14.38	PASS	
6825.00†	6742.33	808.56	519.92	6770.09	6515.89	1645.47	499.07	-28.36	867.25	61.46	14.26	PASS	
6925.00†	6823.57	819.61	577.00	6873.72	6601.47	1669.70	552.02	-28.25	878.98	63.24	14.04	PASS	
7025.00†	6894.93	829.52	646.20	6978.83	6678.68	1691.54	619.74	-28.14	889.13	65.60	13.69	PASS	
7125.00†	6954.67	838.03	725.81	7085.33	6744.92	1710.24	700.85	-28.03	897.43	68.76	13.18	PASS	
7225.00†	7001.30	844.93	813.89	7193.02	6797.74	1725.13	793.36	-27.92	903.66	72.86	12.52	PASS	
7325.00†	7033.68	850.07	908.25	7301.64	6835.07	1735.60	894.68	-27.81	907.64	77.77	11.77	PASS	
7425.00†	7051.02	853.30	1006.58	7410.85	6855.38	1741.24	1001.70	-27.70	909.25	83.54	10.97	PASS	
7489.77	7054.00	854.34	1071.25	7481.71	6859.01	1742.19	1072.43	-27.61	909.01	86.89	10.54	PASS	
7525.00†	7053.85	854.68	1106.47	7517.12	6858.82	1742.09	1107.84	-27.61	908.59	88.88	10.30	PASS	
7625.00†	7053.41	855.64	1206.47	7617.11	6858.27	1741.82	1207.83	-27.58	907.41	94.85	9.63	PASS	
7725.00†	7052.97	856.60	1306.46	7717.11	6857.73	1741.55	1307.82	-27.56	906.23	101.29	9.00	PASS	
7825.00†	7052.54	857.56	1406.46	7817.10	6857.19	1741.27	1407.81	-27.54	905.05	108.11	8.42	PASS	
7925.00†	7052.10	858.52	1506.45	7917.09	6856.64	1741.00	1507.80	-27.51	903.87	115.23	7.89	PASS	
8025.00†	7051.66	859.48	1606.45	8017.08	6856.10	1740.73	1607.79	-27.49	902.69	122.60	7.40	PASS	
8125.00†	7051.23	860.44	1706.44	8117.08	6855.55	1740.45	1707.78	-27.47	901.50	130.19	6.96	PASS	
8225.00†	7050.79	861.40	1806.43	8217.07	6855.01	1740.18	1807.77	-27.44	900.32	137.95	6.55	PASS	
8325.00†	7050.36	862.36	1906.43	8317.06	6854.47	1739.91	1907.76	-27.42	899.14	145.86	6.19	PASS	
8425.00†	7049.92	863.32	2006.42	8417.05	6853.92	1739.63	2007.75	-27.40	897.96	153.89	5.86	PASS	
8525.00†	7049.48	864.28	2106.42	8517.05	6853.38	1739.36	2107.74	-27.37	896.79	162.03	5.55	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W		Slot: SLOT#08 TROUDT 41N-23A-M (760'FNL & 1700'FWL, SEC.27)				Well: TROUDT 41N-23A-M		Threshold Value=1.00		† = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	8617.04	6852.83	1739.09	2207.73	-77.35	895.61	170.26	5.28	PASS	
8725.00†	7048.61	866.20	2306.41	8717.03	6852.29	1738.82	2307.72	-77.32	894.43	178.56	5.03	PASS	
8825.00†	7048.17	867.16	2406.40	8817.02	6851.74	1738.54	2407.71	-77.30	893.25	186.93	4.79	PASS	
8925.00†	7047.74	868.12	2506.40	8917.01	6851.20	1738.27	2507.70	-77.27	892.07	195.36	4.58	PASS	
9025.00†	7047.30	869.08	2606.39	9017.01	6850.66	1738.00	2607.69	-77.25	890.89	203.84	4.38	PASS	
9125.00†	7046.86	870.04	2706.38	9117.00	6850.11	1737.72	2707.68	-77.23	889.71	212.36	4.20	PASS	
9225.00†	7046.43	871.00	2806.38	9216.99	6849.57	1737.45	2807.67	-77.20	888.53	220.92	4.03	PASS	
9325.00†	7045.99	871.96	2906.37	9316.98	6849.02	1737.18	2907.67	-77.18	887.35	229.52	3.88	PASS	
9425.00†	7045.56	872.92	3006.37	9416.98	6848.48	1736.90	3007.66	-77.15	886.17	238.14	3.73	PASS	
9525.00†	7045.12	873.88	3106.36	9516.97	6847.94	1736.63	3107.65	-77.13	885.00	246.79	3.59	PASS	
9625.00†	7044.68	874.84	3206.36	9616.96	6847.39	1736.36	3207.64	-77.10	883.82	255.47	3.47	PASS	
9725.00†	7044.25	875.80	3306.35	9716.95	6846.85	1736.08	3307.63	-77.08	882.64	264.17	3.35	PASS	
9825.00†	7043.81	876.76	3406.35	9816.95	6846.30	1735.81	3407.62	-77.05	881.46	272.88	3.24	PASS	
9925.00†	7043.37	877.72	3506.34	9916.94	6845.76	1735.54	3507.61	-77.03	880.29	281.62	3.13	PASS	
10025.00†	7042.94	878.68	3606.33	10016.93	6845.21	1735.26	3607.60	-77.00	879.11	290.37	3.03	PASS	
10125.00†	7042.50	879.64	3706.33	10116.92	6844.67	1734.99	3707.59	-76.98	877.93	299.13	2.94	PASS	
10225.00†	7042.07	880.60	3806.32	10216.92	6844.13	1734.72	3807.58	-76.95	876.75	307.90	2.85	PASS	
10325.00†	7041.63	881.56	3906.32	10316.91	6843.58	1734.44	3907.57	-76.93	875.58	316.69	2.77	PASS	
10425.00†	7041.19	882.52	4006.31	10416.90	6843.04	1734.17	4007.56	-76.90	874.40	325.49	2.69	PASS	
10525.00†	7040.76	883.48	4106.31	10516.89	6842.49	1733.90	4107.55	-76.88	873.22	334.30	2.62	PASS	
10625.00†	7040.32	884.44	4206.30	10616.88	6841.95	1733.63	4207.54	-76.85	872.05	343.11	2.54	PASS	
10725.00†	7039.88	885.40	4306.30	10716.88	6841.41	1733.35	4307.53	-76.83	870.87	351.93	2.48	PASS	
10825.00†	7039.45	886.36	4406.29	10816.87	6840.86	1733.08	4407.52	-76.80	869.70	360.76	2.41	PASS	
10925.00†	7039.01	887.32	4506.28	10916.86	6840.32	1732.81	4507.51	-76.78	868.52	369.60	2.35	PASS	
11025.00†	7038.57	888.28	4606.28	11016.85	6839.77	1732.53	4607.50	-76.75	867.34	378.44	2.29	PASS	
11125.00†	7038.14	889.24	4706.27	11116.85	6839.23	1732.26	4707.49	-76.73	866.17	387.29	2.24	PASS	
11225.00†	7037.70	890.20	4806.27	11216.84	6838.69	1731.99	4807.48	-76.70	864.99	396.14	2.19	PASS	
11325.00†	7037.27	891.16	4906.26	11316.83	6838.14	1731.71	4907.48	-76.67	863.82	404.99	2.13	PASS	
11425.00†	7036.83	892.12	5006.26	11416.82	6837.60	1731.44	5007.47	-76.65	862.64	413.85	2.09	PASS	
11525.00†	7036.39	893.08	5106.25	11516.82	6837.05	1731.17	5107.46	-76.62	861.47	422.72	2.04	PASS	
11625.00†	7035.96	894.04	5206.25	11616.81	6836.51	1730.89	5207.45	-76.60	860.29	431.58	1.99	PASS	
11725.00†	7035.52	895.00	5306.24	11716.80	6835.96	1730.62	5307.44	-76.57	859.12	440.45	1.95	PASS	
11825.00†	7035.08	895.96	5406.23	11816.79	6835.42	1730.35	5407.43	-76.54	857.95	449.32	1.91	PASS	
11925.00†	7034.65	896.92	5506.23	11916.78	6834.88	1730.07	5507.42	-76.52	856.77	458.20	1.87	PASS	
12025.00†	7034.21	897.88	5606.22	12016.78	6834.33	1729.80	5607.41	-76.49	855.60	467.07	1.83	PASS	
12125.00†	7033.78	898.84	5706.22	12116.77	6833.79	1729.53	5707.40	-76.47	854.42	475.95	1.80	PASS	
12225.00†	7033.34	899.80	5806.21	12216.76	6833.24	1729.25	5807.39	-76.44	853.25	484.83	1.76	PASS	
12325.00†	7032.90	900.76	5906.21	12316.75	6832.70	1728.98	5907.38	-76.41	852.08	493.71	1.73	PASS	
12425.00†	7032.47	901.72	6006.20	12416.75	6832.16	1728.71	6007.37	-76.39	850.90	502.59	1.69	PASS	
12525.00†	7032.03	902.68	6106.20	12516.74	6831.61	1728.44	6107.36	-76.36	849.73	511.47	1.66	PASS	
12625.00†	7031.59	903.64	6206.19	12616.73	6831.07	1728.16	6207.35	-76.33	848.56	520.36	1.63	PASS	
12725.00†	7031.16	904.60	6306.18	12716.72	6830.52	1727.89	6307.34	-76.31	847.39	529.24	1.60	PASS	
12789.77	7030.87	905.22	6370.95	12781.49	6830.17	1727.71	6372.11	-76.29	846.63	534.99	1.58	PASS	
12825.00†	7030.72	905.34	6406.18	12816.72	6829.98	1727.62	6407.33	-76.28	846.42	538.13	1.57	PASS	
12913.21	7030.34	903.75	6494.37	12904.92	6829.50	1727.37	6495.53	-76.28	847.76	546.05	1.55	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	12916.70	6829.43	1727.34	6507.31	-76.29	848.12	547.12	1.55	PASS	
13025.00†	7029.85	900.00	6606.10	13016.65	6828.89	1727.07	6607.26	-76.33	851.13	556.15	1.53	PASS	
13125.00†	7029.42	896.65	6706.04	13116.60	6828.35	1726.80	6707.21	-76.37	854.15	565.19	1.51	PASS	
13225.00†	7028.99	893.31	6805.98	13216.56	6827.80	1726.52	6807.17	-76.41	857.16	574.24	1.49	PASS	
13325.00†	7028.55	889.96	6905.93	13316.51	6827.26	1726.25	6907.12	-76.45	860.18	583.28	1.48	PASS	
13425.00†	7028.12	886.61	7005.87	13416.46	6826.71	1725.98	7007.07	-76.49	863.19	592.34	1.46	PASS	
13525.00†	7027.68	883.26	7105.81	13516.41	6826.17	1725.70	7107.02	-76.53	866.21	601.39	1.44	PASS	
13625.00†	7027.25	879.91	7205.76	13616.37	6825.63	1725.43	7206.97	-76.57	869.23	610.45	1.42	PASS	
13725.00†	7026.82	876.56	7305.70	13716.32	6825.08	1725.16	7306.92	-76.61	872.24	619.51	1.41	PASS	
13825.00†	7026.38	873.22	7405.64	13816.27	6824.54	1724.89	7406.87	-76.65	875.26	628.58	1.39	PASS	
13925.00†	7025.95	869.87	7505.58	13916.22	6824.00	1724.61	7506.82	-76.69	878.28	637.65	1.38	PASS	
14025.00†	7025.52	866.52	7605.53	14016.18	6823.45	1724.34	7606.77	-76.73	881.30	646.72	1.36	PASS	
14125.00†	7025.08	863.17	7705.47	14116.13	6822.91	1724.07	7706.72	-76.77	884.32	655.80	1.35	PASS	
14225.00†	7024.65	859.82	7805.41	14216.08	6822.36	1723.79	7806.67	-76.81	887.34	664.88	1.33	PASS	
14325.00†	7024.22	856.47	7905.36	14316.04	6821.82	1723.52	7906.62	-76.85	890.36	673.96	1.32	PASS	
14425.00†	7023.78	853.13	8005.30	14415.99	6821.28	1723.25	8006.57	-76.89	893.38	683.05	1.31	PASS	
14525.00†	7023.35	849.78	8105.24	14515.94	6820.73	1722.97	8106.53	-76.92	896.40	692.14	1.30	PASS	
14625.00†	7022.92	846.43	8205.19	14615.89	6820.19	1722.70	8206.48	-76.96	899.42	701.23	1.28	PASS	
14725.00†	7022.48	843.08	8305.13	14715.85	6819.64	1722.43	8306.43	-77.00	902.44	710.33	1.27	PASS	
14825.00†	7022.05	839.73	8405.07	14815.80	6819.10	1722.15	8406.38	-77.03	905.46	719.42	1.26	PASS	
14836.05	7022.00	839.36	8416.11	14826.84	6819.04	1722.12	8417.42	-77.04	905.79	720.43	1.26	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	-36.64	86.13	-9.64
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1712.72	0.00	-36.64	86.13	-9.64
8.5in Open Hole	1750.00	14834.14	13084.14	1712.72	N/A	86.13	-9.64	N/A	N/A

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	94.24	6945.79	89.22	6946.43	25.57	282.32	PASS	
125.00†	125.00	0.00	0.00	83.00	125.00	94.24	6945.79	89.22	6946.43	50.34	140.66	PASS	
225.00†	225.00	0.00	0.00	183.00	225.00	94.24	6945.79	89.22	6946.43	51.16	138.37	PASS	
300.00	300.00	0.00	0.00	258.00	300.00	94.24	6945.79	89.22	6946.43	52.28	135.34	PASS	
325.00†	325.00	0.10	0.05	283.00	325.00	94.24	6945.79	59.88	6946.38	52.70	134.25	PASS	
425.00†	424.96	2.38	1.34	382.96	424.96	94.24	6945.79	59.92	6945.06	54.86	128.84	PASS	
525.00†	524.77	7.70	4.33	482.77	524.77	94.24	6945.79	60.01	6942.00	57.53	122.71	PASS	
625.00†	624.30	16.05	9.03	582.30	624.30	94.24	6945.79	60.17	6937.21	60.57	116.36	PASS	
723.07	721.54	27.18	15.28	679.54	721.54	94.24	6945.79	60.37	6930.83	63.84	110.21	PASS	
725.00†	723.44	27.43	15.42	681.44	723.44	94.24	6945.79	60.37	6930.69	63.91	110.10	PASS	
825.00†	822.35	40.25	22.63	780.35	822.35	94.24	6945.79	60.47	6923.37	67.44	104.13	PASS	
925.00†	921.27	53.08	29.85	879.27	921.27	94.24	6945.79	60.58	6916.07	71.16	98.51	PASS	
1025.00†	1020.18	65.91	37.06	978.18	1020.18	94.24	6945.79	60.69	6908.79	75.02	93.28	PASS	
1125.00†	1119.09	78.73	44.27	1077.09	1119.09	94.24	6945.79	60.79	6901.54	78.99	88.44	PASS	
1225.00†	1218.00	91.56	51.48	1176.00	1218.00	94.24	6945.79	60.90	6894.31	83.05	83.97	PASS	
1325.00†	1316.91	104.38	58.69	1274.91	1316.91	94.24	6945.79	61.00	6887.10	87.19	79.86	PASS	
1425.00†	1415.82	117.21	65.91	1373.82	1415.82	94.24	6945.79	61.11	6879.92	91.39	76.07	PASS	
1525.00†	1514.73	130.03	73.12	1472.73	1514.73	94.24	6945.79	61.22	6872.77	95.65	72.58	PASS	
1625.00†	1613.65	142.86	80.33	1571.65	1613.65	94.24	6945.79	61.32	6865.63	99.95	69.35	PASS	
1725.00†	1712.56	155.69	87.54	1670.56	1712.56	94.24	6945.79	61.43	6858.52	104.29	66.37	PASS	
1825.00†	1811.47	168.51	94.75	1769.47	1811.47	94.24	6945.79	61.54	6851.44	108.34	63.65	PASS	
1925.00†	1910.38	181.34	101.97	1868.38	1910.38	94.24	6945.79	61.64	6844.38	112.60	61.16	PASS	
2025.00†	2009.29	194.16	109.18	1967.29	2009.29	94.24	6945.79	61.75	6837.34	116.90	58.84	PASS	
2125.00†	2108.20	206.99	116.39	2066.20	2108.20	94.24	6945.79	61.86	6830.33	121.22	56.67	PASS	
2225.00†	2207.12	219.81	123.60	2165.12	2207.12	94.24	6945.79	61.97	6823.35	125.56	54.64	PASS	
2325.00†	2306.03	232.64	130.81	2264.03	2306.03	94.24	6945.79	62.08	6816.38	129.94	52.74	PASS	
2425.00†	2404.94	245.47	138.02	2362.94	2404.94	94.24	6945.79	62.18	6809.45	134.33	50.96	PASS	
2525.00†	2503.85	258.29	145.24	2461.85	2503.85	94.24	6945.79	62.29	6802.53	138.74	49.28	PASS	
2625.00†	2602.76	271.12	152.45	2560.76	2602.76	94.24	6945.79	62.40	6795.64	143.18	47.69	PASS	
2725.00†	2701.67	283.94	159.66	2659.67	2701.67	94.24	6945.79	62.51	6788.78	147.63	46.20	PASS	
2825.00†	2800.58	296.77	166.87	2758.58	2800.58	94.24	6945.79	62.62	6781.94	152.10	44.79	PASS	
2925.00†	2899.50	309.59	174.08	2857.50	2899.50	94.24	6945.79	62.73	6775.13	156.59	43.46	PASS	
3025.00†	2998.41	322.42	181.30	2956.41	2998.41	94.24	6945.79	62.84	6768.34	161.09	42.20	PASS	
3125.00†	3097.32	335.25	188.51	3055.32	3097.32	94.24	6945.79	62.95	6761.58	165.61	41.00	PASS	
3225.00†	3196.23	348.07	195.72	3154.23	3196.23	94.24	6945.79	63.06	6754.84	170.14	39.86	PASS	
3325.00†	3295.14	360.90	202.93	3253.14	3295.14	94.24	6945.79	63.17	6748.13	174.69	38.78	PASS	
3425.00†	3394.05	373.72	210.14	3352.05	3394.05	94.24	6945.79	63.28	6741.44	179.25	37.75	PASS	
3525.00†	3492.97	386.55	217.36	3450.97	3492.97	94.24	6945.79	63.39	6734.78	183.83	36.77	PASS	
3625.00†	3591.88	399.38	224.57	3549.88	3591.88	94.24	6945.79	63.50	6728.15	188.42	35.84	PASS	
3725.00†	3690.79	412.20	231.78	3648.79	3690.79	94.24	6945.79	63.61	6721.54	193.02	34.95	PASS	
3825.00†	3789.70	425.03	238.99	3747.70	3789.70	94.24	6945.79	63.72	6714.95	197.63	34.10	PASS	
3925.00†	3888.61	437.85	246.20	3846.61	3888.61	94.24	6945.79	63.84	6708.39	202.25	33.28	PASS	
4025.00†	3987.52	450.68	253.42	3945.52	3987.52	94.24	6945.79	63.95	6701.86	206.89	32.50	PASS	
4125.00†	4086.43	463.50	260.63	4044.43	4086.43	94.24	6945.79	64.06	6695.35	211.53	31.76	PASS	
4225.00†	4185.35	476.33	267.84	4143.35	4185.35	94.24	6945.79	64.17	6688.87	216.19	31.04	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. W JONES 26-2G6 AWP 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	
4325.00†	4284.26	489.16	275.05	4242.26	4284.26	94.24	6945.79	64.29	6682.42	220.85	30.35	PASS	
4425.00†	4383.17	501.98	282.26	4341.17	4383.17	94.24	6945.79	64.40	6675.99	225.52	29.69	PASS	
4525.00†	4482.08	514.81	289.47	4440.08	4482.08	94.24	6945.79	64.51	6669.59	230.21	29.06	PASS	
4625.00†	4580.99	527.63	296.69	4538.99	4580.99	94.24	6945.79	64.62	6663.21	234.90	28.45	PASS	
4725.00†	4679.90	540.46	303.90	4637.90	4679.90	94.24	6945.79	64.74	6656.86	239.60	27.86	PASS	
4825.00†	4778.82	553.28	311.11	4736.82	4778.82	94.24	6945.79	64.85	6650.54	244.31	27.30	PASS	
4925.00†	4877.73	566.11	318.32	4835.73	4877.73	94.24	6945.79	64.97	6644.25	249.03	26.75	PASS	
5025.00†	4976.64	578.94	325.53	4934.64	4976.64	94.24	6945.79	65.08	6637.98	253.76	26.23	PASS	
5125.00†	5075.55	591.76	332.75	5033.55	5075.55	94.24	6945.79	65.19	6631.73	258.49	25.72	PASS	
5225.00†	5174.46	604.59	339.96	5132.46	5174.46	94.24	6945.79	65.31	6625.52	263.23	25.24	PASS	
5325.00†	5273.37	617.41	347.17	5231.37	5273.37	94.24	6945.79	65.42	6619.33	267.98	24.76	PASS	
5425.00†	5372.28	630.24	354.38	5330.28	5372.28	94.24	6945.79	65.54	6613.17	272.73	24.31	PASS	
5525.00†	5471.20	643.07	361.59	5429.20	5471.20	94.24	6945.79	65.65	6607.03	277.50	23.87	PASS	
5625.00†	5570.11	655.89	368.81	5528.11	5570.11	94.24	6945.79	65.77	6600.92	282.26	23.44	PASS	
5725.00†	5669.02	668.72	376.02	5627.02	5669.02	94.24	6945.79	65.88	6594.84	287.04	23.03	PASS	
5825.00†	5767.93	681.54	383.23	5725.93	5767.93	94.24	6945.79	66.00	6588.79	291.82	22.63	PASS	
5925.00†	5866.84	694.37	390.44	5824.84	5866.84	94.24	6945.79	66.11	6582.76	296.60	22.24	PASS	
6025.00†	5965.75	707.19	397.65	5923.75	5965.75	94.24	6945.79	66.23	6576.76	301.39	21.87	PASS	
6125.00†	6064.66	720.02	404.87	6022.66	6064.66	94.24	6945.79	66.35	6570.79	306.19	21.51	PASS	
6225.00†	6163.58	732.85	412.08	6121.58	6163.58	94.24	6945.79	66.46	6564.85	310.99	21.16	PASS	
6325.00†	6262.49	745.67	419.29	6220.49	6262.49	94.24	6945.79	66.58	6558.93	315.80	20.81	PASS	
6425.00†	6361.40	758.50	426.50	6319.40	6361.40	94.24	6945.79	66.70	6553.04	320.61	20.48	PASS	
6525.00†	6460.31	771.32	433.71	6418.31	6460.31	94.24	6945.79	66.82	6547.18	325.43	20.16	PASS	
6533.75	6468.97	772.45	434.34	6426.97	6468.97	94.24	6945.79	66.83	6546.67	325.85	20.13	PASS	
6625.00†	6558.44	784.11	447.41	6516.44	6558.44	94.24	6945.79	37.66	6534.89	330.40	19.82	PASS	
6725.00†	6653.23	796.63	476.37	6611.23	6653.23	94.24	6945.79	26.62	6507.44	335.84	19.42	PASS	
6825.00†	6742.33	808.56	519.92	6700.33	6742.33	94.24	6945.79	22.17	6465.45	340.98	19.00	PASS	
6925.00†	6823.57	819.61	577.00	6781.57	6823.57	94.24	6945.79	20.42	6409.97	345.61	18.58	PASS	
7025.00†	6894.93	829.52	646.20	6852.93	6894.93	94.24	6945.79	20.34	6342.36	349.64	18.17	PASS	
7125.00†	6954.67	838.03	725.81	6912.67	6954.67	94.24	6945.79	21.83	6264.29	352.99	17.78	PASS	
7225.00†	7001.30	844.93	813.89	6959.30	7001.30	94.24	6945.79	25.59	6177.68	355.60	17.41	PASS	
7325.00†	7033.68	850.07	908.25	6991.68	7033.68	94.24	6945.79	34.18	6084.66	357.44	17.05	PASS	
7425.00†	7051.02	853.30	1006.58	7009.02	7051.02	94.24	6945.79	57.43	5987.52	358.48	16.73	PASS	
7489.77	7054.00	854.34	1071.25	7012.00	7054.00	94.24	6945.79	91.80	5923.51	358.74	16.54	PASS	
7525.00†	7053.85	854.68	1106.47	7011.85	7053.85	94.24	6945.79	91.79	5888.62	358.79	16.44	PASS	
7625.00†	7053.41	855.64	1206.47	7011.41	7053.41	94.24	6945.79	91.76	5789.61	358.94	16.16	PASS	
7725.00†	7052.97	856.60	1306.46	7010.97	7052.97	94.24	6945.79	91.72	5690.62	359.11	15.88	PASS	
7825.00†	7052.54	857.56	1406.46	7010.54	7052.54	94.24	6945.79	91.69	5591.68	359.29	15.59	PASS	
7925.00†	7052.10	858.52	1506.45	7010.10	7052.10	94.24	6945.79	91.66	5492.77	359.50	15.31	PASS	
8025.00†	7051.66	859.48	1606.45	7009.66	7051.66	94.24	6945.79	91.63	5393.90	359.73	15.02	PASS	
8125.00†	7051.23	860.44	1706.44	7009.23	7051.23	94.24	6945.79	91.60	5295.08	359.99	14.74	PASS	
8225.00†	7050.79	861.40	1806.43	7008.79	7050.79	94.24	6945.79	91.57	5196.30	360.27	14.45	PASS	
8325.00†	7050.36	862.36	1906.43	7008.36	7050.36	94.24	6945.79	91.54	5097.57	360.58	14.16	PASS	
8425.00†	7049.92	863.32	2006.42	7007.92	7049.92	94.24	6945.79	91.51	4998.88	360.92	13.88	PASS	
8525.00†	7049.48	864.28	2106.42	7007.48	7049.48	94.24	6945.79	91.48	4900.25	361.30	13.59	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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/COIL) 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	
8625.00†	7049.05	865.24	2206.41	7007.05	7049.05	94.24	6945.79	91.45	4801.68	361.71	13.30	PASS	
8725.00†	7048.61	866.20	2306.41	7006.61	7048.61	94.24	6945.79	91.42	4703.17	362.15	13.01	PASS	
8825.00†	7048.17	867.16	2406.40	7006.17	7048.17	94.24	6945.79	91.39	4604.72	362.64	12.72	PASS	
8925.00†	7047.74	868.12	2506.40	7005.74	7047.74	94.24	6945.79	91.36	4506.34	363.17	12.43	PASS	
9025.00†	7047.30	869.08	2606.39	7005.30	7047.30	94.24	6945.79	91.33	4408.03	363.75	12.14	PASS	
9125.00†	7046.86	870.04	2706.38	7004.86	7046.86	94.24	6945.79	91.30	4309.81	364.38	11.85	PASS	
9225.00†	7046.43	871.00	2806.38	7004.43	7046.43	94.24	6945.79	91.27	4211.66	365.06	11.56	PASS	
9325.00†	7045.99	871.96	2906.37	7003.99	7045.99	94.24	6945.79	91.23	4113.60	365.81	11.27	PASS	
9425.00†	7045.56	872.92	3006.37	7003.56	7045.56	94.24	6945.79	91.20	4015.64	366.62	10.97	PASS	
9525.00†	7045.12	873.88	3106.36	7003.12	7045.12	94.24	6945.79	91.17	3917.79	367.50	10.68	PASS	
9625.00†	7044.68	874.84	3206.36	7002.68	7044.68	94.24	6945.79	91.14	3820.04	368.46	10.39	PASS	
9725.00†	7044.25	875.80	3306.35	7002.25	7044.25	94.24	6945.79	91.11	3722.41	369.50	10.09	PASS	
9825.00†	7043.81	876.76	3406.35	7001.81	7043.81	94.24	6945.79	91.08	3624.91	370.64	9.80	PASS	
9925.00†	7043.37	877.72	3506.34	7001.37	7043.37	94.24	6945.79	91.05	3527.56	371.87	9.50	PASS	
10025.00†	7042.94	878.68	3606.33	7000.94	7042.94	94.24	6945.79	91.02	3430.35	373.20	9.21	PASS	
10125.00†	7042.50	879.64	3706.33	7000.50	7042.50	94.24	6945.79	90.99	3333.31	374.65	8.91	PASS	
10225.00†	7042.07	880.60	3806.32	7000.07	7042.07	94.24	6945.79	90.96	3236.45	376.23	8.62	PASS	
10325.00†	7041.63	881.56	3906.32	6999.63	7041.63	94.24	6945.79	90.93	3139.79	377.95	8.32	PASS	
10425.00†	7041.19	882.52	4006.31	6999.19	7041.19	94.24	6945.79	90.90	3043.34	379.81	8.03	PASS	
10525.00†	7040.76	883.48	4106.31	6998.76	7040.76	94.24	6945.79	90.87	2947.13	381.84	7.73	PASS	
10625.00†	7040.32	884.44	4206.30	6998.32	7040.32	94.24	6945.79	90.84	2851.18	384.05	7.44	PASS	
10725.00†	7039.88	885.40	4306.30	6997.88	7039.88	94.24	6945.79	90.81	2755.51	386.46	7.14	PASS	
10825.00†	7039.45	886.36	4406.29	6997.45	7039.45	94.24	6945.79	90.78	2660.17	389.09	6.85	PASS	
10925.00†	7039.01	887.32	4506.28	6997.01	7039.01	94.24	6945.79	90.75	2565.18	391.95	6.55	PASS	
11025.00†	7038.57	888.28	4606.28	6996.57	7038.57	94.24	6945.79	90.71	2470.59	395.08	6.26	PASS	
11125.00†	7038.14	889.24	4706.27	6996.14	7038.14	94.24	6945.79	90.68	2376.44	398.51	5.97	PASS	
11225.00†	7037.70	890.20	4806.27	6995.70	7037.70	94.24	6945.79	90.65	2282.78	402.26	5.68	PASS	
11325.00†	7037.27	891.16	4906.26	6995.27	7037.27	94.24	6945.79	90.62	2189.69	406.37	5.40	PASS	
11425.00†	7036.83	892.12	5006.26	6994.83	7036.83	94.24	6945.79	90.59	2097.24	410.88	5.11	PASS	
11525.00†	7036.39	893.08	5106.25	6994.39	7036.39	94.24	6945.79	90.56	2005.50	415.84	4.83	PASS	
11625.00†	7035.96	894.04	5206.25	6993.96	7035.96	94.24	6945.79	90.53	1914.60	421.30	4.55	PASS	
11725.00†	7035.52	895.00	5306.24	6993.52	7035.52	94.24	6945.79	90.50	1824.65	427.31	4.28	PASS	
11825.00†	7035.08	895.96	5406.23	6993.08	7035.08	94.24	6945.79	90.47	1735.79	433.95	4.00	PASS	
11925.00†	7034.65	896.92	5506.23	6992.65	7034.65	94.24	6945.79	90.44	1648.22	441.29	3.74	PASS	
12025.00†	7034.21	897.88	5606.22	6992.21	7034.21	94.24	6945.79	90.41	1562.14	449.40	3.48	PASS	
12125.00†	7033.78	898.84	5706.22	6991.78	7033.78	94.24	6945.79	90.38	1477.81	458.37	3.23	PASS	
12225.00†	7033.34	899.80	5806.21	6991.34	7033.34	94.24	6945.79	90.35	1395.55	468.28	2.98	PASS	
12325.00†	7032.90	900.76	5906.21	6990.90	7032.90	94.24	6945.79	90.32	1315.75	479.22	2.75	PASS	
12425.00†	7032.47	901.72	6006.20	6990.47	7032.47	94.24	6945.79	90.29	1238.89	491.24	2.52	PASS	
12525.00†	7032.03	902.68	6106.20	6990.03	7032.03	94.24	6945.79	90.26	1165.54	504.37	2.31	PASS	
12625.00†	7031.59	903.64	6206.19	6989.59	7031.59	94.24	6945.79	90.22	1096.42	518.58	2.12	PASS	
12725.00†	7031.16	904.60	6306.18	6989.16	7031.16	94.24	6945.79	90.19	1032.36	533.73	1.94	PASS	
12789.77	7030.87	905.22	6370.95	6988.87	7030.87	94.24	6945.79	90.17	994.04	543.90	1.83	PASS	
12825.00†	7030.72	905.34	6406.18	6988.72	7030.72	94.24	6945.79	90.17	974.20	549.48	1.77	PASS	
12913.21	7030.34	903.75	6494.37	6988.34	7030.34	94.24	6945.79	90.15	926.86	563.32	1.65	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	6988.29	7030.29	94.24	6945.79	90.15	920.83	565.15	1.63	PASS	
13025.00†	7029.85	900.00	6606.10	6987.85	7029.85	94.24	6945.79	90.12	874.44	580.25	1.51	PASS	
13125.00†	7029.42	896.65	6706.04	6987.42	7029.42	94.24	6945.79	90.08	837.46	593.97	1.41	PASS	
13225.00†	7028.99	893.31	6805.98	6986.99	7028.99	94.24	6945.79	90.05	811.20	605.18	1.34	PASS	
13325.00†	7028.55	889.96	6905.93	6986.55	7028.55	94.24	6945.79	90.02	796.71	612.78	1.30	PASS	
13390.59†	7028.27	887.76	6971.48	6986.48	7028.48	94.24	6945.79	90.02	793.93	615.42	1.29	PASS	
13408.41†	7028.19	887.16	6989.29	6986.19	7028.19	94.24	6945.79	90.00	794.11	615.78	1.29	PASS	
13425.00†	7028.12	886.61	7005.87	6986.12	7028.12	94.24	6945.79	89.99	794.64	615.98	1.29	PASS	
13525.00†	7027.68	883.26	7105.81	6985.68	7027.68	94.24	6945.79	89.96	805.08	614.57	1.31	PASS	
13625.00†	7027.25	879.91	7205.76	6985.25	7027.25	94.24	6945.79	89.93	827.56	608.94	1.36	PASS	
13725.00†	7026.82	876.56	7305.70	6984.82	7026.82	94.24	6945.79	89.90	861.14	599.98	1.44	PASS	
13825.00†	7026.38	873.22	7405.64	6984.38	7026.38	94.24	6945.79	89.86	904.58	588.76	1.54	PASS	
13925.00†	7025.95	869.87	7505.58	6983.95	7025.95	94.24	6945.79	89.83	956.54	576.29	1.66	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	179.97	1.56	298.35	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-179.97	0.00	180.00	179.97	1.89	194.23	PASS	
225.00†	225.00	0.00	0.00	224.94	224.94	-179.98	-0.11	-179.97	179.98	2.45	120.58	PASS	
300.00	300.00	0.00	0.00	299.73	299.71	-180.04	-1.73	-179.45	180.04	2.90	92.66	PASS	
325.00†	325.00	0.10	0.05	324.63	324.59	-180.07	-2.71	151.53	180.19	3.05	86.06	PASS	
425.00†	424.96	2.38	1.34	423.88	423.65	-180.29	-8.74	153.78	182.95	3.93	61.43	PASS	
525.00†	524.77	7.70	4.33	522.14	521.46	-180.63	-18.08	157.34	189.69	5.23	44.19	PASS	
625.00†	624.30	16.05	9.03	618.91	617.42	-181.09	-30.55	161.82	201.19	6.48	36.32	PASS	
723.07	721.54	27.18	15.28	713.93	711.38	-181.61	-44.66	166.43	217.46	7.63	32.49	PASS	
725.00†	723.44	27.43	15.42	715.79	713.23	-181.62	-44.93	166.52	217.82	7.65	32.41	PASS	
825.00†	822.35	40.25	22.63	812.46	808.82	-182.14	-59.29	170.70	237.39	8.40	31.78	PASS	
925.00†	921.27	53.08	29.85	909.13	904.42	-182.67	-73.66	174.24	258.02	9.14	31.45	PASS	
1025.00†	1020.18	65.91	37.06	1005.81	1000.02	-183.20	-88.02	177.25	279.47	9.85	31.33	PASS	
1125.00†	1119.09	78.73	44.27	1102.48	1095.61	-183.72	-102.38	179.84	301.56	10.55	31.35	PASS	
1225.00†	1218.00	91.56	51.48	1199.15	1191.21	-184.25	-116.74	-177.92	324.17	11.16	31.69	PASS	
1325.00†	1316.91	104.38	58.69	1295.82	1286.81	-184.77	-131.10	-175.97	347.19	11.98	31.43	PASS	
1425.00†	1415.82	117.21	65.91	1392.49	1382.41	-185.30	-145.46	-174.27	370.55	12.69	31.52	PASS	
1525.00†	1514.73	130.03	73.12	1489.16	1478.00	-185.83	-159.82	-172.76	394.18	13.41	31.61	PASS	
1625.00†	1613.65	142.86	80.33	1585.83	1573.60	-186.35	-174.18	-171.43	418.05	14.12	31.69	PASS	
1725.00†	1712.56	155.69	87.54	1682.50	1669.20	-186.88	-188.54	-170.24	442.10	14.85	31.77	PASS	
1825.00†	1811.47	168.51	94.75	1779.18	1764.79	-187.41	-202.91	-169.17	466.32	15.07	32.42	PASS	
1925.00†	1910.38	181.34	101.97	1875.85	1860.39	-187.93	-217.27	-168.20	490.68	15.23	33.74	PASS	
2025.00†	2009.29	194.16	109.18	1972.52	1955.99	-188.46	-231.63	-167.33	515.16	15.37	35.09	PASS	
2125.00†	2108.20	206.99	116.39	2069.19	2051.59	-188.98	-245.99	-166.54	539.74	15.58	36.24	PASS	
2225.00†	2207.12	219.81	123.60	2165.86	2147.18	-189.51	-260.35	-165.81	564.41	15.87	37.18	PASS	
2325.00†	2306.03	232.64	130.81	2262.53	2242.78	-190.04	-274.71	-165.15	589.16	16.23	37.92	PASS	
2425.00†	2404.94	245.47	138.02	2359.20	2338.38	-190.56	-289.07	-164.54	613.97	16.65	38.47	PASS	
2525.00†	2503.85	258.29	145.24	2455.87	2433.97	-191.09	-303.43	-163.97	638.85	17.13	38.86	PASS	
2625.00†	2602.76	271.12	152.45	2552.55	2529.57	-191.61	-317.80	-163.45	663.78	17.67	39.10	PASS	
2725.00†	2701.67	283.94	159.66	2649.22	2625.17	-192.14	-332.16	-162.97	688.76	18.25	39.22	PASS	
2825.00†	2800.58	296.77	166.87	2745.89	2720.77	-192.67	-346.52	-162.52	713.78	18.88	39.24	PASS	
2925.00†	2899.50	309.59	174.08	2842.56	2816.36	-193.19	-360.88	-162.10	738.85	19.55	39.17	PASS	
3025.00†	2998.41	322.42	181.30	2939.23	2911.96	-193.72	-375.24	-161.70	763.94	20.26	39.04	PASS	
3125.00†	3097.32	335.25	188.51	3035.90	3007.56	-194.24	-389.60	-161.34	789.07	20.99	38.86	PASS	
3225.00†	3196.23	348.07	195.72	3132.57	3103.16	-194.77	-403.96	-160.99	814.22	21.76	38.65	PASS	
3325.00†	3295.14	360.90	202.93	3229.25	3198.75	-195.30	-418.32	-160.67	839.41	22.55	38.40	PASS	
3425.00†	3394.05	373.72	210.14	3325.92	3294.35	-195.82	-432.69	-160.36	864.61	23.36	38.13	PASS	
3525.00†	3492.97	386.55	217.36	3422.59	3389.95	-196.35	-447.05	-160.07	889.84	24.20	37.85	PASS	
3625.00†	3591.88	399.38	224.57	3519.26	3485.54	-196.88	-461.41	-159.80	915.09	25.05	37.56	PASS	
3725.00†	3690.79	412.20	231.78	3615.93	3581.14	-197.40	-475.77	-159.54	940.35	25.92	37.27	PASS	
3825.00†	3789.70	425.03	238.99	3712.60	3676.74	-197.93	-490.13	-159.30	965.64	26.81	36.97	PASS	
3925.00†	3888.61	437.85	246.20	3809.27	3772.34	-198.45	-504.49	-159.07	990.93	27.70	36.68	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	0.00	-111.93	-60.52
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.94	-109.71	0.00	-111.93	-60.52
8.5in Open Hole	1750.00	16646.36	14896.36	1735.94	N/A	-111.93	-60.52	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: TROUDT 1C-26-L PWB Offset Wellpath: TROUDT 1C-26-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1C-26-L PWB
1750.00	16646.36	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 1C-26-L PWB

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	69.12	5578.45	89.29	5578.88	25.57	226.73	PASS	
125.00†	125.00	0.00	0.00	94.00	125.00	69.12	5578.45	89.29	5578.88	50.36	112.91	PASS	
225.00†	225.00	0.00	0.00	194.00	225.00	69.12	5578.45	89.29	5578.88	51.26	110.90	PASS	
300.00	300.00	0.00	0.00	269.00	300.00	69.12	5578.45	89.29	5578.88	52.46	108.31	PASS	
325.00†	325.00	0.10	0.05	294.00	325.00	69.12	5578.45	59.94	5578.83	52.88	107.44	PASS	
425.00†	424.96	2.38	1.34	393.96	424.96	69.12	5578.45	59.99	5577.52	55.11	103.00	PASS	
525.00†	524.77	7.70	4.33	493.77	524.77	69.12	5578.45	60.10	5574.40	57.83	98.02	PASS	
625.00†	624.30	16.05	9.03	593.30	624.30	69.12	5578.45	60.27	5569.68	60.91	92.89	PASS	
723.07	721.54	27.18	15.28	690.54	721.54	69.12	5578.45	60.49	5563.33	64.21	87.95	PASS	
725.00†	723.44	27.43	15.42	692.44	723.44	69.12	5578.45	60.49	5563.19	64.27	87.86	PASS	
825.00†	822.35	40.25	22.63	791.35	822.35	69.12	5578.45	60.62	5555.89	67.84	83.07	PASS	
925.00†	921.27	53.08	29.85	890.27	921.27	69.12	5578.45	60.75	5548.63	71.57	78.57	PASS	
1025.00†	1020.18	65.91	37.06	989.18	1020.18	69.12	5578.45	60.89	5541.40	75.44	74.39	PASS	
1125.00†	1119.09	78.73	44.27	1088.09	1119.09	69.12	5578.45	61.02	5534.19	79.42	70.52	PASS	
1225.00†	1218.00	91.56	51.48	1187.00	1218.00	69.12	5578.45	61.15	5527.02	83.50	66.96	PASS	
1325.00†	1316.91	104.38	58.69	1285.91	1316.91	69.12	5578.45	61.28	5519.87	87.64	63.67	PASS	
1425.00†	1415.82	117.21	65.91	1384.82	1415.82	69.12	5578.45	61.42	5512.76	91.85	60.65	PASS	
1525.00†	1514.73	130.03	73.12	1483.73	1514.73	69.12	5578.45	61.55	5505.67	96.11	57.86	PASS	
1625.00†	1613.65	142.86	80.33	1582.65	1613.65	69.12	5578.45	61.68	5498.62	100.41	55.28	PASS	
1725.00†	1712.56	155.69	87.54	1681.56	1712.56	69.12	5578.45	61.82	5491.59	104.76	52.90	PASS	
1825.00†	1811.47	168.51	94.75	1780.47	1811.47	69.12	5578.45	61.95	5484.60	108.81	50.73	PASS	
1925.00†	1910.38	181.34	101.97	1879.38	1910.38	69.12	5578.45	62.09	5477.64	113.08	48.74	PASS	
2025.00†	2009.29	194.16	109.18	1978.29	2009.29	69.12	5578.45	62.22	5470.71	117.37	46.89	PASS	
2125.00†	2108.20	206.99	116.39	2077.20	2108.20	69.12	5578.45	62.36	5463.80	121.70	45.15	PASS	
2225.00†	2207.12	219.81	123.60	2176.12	2207.12	69.12	5578.45	62.49	5456.93	126.05	43.53	PASS	
2325.00†	2306.03	232.64	130.81	2275.03	2306.03	69.12	5578.45	62.63	5450.09	130.42	42.01	PASS	
2425.00†	2404.94	245.47	138.02	2373.94	2404.94	69.12	5578.45	62.76	5443.29	134.81	40.58	PASS	
2525.00†	2503.85	258.29	145.24	2472.85	2503.85	69.12	5578.45	62.90	5436.51	139.23	39.24	PASS	
2625.00†	2602.76	271.12	152.45	2571.76	2602.76	69.12	5578.45	63.04	5429.76	143.66	37.98	PASS	
2725.00†	2701.67	283.94	159.66	2670.67	2701.67	69.12	5578.45	63.18	5423.05	148.12	36.78	PASS	
2825.00†	2800.58	296.77	166.87	2769.58	2800.58	69.12	5578.45	63.31	5416.37	152.59	35.66	PASS	
2925.00†	2899.50	309.59	174.08	2868.50	2899.50	69.12	5578.45	63.45	5409.72	157.08	34.59	PASS	
3025.00†	2998.41	322.42	181.30	2967.41	2998.41	69.12	5578.45	63.59	5403.10	161.58	33.58	PASS	
3125.00†	3097.32	335.25	188.51	3066.32	3097.32	69.12	5578.45	63.73	5396.51	166.10	32.62	PASS	
3225.00†	3196.23	348.07	195.72	3165.23	3196.23	69.12	5578.45	63.87	5389.96	170.63	31.72	PASS	
3325.00†	3295.14	360.90	202.93	3264.14	3295.14	69.12	5578.45	64.01	5383.43	175.18	30.85	PASS	
3425.00†	3394.05	373.72	210.14	3363.05	3394.05	69.12	5578.45	64.15	5376.94	179.75	30.03	PASS	
3525.00†	3492.97	386.55	217.36	3461.97	3492.97	69.12	5578.45	64.29	5370.49	184.32	29.25	PASS	
3625.00†	3591.88	399.38	224.57	3560.88	3591.88	69.12	5578.45	64.43	5364.06	188.91	28.50	PASS	
3725.00†	3690.79	412.20	231.78	3659.79	3690.79	69.12	5578.45	64.57	5357.67	193.51	27.78	PASS	
3825.00†	3789.70	425.03	238.99	3758.70	3789.70	69.12	5578.45	64.71	5351.31	198.12	27.10	PASS	
3925.00†	3888.61	437.85	246.20	3857.61	3888.61	69.12	5578.45	64.85	5344.98	202.75	26.45	PASS	
4025.00†	3987.52	450.68	253.42	3956.52	3987.52	69.12	5578.45	64.99	5338.69	207.38	25.83	PASS	
4125.00†	4086.43	463.50	260.63	4055.43	4086.43	69.12	5578.45	65.13	5332.43	212.03	25.23	PASS	
4225.00†	4185.35	476.33	267.84	4154.35	4185.35	69.12	5578.45	65.28	5326.20	216.68	24.66	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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/COOL)				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
4325.00†	4284.26	489.16	275.05	4253.26	4284.26	69.12	5578.45	65.42	5320.01	221.35	24.11	PASS
4425.00†	4383.17	501.98	282.26	4352.17	4383.17	69.12	5578.45	65.56	5313.85	226.02	23.58	PASS
4525.00†	4482.08	514.81	289.47	4451.08	4482.08	69.12	5578.45	65.70	5307.72	230.71	23.07	PASS
4625.00†	4580.99	527.63	296.69	4549.99	4580.99	69.12	5578.45	65.85	5301.63	235.40	22.59	PASS
4725.00†	4679.90	540.46	303.90	4648.90	4679.90	69.12	5578.45	65.99	5295.57	240.10	22.12	PASS
4825.00†	4778.82	553.28	311.11	4747.82	4778.82	69.12	5578.45	66.14	5289.55	244.81	21.67	PASS
4925.00†	4877.73	566.11	318.32	4846.73	4877.73	69.12	5578.45	66.28	5283.56	249.53	21.23	PASS
5025.00†	4976.64	578.94	325.53	4945.64	4976.64	69.12	5578.45	66.43	5277.60	254.26	20.81	PASS
5125.00†	5075.55	591.76	332.75	5044.55	5075.55	69.12	5578.45	66.57	5271.68	258.99	20.41	PASS
5225.00†	5174.46	604.59	339.96	5143.46	5174.46	69.12	5578.45	66.72	5265.79	263.73	20.02	PASS
5325.00†	5273.37	617.41	347.17	5242.37	5273.37	69.12	5578.45	66.86	5259.94	268.48	19.64	PASS
5425.00†	5372.28	630.24	354.38	5341.28	5372.28	69.12	5578.45	67.01	5254.12	273.23	19.28	PASS
5525.00†	5471.20	643.07	361.59	5440.20	5471.20	69.12	5578.45	67.16	5248.34	277.99	18.92	PASS
5625.00†	5570.11	655.89	368.81	5539.11	5570.11	69.12	5578.45	67.30	5242.59	282.76	18.58	PASS
5725.00†	5669.02	668.72	376.02	5638.02	5669.02	69.12	5578.45	67.45	5236.87	287.54	18.26	PASS
5825.00†	5767.93	681.54	383.23	5736.93	5767.93	69.12	5578.45	67.60	5231.20	292.32	17.94	PASS
5925.00†	5866.84	694.37	390.44	5835.84	5866.84	69.12	5578.45	67.74	5225.55	297.10	17.63	PASS
6025.00†	5965.75	707.19	397.65	5934.75	5965.75	69.12	5578.45	67.89	5219.94	301.89	17.33	PASS
6125.00†	6064.66	720.02	404.87	6033.66	6064.66	69.12	5578.45	68.04	5214.37	306.69	17.04	PASS
6225.00†	6163.58	732.85	412.08	6132.58	6163.58	69.12	5578.45	68.19	5208.84	311.49	16.76	PASS
6325.00†	6262.49	745.67	419.29	6231.49	6262.49	69.12	5578.45	68.34	5203.33	316.30	16.49	PASS
6425.00†	6361.40	758.50	426.50	6330.40	6361.40	69.12	5578.45	68.49	5197.87	321.11	16.22	PASS
6525.00†	6460.31	771.32	433.71	6429.31	6460.31	69.12	5578.45	68.64	5192.44	325.93	15.96	PASS
6533.75	6468.97	772.45	434.34	6437.97	6468.97	69.12	5578.45	68.65	5191.97	326.35	15.94	PASS
6625.00†	6558.44	784.11	447.41	6527.44	6558.44	69.12	5578.45	39.54	5180.62	330.90	15.69	PASS
6725.00†	6653.23	796.63	476.37	6622.23	6653.23	69.12	5578.45	28.63	5153.69	336.36	15.35	PASS
6825.00†	6742.33	808.56	519.92	6711.33	6742.33	69.12	5578.45	24.38	5112.29	341.51	15.00	PASS
6925.00†	6823.57	819.61	577.00	6792.57	6823.57	69.12	5578.45	22.93	5057.45	346.14	14.64	PASS
7025.00†	6894.93	829.52	646.20	6863.93	6894.93	69.12	5578.45	23.29	4990.53	350.19	14.28	PASS
7125.00†	6954.67	838.03	725.81	6923.67	6954.67	69.12	5578.45	25.45	4913.18	353.57	13.92	PASS
7225.00†	7001.30	844.93	813.89	6970.30	7001.30	69.12	5578.45	30.25	4827.31	356.23	13.58	PASS
7325.00†	7033.68	850.07	908.25	7002.68	7033.68	69.12	5578.45	40.37	4735.05	358.12	13.25	PASS
7425.00†	7051.02	853.30	1006.58	7020.02	7051.02	69.12	5578.45	63.69	4638.64	359.22	12.94	PASS
7489.77	7054.00	854.34	1071.25	7023.00	7054.00	69.12	5578.45	91.36	4575.09	359.52	12.75	PASS
7525.00†	7053.85	854.68	1106.47	7022.85	7053.85	69.12	5578.45	91.35	4540.45	359.60	12.65	PASS
7625.00†	7053.41	855.64	1206.47	7022.41	7053.41	69.12	5578.45	91.32	4442.17	359.83	12.37	PASS
7725.00†	7052.97	856.60	1306.46	7021.97	7052.97	69.12	5578.45	91.29	4343.96	360.10	12.09	PASS
7825.00†	7052.54	857.56	1406.46	7021.54	7052.54	69.12	5578.45	91.26	4245.84	360.40	11.80	PASS
7925.00†	7052.10	858.52	1506.45	7021.10	7052.10	69.12	5578.45	91.23	4147.81	360.74	11.52	PASS
8025.00†	7051.66	859.48	1606.45	7020.66	7051.66	69.12	5578.45	91.20	4049.88	361.13	11.23	PASS
8125.00†	7051.23	860.44	1706.44	7020.23	7051.23	69.12	5578.45	91.17	3952.05	361.56	10.95	PASS
8225.00†	7050.79	861.40	1806.43	7019.79	7050.79	69.12	5578.45	91.14	3854.33	362.05	10.66	PASS
8325.00†	7050.36	862.36	1906.43	7019.36	7050.36	69.12	5578.45	91.11	3756.73	362.59	10.38	PASS
8425.00†	7049.92	863.32	2006.42	7018.92	7049.92	69.12	5578.45	91.08	3659.26	363.20	10.09	PASS
8525.00†	7049.48	864.28	2106.42	7018.48	7049.48	69.12	5578.45	91.05	3561.92	363.88	9.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8625.00†	7049.05	865.24	2206.41	7018.05	7049.05	69.12	5578.45	91.02	3464.75	364.63	9.52	PASS	
8725.00†	7048.61	866.20	2306.41	7017.61	7048.61	69.12	5578.45	90.99	3367.73	365.47	9.23	PASS	
8825.00†	7048.17	867.16	2406.40	7017.17	7048.17	69.12	5578.45	90.96	3270.90	366.40	8.94	PASS	
8925.00†	7047.74	868.12	2506.40	7016.74	7047.74	69.12	5578.45	90.93	3174.26	367.44	8.65	PASS	
9025.00†	7047.30	869.08	2606.39	7016.30	7047.30	69.12	5578.45	90.89	3077.84	368.58	8.36	PASS	
9125.00†	7046.86	870.04	2706.38	7015.86	7046.86	69.12	5578.45	90.86	2981.65	369.86	8.08	PASS	
9225.00†	7046.43	871.00	2806.38	7015.43	7046.43	69.12	5578.45	90.83	2885.72	371.27	7.79	PASS	
9325.00†	7045.99	871.96	2906.37	7014.99	7045.99	69.12	5578.45	90.80	2790.08	372.84	7.50	PASS	
9425.00†	7045.56	872.92	3006.37	7014.56	7045.56	69.12	5578.45	90.77	2694.76	374.57	7.21	PASS	
9525.00†	7045.12	873.88	3106.36	7014.12	7045.12	69.12	5578.45	90.74	2599.78	376.49	6.92	PASS	
9625.00†	7044.68	874.84	3206.36	7013.68	7044.68	69.12	5578.45	90.71	2505.20	378.62	6.63	PASS	
9725.00†	7044.25	875.80	3306.35	7013.25	7044.25	69.12	5578.45	90.68	2411.05	380.97	6.34	PASS	
9825.00†	7043.81	876.76	3406.35	7012.81	7043.81	69.12	5578.45	90.65	2317.40	383.59	6.05	PASS	
9925.00†	7043.37	877.72	3506.34	7012.37	7043.37	69.12	5578.45	90.62	2224.29	386.48	5.76	PASS	
10025.00†	7042.94	878.68	3606.33	7011.94	7042.94	69.12	5578.45	90.59	2131.82	389.70	5.48	PASS	
10125.00†	7042.50	879.64	3706.33	7011.50	7042.50	69.12	5578.45	90.56	2040.05	393.26	5.20	PASS	
10225.00†	7042.07	880.60	3806.32	7011.07	7042.07	69.12	5578.45	90.53	1949.09	397.22	4.91	PASS	
10325.00†	7041.63	881.56	3906.32	7010.63	7041.63	69.12	5578.45	90.50	1859.06	401.62	4.64	PASS	
10425.00†	7041.19	882.52	4006.31	7010.19	7041.19	69.12	5578.45	90.47	1770.10	406.52	4.36	PASS	
10525.00†	7040.76	883.48	4106.31	7009.76	7040.76	69.12	5578.45	90.44	1682.38	411.96	4.09	PASS	
10625.00†	7040.32	884.44	4206.30	7009.32	7040.32	69.12	5578.45	90.41	1596.10	418.01	3.82	PASS	
10725.00†	7039.88	885.40	4306.30	7008.88	7039.88	69.12	5578.45	90.38	1511.52	424.74	3.56	PASS	
10825.00†	7039.45	886.36	4406.29	7008.45	7039.45	69.12	5578.45	90.35	1428.93	432.22	3.31	PASS	
10925.00†	7039.01	887.32	4506.28	7008.01	7039.01	69.12	5578.45	90.32	1348.70	440.51	3.06	PASS	
11025.00†	7038.57	888.28	4606.28	7007.57	7038.57	69.12	5578.45	90.29	1271.28	449.68	2.83	PASS	
11125.00†	7038.14	889.24	4706.27	7007.14	7038.14	69.12	5578.45	90.26	1197.20	459.75	2.61	PASS	
11225.00†	7037.70	890.20	4806.27	7006.70	7037.70	69.12	5578.45	90.23	1127.14	470.73	2.40	PASS	
11325.00†	7037.27	891.16	4906.26	7006.27	7037.27	69.12	5578.45	90.20	1061.88	482.53	2.20	PASS	
11425.00†	7036.83	892.12	5006.26	7005.83	7036.83	69.12	5578.45	90.17	1002.36	494.98	2.03	PASS	
11525.00†	7036.39	893.08	5106.25	7005.39	7036.39	69.12	5578.45	90.14	949.67	507.73	1.87	PASS	
11625.00†	7035.96	894.04	5206.25	7004.96	7035.96	69.12	5578.45	90.11	905.00	520.30	1.74	PASS	
11725.00†	7035.52	895.00	5306.24	7004.52	7035.52	69.12	5578.45	90.08	869.58	531.97	1.64	PASS	
11825.00†	7035.08	895.96	5406.23	7004.08	7035.08	69.12	5578.45	90.05	844.58	541.93	1.56	PASS	
11925.00†	7034.65	896.92	5506.23	7003.65	7034.65	69.12	5578.45	90.02	830.94	549.39	1.51	PASS	
11990.63†	7034.36	897.55	5571.85	7003.12	7034.12	69.12	5578.45	89.98	828.45	552.61	1.50	PASS	
12025.00†	7034.21	897.88	5606.22	7003.21	7034.21	69.12	5578.45	89.99	829.22	553.74	1.50	PASS	
12125.00†	7033.78	898.84	5706.22	7002.78	7033.78	69.12	5578.45	89.96	839.50	554.76	1.51	PASS	
12225.00†	7033.34	899.80	5806.21	7002.34	7033.34	69.12	5578.45	89.93	861.34	552.63	1.56	PASS	
12325.00†	7032.90	900.76	5906.21	7001.90	7032.90	69.12	5578.45	89.90	893.89	547.89	1.63	PASS	
12425.00†	7032.47	901.72	6006.20	7001.47	7032.47	69.12	5578.45	89.87	936.05	541.22	1.73	PASS	
12525.00†	7032.03	902.68	6106.20	7001.03	7032.03	69.12	5578.45	89.84	986.57	533.35	1.85	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-75.13	-90.00	75.13	1.56	123.61	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-75.13	-90.00	75.13	1.88	80.79	PASS	
225.00†	225.00	0.00	0.00	225.18	225.18	0.11	-75.10	-89.92	75.10	2.44	50.13	PASS	
300.00	300.00	0.00	0.00	300.68	300.66	1.70	-74.64	-88.69	74.67	2.91	37.88	PASS	
325.00†	325.00	0.10	0.05	325.83	325.79	2.66	-74.37	-117.38	74.47	3.06	35.01	PASS	
395.05†	395.03	1.37	0.77	396.16	396.00	6.46	-73.29	-115.44	74.24	3.57	28.11	PASS	
425.00†	424.96	2.38	1.34	426.33	426.10	8.59	-72.68	-114.56	74.28	3.78	26.02	PASS	
525.00†	524.77	7.70	4.33	526.69	525.98	17.89	-70.02	-111.55	75.05	4.57	20.53	PASS	
625.00†	624.30	16.05	9.03	626.90	625.32	30.53	-66.41	-108.46	76.82	5.38	17.19	PASS	
723.07	721.54	27.18	15.28	725.02	722.09	46.13	-61.96	-105.46	79.53	6.27	14.79	PASS	
725.00†	723.44	27.43	15.42	726.95	723.98	46.47	-61.86	-105.40	79.60	6.29	14.75	PASS	
825.00†	822.35	40.25	22.63	826.73	821.73	65.66	-56.38	-101.34	83.00	7.32	12.91	PASS	
925.00†	921.27	53.08	29.85	926.00	918.25	87.98	-50.01	-95.39	87.20	8.52	11.41	PASS	
1025.00†	1020.18	65.91	37.06	1024.51	1013.17	113.31	-42.78	-88.03	93.11	9.90	10.31	PASS	
1125.00†	1119.09	78.73	44.27	1122.82	1107.11	141.20	-34.81	-80.15	101.49	11.31	9.71	PASS	
1225.00†	1218.00	91.56	51.48	1221.51	1201.31	169.48	-26.74	-73.40	111.67	12.65	9.47	PASS	
1325.00†	1316.91	104.38	58.69	1320.19	1295.50	197.77	-18.66	-67.81	123.14	13.84	9.49	PASS	
1425.00†	1415.82	117.21	65.91	1418.87	1389.69	226.06	-10.58	-63.21	135.58	14.94	9.63	PASS	
1525.00†	1514.73	130.03	73.12	1517.55	1483.89	254.35	-2.51	-59.39	148.74	15.97	9.85	PASS	
1625.00†	1613.65	142.86	80.33	1616.23	1578.08	282.63	5.57	-56.20	162.45	16.94	10.11	PASS	
1725.00†	1712.56	155.69	87.54	1714.91	1672.28	310.92	13.65	-53.51	176.58	17.87	10.39	PASS	
1825.00†	1811.47	168.51	94.75	1813.59	1766.47	339.21	21.72	-51.22	191.04	18.01	11.00	PASS	
1925.00†	1910.38	181.34	101.97	1912.27	1860.66	367.50	29.80	-49.25	205.75	17.96	11.89	PASS	
2025.00†	2009.29	194.16	109.18	2010.95	1954.86	395.78	37.88	-47.54	220.67	17.97	12.74	PASS	
2125.00†	2108.20	206.99	116.39	2109.63	2049.05	424.07	45.95	-46.06	235.76	18.09	13.53	PASS	
2225.00†	2207.12	219.81	123.60	2208.31	2143.25	452.36	54.03	-44.75	250.99	18.29	14.24	PASS	
2325.00†	2306.03	232.64	130.81	2307.00	2237.44	480.65	62.11	-43.59	266.33	18.58	14.87	PASS	
2425.00†	2404.94	245.47	138.02	2405.68	2331.63	508.93	70.18	-42.56	281.76	18.94	15.41	PASS	
2525.00†	2503.85	258.29	145.24	2504.36	2425.83	537.22	78.26	-41.63	297.28	19.38	15.88	PASS	
2625.00†	2602.76	271.12	152.45	2603.04	2520.02	565.51	86.34	-40.80	312.86	19.89	16.27	PASS	
2725.00†	2701.67	283.94	159.66	2701.72	2614.22	593.80	94.42	-40.04	328.50	20.46	16.60	PASS	
2825.00†	2800.58	296.77	166.87	2800.40	2708.41	622.08	102.49	-39.36	344.19	21.08	16.86	PASS	
2925.00†	2899.50	309.59	174.08	2899.08	2802.60	650.37	110.57	-38.73	359.93	21.75	17.07	PASS	
3025.00†	2998.41	322.42	181.30	2997.76	2896.80	678.66	118.65	-38.16	375.71	22.46	17.24	PASS	
3125.00†	3097.32	335.25	188.51	3096.44	2990.99	706.95	126.72	-37.63	391.51	23.22	17.36	PASS	
3225.00†	3196.23	348.07	195.72	3195.12	3085.19	735.23	134.80	-37.14	407.35	24.01	17.45	PASS	
3325.00†	3295.14	360.90	202.93	3293.81	3179.38	763.52	142.88	-36.69	423.22	24.83	17.52	PASS	
3425.00†	3394.05	373.72	210.14	3392.49	3273.57	791.81	150.95	-36.28	439.10	25.67	17.56	PASS	
3525.00†	3492.97	386.55	217.36	3491.17	3367.77	820.09	159.03	-35.89	455.01	26.55	17.58	PASS	
3625.00†	3591.88	399.38	224.57	3589.85	3461.96	848.38	167.11	-35.53	470.94	27.44	17.59	PASS	
3725.00†	3690.79	412.20	231.78	3688.53	3556.16	876.67	175.18	-35.19	486.89	28.36	17.58	PASS	
3825.00†	3789.70	425.03	238.99	3787.21	3650.35	904.96	183.26	-34.87	502.85	29.30	17.57	PASS	
3925.00†	3888.61	437.85	246.20	3885.89	3744.54	933.24	191.34	-34.57	518.82	30.25	17.54	PASS	
4025.00†	3987.52	450.68	253.42	3984.57	3838.74	961.53	199.41	-34.29	534.81	31.21	17.51	PASS	
4125.00†	4086.43	463.50	260.63	4083.25	3932.93	989.82	207.49	-34.03	550.81	32.19	17.47	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4225.00†	4185.35	476.33	267.84	4181.93	4027.13	1018.11	215.57	-33.78	566.82	33.18	17.43	PASS	
4325.00†	4284.26	489.16	275.05	4280.61	4121.32	1046.39	223.64	-33.55	582.84	34.18	17.39	PASS	
4425.00†	4383.17	501.98	282.26	4379.30	4215.51	1074.68	231.72	-33.32	598.87	35.20	17.34	PASS	
4525.00†	4482.08	514.81	289.47	4477.98	4309.71	1102.97	239.80	-33.11	614.91	36.22	17.30	PASS	
4625.00†	4580.99	527.63	296.69	4576.66	4403.90	1131.26	247.87	-32.91	630.96	37.25	17.25	PASS	
4725.00†	4679.90	540.46	303.90	4675.34	4498.10	1159.54	255.95	-32.72	647.01	38.28	17.20	PASS	
4825.00†	4778.82	553.28	311.11	4774.02	4592.29	1187.83	264.03	-32.54	663.07	39.33	17.15	PASS	
4925.00†	4877.73	566.11	318.32	4872.70	4686.48	1216.12	272.11	-32.37	679.13	40.38	17.10	PASS	
5025.00†	4976.64	578.94	325.53	4971.38	4780.68	1244.41	280.18	-32.21	695.20	41.43	17.05	PASS	
5125.00†	5075.55	591.76	332.75	5070.06	4874.87	1272.69	288.26	-32.05	711.28	42.50	17.00	PASS	
5225.00†	5174.46	604.59	339.96	5168.74	4969.07	1300.98	296.34	-31.90	727.36	43.56	16.96	PASS	
5325.00†	5273.37	617.41	347.17	5267.42	5063.26	1329.27	304.41	-31.76	743.45	44.63	16.91	PASS	
5425.00†	5372.28	630.24	354.38	5366.11	5157.45	1357.56	312.49	-31.62	759.54	45.71	16.86	PASS	
5525.00†	5471.20	643.07	361.59	5464.79	5251.65	1385.84	320.57	-31.49	775.63	46.79	16.82	PASS	
5625.00†	5570.11	655.89	368.81	5563.47	5345.84	1414.13	328.64	-31.36	791.73	47.87	16.77	PASS	
5725.00†	5669.02	668.72	376.02	5662.15	5440.04	1442.42	336.72	-31.24	807.83	48.96	16.73	PASS	
5825.00†	5767.93	681.54	383.23	5760.83	5534.23	1470.71	344.80	-31.12	823.94	50.05	16.68	PASS	
5925.00†	5866.84	694.37	390.44	5859.51	5628.43	1498.99	352.87	-31.01	840.05	51.14	16.64	PASS	
6025.00†	5965.75	707.19	397.65	5958.19	5722.62	1527.28	360.95	-30.90	856.16	52.24	16.60	PASS	
6125.00†	6064.66	720.02	404.87	6056.87	5816.81	1555.57	369.03	-30.80	872.27	53.33	16.56	PASS	
6225.00†	6163.58	732.85	412.08	6155.55	5911.01	1583.86	377.10	-30.70	888.39	54.44	16.52	PASS	
6325.00†	6262.49	745.67	419.29	6254.23	6005.20	1612.14	385.18	-30.60	904.51	55.54	16.48	PASS	
6425.00†	6361.40	758.50	426.50	6352.92	6099.40	1640.43	393.26	-30.51	920.63	56.64	16.45	PASS	
6525.00†	6460.31	771.32	433.71	6451.60	6193.59	1668.72	401.33	-30.42	936.75	57.75	16.41	PASS	
6533.75	6468.97	772.45	434.34	6460.23	6201.83	1671.20	402.04	-30.41	938.17	57.85	16.41	PASS	
6625.00†	6558.44	784.11	447.41	6550.05	6287.57	1696.94	409.39	-58.79	952.93	58.91	16.36	PASS	
6725.00†	6653.23	796.63	476.37	6646.48	6379.62	1724.59	417.29	-69.99	969.26	60.22	16.28	PASS	
6825.00†	6742.33	808.56	519.92	6738.53	6467.47	1750.97	424.82	-75.53	986.27	61.55	16.20	PASS	

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	-45.80	97.83	-17.86
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1705.77	0.00	-45.80	97.83	-17.86
8.5in Open Hole	1750.00	15192.09	13442.09	1705.77	7135.00	97.83	-17.86	591.74	2545.61

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#04 EX. LEFFLER 3 (460'FNL & 1780'FEL, PR/CODL) Well: EX. LEFFLER 3 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-3.00	25.00	248.19	1831.99	82.29	1848.72	25.57	75.11	PASS	
125.00†	125.00	0.00	0.00	97.00	125.00	248.19	1831.99	82.29	1848.72	50.37	37.40	PASS	
225.00†	225.00	0.00	0.00	197.00	225.00	248.19	1831.99	82.29	1848.72	51.29	36.72	PASS	
300.00	300.00	0.00	0.00	272.00	300.00	248.19	1831.99	82.29	1848.72	52.51	35.84	PASS	
325.00†	325.00	0.10	0.05	297.00	325.00	248.19	1831.99	52.94	1848.66	52.93	35.56	PASS	
425.00†	424.96	2.38	1.34	396.96	424.96	248.19	1831.99	53.03	1847.08	55.18	34.05	PASS	
525.00†	524.77	7.70	4.33	496.77	524.77	248.19	1831.99	53.24	1843.41	57.92	32.35	PASS	
625.00†	624.30	16.05	9.03	596.30	624.30	248.19	1831.99	53.57	1837.68	61.02	30.58	PASS	
723.07	721.54	27.18	15.28	693.54	721.54	248.19	1831.99	54.01	1830.10	64.33	28.87	PASS	
725.00†	723.44	27.43	15.42	695.44	723.44	248.19	1831.99	54.02	1829.93	64.40	28.83	PASS	
825.00†	822.35	40.25	22.63	794.35	822.35	248.19	1831.99	54.39	1821.26	67.96	27.17	PASS	
925.00†	921.27	53.08	29.85	893.27	921.27	248.19	1831.99	54.77	1812.67	71.70	25.61	PASS	
1025.00†	1020.18	65.91	37.06	992.18	1020.18	248.19	1831.99	55.15	1804.16	75.57	24.17	PASS	
1125.00†	1119.09	78.73	44.27	1091.09	1119.09	248.19	1831.99	55.53	1795.73	79.55	22.84	PASS	
1225.00†	1218.00	91.56	51.48	1190.00	1218.00	248.19	1831.99	55.92	1787.38	83.62	21.61	PASS	
1325.00†	1316.91	104.38	58.69	1288.91	1316.91	248.19	1831.99	56.31	1779.11	87.76	20.49	PASS	
1425.00†	1415.82	117.21	65.91	1387.82	1415.82	248.19	1831.99	56.70	1770.93	91.96	19.45	PASS	
1525.00†	1514.73	130.03	73.12	1486.73	1514.73	248.19	1831.99	57.10	1762.83	96.22	18.50	PASS	
1625.00†	1613.65	142.86	80.33	1585.65	1613.65	248.19	1831.99	57.50	1754.82	100.52	17.62	PASS	
1725.00†	1712.56	155.69	87.54	1684.56	1712.56	248.19	1831.99	57.90	1746.89	104.87	16.80	PASS	
1825.00†	1811.47	168.51	94.75	1783.47	1811.47	248.19	1831.99	58.31	1739.06	108.92	16.06	PASS	
1925.00†	1910.38	181.34	101.97	1882.38	1910.38	248.19	1831.99	58.72	1731.31	113.19	15.39	PASS	
2025.00†	2009.29	194.16	109.18	1981.29	2009.29	248.19	1831.99	59.13	1723.66	117.49	14.75	PASS	
2125.00†	2108.20	206.99	116.39	2080.20	2108.20	248.19	1831.99	59.55	1716.09	121.81	14.16	PASS	
2225.00†	2207.12	219.81	123.60	2179.12	2207.12	248.19	1831.99	59.97	1708.62	126.16	13.61	PASS	
2325.00†	2306.03	232.64	130.81	2278.03	2306.03	248.19	1831.99	60.40	1701.24	130.54	13.10	PASS	
2425.00†	2404.94	245.47	138.02	2376.94	2404.94	248.19	1831.99	60.83	1693.96	134.93	12.62	PASS	
2525.00†	2503.85	258.29	145.24	2475.85	2503.85	248.19	1831.99	61.26	1686.78	139.35	12.16	PASS	
2625.00†	2602.76	271.12	152.45	2574.76	2602.76	248.19	1831.99	61.70	1679.69	143.79	11.73	PASS	
2725.00†	2701.67	283.94	159.66	2673.67	2701.67	248.19	1831.99	62.14	1672.71	148.24	11.33	PASS	
2825.00†	2800.58	296.77	166.87	2772.58	2800.58	248.19	1831.99	62.58	1665.82	152.72	10.95	PASS	
2925.00†	2899.50	309.59	174.08	2871.50	2899.50	248.19	1831.99	63.03	1659.04	157.21	10.60	PASS	
3025.00†	2998.41	322.42	181.30	2970.41	2998.41	248.19	1831.99	63.48	1652.36	161.71	10.26	PASS	
3125.00†	3097.32	335.25	188.51	3069.32	3097.32	248.19	1831.99	63.93	1645.78	166.23	9.94	PASS	
3225.00†	3196.23	348.07	195.72	3168.23	3196.23	248.19	1831.99	64.39	1639.31	170.77	9.64	PASS	
3325.00†	3295.14	360.90	202.93	3267.14	3295.14	248.19	1831.99	64.85	1632.95	175.32	9.35	PASS	
3425.00†	3394.05	373.72	210.14	3366.05	3394.05	248.19	1831.99	65.32	1626.69	179.88	9.07	PASS	
3525.00†	3492.97	386.55	217.36	3464.97	3492.97	248.19	1831.99	65.78	1620.55	184.46	8.82	PASS	
3625.00†	3591.88	399.38	224.57	3563.88	3591.88	248.19	1831.99	66.26	1614.51	189.05	8.57	PASS	
3725.00†	3690.79	412.20	231.78	3662.79	3690.79	248.19	1831.99	66.73	1608.59	193.65	8.33	PASS	
3825.00†	3789.70	425.03	238.99	3761.70	3789.70	248.19	1831.99	67.21	1602.78	198.27	8.11	PASS	
3925.00†	3888.61	437.85	246.20	3860.61	3888.61	248.19	1831.99	67.69	1597.08	202.89	7.90	PASS	
4025.00†	3987.52	450.68	253.42	3959.52	3987.52	248.19	1831.99	68.18	1591.50	207.53	7.69	PASS	
4125.00†	4086.43	463.50	260.63	4058.43	4086.43	248.19	1831.99	68.67	1586.04	212.18	7.50	PASS	
4225.00†	4185.35	476.33	267.84	4157.35	4185.35	248.19	1831.99	69.16	1580.70	216.83	7.31	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4256.26	4284.26	248.19	1831.99	69.65	1575.47	221.50	7.13	PASS	
4425.00†	4383.17	501.98	282.26	4355.17	4383.17	248.19	1831.99	70.15	1570.37	226.18	6.96	PASS	
4525.00†	4482.08	514.81	289.47	4454.08	4482.08	248.19	1831.99	70.65	1565.38	230.86	6.80	PASS	
4625.00†	4580.99	527.63	296.69	4552.99	4580.99	248.19	1831.99	71.16	1560.52	235.56	6.64	PASS	
4725.00†	4679.90	540.46	303.90	4651.90	4679.90	248.19	1831.99	71.67	1555.79	240.26	6.49	PASS	
4825.00†	4778.82	553.28	311.11	4750.82	4778.82	248.19	1831.99	72.18	1551.18	244.97	6.35	PASS	
4925.00†	4877.73	566.11	318.32	4849.73	4877.73	248.19	1831.99	72.69	1546.69	249.69	6.21	PASS	
5025.00†	4976.64	578.94	325.53	4948.64	4976.64	248.19	1831.99	73.21	1542.33	254.42	6.08	PASS	
5125.00†	5075.55	591.76	332.75	5047.55	5075.55	248.19	1831.99	73.73	1538.10	259.16	5.95	PASS	
5225.00†	5174.46	604.59	339.96	5146.46	5174.46	248.19	1831.99	74.25	1534.00	263.90	5.83	PASS	
5325.00†	5273.37	617.41	347.17	5245.37	5273.37	248.19	1831.99	74.78	1530.03	268.65	5.71	PASS	
5425.00†	5372.28	630.24	354.38	5344.28	5372.28	248.19	1831.99	75.30	1526.20	273.41	5.59	PASS	
5525.00†	5471.20	643.07	361.59	5443.20	5471.20	248.19	1831.99	75.83	1522.49	278.17	5.48	PASS	
5625.00†	5570.11	655.89	368.81	5542.11	5570.11	248.19	1831.99	76.36	1518.92	282.94	5.38	PASS	
5725.00†	5669.02	668.72	376.02	5641.02	5669.02	248.19	1831.99	76.90	1515.48	287.71	5.28	PASS	
5825.00†	5767.93	681.54	383.23	5739.93	5767.93	248.19	1831.99	77.44	1512.18	292.49	5.18	PASS	
5925.00†	5866.84	694.37	390.44	5838.84	5866.84	248.19	1831.99	77.98	1509.02	297.28	5.09	PASS	
6025.00†	5965.75	707.19	397.65	5937.75	5965.75	248.19	1831.99	78.52	1505.99	302.07	4.99	PASS	
6125.00†	6064.66	720.02	404.87	6036.66	6064.66	248.19	1831.99	79.06	1503.10	306.87	4.91	PASS	
6225.00†	6163.58	732.85	412.08	6135.58	6163.58	248.19	1831.99	79.61	1500.34	311.67	4.82	PASS	
6325.00†	6262.49	745.67	419.29	6234.49	6262.49	248.19	1831.99	80.16	1497.73	316.48	4.74	PASS	
6425.00†	6361.40	758.50	426.50	6333.40	6361.40	248.19	1831.99	80.71	1495.26	321.30	4.66	PASS	
6525.00†	6460.31	771.32	433.71	6432.31	6460.31	248.19	1831.99	81.26	1492.93	326.11	4.59	PASS	
6533.75	6468.97	772.45	434.34	6440.97	6468.97	248.19	1831.99	81.31	1492.73	326.53	4.58	PASS	
6625.00†	6558.44	784.11	447.41	6530.44	6558.44	248.19	1831.99	82.76	1484.67	331.10	4.49	PASS	
6725.00†	6653.23	796.63	476.37	6625.23	6653.23	248.19	1831.99	82.93	1462.36	336.60	4.35	PASS	
6825.00†	6742.33	808.56	519.92	6714.33	6742.33	248.19	1831.99	83.44	1426.72	341.76	4.18	PASS	
6925.00†	6823.57	819.61	577.00	6795.57	6823.57	248.19	1831.99	84.26	1378.96	346.43	3.99	PASS	
7025.00†	6894.93	829.52	646.20	6866.93	6894.93	248.19	1831.99	84.80	1320.62	350.60	3.77	PASS	
7125.00†	6954.67	838.03	725.81	6926.67	6954.67	248.19	1831.99	85.91	1253.61	354.24	3.54	PASS	
7225.00†	7001.30	844.93	813.89	6973.30	7001.30	248.19	1831.99	86.68	1180.10	357.37	3.31	PASS	
7325.00†	7033.68	850.07	908.25	7005.68	7033.68	248.19	1831.99	87.76	1102.52	360.00	3.07	PASS	
7425.00†	7051.02	853.30	1006.58	7023.02	7051.02	248.19	1831.99	88.85	1023.45	362.17	2.83	PASS	
7489.77	7054.00	854.34	1071.25	7026.00	7054.00	248.19	1831.99	90.31	972.70	363.35	2.68	PASS	
7525.00†	7053.85	854.68	1106.47	7025.85	7053.85	248.19	1831.99	90.29	945.62	363.97	2.60	PASS	
7625.00†	7053.41	855.64	1206.47	7025.41	7053.41	248.19	1831.99	90.25	871.94	366.11	2.38	PASS	
7725.00†	7052.97	856.60	1306.46	7024.97	7052.97	248.19	1831.99	90.21	803.96	368.87	2.18	PASS	
7825.00†	7052.54	857.56	1406.46	7024.54	7052.54	248.19	1831.99	90.17	743.24	372.30	2.00	PASS	
7925.00†	7052.10	858.52	1506.45	7024.10	7052.10	248.19	1831.99	90.13	691.72	376.34	1.84	PASS	
8025.00†	7051.66	859.48	1606.45	7023.66	7051.66	248.19	1831.99	90.09	651.57	380.74	1.71	PASS	
8125.00†	7051.23	860.44	1706.44	7023.23	7051.23	248.19	1831.99	90.05	624.99	385.06	1.62	PASS	
8225.00†	7050.79	861.40	1806.43	7022.79	7050.79	248.19	1831.99	90.01	613.75	388.75	1.58	PASS	
8243.59†	7050.71	861.58	1825.03	7023.44	7051.44	248.19	1831.99	90.07	613.43	389.36	1.58	PASS	
8270.07†	7050.60	861.84	1851.50	7022.60	7050.60	248.19	1831.99	89.99	613.96	390.07	1.58	PASS	
8325.00†	7050.36	862.36	1906.43	7022.36	7050.36	248.19	1831.99	89.97	618.67	391.30	1.58	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
8425.00†	7049.92	863.32	2006.42	7021.92	7049.92	248.19	1831.99	89.93	639.39	392.51	1.63	PASS	
8525.00†	7049.48	864.28	2106.42	7021.48	7049.48	248.19	1831.99	89.89	674.45	392.51	1.72	PASS	
8625.00†	7049.05	865.24	2206.41	7021.05	7049.05	248.19	1831.99	89.85	721.77	391.62	1.84	PASS	
8725.00†	7048.61	866.20	2306.41	7020.61	7048.61	248.19	1831.99	89.80	779.11	390.19	2.00	PASS	
8825.00†	7048.17	867.16	2406.40	7020.17	7048.17	248.19	1831.99	89.76	844.44	388.52	2.18	PASS	
8925.00†	7047.74	868.12	2506.40	7019.74	7047.74	248.19	1831.99	89.72	916.05	386.80	2.37	PASS	
9025.00†	7047.30	869.08	2606.39	7019.30	7047.30	248.19	1831.99	89.68	992.58	385.14	2.58	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	200.01	1.56	331.74	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-200.01	0.00	180.00	200.01	1.89	215.88	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-200.01	0.00	180.00	200.01	2.46	133.43	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-200.01	0.00	180.00	200.01	2.90	102.69	PASS	
325.00†	325.00	0.10	0.05	324.61	324.61	-200.03	-0.10	150.69	200.13	3.05	95.50	PASS	
425.00†	424.96	2.38	1.34	422.87	422.83	-200.60	-2.57	151.72	203.03	3.90	68.89	PASS	
525.00†	524.77	7.70	4.33	520.40	520.18	-201.92	-8.26	153.97	210.04	5.16	49.79	PASS	
625.00†	624.30	16.05	9.03	616.63	615.98	-203.95	-17.03	157.18	221.69	6.33	41.12	PASS	
723.07	721.54	27.18	15.28	709.22	707.83	-206.59	-28.43	160.89	238.21	7.47	36.46	PASS	
725.00†	723.44	27.43	15.42	711.02	709.61	-206.64	-28.68	160.97	238.59	7.50	36.36	PASS	
825.00†	822.35	40.25	22.63	805.62	803.07	-209.94	-42.94	165.02	259.36	8.26	35.41	PASS	
925.00†	921.27	53.08	29.85	901.71	897.95	-213.37	-57.76	168.59	281.45	8.99	34.95	PASS	
1025.00†	1020.18	65.91	37.06	997.81	992.84	-216.80	-72.58	171.65	304.45	9.70	34.73	PASS	
1125.00†	1119.09	78.73	44.27	1093.90	1087.72	-220.23	-87.40	174.28	328.17	10.40	34.67	PASS	
1225.00†	1218.00	91.56	51.48	1190.00	1182.60	-223.66	-102.22	176.56	352.47	11.03	34.92	PASS	
1325.00†	1316.91	104.38	58.69	1286.09	1277.48	-227.09	-117.04	178.54	377.24	11.73	34.94	PASS	
1425.00†	1415.82	117.21	65.91	1382.19	1372.37	-230.52	-131.86	-179.71	402.38	12.48	34.87	PASS	
1525.00†	1514.73	130.03	73.12	1478.28	1467.25	-233.94	-146.68	-178.17	427.84	13.17	34.97	PASS	
1625.00†	1613.65	142.86	80.33	1574.37	1562.13	-237.37	-161.50	-176.80	453.56	13.86	35.08	PASS	
1725.00†	1712.56	155.69	87.54	1670.47	1657.01	-240.80	-176.32	-175.58	479.49	14.56	35.19	PASS	
1825.00†	1811.47	168.51	94.75	1766.56	1751.90	-244.23	-191.15	-174.48	505.61	14.79	35.85	PASS	
1925.00†	1910.38	181.34	101.97	1862.66	1846.78	-247.66	-205.97	-173.49	531.89	14.97	37.24	PASS	
2025.00†	2009.29	194.16	109.18	1958.75	1941.66	-251.09	-220.79	-172.60	558.30	15.10	38.73	PASS	
2125.00†	2108.20	206.99	116.39	2054.85	2036.54	-254.52	-235.61	-171.78	584.83	15.31	39.99	PASS	
2225.00†	2207.12	219.81	123.60	2150.94	2131.43	-257.95	-250.43	-171.03	611.46	15.60	41.01	PASS	
2325.00†	2306.03	232.64	130.81	2247.03	2226.31	-261.37	-265.25	-170.35	638.18	15.96	41.81	PASS	
2425.00†	2404.94	245.47	138.02	2343.13	2321.19	-264.80	-280.07	-169.72	664.98	16.38	42.39	PASS	
2525.00†	2503.85	258.29	145.24	2439.22	2416.07	-268.23	-294.89	-169.14	691.84	16.86	42.79	PASS	
2625.00†	2602.76	271.12	152.45	2535.32	2510.96	-271.66	-309.71	-168.60	718.77	17.40	43.03	PASS	
2725.00†	2701.67	283.94	159.66	2631.41	2605.84	-275.09	-324.53	-168.10	745.75	17.98	43.13	PASS	
2825.00†	2800.58	296.77	166.87	2727.51	2700.72	-278.52	-339.35	-167.64	772.78	18.61	43.12	PASS	
2925.00†	2899.50	309.59	174.08	2823.60	2795.60	-281.95	-354.18	-167.20	799.86	19.28	43.02	PASS	
3025.00†	2998.41	322.42	181.30	2919.69	2890.49	-285.38	-369.00	-166.80	826.97	19.99	42.85	PASS	
3125.00†	3097.32	335.25	188.51	3015.79	2985.37	-288.81	-383.82	-166.42	854.13	20.73	42.63	PASS	
3225.00†	3196.23	348.07	195.72	3111.88	3080.25	-292.23	-398.64	-166.07	881.31	21.50	42.36	PASS	
3325.00†	3295.14	360.90	202.93	3207.98	3175.13	-295.66	-413.46	-165.73	908.52	22.29	42.07	PASS	
3425.00†	3394.05	373.72	210.14	3304.07	3270.02	-299.09	-428.28	-165.42	935.76	23.10	41.75	PASS	
3525.00†	3492.97	386.55	217.36	3400.17	3364.90	-302.52	-443.10	-165.12	963.03	23.94	41.42	PASS	
3625.00†	3591.88	399.38	224.57	3496.26	3459.78	-305.95	-457.92	-164.84	990.32	24.79	41.09	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	0.00	-135.22	-57.48
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1735.54	-121.93	0.00	-135.22	-57.48
8.5in Open Hole	1750.00	16548.66	14798.66	1735.54	N/A	-135.22	-57.48	N/A	N/A

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

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

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#01 EX. LEFFLER 1-27 (600'FNL & 600'FEL, PR/CODL) Well: EX. LEFFLER 1-27 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-13.00	25.00	136.07	2974.54	87.38	2977.65	25.57	120.99	PASS	
125.00†	125.00	0.00	0.00	87.00	125.00	136.07	2974.54	87.38	2977.65	50.35	60.27	PASS	
225.00†	225.00	0.00	0.00	187.00	225.00	136.07	2974.54	87.38	2977.65	51.20	59.26	PASS	
300.00	300.00	0.00	0.00	262.00	300.00	136.07	2974.54	87.38	2977.65	52.35	57.93	PASS	
325.00†	325.00	0.10	0.05	287.00	325.00	136.07	2974.54	58.04	2977.59	52.76	57.46	PASS	
425.00†	424.96	2.38	1.34	386.96	424.96	136.07	2974.54	58.10	2976.20	54.95	55.11	PASS	
525.00†	524.77	7.70	4.33	486.77	524.77	136.07	2974.54	58.26	2972.98	57.64	52.44	PASS	
625.00†	624.30	16.05	9.03	586.30	624.30	136.07	2974.54	58.50	2967.94	60.70	49.67	PASS	
723.07	721.54	27.18	15.28	683.54	721.54	136.07	2974.54	58.82	2961.26	63.98	46.98	PASS	
725.00†	723.44	27.43	15.42	685.44	723.44	136.07	2974.54	58.83	2961.11	64.04	46.93	PASS	
825.00†	822.35	40.25	22.63	784.35	822.35	136.07	2974.54	59.07	2953.46	67.59	44.31	PASS	
925.00†	921.27	53.08	29.85	883.27	921.27	136.07	2974.54	59.31	2945.86	71.31	41.86	PASS	
1025.00†	1020.18	65.91	37.06	982.18	1020.18	136.07	2974.54	59.56	2938.32	75.18	39.58	PASS	
1125.00†	1119.09	78.73	44.27	1081.09	1119.09	136.07	2974.54	59.80	2930.83	79.15	37.47	PASS	
1225.00†	1218.00	91.56	51.48	1180.00	1218.00	136.07	2974.54	60.05	2923.39	83.21	35.53	PASS	
1325.00†	1316.91	104.38	58.69	1278.91	1316.91	136.07	2974.54	60.30	2916.01	87.35	33.74	PASS	
1425.00†	1415.82	117.21	65.91	1377.82	1415.82	136.07	2974.54	60.55	2908.69	91.56	32.10	PASS	
1525.00†	1514.73	130.03	73.12	1476.73	1514.73	136.07	2974.54	60.80	2901.42	95.81	30.58	PASS	
1625.00†	1613.65	142.86	80.33	1575.65	1613.65	136.07	2974.54	61.05	2894.21	100.12	29.18	PASS	
1725.00†	1712.56	155.69	87.54	1674.56	1712.56	136.07	2974.54	61.31	2887.06	104.46	27.89	PASS	
1825.00†	1811.47	168.51	94.75	1773.47	1811.47	136.07	2974.54	61.56	2879.97	108.51	26.71	PASS	
1925.00†	1910.38	181.34	101.97	1872.38	1910.38	136.07	2974.54	61.82	2872.93	112.77	25.63	PASS	
2025.00†	2009.29	194.16	109.18	1971.29	2009.29	136.07	2974.54	62.07	2865.95	117.07	24.62	PASS	
2125.00†	2108.20	206.99	116.39	2070.20	2108.20	136.07	2974.54	62.33	2859.03	121.39	23.68	PASS	
2225.00†	2207.12	219.81	123.60	2169.12	2207.12	136.07	2974.54	62.59	2852.16	125.74	22.81	PASS	
2325.00†	2306.03	232.64	130.81	2268.03	2306.03	136.07	2974.54	62.85	2845.36	130.11	21.98	PASS	
2425.00†	2404.94	245.47	138.02	2366.94	2404.94	136.07	2974.54	63.11	2838.62	134.51	21.21	PASS	
2525.00†	2503.85	258.29	145.24	2465.85	2503.85	136.07	2974.54	63.38	2831.94	138.92	20.48	PASS	
2625.00†	2602.76	271.12	152.45	2564.76	2602.76	136.07	2974.54	63.64	2825.32	143.36	19.80	PASS	
2725.00†	2701.67	283.94	159.66	2663.67	2701.67	136.07	2974.54	63.91	2818.76	147.81	19.16	PASS	
2825.00†	2800.58	296.77	166.87	2762.58	2800.58	136.07	2974.54	64.17	2812.26	152.28	18.55	PASS	
2925.00†	2899.50	309.59	174.08	2861.50	2899.50	136.07	2974.54	64.44	2805.82	156.77	17.97	PASS	
3025.00†	2998.41	322.42	181.30	2960.41	2998.41	136.07	2974.54	64.71	2799.45	161.28	17.43	PASS	
3125.00†	3097.32	335.25	188.51	3059.32	3097.32	136.07	2974.54	64.98	2793.14	165.80	16.91	PASS	
3225.00†	3196.23	348.07	195.72	3158.23	3196.23	136.07	2974.54	65.25	2786.89	170.33	16.43	PASS	
3325.00†	3295.14	360.90	202.93	3257.14	3295.14	136.07	2974.54	65.53	2780.71	174.88	15.96	PASS	
3425.00†	3394.05	373.72	210.14	3356.05	3394.05	136.07	2974.54	65.80	2774.59	179.44	15.52	PASS	
3525.00†	3492.97	386.55	217.36	3454.97	3492.97	136.07	2974.54	66.08	2768.53	184.02	15.10	PASS	
3625.00†	3591.88	399.38	224.57	3553.88	3591.88	136.07	2974.54	66.35	2762.55	188.61	14.70	PASS	
3725.00†	3690.79	412.20	231.78	3652.79	3690.79	136.07	2974.54	66.63	2756.62	193.21	14.32	PASS	
3825.00†	3789.70	425.03	238.99	3751.70	3789.70	136.07	2974.54	66.91	2750.76	197.82	13.95	PASS	
3925.00†	3888.61	437.85	246.20	3850.61	3888.61	136.07	2974.54	67.19	2744.97	202.45	13.60	PASS	
4025.00†	3987.52	450.68	253.42	3949.52	3987.52	136.07	2974.54	67.47	2739.25	207.08	13.27	PASS	
4125.00†	4086.43	463.50	260.63	4048.43	4086.43	136.07	2974.54	67.75	2733.59	211.73	12.95	PASS	
4225.00†	4185.35	476.33	267.84	4147.35	4185.35	136.07	2974.54	68.04	2728.00	216.38	12.65	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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
4325.00†	4284.26	489.16	275.05	4246.26	4284.26	136.07	2974.54	68.32	2722.48	221.05	12.35	PASS
4425.00†	4383.17	501.98	282.26	4345.17	4383.17	136.07	2974.54	68.61	2717.03	225.72	12.07	PASS
4525.00†	4482.08	514.81	289.47	4444.08	4482.08	136.07	2974.54	68.89	2711.64	230.41	11.80	PASS
4625.00†	4580.99	527.63	296.69	4542.99	4580.99	136.07	2974.54	69.18	2706.33	235.10	11.54	PASS
4725.00†	4679.90	540.46	303.90	4641.90	4679.90	136.07	2974.54	69.47	2701.08	239.81	11.29	PASS
4825.00†	4778.82	553.28	311.11	4740.82	4778.82	136.07	2974.54	69.76	2695.91	244.52	11.05	PASS
4925.00†	4877.73	566.11	318.32	4839.73	4877.73	136.07	2974.54	70.05	2690.80	249.24	10.82	PASS
5025.00†	4976.64	578.94	325.53	4938.64	4976.64	136.07	2974.54	70.34	2685.77	253.96	10.60	PASS
5125.00†	5075.55	591.76	332.75	5037.55	5075.55	136.07	2974.54	70.64	2680.80	258.70	10.39	PASS
5225.00†	5174.46	604.59	339.96	5136.46	5174.46	136.07	2974.54	70.93	2675.91	263.44	10.18	PASS
5325.00†	5273.37	617.41	347.17	5235.37	5273.37	136.07	2974.54	71.22	2671.09	268.19	9.98	PASS
5425.00†	5372.28	630.24	354.38	5334.28	5372.28	136.07	2974.54	71.52	2666.35	272.94	9.79	PASS
5525.00†	5471.20	643.07	361.59	5433.20	5471.20	136.07	2974.54	71.82	2661.67	277.70	9.61	PASS
5625.00†	5570.11	655.89	368.81	5532.11	5570.11	136.07	2974.54	72.12	2657.07	282.47	9.43	PASS
5725.00†	5669.02	668.72	376.02	5631.02	5669.02	136.07	2974.54	72.42	2652.55	287.25	9.25	PASS
5825.00†	5767.93	681.54	383.23	5729.93	5767.93	136.07	2974.54	72.72	2648.10	292.03	9.09	PASS
5925.00†	5866.84	694.37	390.44	5828.84	5866.84	136.07	2974.54	73.02	2643.72	296.81	8.93	PASS
6025.00†	5965.75	707.19	397.65	5927.75	5965.75	136.07	2974.54	73.32	2639.41	301.61	8.77	PASS
6125.00†	6064.66	720.02	404.87	6026.66	6064.66	136.07	2974.54	73.62	2635.19	306.40	8.62	PASS
6225.00†	6163.58	732.85	412.08	6125.58	6163.58	136.07	2974.54	73.93	2631.03	311.21	8.47	PASS
6325.00†	6262.49	745.67	419.29	6224.49	6262.49	136.07	2974.54	74.23	2626.96	316.01	8.33	PASS
6425.00†	6361.40	758.50	426.50	6323.40	6361.40	136.07	2974.54	74.54	2622.96	320.83	8.19	PASS
6525.00†	6460.31	771.32	433.71	6422.31	6460.31	136.07	2974.54	74.85	2619.03	325.64	8.06	PASS
6533.75	6468.97	772.45	434.34	6430.97	6468.97	136.07	2974.54	74.87	2618.69	326.07	8.05	PASS
6625.00†	6558.44	784.11	447.41	6520.44	6558.44	136.07	2974.54	46.01	2608.89	330.63	7.91	PASS
6725.00†	6653.23	796.63	476.37	6615.23	6653.23	136.07	2974.54	35.58	2584.03	336.12	7.70	PASS
6825.00†	6742.33	808.56	519.92	6704.33	6742.33	136.07	2974.54	32.07	2545.07	341.28	7.47	PASS
6925.00†	6823.57	819.61	577.00	6785.57	6823.57	136.07	2974.54	31.72	2493.08	345.95	7.22	PASS
7025.00†	6894.93	829.52	646.20	6856.93	6894.93	136.07	2974.54	33.62	2429.41	350.06	6.95	PASS
7125.00†	6954.67	838.03	725.81	6916.67	6954.67	136.07	2974.54	37.92	2355.74	353.56	6.67	PASS
7225.00†	7001.30	844.93	813.89	6963.30	7001.30	136.07	2974.54	45.44	2273.96	356.40	6.39	PASS
7325.00†	7033.68	850.07	908.25	6995.68	7033.68	136.07	2974.54	57.70	2186.17	358.56	6.11	PASS
7425.00†	7051.02	853.30	1006.58	7013.02	7051.02	136.07	2974.54	76.13	2094.58	360.02	5.83	PASS
7489.77	7054.00	854.34	1071.25	7016.00	7054.00	136.07	2974.54	90.64	2034.31	360.60	5.65	PASS
7525.00†	7053.85	854.68	1106.47	7015.85	7053.85	136.07	2974.54	90.63	2001.52	360.84	5.56	PASS
7625.00†	7053.41	855.64	1206.47	7015.41	7053.41	136.07	2974.54	90.60	1908.89	361.63	5.29	PASS
7725.00†	7052.97	856.60	1306.46	7014.97	7052.97	136.07	2974.54	90.56	1817.04	362.60	5.02	PASS
7825.00†	7052.54	857.56	1406.46	7014.54	7052.54	136.07	2974.54	90.53	1726.10	363.79	4.75	PASS
7925.00†	7052.10	858.52	1506.45	7014.10	7052.10	136.07	2974.54	90.50	1636.22	365.25	4.49	PASS
8025.00†	7051.66	859.48	1606.45	7013.66	7051.66	136.07	2974.54	90.46	1547.58	367.01	4.22	PASS
8125.00†	7051.23	860.44	1706.44	7013.23	7051.23	136.07	2974.54	90.43	1460.41	369.14	3.96	PASS
8225.00†	7050.79	861.40	1806.43	7012.79	7050.79	136.07	2974.54	90.39	1374.98	371.70	3.70	PASS
8325.00†	7050.36	862.36	1906.43	7012.36	7050.36	136.07	2974.54	90.36	1291.65	374.76	3.45	PASS
8425.00†	7049.92	863.32	2006.42	7011.92	7049.92	136.07	2974.54	90.33	1210.84	378.38	3.20	PASS
8525.00†	7049.48	864.28	2106.42	7011.48	7049.48	136.07	2974.54	90.29	1133.10	382.65	2.96	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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
8625.00†	7049.05	865.24	2206.41	7011.05	7049.05	136.07	2974.54	90.26	1059.11	387.61	2.74	PASS
8725.00†	7048.61	866.20	2306.41	7010.61	7048.61	136.07	2974.54	90.22	989.69	393.31	2.52	PASS
8825.00†	7048.17	867.16	2406.40	7010.17	7048.17	136.07	2974.54	90.19	925.89	399.71	2.32	PASS
8925.00†	7047.74	868.12	2506.40	7009.74	7047.74	136.07	2974.54	90.16	868.94	406.70	2.14	PASS
9025.00†	7047.30	869.08	2606.39	7009.30	7047.30	136.07	2974.54	90.12	820.27	414.05	1.98	PASS
9125.00†	7046.86	870.04	2706.38	7008.86	7046.86	136.07	2974.54	90.09	781.42	421.34	1.86	PASS
9225.00†	7046.43	871.00	2806.38	7008.43	7046.43	136.07	2974.54	90.06	753.92	428.05	1.76	PASS
9325.00†	7045.99	871.96	2906.37	7007.99	7045.99	136.07	2974.54	90.02	739.04	433.55	1.71	PASS
9385.00†	7045.73	872.54	2966.37	7007.50	7045.50	136.07	2974.54	89.98	736.51	436.04	1.69	PASS
9425.00†	7045.56	872.92	3006.37	7007.56	7045.56	136.07	2974.54	89.99	737.54	437.34	1.69	PASS
9525.00†	7045.12	873.88	3106.36	7007.12	7045.12	136.07	2974.54	89.95	749.50	439.16	1.71	PASS
9625.00†	7044.68	874.84	3206.36	7006.68	7044.68	136.07	2974.54	89.92	774.29	439.10	1.76	PASS
9725.00†	7044.25	875.80	3306.35	7006.25	7044.25	136.07	2974.54	89.89	810.74	437.48	1.85	PASS
9825.00†	7043.81	876.76	3406.35	7005.81	7043.81	136.07	2974.54	89.85	857.37	434.75	1.97	PASS
9925.00†	7043.37	877.72	3506.34	7005.37	7043.37	136.07	2974.54	89.82	912.61	431.35	2.12	PASS
10025.00†	7042.94	878.68	3606.33	7004.94	7042.94	136.07	2974.54	89.78	975.01	427.65	2.28	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

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-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	97.16	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	0.00	-90.15	-90.00	90.15	2.45	60.10	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	0.00	-90.15	-90.00	90.15	2.89	46.22	PASS	
325.00†	325.00	0.10	0.05	325.20	325.20	0.11	-90.13	-119.34	90.18	3.04	42.93	PASS	
425.00†	424.96	2.38	1.34	426.01	425.97	2.68	-89.44	-119.16	90.79	3.74	32.30	PASS	
525.00†	524.77	7.70	4.33	526.81	526.57	8.67	-87.85	-118.75	92.20	4.63	24.86	PASS	
625.00†	624.30	16.05	9.03	627.57	626.86	18.08	-85.35	-118.12	94.43	5.49	20.66	PASS	
723.07	721.54	27.18	15.28	726.36	724.78	30.61	-82.03	-117.33	97.42	6.37	17.85	PASS	
725.00†	723.44	27.43	15.42	728.30	726.70	30.89	-81.95	-117.31	97.49	6.39	17.80	PASS	
825.00†	822.35	40.25	22.63	828.93	825.93	47.06	-77.66	-115.50	100.58	7.24	15.88	PASS	
925.00†	921.27	53.08	29.85	929.28	924.23	66.53	-72.48	-111.87	103.25	8.20	14.14	PASS	
1025.00†	1020.18	65.91	37.06	1029.08	1021.24	89.18	-66.47	-106.59	106.12	9.30	12.61	PASS	
1125.00†	1119.09	78.73	44.27	1128.12	1116.63	114.88	-59.64	-99.88	110.05	10.60	11.32	PASS	
1225.00†	1218.00	91.56	51.48	1226.16	1210.11	143.44	-52.06	-92.13	116.08	12.03	10.40	PASS	
1325.00†	1316.91	104.38	58.69	1323.46	1301.88	174.67	-43.76	-83.94	125.15	13.51	9.90	PASS	
1425.00†	1415.82	117.21	65.91	1421.33	1393.94	206.79	-35.23	-76.61	136.87	14.88	9.77	PASS	
1525.00†	1514.73	130.03	73.12	1519.20	1485.99	238.91	-26.70	-70.50	150.48	16.11	9.87	PASS	
1625.00†	1613.65	142.86	80.33	1617.07	1578.05	271.03	-18.17	-65.42	165.52	17.23	10.12	PASS	
1725.00†	1712.56	155.69	87.54	1714.95	1670.11	303.15	-9.63	-61.21	181.64	18.26	10.44	PASS	
1825.00†	1811.47	168.51	94.75	1812.82	1762.16	335.28	-1.10	-57.68	198.57	18.41	11.18	PASS	
1925.00†	1910.38	181.34	101.97	1910.69	1854.22	367.40	7.43	-54.71	216.12	18.31	12.24	PASS	
2025.00†	2009.29	194.16	109.18	2008.56	1946.28	399.52	15.96	-52.19	234.16	18.27	13.29	PASS	
2125.00†	2108.20	206.99	116.39	2106.43	2038.33	431.64	24.49	-50.03	252.58	18.34	14.28	PASS	
2225.00†	2207.12	219.81	123.60	2204.31	2130.39	463.76	33.03	-48.17	271.30	18.51	15.20	PASS	
2325.00†	2306.03	232.64	130.81	2302.18	2222.44	495.88	41.56	-46.54	290.26	18.78	16.02	PASS	
2425.00†	2404.94	245.47	138.02	2400.05	2314.50	528.01	50.09	-45.11	309.42	19.13	16.76	PASS	
2525.00†	2503.85	258.29	145.24	2497.92	2406.56	560.13	58.62	-43.85	328.74	19.56	17.40	PASS	
2625.00†	2602.76	271.12	152.45	2595.79	2498.61	592.25	67.15	-42.73	348.21	20.06	17.96	PASS	
2725.00†	2701.67	283.94	159.66	2693.67	2590.67	624.37	75.69	-41.73	367.78	20.63	18.43	PASS	
2825.00†	2800.58	296.77	166.87	2791.54	2682.73	656.49	84.22	-40.83	387.46	21.25	18.82	PASS	
2925.00†	2899.50	309.59	174.08	2889.41	2774.78	688.61	92.75	-40.02	407.22	21.93	19.16	PASS	
3025.00†	2998.41	322.42	181.30	2987.28	2866.84	720.74	101.28	-39.28	427.05	22.65	19.43	PASS	
3125.00†	3097.32	335.25	188.51	3085.15	2958.89	752.86	109.81	-38.60	446.94	23.42	19.65	PASS	
3225.00†	3196.23	348.07	195.72	3183.03	3050.95	784.98	118.34	-37.99	466.88	24.22	19.83	PASS	
3325.00†	3295.14	360.90	202.93	3280.90	3143.01	817.10	126.88	-37.42	486.88	25.05	19.97	PASS	
3425.00†	3394.05	373.72	210.14	3378.77	3235.06	849.22	135.41	-36.90	506.91	25.91	20.08	PASS	
3525.00†	3492.97	386.55	217.36	3476.64	3327.12	881.34	143.94	-36.42	526.99	26.80	20.17	PASS	
3625.00†	3591.88	399.38	224.57	3574.51	3419.17	913.47	152.47	-35.98	547.09	27.71	20.23	PASS	
3725.00†	3690.79	412.20	231.78	3672.39	3511.23	945.59	161.00	-35.56	567.23	28.64	20.28	PASS	
3825.00†	3789.70	425.03	238.99	3770.26	3603.29	977.71	169.54	-35.17	587.39	29.59	20.31	PASS	
3925.00†	3888.61	437.85	246.20	3868.13	3695.34	1009.83	178.07	-34.82	607.58	30.56	20.33	PASS	
4025.00†	3987.52	450.68	253.42	3966.00	3787.40	1041.95	186.60	-34.48	627.79	31.54	20.34	PASS	
4125.00†	4086.43	463.50	260.63	4063.87	3879.46	1074.07	195.13	-34.16	648.02	32.54	20.34	PASS	
4225.00†	4185.35	476.33	267.84	4161.75	3971.51	1106.19	203.66	-33.86	668.26	33.55	20.33	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4259.62	4063.57	1138.32	212.20	-33.58	688.52	34.57	20.31	PASS	
4425.00†	4383.17	501.98	282.26	4357.49	4155.62	1170.44	220.73	-33.32	708.80	35.60	20.30	PASS	
4525.00†	4482.08	514.81	289.47	4455.36	4247.68	1202.56	229.26	-33.07	729.09	36.63	20.28	PASS	
4625.00†	4580.99	527.63	296.69	4553.23	4339.74	1234.68	237.79	-32.84	749.39	37.68	20.25	PASS	
4725.00†	4679.90	540.46	303.90	4651.11	4431.79	1266.80	246.32	-32.61	769.71	38.73	20.22	PASS	
4825.00†	4778.82	553.28	311.11	4748.98	4523.85	1298.92	254.85	-32.40	790.03	39.80	20.19	PASS	
4925.00†	4877.73	566.11	318.32	4846.85	4615.91	1331.05	263.39	-32.20	810.37	40.86	20.16	PASS	
5025.00†	4976.64	578.94	325.53	4944.72	4707.96	1363.17	271.92	-32.01	830.71	41.94	20.13	PASS	
5125.00†	5075.55	591.76	332.75	5042.58	4800.02	1395.29	280.45	-31.83	851.06	43.02	20.10	PASS	
5225.00†	5174.46	604.59	339.96	5140.47	4892.07	1427.41	288.98	-31.65	871.42	44.10	20.07	PASS	
5325.00†	5273.37	617.41	347.17	5238.34	4984.13	1459.53	297.51	-31.49	891.79	45.19	20.03	PASS	
5425.00†	5372.28	630.24	354.38	5336.21	5076.19	1491.65	306.05	-31.33	912.17	46.28	20.00	PASS	
5525.00†	5471.20	643.07	361.59	5434.08	5168.24	1523.78	314.58	-31.18	932.55	47.38	19.97	PASS	
5625.00†	5570.11	655.89	368.81	5531.95	5260.30	1555.90	323.11	-31.03	952.93	48.48	19.93	PASS	
5725.00†	5669.02	668.72	376.02	5629.83	5352.36	1588.02	331.64	-30.89	973.33	49.58	19.90	PASS	
5825.00†	5767.93	681.54	383.23	5727.70	5444.41	1620.14	340.17	-30.76	993.72	50.69	19.87	PASS	

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	-54.96	95.91	-29.48
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1703.08	0.00	-54.96	95.91	-29.48
8.5in Open Hole	1750.00	15154.09	13404.09	1703.08	7021.00	95.91	-29.48	659.03	2541.01

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

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

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	220.05	1.56	365.14	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-220.05	0.00	180.00	220.05	1.89	237.39	PASS	
225.00†	225.00	0.00	0.00	224.26	224.26	-220.09	-0.09	-179.98	220.09	2.45	147.53	PASS	
300.00	300.00	0.00	0.00	297.02	297.00	-220.70	-1.51	-179.61	220.72	2.94	111.34	PASS	
325.00†	325.00	0.10	0.05	321.24	321.20	-221.06	-2.36	151.27	221.20	3.10	102.91	PASS	
425.00†	424.96	2.38	1.34	417.75	417.54	-223.32	-7.60	152.86	225.99	4.13	70.98	PASS	
525.00†	524.77	7.70	4.33	513.19	512.57	-226.81	-15.71	155.37	235.68	5.53	51.40	PASS	
625.00†	624.30	16.05	9.03	607.00	605.64	-231.46	-26.51	158.52	250.74	6.80	42.78	PASS	
723.07	721.54	27.18	15.28	698.57	696.08	-237.09	-39.59	161.95	271.10	7.93	38.78	PASS	
725.00†	723.44	27.43	15.42	700.41	697.90	-237.21	-39.86	162.02	271.55	7.96	38.69	PASS	
825.00†	822.35	40.25	22.63	796.12	792.34	-243.34	-54.12	165.43	295.33	8.64	38.32	PASS	
925.00†	921.27	53.08	29.85	891.82	886.78	-249.48	-68.37	168.33	319.96	9.32	38.19	PASS	
1025.00†	1020.18	65.91	37.06	987.53	981.22	-255.61	-82.62	170.82	345.28	9.98	38.20	PASS	
1125.00†	1119.09	78.73	44.27	1083.24	1075.66	-261.75	-96.88	172.97	371.13	10.65	38.20	PASS	
1225.00†	1218.00	91.56	51.48	1178.94	1170.10	-267.89	-111.13	174.85	397.41	11.23	38.61	PASS	
1325.00†	1316.91	104.38	58.69	1274.65	1264.54	-274.02	-125.39	176.49	424.05	11.94	38.56	PASS	
1425.00†	1415.82	117.21	65.91	1370.35	1358.98	-280.16	-139.64	177.94	450.98	12.59	38.70	PASS	
1525.00†	1514.73	130.03	73.12	1466.06	1453.42	-286.29	-153.90	179.23	478.15	13.25	38.84	PASS	
1625.00†	1613.65	142.86	80.33	1561.77	1547.86	-292.43	-168.15	-179.62	505.52	13.91	38.97	PASS	
1725.00†	1712.56	155.69	87.54	1657.47	1642.30	-298.57	-182.40	-178.58	533.06	14.57	39.09	PASS	
1825.00†	1811.47	168.51	94.75	1753.18	1736.74	-304.70	-196.66	-177.65	560.75	14.81	39.72	PASS	
1925.00†	1910.38	181.34	101.97	1848.88	1831.18	-310.84	-210.91	-176.81	588.56	15.00	41.13	PASS	
2025.00†	2009.29	194.16	109.18	1944.59	1925.62	-316.97	-225.17	-176.04	616.48	15.12	42.72	PASS	
2125.00†	2108.20	206.99	116.39	2040.30	2020.06	-323.11	-239.42	-175.33	644.50	15.32	44.06	PASS	
2225.00†	2207.12	219.81	123.60	2136.00	2114.50	-329.25	-253.68	-174.69	672.60	15.60	45.13	PASS	
2325.00†	2306.03	232.64	130.81	2231.71	2208.94	-335.38	-267.93	-174.10	700.77	15.94	45.95	PASS	
2425.00†	2404.94	245.47	138.02	2327.41	2303.37	-341.52	-282.19	-173.55	729.00	16.35	46.55	PASS	
2525.00†	2503.85	258.29	145.24	2423.12	2397.81	-347.66	-296.44	-173.04	757.29	16.83	46.94	PASS	
2625.00†	2602.76	271.12	152.45	2518.83	2492.25	-353.79	-310.69	-172.57	785.64	17.35	47.16	PASS	
2725.00†	2701.67	283.94	159.66	2614.53	2586.69	-359.93	-324.95	-172.13	814.02	17.93	47.23	PASS	
2825.00†	2800.58	296.77	166.87	2710.24	2681.13	-366.06	-339.20	-171.72	842.45	18.55	47.17	PASS	
2925.00†	2899.50	309.59	174.08	2805.95	2775.57	-372.20	-353.46	-171.34	870.92	19.22	47.02	PASS	
3025.00†	2998.41	322.42	181.30	2901.65	2870.01	-378.34	-367.71	-170.99	899.42	19.91	46.80	PASS	
3125.00†	3097.32	335.25	188.51	2997.36	2964.45	-384.47	-381.97	-170.65	927.95	20.64	46.51	PASS	
3225.00†	3196.23	348.07	195.72	3093.06	3058.89	-390.61	-396.22	-170.33	956.51	21.40	46.18	PASS	
3325.00†	3295.14	360.90	202.93	3188.77	3153.33	-396.74	-410.47	-170.04	985.09	22.19	45.83	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	0.00	-159.88	-59.80
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1733.60	-134.14	0.00	-159.88	-59.80
8.5in Open Hole	1750.00	16664.32	14914.32	1733.60	7158.00	-159.88	-59.80	-275.24	2681.25

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41C-26-L PWB
1750.00	16664.32	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41C-26-L PWB

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2026.90	5515.66	69.82	5876.29	50.19	119.35	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14334.09	6985.95	1748.19	-47.19	-1.55	7177.28	134.13	53.87	PASS	
125.00†	125.00	0.00	0.00	14334.44	6985.96	1748.20	-46.83	-1.54	7080.33	135.41	52.64	PASS	
225.00†	225.00	0.00	0.00	14334.80	6985.96	1748.20	-46.47	-1.52	6983.47	136.22	51.60	PASS	
300.00	300.00	0.00	0.00	14335.08	6985.96	1748.20	-46.20	-1.51	6910.89	136.85	50.83	PASS	
325.00†	325.00	0.10	0.05	14335.20	6985.96	1748.20	-46.07	-31.87	6886.68	137.07	50.57	PASS	
425.00†	424.96	2.38	1.34	14336.42	6985.97	1748.21	-44.85	-36.48	6789.47	137.89	49.56	PASS	
525.00†	524.77	7.70	4.33	14338.79	6985.98	1748.22	-42.49	-42.29	6691.70	138.66	48.57	PASS	
625.00†	624.30	16.05	9.03	14342.32	6986.00	1748.24	-38.95	-49.66	6593.48	139.37	47.61	PASS	
723.07	721.54	27.18	15.28	14346.93	6986.03	1748.26	-34.34	-58.76	6496.81	140.01	46.70	PASS	
725.00†	723.44	27.43	15.42	14347.03	6986.03	1748.26	-34.24	-58.75	6494.90	140.02	46.68	PASS	
825.00†	822.35	40.25	22.63	14352.34	6986.07	1748.29	-28.94	-58.50	6396.20	140.64	45.77	PASS	
925.00†	921.27	53.08	29.85	14357.70	6986.10	1748.32	-23.58	-58.24	6297.54	141.29	44.86	PASS	
1025.00†	1020.18	65.91	37.06	14363.12	6986.14	1748.35	-18.16	-57.97	6198.91	141.95	43.95	PASS	
1125.00†	1119.09	78.73	44.27	14368.59	6986.19	1748.39	-12.69	-57.71	6100.31	142.65	43.04	PASS	
1225.00†	1218.00	91.56	51.48	14374.11	6986.23	1748.42	-7.16	-57.44	6001.76	143.37	42.13	PASS	
1325.00†	1316.91	104.38	58.69	14379.69	6986.28	1748.45	-1.58	-57.16	5903.25	144.11	41.22	PASS	
1425.00†	1415.82	117.21	65.91	14385.33	6986.33	1748.49	4.06	-56.88	5804.78	144.88	40.31	PASS	
1525.00†	1514.73	130.03	73.12	14391.03	6986.38	1748.53	9.76	-56.60	5706.35	145.69	39.41	PASS	
1625.00†	1613.65	142.86	80.33	14396.79	6986.44	1748.57	15.51	-56.31	5607.98	146.52	38.51	PASS	
1725.00†	1712.56	155.69	87.54	14402.61	6986.50	1748.61	21.33	-56.01	5509.65	147.39	37.61	PASS	
1825.00†	1811.47	168.51	94.75	14408.76	6986.57	1748.65	27.48	-55.70	5411.38	148.09	36.71	PASS	
1925.00†	1910.38	181.34	101.97	14417.91	6986.66	1748.72	36.63	-55.24	5313.15	149.07	35.81	PASS	
2025.00†	2009.29	194.16	109.18	14426.99	6986.75	1748.80	45.71	-54.77	5214.98	150.09	34.91	PASS	
2125.00†	2108.20	206.99	116.39	14436.00	6986.84	1748.89	54.72	-54.30	5116.87	151.15	34.01	PASS	
2225.00†	2207.12	219.81	123.60	14444.94	6986.92	1748.98	63.66	-53.84	5018.82	152.24	33.11	PASS	
2325.00†	2306.03	232.64	130.81	14453.82	6987.00	1749.08	72.53	-53.37	4920.83	153.39	32.23	PASS	
2425.00†	2404.94	245.47	138.02	14462.63	6987.08	1749.19	81.34	-52.90	4822.90	154.58	31.34	PASS	
2525.00†	2503.85	258.29	145.24	14471.37	6987.15	1749.31	90.08	-52.43	4725.05	155.82	30.46	PASS	
2625.00†	2602.76	271.12	152.45	14480.05	6987.21	1749.43	98.76	-51.97	4627.28	157.11	29.58	PASS	
2725.00†	2701.67	283.94	159.66	14488.66	6987.27	1749.56	107.37	-51.50	4529.58	158.46	28.71	PASS	
2825.00†	2800.58	296.77	166.87	14497.21	6987.33	1749.69	115.92	-51.03	4431.98	159.87	27.84	PASS	
2925.00†	2899.50	309.59	174.08	14505.06	6987.38	1749.82	123.77	-50.60	4334.47	161.33	26.98	PASS	
3025.00†	2998.41	322.42	181.30	14512.89	6987.44	1749.94	131.60	-50.17	4237.05	162.86	26.13	PASS	
3125.00†	3097.32	335.25	188.51	14520.79	6987.50	1750.04	139.50	-49.73	4139.75	164.47	25.28	PASS	
3225.00†	3196.23	348.07	195.72	14528.75	6987.56	1750.14	147.46	-49.29	4042.56	166.15	24.43	PASS	
3325.00†	3295.14	360.90	202.93	14536.78	6987.63	1750.23	155.48	-48.84	3945.50	167.92	23.59	PASS	
3425.00†	3394.05	373.72	210.14	14544.87	6987.70	1750.32	163.57	-48.38	3848.57	169.79	22.76	PASS	
3525.00†	3492.97	386.55	217.36	14553.03	6987.78	1750.39	171.73	-47.92	3751.78	171.74	21.93	PASS	
3625.00†	3591.88	399.38	224.57	14561.25	6987.86	1750.45	179.95	-47.45	3655.15	173.81	21.11	PASS	
3725.00†	3690.79	412.20	231.78	14569.54	6987.95	1750.51	188.25	-46.98	3558.69	175.99	20.30	PASS	
3825.00†	3789.70	425.03	238.99	14577.90	6988.04	1750.55	196.61	-46.50	3462.40	178.29	19.49	PASS	
3925.00†	3888.61	437.85	246.20	14586.33	6988.14	1750.58	205.04	-46.01	3366.31	180.72	18.70	PASS	
4025.00†	3987.52	450.68	253.42	14597.72	6988.27	1750.63	216.42	-45.35	3270.43	183.35	17.90	PASS	
4125.00†	4086.43	463.50	260.63	14609.03	6988.38	1750.67	227.73	-44.69	3174.78	186.14	17.12	PASS	
4225.00†	4185.35	476.33	267.84	14620.02	6988.48	1750.73	238.72	-44.04	3079.37	189.09	16.34	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#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†	4284.26	489.16	275.05	14630.69	6988.56	1750.78	249.39	-43.41	2984.23	192.23	15.58	PASS	
4425.00†	4383.17	501.98	282.26	14641.07	6988.62	1750.85	259.77	-42.79	2889.39	195.56	14.83	PASS	
4525.00†	4482.08	514.81	289.47	14651.16	6988.67	1750.91	269.86	-42.19	2794.88	199.10	14.08	PASS	
4625.00†	4580.99	527.63	296.69	14660.97	6988.71	1750.98	279.67	-41.59	2700.74	202.88	13.35	PASS	
4725.00†	4679.90	540.46	303.90	14670.52	6988.74	1751.06	289.22	-41.02	2607.01	206.92	12.64	PASS	
4825.00†	4778.82	553.28	311.11	14679.34	6988.75	1751.13	298.03	-40.48	2513.73	211.24	11.94	PASS	
4925.00†	4877.73	566.11	318.32	14687.44	6988.77	1751.18	306.13	-39.99	2420.96	215.86	11.25	PASS	
5025.00†	4976.64	578.94	325.53	14695.60	6988.79	1751.23	314.29	-39.49	2328.77	220.83	10.58	PASS	
5125.00†	5075.55	591.76	332.75	14703.81	6988.81	1751.27	322.51	-38.99	2237.22	226.17	9.92	PASS	
5225.00†	5174.46	604.59	339.96	14712.09	6988.84	1751.29	330.79	-38.48	2146.39	231.94	9.28	PASS	
5325.00†	5273.37	617.41	347.17	14720.43	6988.87	1751.31	339.12	-37.96	2056.38	238.18	8.66	PASS	
5425.00†	5372.28	630.24	354.38	14728.82	6988.91	1751.31	347.52	-37.44	1967.31	244.92	8.05	PASS	
5525.00†	5471.20	643.07	361.59	14737.28	6988.95	1751.30	355.98	-36.92	1879.31	252.22	7.47	PASS	
5625.00†	5570.11	655.89	368.81	14745.80	6988.99	1751.28	364.50	-36.39	1792.52	260.13	6.91	PASS	
5725.00†	5669.02	668.72	376.02	14754.39	6989.04	1751.25	373.08	-35.86	1707.14	268.70	6.37	PASS	
5825.00†	5767.93	681.54	383.23	14763.03	6989.09	1751.21	381.73	-35.32	1623.40	277.99	5.85	PASS	
5925.00†	5866.84	694.37	390.44	14771.38	6989.14	1751.15	390.08	-34.80	1541.54	288.03	5.36	PASS	
6025.00†	5965.75	707.19	397.65	14779.55	6989.20	1751.10	398.25	-34.28	1461.91	298.85	4.90	PASS	
6125.00†	6064.66	720.02	404.87	14787.73	6989.25	1751.04	406.42	-33.77	1384.87	310.47	4.47	PASS	
6225.00†	6163.58	732.85	412.08	14795.91	6989.31	1750.98	414.61	-33.26	1310.89	322.85	4.07	PASS	
6325.00†	6262.49	745.67	419.29	14804.10	6989.36	1750.91	422.80	-32.74	1240.51	335.92	3.70	PASS	
6425.00†	6361.40	758.50	426.50	14812.30	6989.42	1750.84	431.00	-32.23	1174.38	349.49	3.37	PASS	
6525.00†	6460.31	771.32	433.71	14820.51	6989.48	1750.76	439.20	-31.71	1113.26	363.26	3.07	PASS	
6533.75	6468.97	772.45	434.34	14821.23	6989.48	1750.75	439.92	-31.66	1108.18	364.46	3.04	PASS	
6625.00†	6558.44	784.11	447.41	14835.55	6989.59	1750.61	454.25	-65.53	1058.33	377.00	2.81	PASS	
6725.00†	6653.23	796.63	476.37	14864.27	6989.80	1750.30	482.96	-80.07	1011.35	390.23	2.59	PASS	
6825.00†	6742.33	808.56	519.92	14900.53	6990.12	1750.09	519.22	-86.86	973.59	401.88	2.43	PASS	
6925.00†	6823.57	819.61	577.00	14948.40	6990.64	1750.26	567.08	-89.88	945.57	411.65	2.30	PASS	
7025.00†	6894.93	829.52	646.20	15008.21	6991.44	1751.09	626.88	-90.67	926.81	419.61	2.21	PASS	
7125.00†	6954.67	838.03	725.81	15075.62	6992.40	1752.86	694.26	-90.25	916.15	426.04	2.15	PASS	
7225.00†	7001.30	844.93	813.89	15164.50	6992.99	1756.39	783.07	-88.79	912.02	432.39	2.11	PASS	
7298.75†	7026.61	848.90	883.00	15230.00	6993.37	1758.07	848.55	-87.81	910.43	436.77	2.09	PASS	
7311.05†	7030.05	849.46	894.80	15230.00	6993.37	1758.07	848.55	-87.85	910.52	436.90	2.09	PASS	
7325.00†	7033.68	850.07	908.25	15230.00	6993.37	1758.07	848.55	-87.86	910.86	436.96	2.09	PASS	
7425.00†	7051.02	853.30	1006.58	15230.00	6993.37	1758.07	848.55	-87.22	920.27	434.99	2.12	PASS	
7489.77	7054.00	854.34	1071.25	15230.00	6993.37	1758.07	848.55	-86.11	932.73	431.57	2.16	PASS	
7525.00†	7053.85	854.68	1106.47	15230.00	6993.37	1758.07	848.55	-86.11	941.43	429.06	2.20	PASS	
7625.00†	7053.41	855.64	1206.47	15230.00	6993.37	1758.07	848.55	-86.11	972.67	419.79	2.32	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	740.08	-4982.69	750.96	-4970.46
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1744.26	740.08	-4982.69	751.30	-4970.03
8.5in Open Hole	1750.00	15230.00	13480.00	1732.40	6993.37	750.96	-4970.46	905.40	-2232.59

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W		Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27)		Well: TROUDT 1C-23-M		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	25.00	25.00	0.00	-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
225.00†	225.00	0.00	0.00	225.22	225.22	0.11	-105.15	-89.94	105.15	2.44	70.47	PASS
300.00	300.00	0.00	0.00	300.85	300.83	1.72	-104.75	-89.06	104.77	2.91	53.46	PASS
325.00†	325.00	0.10	0.05	326.03	325.99	2.69	-104.52	-117.93	104.61	3.06	49.47	PASS
379.16†	379.15	0.95	0.54	380.60	380.48	5.52	-103.81	-116.85	104.46	3.45	41.56	PASS
425.00†	424.96	2.38	1.34	426.70	426.46	8.70	-103.03	-115.89	104.57	3.78	36.77	PASS
525.00†	524.77	7.70	4.33	527.21	526.50	18.12	-100.70	-113.68	105.56	4.60	28.73	PASS
625.00†	624.30	16.05	9.03	627.57	625.98	30.92	-97.54	-111.38	107.61	5.44	23.84	PASS
723.07	721.54	27.18	15.28	725.82	722.87	46.71	-93.63	-109.08	110.66	6.35	20.37	PASS
725.00†	723.44	27.43	15.42	727.75	724.77	47.06	-93.54	-109.04	110.73	6.37	20.30	PASS
825.00†	822.35	40.25	22.63	827.65	822.64	66.48	-88.74	-105.95	114.42	7.37	17.70	PASS
925.00†	921.27	53.08	29.85	927.02	919.24	89.07	-83.15	-101.42	118.61	8.54	15.53	PASS
1025.00†	1020.18	65.91	37.06	1025.62	1014.24	114.70	-76.82	-95.69	124.03	9.86	13.83	PASS
1125.00†	1119.09	78.73	44.27	1123.24	1107.34	143.17	-69.78	-89.13	131.52	11.30	12.63	PASS
1225.00†	1218.00	91.56	51.48	1219.66	1198.27	174.31	-62.08	-82.17	141.89	12.78	11.92	PASS
1325.00†	1316.91	104.38	58.69	1316.46	1288.69	207.86	-53.78	-75.37	155.42	14.18	11.69	PASS
1425.00†	1415.82	117.21	65.91	1413.88	1379.62	241.78	-45.39	-69.60	170.93	15.44	11.74	PASS
1525.00†	1514.73	130.03	73.12	1511.29	1470.55	275.70	-37.00	-64.82	187.88	16.59	11.96	PASS
1625.00†	1613.65	142.86	80.33	1608.71	1561.48	309.63	-28.62	-60.83	205.92	17.65	12.28	PASS
1725.00†	1712.56	155.69	87.54	1706.12	1652.42	343.55	-20.23	-57.49	224.78	18.64	12.66	PASS
1825.00†	1811.47	168.51	94.75	1803.54	1743.35	377.47	-11.84	-54.66	244.27	18.82	13.45	PASS
1925.00†	1910.38	181.34	101.97	1900.96	1834.28	411.40	-3.45	-52.25	264.26	18.75	14.61	PASS
2025.00†	2009.29	194.16	109.18	1998.37	1925.21	445.32	4.94	-50.18	284.63	18.71	15.77	PASS
2125.00†	2108.20	206.99	116.39	2095.79	2016.14	479.24	13.33	-48.39	305.32	18.78	16.86	PASS
2225.00†	2207.12	219.81	123.60	2193.20	2107.08	513.17	21.72	-46.82	326.26	18.95	17.85	PASS
2325.00†	2306.03	232.64	130.81	2290.62	2198.01	547.09	30.10	-45.45	347.40	19.20	18.75	PASS
2425.00†	2404.94	245.47	138.02	2388.03	2288.94	581.01	38.49	-44.23	368.72	19.55	19.54	PASS
2525.00†	2503.85	258.29	145.24	2485.45	2379.87	614.94	46.88	-43.14	390.18	19.97	20.22	PASS
2625.00†	2602.76	271.12	152.45	2582.87	2470.81	648.86	55.27	-42.16	411.76	20.46	20.81	PASS
2725.00†	2701.67	283.94	159.66	2680.28	2561.74	682.78	63.66	-41.29	433.44	21.02	21.31	PASS
2825.00†	2800.58	296.77	166.87	2777.70	2652.67	716.70	72.05	-40.49	455.21	21.63	21.72	PASS
2925.00†	2899.50	309.59	174.08	2875.11	2743.60	750.63	80.44	-39.77	477.06	22.30	22.06	PASS
3025.00†	2998.41	322.42	181.30	2972.53	2834.54	784.55	88.82	-39.11	498.97	23.01	22.34	PASS
3125.00†	3097.32	335.25	188.51	3069.95	2925.47	818.47	97.21	-38.51	520.94	23.77	22.56	PASS
3225.00†	3196.23	348.07	195.72	3167.36	3016.40	852.40	105.60	-37.96	542.96	24.56	22.73	PASS
3325.00†	3295.14	360.90	202.93	3264.78	3107.33	886.32	113.99	-37.45	565.02	25.39	22.86	PASS
3425.00†	3394.05	373.72	210.14	3362.19	3198.27	920.24	122.38	-36.97	587.13	26.25	22.96	PASS
3525.00†	3492.97	386.55	217.36	3459.61	3289.20	954.17	130.77	-36.53	609.27	27.13	23.03	PASS
3625.00†	3591.88	399.38	224.57	3557.02	3380.13	988.09	139.15	-36.13	631.44	28.04	23.08	PASS
3725.00†	3690.79	412.20	231.78	3654.44	3471.06	1022.01	147.54	-35.75	653.64	28.96	23.11	PASS
3825.00†	3789.70	425.03	238.99	3751.86	3562.00	1055.94	155.93	-35.39	675.87	29.91	23.12	PASS
3925.00†	3888.61	437.85	246.20	3849.27	3652.93	1089.86	164.32	-35.06	698.11	30.88	23.12	PASS
4025.00†	3987.52	450.68	253.42	3946.69	3743.86	1123.78	172.71	-34.75	720.38	31.86	23.10	PASS
4125.00†	4086.43	463.50	260.63	4044.10	3834.79	1157.71	181.10	-34.45	742.67	32.85	23.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#05 TROUDT 1C-23-M (760'FNL & 1654'FWL, SEC.27) Well: TROUDT 1C-23-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
4225.00†	4185.35	476.33	267.84	4141.52	3925.73	1191.63	189.49	-34.18	764.98	33.86	23.05	PASS	
4325.00†	4284.26	489.16	275.05	4238.94	4016.66	1225.55	197.87	-33.92	787.30	34.88	23.02	PASS	
4425.00†	4383.17	501.98	282.26	4336.35	4107.59	1259.48	206.26	-33.67	809.64	35.91	22.98	PASS	
4525.00†	4482.08	514.81	289.47	4433.77	4198.52	1293.40	214.65	-33.44	831.99	36.95	22.94	PASS	
4625.00†	4580.99	527.63	296.69	4531.18	4289.46	1327.32	223.04	-33.22	854.35	37.99	22.89	PASS	
4725.00†	4679.90	540.46	303.90	4628.60	4380.39	1361.24	231.43	-33.01	876.73	39.05	22.85	PASS	
4825.00†	4778.82	553.28	311.11	4726.02	4471.32	1395.17	239.82	-32.81	899.11	40.11	22.80	PASS	
4925.00†	4877.73	566.11	318.32	4823.43	4562.25	1429.09	248.21	-32.62	921.51	41.18	22.75	PASS	
5025.00†	4976.64	578.94	325.53	4920.85	4653.18	1463.01	256.59	-32.44	943.91	42.26	22.70	PASS	
5125.00†	5075.55	591.76	332.75	5018.26	4744.12	1496.94	264.98	-32.26	966.32	43.34	22.65	PASS	
5225.00†	5174.46	604.59	339.96	5115.68	4835.05	1530.86	273.37	-32.10	988.74	44.43	22.60	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1693.37	0.00	-64.12	109.37	-37.07
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.37	0.00	-64.12	109.37	-37.07
8.5in Open Hole	1750.00	15338.67	13588.67	1693.37	7132.00	109.37	-37.07	726.32	2537.76

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

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

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#03 EX:SCHAEFER #1-22 (660°FSL & 1980°FEL SEC.22, PR.7272°MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	7.00	25.00	1405.22	1597.65	48.67	2127.71	50.29	43.08	PASS	
125.00†	125.00	0.00	0.00	107.00	125.00	1405.22	1597.65	48.67	2127.71	52.59	41.16	PASS	
225.00†	225.00	0.00	0.00	207.00	225.00	1405.22	1597.65	48.67	2127.71	54.90	39.40	PASS	
300.00	300.00	0.00	0.00	282.00	300.00	1405.22	1597.65	48.67	2127.71	56.63	38.18	PASS	
325.00†	325.00	0.10	0.05	307.00	325.00	1405.22	1597.65	19.32	2127.60	57.21	37.78	PASS	
425.00†	424.96	2.38	1.34	406.96	424.96	1405.22	1597.65	19.36	2125.13	59.54	36.24	PASS	
525.00†	524.77	7.70	4.33	506.77	524.77	1405.22	1597.65	19.45	2119.38	61.91	34.73	PASS	
625.00†	624.30	16.05	9.03	606.30	624.30	1405.22	1597.65	19.60	2110.34	64.11	33.29	PASS	
723.07	721.54	27.18	15.28	703.54	721.54	1405.22	1597.65	19.80	2098.31	66.43	31.93	PASS	
725.00†	723.44	27.43	15.42	705.44	723.44	1405.22	1597.65	19.80	2098.04	66.48	31.91	PASS	
825.00†	822.35	40.25	22.63	804.35	822.35	1405.22	1597.65	19.94	2084.18	68.79	30.62	PASS	
925.00†	921.27	53.08	29.85	903.27	921.27	1405.22	1597.65	20.08	2070.34	71.11	29.42	PASS	
1025.00†	1020.18	65.91	37.06	1002.18	1020.18	1405.22	1597.65	20.22	2056.51	73.43	28.29	PASS	
1125.00†	1119.09	78.73	44.27	1101.09	1119.09	1405.22	1597.65	20.36	2042.69	75.76	27.22	PASS	
1225.00†	1218.00	91.56	51.48	1200.00	1218.00	1405.22	1597.65	20.50	2028.88	78.09	26.22	PASS	
1325.00†	1316.91	104.38	58.69	1298.91	1316.91	1405.22	1597.65	20.65	2015.09	80.43	25.28	PASS	
1425.00†	1415.82	117.21	65.91	1397.82	1415.82	1405.22	1597.65	20.80	2001.31	82.78	24.39	PASS	
1525.00†	1514.73	130.03	73.12	1496.73	1514.73	1405.22	1597.65	20.95	1987.54	85.13	23.55	PASS	
1625.00†	1613.65	142.86	80.33	1595.65	1613.65	1405.22	1597.65	21.10	1973.78	87.49	22.75	PASS	
1725.00†	1712.56	155.69	87.54	1694.56	1712.56	1405.22	1597.65	21.26	1960.04	89.85	21.99	PASS	
1825.00†	1811.47	168.51	94.75	1793.47	1811.47	1405.22	1597.65	21.41	1946.32	91.97	21.28	PASS	
1925.00†	1910.38	181.34	101.97	1892.38	1910.38	1405.22	1597.65	21.57	1932.61	94.26	20.62	PASS	
2025.00†	2009.29	194.16	109.18	1991.29	2009.29	1405.22	1597.65	21.73	1918.91	96.56	19.98	PASS	
2125.00†	2108.20	206.99	116.39	2090.20	2108.20	1405.22	1597.65	21.90	1905.23	98.87	19.37	PASS	
2225.00†	2207.12	219.81	123.60	2189.12	2207.12	1405.22	1597.65	22.06	1891.56	101.20	18.79	PASS	
2325.00†	2306.03	232.64	130.81	2288.03	2306.03	1405.22	1597.65	22.23	1877.91	103.53	18.23	PASS	
2425.00†	2404.94	245.47	138.02	2386.94	2404.94	1405.22	1597.65	22.40	1864.28	105.88	17.69	PASS	
2525.00†	2503.85	258.29	145.24	2485.85	2503.85	1405.22	1597.65	22.58	1850.66	108.24	17.18	PASS	
2625.00†	2602.76	271.12	152.45	2584.76	2602.76	1405.22	1597.65	22.75	1837.06	110.61	16.69	PASS	
2725.00†	2701.67	283.94	159.66	2683.67	2701.67	1405.22	1597.65	22.93	1823.48	112.99	16.21	PASS	
2825.00†	2800.58	296.77	166.87	2782.58	2800.58	1405.22	1597.65	23.11	1809.92	115.38	15.76	PASS	
2925.00†	2899.50	309.59	174.08	2881.50	2899.50	1405.22	1597.65	23.30	1796.37	117.78	15.32	PASS	
3025.00†	2998.41	322.42	181.30	2980.41	2998.41	1405.22	1597.65	23.48	1782.84	120.20	14.90	PASS	
3125.00†	3097.32	335.25	188.51	3079.32	3097.32	1405.22	1597.65	23.67	1769.33	122.62	14.49	PASS	
3225.00†	3196.23	348.07	195.72	3178.23	3196.23	1405.22	1597.65	23.86	1755.84	125.05	14.10	PASS	
3325.00†	3295.14	360.90	202.93	3277.14	3295.14	1405.22	1597.65	24.06	1742.37	127.50	13.72	PASS	
3425.00†	3394.05	373.72	210.14	3376.05	3394.05	1405.22	1597.65	24.26	1728.92	129.95	13.36	PASS	
3525.00†	3492.97	386.55	217.36	3474.97	3492.97	1405.22	1597.65	24.46	1715.49	132.42	13.00	PASS	
3625.00†	3591.88	399.38	224.57	3573.88	3591.88	1405.22	1597.65	24.66	1702.08	134.89	12.67	PASS	
3725.00†	3690.79	412.20	231.78	3672.79	3690.79	1405.22	1597.65	24.87	1688.70	137.37	12.34	PASS	
3825.00†	3789.70	425.03	238.99	3771.70	3789.70	1405.22	1597.65	25.08	1675.33	139.86	12.02	PASS	
3925.00†	3888.61	437.85	246.20	3870.61	3888.61	1405.22	1597.65	25.30	1661.99	142.36	11.72	PASS	
4025.00†	3987.52	450.68	253.42	3969.52	3987.52	1405.22	1597.65	25.52	1648.67	144.87	11.42	PASS	
4125.00†	4086.43	463.50	260.63	4068.43	4086.43	1405.22	1597.65	25.74	1635.38	147.39	11.13	PASS	
4225.00†	4185.35	476.33	267.84	4167.35	4185.35	1405.22	1597.65	25.96	1622.11	149.91	10.86	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4266.26	4284.26	1405.22	1597.65	26.19	1608.87	152.45	10.59	PASS	
4425.00†	4383.17	501.98	282.26	4365.17	4383.17	1405.22	1597.65	26.42	1595.65	154.99	10.33	PASS	
4525.00†	4482.08	514.81	289.47	4464.08	4482.08	1405.22	1597.65	26.66	1582.46	157.54	10.08	PASS	
4625.00†	4580.99	527.63	296.69	4562.99	4580.99	1405.22	1597.65	26.90	1569.29	160.10	9.83	PASS	
4725.00†	4679.90	540.46	303.90	4661.90	4679.90	1405.22	1597.65	27.15	1556.15	162.66	9.60	PASS	
4825.00†	4778.82	553.28	311.11	4760.82	4778.82	1405.22	1597.65	27.39	1543.04	165.23	9.37	PASS	
4925.00†	4877.73	566.11	318.32	4859.73	4877.73	1405.22	1597.65	27.65	1529.96	167.81	9.14	PASS	
5025.00†	4976.64	578.94	325.53	4958.64	4976.64	1405.22	1597.65	27.91	1516.91	170.40	8.93	PASS	
5125.00†	5075.55	591.76	332.75	5057.55	5075.55	1405.22	1597.65	28.17	1503.90	172.99	8.72	PASS	
5225.00†	5174.46	604.59	339.96	5156.46	5174.46	1405.22	1597.65	28.43	1490.91	175.58	8.51	PASS	
5325.00†	5273.37	617.41	347.17	5255.37	5273.37	1405.22	1597.65	28.70	1477.95	178.19	8.32	PASS	
5425.00†	5372.28	630.24	354.38	5354.28	5372.28	1405.22	1597.65	28.98	1465.03	180.80	8.12	PASS	
5525.00†	5471.20	643.07	361.59	5453.20	5471.20	1405.22	1597.65	29.26	1452.14	183.41	7.94	PASS	
5625.00†	5570.11	655.89	368.81	5552.11	5570.11	1405.22	1597.65	29.55	1439.29	186.03	7.76	PASS	
5725.00†	5669.02	668.72	376.02	5651.02	5669.02	1405.22	1597.65	29.84	1426.47	188.66	7.58	PASS	
5825.00†	5767.93	681.54	383.23	5749.93	5767.93	1405.22	1597.65	30.13	1413.69	191.29	7.41	PASS	
5925.00†	5866.84	694.37	390.44	5848.84	5866.84	1405.22	1597.65	30.43	1400.95	193.93	7.24	PASS	
6025.00†	5965.75	707.19	397.65	5947.75	5965.75	1405.22	1597.65	30.74	1388.25	196.57	7.08	PASS	
6125.00†	6064.66	720.02	404.87	6046.66	6064.66	1405.22	1597.65	31.05	1375.59	199.22	6.92	PASS	
6225.00†	6163.58	732.85	412.08	6145.58	6163.58	1405.22	1597.65	31.37	1362.97	201.87	6.77	PASS	
6325.00†	6262.49	745.67	419.29	6244.49	6262.49	1405.22	1597.65	31.69	1350.39	204.52	6.62	PASS	
6425.00†	6361.40	758.50	426.50	6343.40	6361.40	1405.22	1597.65	32.02	1337.85	207.18	6.47	PASS	
6525.00†	6460.31	771.32	433.71	6442.31	6460.31	1405.22	1597.65	32.36	1325.36	209.85	6.33	PASS	
6533.75	6468.97	772.45	434.34	6450.97	6468.97	1405.22	1597.65	32.39	1324.27	210.08	6.32	PASS	
6625.00†	6558.44	784.11	447.41	6540.44	6558.44	1405.22	1597.65	2.42	1307.22	212.58	6.16	PASS	
6725.00†	6653.23	796.63	476.37	6635.23	6653.23	1405.22	1597.65	-10.66	1275.80	215.54	5.93	PASS	
6825.00†	6742.33	808.56	519.92	6724.33	6742.33	1405.22	1597.65	-18.65	1231.88	218.39	5.65	PASS	
6925.00†	6823.57	819.61	577.00	6805.57	6823.57	1405.22	1597.65	-25.92	1176.72	220.95	5.34	PASS	
7025.00†	6894.93	829.52	646.20	6876.93	6894.93	1405.22	1597.65	-34.23	1112.07	223.15	4.99	PASS	
7125.00†	6954.67	838.03	725.81	6936.67	6954.67	1405.22	1597.65	-44.63	1040.10	224.99	4.63	PASS	
7225.00†	7001.30	844.93	813.89	6983.30	7001.30	1405.22	1597.65	-57.37	963.43	226.53	4.26	PASS	
7325.00†	7033.68	850.07	908.25	7015.68	7033.68	1405.22	1597.65	-71.27	885.14	227.92	3.89	PASS	
7425.00†	7051.02	853.30	1006.58	7033.02	7051.02	1405.22	1597.65	-83.83	808.69	229.35	3.53	PASS	
7489.77	7054.00	854.34	1071.25	7036.00	7054.00	1405.22	1597.65	-90.24	761.95	230.42	3.31	PASS	
7525.00†	7053.85	854.68	1106.47	7035.85	7053.85	1405.22	1597.65	-90.23	737.80	231.10	3.20	PASS	
7625.00†	7053.41	855.64	1206.47	7035.41	7053.41	1405.22	1597.65	-90.18	674.58	233.72	2.89	PASS	
7725.00†	7052.97	856.60	1306.46	7034.97	7052.97	1405.22	1597.65	-90.14	621.11	237.46	2.62	PASS	
7825.00†	7052.54	857.56	1406.46	7034.54	7052.54	1405.22	1597.65	-90.09	580.07	242.20	2.40	PASS	
7925.00†	7052.10	858.52	1506.45	7034.10	7052.10	1405.22	1597.65	-90.04	554.25	247.45	2.24	PASS	
8021.31†	7051.68	859.45	1602.76	7033.96	7051.96	1405.22	1597.65	-90.03	545.80	252.23	2.17	PASS	
8025.00†	7051.66	859.48	1606.45	7033.66	7051.66	1405.22	1597.65	-90.00	545.81	252.39	2.17	PASS	
8068.28†	7051.48	859.90	1649.73	7033.48	7051.48	1405.22	1597.65	-89.98	547.80	254.23	2.16	PASS	
8125.00†	7051.23	860.44	1706.44	7033.23	7051.23	1405.22	1597.65	-89.95	555.53	256.23	2.17	PASS	
8225.00†	7050.79	861.40	1806.43	7032.79	7050.79	1405.22	1597.65	-89.91	582.52	258.59	2.26	PASS	
8325.00†	7050.36	862.36	1906.43	7032.36	7050.36	1405.22	1597.65	-89.86	624.53	259.55	2.41	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#03 EX:SCHAEFER #1-22 (660'FSL & 1980'FEL SEC.22, PR,7272'MD) Well: SCHAEFER #1-22 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8425.00†	7049.92	863.32	2006.42	7031.92	7049.92	1405.22	1597.65	-89.82	678.78	259.49	2.62	PASS	
8525.00†	7049.48	864.28	2106.42	7031.48	7049.48	1405.22	1597.65	-89.77	742.60	258.82	2.87	PASS	
8625.00†	7049.05	865.24	2206.41	7031.05	7049.05	1405.22	1597.65	-89.72	813.73	257.83	3.16	PASS	
8725.00†	7048.61	866.20	2306.41	7030.61	7048.61	1405.22	1597.65	-89.68	890.43	256.72	3.47	PASS	
8825.00†	7048.17	867.16	2406.40	7030.17	7048.17	1405.22	1597.65	-89.63	971.38	255.61	3.81	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	856.65	973.90	856.65	973.90
8.625in Casing Surface	0.00	520.00	520.00	-7.00	513.00	856.65	973.90	856.65	973.90
7.875in Open Hole	520.00	7232.00	6712.00	513.00	7225.00	856.65	973.90	856.65	973.90
4.5in Casing Production	0.00	7232.00	7232.00	-7.00	7225.00	856.65	973.90	856.65	973.90

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	240.08	1.56	398.53	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-240.08	0.00	180.00	240.08	1.89	258.81	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-240.08	0.00	180.00	240.08	2.46	159.93	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-240.08	0.00	180.00	240.08	2.91	123.13	PASS	
325.00†	325.00	0.10	0.05	323.94	323.94	-240.14	-0.08	150.68	240.23	3.05	114.59	PASS	
425.00†	424.96	2.38	1.34	419.49	419.45	-241.40	-2.11	151.41	243.87	3.96	81.07	PASS	
525.00†	524.77	7.70	4.33	514.27	514.07	-244.32	-6.80	153.02	252.49	5.37	57.11	PASS	
625.00†	624.30	16.05	9.03	607.67	607.08	-248.82	-14.01	155.31	266.43	6.61	46.99	PASS	
723.07	721.54	27.18	15.28	697.41	696.13	-254.65	-23.35	157.96	285.60	7.77	41.83	PASS	
725.00†	723.44	27.43	15.42	699.15	697.86	-254.78	-23.56	158.01	286.03	7.80	41.72	PASS	
825.00†	822.35	40.25	22.63	788.69	786.33	-262.09	-35.28	160.98	309.94	8.61	40.41	PASS	
925.00†	921.27	53.08	29.85	880.33	876.45	-270.87	-49.36	163.91	336.49	9.34	40.06	PASS	
1025.00†	1020.18	65.91	37.06	975.16	969.65	-280.13	-64.21	166.55	364.08	9.99	40.24	PASS	
1125.00†	1119.09	78.73	44.27	1069.99	1062.85	-289.40	-79.06	168.82	392.29	10.69	40.24	PASS	
1225.00†	1218.00	91.56	51.48	1164.82	1156.05	-298.66	-93.91	170.79	421.01	10.96	42.00	PASS	
1325.00†	1316.91	104.38	58.69	1259.65	1249.25	-307.92	-108.76	172.51	450.13	11.88	41.13	PASS	
1425.00†	1415.82	117.21	65.91	1354.48	1342.45	-317.19	-123.61	174.02	479.58	12.56	41.28	PASS	
1525.00†	1514.73	130.03	73.12	1449.31	1435.65	-326.45	-138.47	175.36	509.31	13.20	41.53	PASS	
1625.00†	1613.65	142.86	80.33	1544.14	1528.86	-335.71	-153.32	176.56	539.27	13.85	41.77	PASS	
1725.00†	1712.56	155.69	87.54	1638.97	1622.06	-344.97	-168.17	177.62	569.42	14.50	41.99	PASS	
1825.00†	1811.47	168.51	94.75	1733.80	1715.26	-354.24	-183.02	178.59	599.73	14.81	42.62	PASS	
1925.00†	1910.38	181.34	101.97	1828.63	1808.46	-363.50	-197.87	179.46	630.19	14.98	44.10	PASS	
2025.00†	2009.29	194.16	109.18	1923.46	1901.66	-372.76	-212.72	-179.75	660.76	15.10	45.87	PASS	
2125.00†	2108.20	206.99	116.39	2018.29	1994.86	-382.02	-227.57	-179.03	691.44	15.29	47.36	PASS	
2225.00†	2207.12	219.81	123.60	2113.12	2088.06	-391.29	-242.42	-178.37	722.21	15.56	48.58	PASS	
2325.00†	2306.03	232.64	130.81	2207.95	2181.26	-400.55	-257.27	-177.77	753.06	15.90	49.52	PASS	
2425.00†	2404.94	245.47	138.02	2302.78	2274.46	-409.81	-272.12	-177.21	783.99	16.31	50.21	PASS	
2525.00†	2503.85	258.29	145.24	2397.61	2367.66	-419.07	-286.97	-176.69	814.97	16.77	50.68	PASS	
2625.00†	2602.76	271.12	152.45	2492.44	2460.86	-428.34	-301.82	-176.21	846.01	17.30	50.96	PASS	
2725.00†	2701.67	283.94	159.66	2587.27	2554.06	-437.60	-316.67	-175.77	877.10	17.87	51.07	PASS	
2825.00†	2800.58	296.77	166.87	2682.10	2647.27	-446.86	-331.52	-175.35	908.24	18.48	51.05	PASS	
2925.00†	2899.50	309.59	174.08	2776.93	2740.47	-456.13	-346.37	-174.96	939.41	19.14	50.92	PASS	
3025.00†	2998.41	322.42	181.30	2871.76	2833.67	-465.39	-361.22	-174.60	970.62	19.84	50.71	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

Clearance Report

TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	0.00	-181.63	-56.56
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1731.18	-146.36	0.00	-181.63	-56.56
8.5in Open Hole	25.00	16514.62	16489.62	25.00	6976.00	-146.36	0.00	-347.98	2682.20

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 41N-26B-L PWB
1750.00	16514.62	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 41N-26B-L PWB

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14068.30	6889.24	1590.17	-162.18	-5.82	7047.89	97.19	73.20	PASS	
125.00†	125.00	0.00	0.00	14069.52	6889.27	1590.13	-160.96	-5.78	6950.53	98.22	71.42	PASS	
225.00†	225.00	0.00	0.00	14070.76	6889.31	1590.10	-159.72	-5.74	6853.25	98.78	70.02	PASS	
300.00	300.00	0.00	0.00	14071.71	6889.34	1590.07	-158.77	-5.70	6780.34	99.20	68.98	PASS	
325.00†	325.00	0.10	0.05	14072.05	6889.35	1590.06	-158.43	-36.26	6756.02	99.35	68.63	PASS	
425.00†	424.96	2.38	1.34	14073.85	6889.41	1590.01	-156.63	-41.83	6658.42	99.90	67.26	PASS	
525.00†	524.77	7.70	4.33	14076.38	6889.49	1589.94	-154.11	-48.86	6560.35	100.42	65.92	PASS	
625.00†	624.30	16.05	9.03	14079.65	6889.59	1589.85	-150.84	-57.69	6461.91	100.89	64.63	PASS	
723.07	721.54	27.18	15.28	14083.59	6889.72	1589.73	-146.91	-68.31	6365.10	101.30	63.40	PASS	
725.00†	723.44	27.43	15.42	14083.67	6889.73	1589.73	-146.82	-68.30	6363.19	101.31	63.37	PASS	
825.00†	822.35	40.25	22.63	14088.11	6889.88	1589.60	-142.39	-68.11	6264.39	101.70	62.15	PASS	
925.00†	921.27	53.08	29.85	14092.64	6890.04	1589.46	-137.86	-67.91	6165.62	102.11	60.92	PASS	
1025.00†	1020.18	65.91	37.06	14097.26	6890.21	1589.31	-133.25	-67.70	6066.88	102.54	59.69	PASS	
1125.00†	1119.09	78.73	44.27	14101.98	6890.39	1589.16	-128.54	-67.49	5968.18	102.98	58.46	PASS	
1225.00†	1218.00	91.56	51.48	14106.79	6890.58	1589.00	-123.73	-67.27	5869.51	103.45	57.24	PASS	
1325.00†	1316.91	104.38	58.69	14111.70	6890.77	1588.83	-118.83	-67.05	5770.88	103.93	56.01	PASS	
1425.00†	1415.82	117.21	65.91	14116.72	6890.98	1588.66	-113.81	-66.82	5672.29	104.43	54.79	PASS	
1525.00†	1514.73	130.03	73.12	14121.85	6891.20	1588.48	-108.70	-66.59	5573.73	104.95	53.57	PASS	
1625.00†	1613.65	142.86	80.33	14127.09	6891.43	1588.29	-103.47	-66.35	5475.22	105.49	52.35	PASS	
1725.00†	1712.56	155.69	87.54	14132.44	6891.68	1588.09	-98.12	-66.10	5376.76	106.06	51.13	PASS	
1825.00†	1811.47	168.51	94.75	14137.91	6891.93	1587.88	-92.66	-65.84	5278.34	106.44	49.92	PASS	
1925.00†	1910.38	181.34	101.97	14142.96	6892.18	1587.69	-87.62	-65.61	5179.97	107.03	48.71	PASS	
2025.00†	2009.29	194.16	109.18	14147.98	6892.43	1587.50	-82.61	-65.37	5081.65	107.66	47.51	PASS	
2125.00†	2108.20	206.99	116.39	14153.13	6892.69	1587.30	-77.47	-65.12	4983.38	108.31	46.31	PASS	
2225.00†	2207.12	219.81	123.60	14158.39	6892.96	1587.10	-72.22	-64.87	4885.18	108.99	45.11	PASS	
2325.00†	2306.03	232.64	130.81	14163.77	6893.25	1586.89	-66.85	-64.61	4787.03	109.70	43.92	PASS	
2425.00†	2404.94	245.47	138.02	14169.29	6893.55	1586.68	-61.35	-64.34	4688.95	110.44	42.72	PASS	
2525.00†	2503.85	258.29	145.24	14174.93	6893.87	1586.46	-55.72	-64.07	4590.94	111.22	41.54	PASS	
2625.00†	2602.76	271.12	152.45	14180.71	6894.21	1586.24	-49.95	-63.78	4493.00	112.03	40.35	PASS	
2725.00†	2701.67	283.94	159.66	14186.64	6894.56	1586.01	-44.04	-63.49	4395.13	112.88	39.17	PASS	
2825.00†	2800.58	296.77	166.87	14192.71	6894.93	1585.78	-37.99	-63.19	4297.35	113.78	38.00	PASS	
2925.00†	2899.50	309.59	174.08	14198.93	6895.32	1585.54	-31.78	-62.87	4199.65	114.72	36.83	PASS	
3025.00†	2998.41	322.42	181.30	14205.32	6895.73	1585.30	-25.41	-62.55	4102.04	115.70	35.67	PASS	
3125.00†	3097.32	335.25	188.51	14211.87	6896.17	1585.05	-18.88	-62.22	4004.53	116.74	34.51	PASS	
3225.00†	3196.23	348.07	195.72	14218.59	6896.62	1584.79	-12.18	-61.87	3907.12	117.83	33.35	PASS	
3325.00†	3295.14	360.90	202.93	14225.49	6897.10	1584.53	-5.30	-61.51	3809.83	118.98	32.21	PASS	
3425.00†	3394.05	373.72	210.14	14234.03	6897.72	1584.20	3.22	-61.06	3712.64	120.21	31.06	PASS	
3525.00†	3492.97	386.55	217.36	14244.20	6898.45	1583.82	13.35	-60.52	3615.58	121.52	29.92	PASS	
3625.00†	3591.88	399.38	224.57	14254.52	6899.21	1583.43	23.63	-59.97	3518.64	122.90	28.79	PASS	
3725.00†	3690.79	412.20	231.78	14264.99	6899.99	1583.03	34.07	-59.40	3421.83	124.36	27.67	PASS	
3825.00†	3789.70	425.03	238.99	14275.62	6900.80	1582.63	44.66	-58.81	3325.17	125.90	26.55	PASS	
3925.00†	3888.61	437.85	246.20	14286.42	6901.63	1582.22	55.42	-58.20	3228.66	127.54	25.45	PASS	
4025.00†	3987.52	450.68	253.42	14297.38	6902.48	1581.81	66.34	-57.58	3132.32	129.28	24.36	PASS	
4125.00†	4086.43	463.50	260.63	14308.52	6903.36	1581.40	77.43	-56.94	3036.17	131.13	23.27	PASS	
4225.00†	4185.35	476.33	267.84	14320.21	6904.30	1580.96	89.08	-56.26	2940.22	133.10	22.20	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	14334.01	6905.41	1580.45	102.83	-55.45	2844.47	135.22	21.14	PASS	
4425.00†	4383.17	501.98	282.26	14347.84	6906.53	1579.95	116.60	-54.62	2748.96	137.48	20.09	PASS	
4525.00†	4482.08	514.81	289.47	14361.70	6907.65	1579.46	130.41	-53.77	2653.71	139.91	19.06	PASS	
4625.00†	4580.99	527.63	296.69	14375.59	6908.77	1578.97	144.24	-52.91	2558.73	142.51	18.04	PASS	
4725.00†	4679.90	540.46	303.90	14389.51	6909.90	1578.50	158.11	-52.04	2464.07	145.30	17.04	PASS	
4825.00†	4778.82	553.28	311.11	14403.46	6911.03	1578.03	172.01	-51.14	2369.76	148.30	16.05	PASS	
4925.00†	4877.73	566.11	318.32	14493.44	6916.91	1574.70	261.73	-45.08	2275.68	152.42	15.00	PASS	
5025.00†	4976.64	578.94	325.53	14676.14	6918.36	1565.99	444.15	-31.42	2181.43	157.88	13.87	PASS	
5125.00†	5075.55	591.76	332.75	14679.04	6918.26	1565.83	447.05	-31.19	2087.46	161.62	12.97	PASS	
5225.00†	5174.46	604.59	339.96	14681.90	6918.17	1565.68	449.91	-30.97	1994.07	165.69	12.08	PASS	
5325.00†	5273.37	617.41	347.17	14684.72	6918.07	1565.53	452.72	-30.74	1901.34	170.15	11.22	PASS	
5425.00†	5372.28	630.24	354.38	14687.51	6917.97	1565.39	455.51	-30.53	1809.39	175.05	10.37	PASS	
5525.00†	5471.20	643.07	361.59	14690.26	6917.88	1565.25	458.25	-30.31	1718.33	180.42	9.56	PASS	
5625.00†	5570.11	655.89	368.81	14692.98	6917.78	1565.12	460.96	-30.10	1628.32	186.35	8.77	PASS	
5725.00†	5669.02	668.72	376.02	14695.66	6917.69	1564.99	463.64	-29.89	1539.53	192.89	8.01	PASS	
5825.00†	5767.93	681.54	383.23	14698.30	6917.59	1564.87	466.28	-29.68	1452.20	200.12	7.28	PASS	
5925.00†	5866.84	694.37	390.44	14700.91	6917.50	1564.74	468.89	-29.47	1366.60	208.11	6.59	PASS	
6025.00†	5965.75	707.19	397.65	14703.49	6917.40	1564.63	471.46	-29.27	1283.07	216.94	5.93	PASS	
6125.00†	6064.66	720.02	404.87	14706.04	6917.31	1564.51	474.00	-29.07	1202.06	226.66	5.32	PASS	
6225.00†	6163.58	732.85	412.08	14708.55	6917.22	1564.40	476.51	-28.87	1124.10	237.31	4.75	PASS	
6325.00†	6262.49	745.67	419.29	14711.04	6917.12	1564.29	478.93	-28.68	1049.88	248.86	4.23	PASS	
6425.00†	6361.40	758.50	426.50	14713.49	6917.03	1564.19	481.44	-28.48	980.25	261.17	3.76	PASS	
6525.00†	6460.31	771.32	433.71	14715.91	6916.94	1564.09	483.86	-28.29	916.24	273.94	3.35	PASS	
6533.75	6468.97	772.45	434.34	14716.12	6916.93	1564.08	484.07	-28.28	910.95	275.07	3.32	PASS	
6625.00†	6558.44	784.11	447.41	14723.66	6916.64	1563.78	491.60	-27.76	859.15	286.81	3.00	PASS	
6725.00†	6653.23	796.63	476.37	14743.91	6915.83	1563.06	511.81	-27.77	810.95	299.10	2.72	PASS	
6825.00†	6742.33	808.56	519.92	14776.32	6914.43	1562.19	544.19	-24.16	773.42	309.67	2.50	PASS	
6925.00†	6823.57	819.61	577.00	14821.13	6912.47	1561.45	588.94	-26.48	747.24	317.81	2.35	PASS	
7025.00†	6894.93	829.52	646.20	14876.35	6910.07	1561.25	644.11	-26.35	731.89	323.40	2.27	PASS	
7125.00†	6954.67	838.03	725.81	14940.14	6907.32	1562.07	707.84	-24.79	725.81	327.00	2.22	PASS	
7162.50†	6973.76	840.82	757.96	14967.25	6906.15	1562.75	734.91	-23.95	725.46	328.13	2.21	PASS	
7225.00†	7001.30	844.93	813.89	15014.91	6904.11	1564.31	782.50	-22.44	726.59	329.80	2.21	PASS	
7249.14†	7010.46	846.34	836.18	15034.00	6903.29	1565.07	801.56	-21.85	727.50	330.47	2.20	PASS	
7325.00†	7033.68	850.07	908.25	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7425.00†	7051.02	853.30	1006.58	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7489.77	7054.00	854.34	1071.25	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7525.00†	7053.85	854.68	1106.47	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7625.00†	7053.41	855.64	1206.47	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7725.00†	7052.97	856.60	1306.46	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7825.00†	7052.54	857.56	1406.46	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	
7925.00†	7052.10	858.52	1506.45	15085.00	6901.12	1568.01	852.43	-20.36	732.21	332.13	2.21	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	727.88	-4982.70	738.33	-4964.35
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.88	-4982.70	738.32	-4964.46
8.5in Open Hole	1766.00	9486.00	7720.00	1747.11	6898.21	738.33	-4964.35	839.39	-3935.72
8.5in Open Hole	9486.00	15085.00	5599.00	6898.21	6901.12	839.39	-3935.72	841.37	-2231.43

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-738.89	8302.01	95.09	8334.82	25.57	338.75	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1228.73	9005.36	82.23	11530.77	132.08	87.94
125.00†	125.00	0.00	0.00	11723.50	7120.94	1228.73	9005.36	82.23	11469.51	132.62	87.11
225.00†	225.00	0.00	0.00	11723.50	7120.94	1228.73	9005.36	82.23	11408.78	133.05	86.36
300.00	300.00	0.00	0.00	11723.50	7120.94	1228.73	9005.36	82.23	11363.61	133.38	85.81
325.00†	325.00	0.10	0.05	11723.50	7120.94	1228.73	9005.36	53.18	11348.57	133.49	85.62
425.00†	424.96	2.38	1.34	11723.50	7120.94	1228.73	9005.36	54.42	11287.72	133.94	84.88
525.00†	524.77	7.70	4.33	11723.50	7120.94	1228.73	9005.36	55.71	11225.82	134.41	84.11
625.00†	624.30	16.05	9.03	11723.50	7120.94	1228.73	9005.36	57.06	11162.93	134.89	83.35
723.07	721.54	27.18	15.28	11723.50	7120.94	1228.73	9005.36	58.43	11100.35	135.36	82.59
725.00†	723.44	27.43	15.42	11723.50	7120.94	1228.73	9005.36	58.43	11099.11	135.37	82.57
825.00†	822.35	40.25	22.63	11723.50	7120.94	1228.73	9005.36	58.43	11035.13	135.84	81.81
925.00†	921.27	53.08	29.85	11723.50	7120.94	1228.73	9005.36	58.43	10971.69	136.32	81.05
1025.00†	1020.18	65.91	37.06	11723.50	7120.94	1228.73	9005.36	58.43	10908.80	136.81	80.29
1125.00†	1119.09	78.73	44.27	11723.50	7120.94	1228.73	9005.36	58.43	10846.47	137.31	79.54
1225.00†	1218.00	91.56	51.48	11723.50	7120.94	1228.73	9005.36	58.43	10784.71	137.82	78.80
1325.00†	1316.91	104.38	58.69	11723.50	7120.94	1228.73	9005.36	58.43	10723.52	138.34	78.05
1425.00†	1415.82	117.21	65.91	11723.50	7120.94	1228.73	9005.36	58.43	10662.92	138.86	77.32
1525.00†	1514.73	130.03	73.12	11723.50	7120.94	1228.73	9005.36	58.43	10602.91	139.40	76.59
1625.00†	1613.65	142.86	80.33	11723.50	7120.94	1228.73	9005.36	58.43	10543.51	139.94	75.86
1725.00†	1712.56	155.69	87.54	11723.50	7120.94	1228.73	9005.36	58.43	10484.73	140.49	75.14
1825.00†	1811.47	168.51	94.75	11723.50	7120.94	1228.73	9005.36	58.43	10426.58	140.74	74.45
1925.00†	1910.38	181.34	101.97	11723.50	7120.94	1228.73	9005.36	58.43	10369.06	141.20	73.80
2025.00†	2009.29	194.16	109.18	11723.50	7120.94	1228.73	9005.36	58.43	10312.20	141.66	73.15
2125.00†	2108.20	206.99	116.39	11723.50	7120.94	1228.73	9005.36	58.43	10255.99	142.14	72.51
2225.00†	2207.12	219.81	123.60	11723.50	7120.94	1228.73	9005.36	58.43	10200.46	142.62	71.88
2325.00†	2306.03	232.64	130.81	11723.50	7120.94	1228.73	9005.36	58.43	10145.60	143.11	71.24
2425.00†	2404.94	245.47	138.02	11723.50	7120.94	1228.73	9005.36	58.43	10091.44	143.60	70.62
2525.00†	2503.85	258.29	145.24	11723.50	7120.94	1228.73	9005.36	58.43	10037.98	144.10	70.00
2625.00†	2602.76	271.12	152.45	11723.50	7120.94	1228.73	9005.36	58.43	9985.24	144.61	69.38
2725.00†	2701.67	283.94	159.66	11723.50	7120.94	1228.73	9005.36	58.43	9933.23	145.13	68.77
2825.00†	2800.58	296.77	166.87	11723.50	7120.94	1228.73	9005.36	58.43	9881.95	145.65	68.17
2925.00†	2899.50	309.59	174.08	11723.50	7120.94	1228.73	9005.36	58.43	9831.42	146.18	67.58
3025.00†	2998.41	322.42	181.30	11723.50	7120.94	1228.73	9005.36	58.43	9781.66	146.72	66.99
3125.00†	3097.32	335.25	188.51	11723.50	7120.94	1228.73	9005.36	58.43	9732.67	147.26	66.41
3225.00†	3196.23	348.07	195.72	11723.50	7120.94	1228.73	9005.36	58.43	9684.46	147.81	65.83
3325.00†	3295.14	360.90	202.93	11723.50	7120.94	1228.73	9005.36	58.43	9637.05	148.36	65.26
3425.00†	3394.05	373.72	210.14	11723.50	7120.94	1228.73	9005.36	58.43	9590.44	148.92	64.70
3525.00†	3492.97	386.55	217.36	11723.50	7120.94	1228.73	9005.36	58.43	9544.66	149.48	64.15
3625.00†	3591.88	399.38	224.57	11723.50	7120.94	1228.73	9005.36	58.43	9499.71	150.04	63.61
3725.00†	3690.79	412.20	231.78	11723.50	7120.94	1228.73	9005.36	58.43	9455.60	150.61	63.07
3825.00†	3789.70	425.03	238.99	11723.50	7120.94	1228.73	9005.36	58.43	9412.35	151.18	62.55
3925.00†	3888.61	437.85	246.20	11723.50	7120.94	1228.73	9005.36	58.43	9369.97	151.76	62.03
4025.00†	3987.52	450.68	253.42	11723.50	7120.94	1228.73	9005.36	58.43	9328.47	152.33	61.52
4125.00†	4086.43	463.50	260.63	11723.50	7120.94	1228.73	9005.36	58.43	9287.85	152.91	61.02
4225.00†	4185.35	476.33	267.84	11723.50	7120.94	1228.73	9005.36	58.43	9248.14	153.49	60.53

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	11723.50	7120.94	1228.73	9005.36	58.43	9209.35	154.07	60.04
4425.00†	4383.17	501.98	282.26	11723.50	7120.94	1228.73	9005.36	58.43	9171.48	154.65	59.57
4525.00†	4482.08	514.81	289.47	11723.50	7120.94	1228.73	9005.36	58.43	9134.55	155.23	59.11
4625.00†	4580.99	527.63	296.69	11723.50	7120.94	1228.73	9005.36	58.43	9098.57	155.81	58.66
4725.00†	4679.90	540.46	303.90	11723.50	7120.94	1228.73	9005.36	58.43	9063.55	156.39	58.21
4825.00†	4778.82	553.28	311.11	11723.50	7120.94	1228.73	9005.36	58.43	9029.50	156.97	57.78
4925.00†	4877.73	566.11	318.32	11723.50	7120.94	1228.73	9005.36	58.43	8996.43	157.54	57.36
5025.00†	4976.64	578.94	325.53	11723.50	7120.94	1228.73	9005.36	58.43	8964.36	158.11	56.95
5125.00†	5075.55	591.76	332.75	11723.50	7120.94	1228.73	9005.36	58.43	8933.29	158.68	56.55
5225.00†	5174.46	604.59	339.96	11723.50	7120.94	1228.73	9005.36	58.43	8903.23	159.24	56.16
5325.00†	5273.37	617.41	347.17	11723.50	7120.94	1228.73	9005.36	58.43	8874.21	159.80	55.78
5425.00†	5372.28	630.24	354.38	11723.50	7120.94	1228.73	9005.36	58.43	8846.21	160.35	55.41
5525.00†	5471.20	643.07	361.59	11723.50	7120.94	1228.73	9005.36	58.43	8819.26	160.90	55.05
5625.00†	5570.11	655.89	368.81	11723.50	7120.94	1228.73	9005.36	58.43	8793.37	161.44	54.71
5725.00†	5669.02	668.72	376.02	11723.50	7120.94	1228.73	9005.36	58.43	8768.54	161.97	54.37
5825.00†	5767.93	681.54	383.23	11723.50	7120.94	1228.73	9005.36	58.43	8744.78	162.50	54.05
5925.00†	5866.84	694.37	390.44	11723.50	7120.94	1228.73	9005.36	58.43	8722.11	163.01	53.73
6025.00†	5965.75	707.19	397.65	11723.50	7120.94	1228.73	9005.36	58.43	8700.52	163.52	53.43
6125.00†	6064.66	720.02	404.87	11723.50	7120.94	1228.73	9005.36	58.43	8680.04	164.02	53.15
6225.00†	6163.58	732.85	412.08	11723.50	7120.94	1228.73	9005.36	58.43	8660.66	164.51	52.87
6325.00†	6262.49	745.67	419.29	11723.50	7120.94	1228.73	9005.36	58.43	8642.39	164.99	52.60
6425.00†	6361.40	758.50	426.50	11723.50	7120.94	1228.73	9005.36	58.43	8625.25	165.46	52.35
6525.00†	6460.31	771.32	433.71	11723.50	7120.94	1228.73	9005.36	58.43	8609.23	165.92	52.11
6533.75	6468.97	772.45	434.34	11723.50	7120.94	1228.73	9005.36	58.43	8607.88	165.96	52.09
6625.00†	6558.44	784.11	447.41	11723.50	7120.94	1228.73	9005.36	28.97	8587.93	166.53	51.79
6725.00†	6653.23	796.63	476.37	11723.50	7120.94	1228.73	9005.36	17.35	8552.73	167.67	51.22
6825.00†	6742.33	808.56	519.92	11723.50	7120.94	1228.73	9005.36	12.01	8504.27	168.76	50.60
6925.00†	6823.57	819.61	577.00	11723.50	7120.94	1228.73	9005.36	8.91	8443.53	169.67	49.97
7025.00†	6894.93	829.52	646.20	11723.50	7120.94	1228.73	9005.36	6.75	8371.74	170.41	49.33
7125.00†	6954.67	838.03	725.81	11723.50	7120.94	1228.73	9005.36	4.93	8290.43	170.97	48.69
7225.00†	7001.30	844.93	813.89	11723.50	7120.94	1228.73	9005.36	2.85	8201.33	171.36	48.06
7325.00†	7033.68	850.07	908.25	11723.50	7120.94	1228.73	9005.36	-0.80	8106.43	171.58	47.44
7425.00†	7051.02	853.30	1006.58	11723.50	7120.94	1228.73	9005.36	-15.46	8007.89	171.68	46.83
7489.77	7054.00	854.34	1071.25	11723.50	7120.94	1228.73	9005.36	-108.81	7943.23	171.68	46.45
7525.00†	7053.85	854.68	1106.47	11723.50	7120.94	1228.73	9005.36	-108.81	7908.02	171.68	46.25
7625.00†	7053.41	855.64	1206.47	11723.50	7120.94	1228.73	9005.36	-108.81	7808.10	171.66	45.67
7725.00†	7052.97	856.60	1306.48	11723.50	7120.94	1228.73	9005.36	-108.81	7708.19	171.65	45.09
7825.00†	7052.54	857.56	1406.46	11723.50	7120.94	1228.73	9005.36	-108.81	7608.27	171.63	44.51
7925.00†	7052.10	858.52	1506.45	11723.50	7120.94	1228.73	9005.36	-108.81	7508.36	171.62	43.93
8025.00†	7051.66	859.48	1606.45	11723.50	7120.94	1228.73	9005.36	-108.81	7408.45	171.61	43.35
8125.00†	7051.23	860.44	1706.44	11723.50	7120.94	1228.73	9005.36	-108.81	7308.54	171.60	42.76
8225.00†	7050.79	861.40	1806.43	11723.50	7120.94	1228.73	9005.36	-108.81	7208.63	171.59	42.18
8325.00†	7050.36	862.36	1906.43	11723.50	7120.94	1228.73	9005.36	-108.81	7108.73	171.58	41.60
8425.00†	7049.92	863.32	2006.42	11723.50	7120.94	1228.73	9005.36	-108.81	7008.83	171.58	41.02
8525.00†	7049.48	864.28	2106.42	11723.50	7120.94	1228.73	9005.36	-108.81	6908.93	171.57	40.43

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	7049.05	865.24	2206.41	11723.50	7120.94	1228.73	9005.36	-108.81	6809.04	171.57	39.85	
8725.00†	7048.61	866.20	2306.41	11723.50	7120.94	1228.73	9005.36	-108.81	6709.15	171.57	39.26	
8825.00†	7048.17	867.16	2406.40	11723.50	7120.94	1228.73	9005.36	-108.81	6609.26	171.57	38.68	
8925.00†	7047.74	868.12	2506.40	11723.50	7120.94	1228.73	9005.36	-108.81	6509.37	171.57	38.09	
9025.00†	7047.30	869.08	2606.39	11723.50	7120.94	1228.73	9005.36	-108.81	6409.49	171.58	37.51	
9125.00†	7046.86	870.04	2706.38	11723.50	7120.94	1228.73	9005.36	-108.81	6309.62	171.59	36.92	
9225.00†	7046.43	871.00	2806.38	11723.50	7120.94	1228.73	9005.36	-108.81	6209.74	171.60	36.33	
9325.00†	7045.99	871.96	2906.37	11723.50	7120.94	1228.73	9005.36	-108.81	6109.87	171.61	35.75	
9425.00†	7045.56	872.92	3006.37	11723.50	7120.94	1228.73	9005.36	-108.81	6010.01	171.63	35.16	
9525.00†	7045.12	873.88	3106.36	11723.50	7120.94	1228.73	9005.36	-108.81	5910.15	171.64	34.57	
9625.00†	7044.68	874.84	3206.36	11723.50	7120.94	1228.73	9005.36	-108.81	5810.29	171.67	33.98	
9725.00†	7044.25	875.80	3306.35	11723.50	7120.94	1228.73	9005.36	-108.81	5710.44	171.69	33.39	
9825.00†	7043.81	876.76	3406.35	11723.50	7120.94	1228.73	9005.36	-108.81	5610.60	171.72	32.80	
9925.00†	7043.37	877.72	3506.34	11723.50	7120.94	1228.73	9005.36	-108.81	5510.76	171.75	32.21	
10025.00†	7042.94	878.68	3606.33	11723.50	7120.94	1228.73	9005.36	-108.81	5410.93	171.79	31.62	
10125.00†	7042.50	879.64	3706.33	11723.50	7120.94	1228.73	9005.36	-108.81	5311.10	171.83	31.03	
10225.00†	7042.07	880.60	3806.32	11723.50	7120.94	1228.73	9005.36	-108.81	5211.28	171.87	30.44	
10325.00†	7041.63	881.56	3906.32	11723.50	7120.94	1228.73	9005.36	-108.81	5111.46	171.92	29.85	
10425.00†	7041.19	882.52	4006.31	11723.50	7120.94	1228.73	9005.36	-108.81	5011.66	171.98	29.26	
10525.00†	7040.76	883.48	4106.31	11723.50	7120.94	1228.73	9005.36	-108.81	4911.86	172.04	28.66	
10625.00†	7040.32	884.44	4206.30	11723.50	7120.94	1228.73	9005.36	-108.81	4812.07	172.11	28.07	
10725.00†	7039.88	885.40	4306.30	11723.50	7120.94	1228.73	9005.36	-108.81	4712.29	172.19	27.48	
10825.00†	7039.45	886.36	4406.29	11723.50	7120.94	1228.73	9005.36	-108.81	4612.52	172.27	26.88	
10925.00†	7039.01	887.32	4506.28	11723.50	7120.94	1228.73	9005.36	-108.81	4512.76	172.37	26.28	
11025.00†	7038.57	888.28	4606.28	11723.50	7120.94	1228.73	9005.36	-108.81	4413.01	172.47	25.69	
11125.00†	7038.14	889.24	4706.27	11723.50	7120.94	1228.73	9005.36	-108.81	4313.27	172.59	25.09	
11225.00†	7037.70	890.20	4806.27	11723.50	7120.94	1228.73	9005.36	-108.81	4213.54	172.71	24.49	
11325.00†	7037.27	891.16	4906.26	11723.50	7120.94	1228.73	9005.36	-108.81	4113.83	172.85	23.89	
11425.00†	7036.83	892.12	5006.26	11723.50	7120.94	1228.73	9005.36	-108.81	4014.13	173.01	23.29	
11525.00†	7036.39	893.08	5106.25	11723.50	7120.94	1228.73	9005.36	-108.81	3914.44	173.18	22.69	
11625.00†	7035.96	894.04	5206.25	11723.50	7120.94	1228.73	9005.36	-108.81	3814.78	173.37	22.09	
11725.00†	7035.52	895.00	5306.24	11723.50	7120.94	1228.73	9005.36	-108.81	3715.13	173.58	21.49	
11825.00†	7035.08	895.96	5406.23	11723.50	7120.94	1228.73	9005.36	-108.81	3615.50	173.82	20.88	
11925.00†	7034.65	896.92	5506.23	11723.50	7120.94	1228.73	9005.36	-108.81	3515.89	174.08	20.28	
12025.00†	7034.21	897.88	5606.22	11723.50	7120.94	1228.73	9005.36	-108.81	3416.30	174.37	19.67	
12125.00†	7033.78	898.84	5706.22	11723.50	7120.94	1228.73	9005.36	-108.81	3316.74	174.69	19.06	
12225.00†	7033.34	899.80	5806.21	11723.50	7120.94	1228.73	9005.36	-108.81	3217.21	175.05	18.45	
12325.00†	7032.90	900.76	5906.21	11723.50	7120.94	1228.73	9005.36	-108.81	3117.70	175.45	17.84	
12425.00†	7032.47	901.72	6006.20	11723.50	7120.94	1228.73	9005.36	-108.81	3018.23	175.90	17.22	
12525.00†	7032.03	902.68	6106.20	11723.50	7120.94	1228.73	9005.36	-108.81	2918.80	176.41	16.61	
12625.00†	7031.59	903.64	6206.19	11723.50	7120.94	1228.73	9005.36	-108.81	2819.40	176.97	15.99	
12725.00†	7031.16	904.60	6306.18	11723.50	7120.94	1228.73	9005.36	-108.81	2720.05	177.60	15.37	
12789.77	7030.87	905.22	6370.95	11723.50	7120.94	1228.73	9005.36	-108.81	2655.73	178.06	14.97	
12825.00†	7030.72	905.34	6406.18	11723.50	7120.94	1228.73	9005.36	-107.08	2620.78	178.33	14.75	
12913.21	7030.34	903.76	6494.37	11723.50	7120.94	1228.73	9005.36	-103.93	2533.55	179.20	14.19	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	11723.50	7120.94	1228.73	9005.36	-103.93	2521.93	179.34	14.11	
13025.00†	7029.85	900.00	6606.10	11723.50	7120.94	1228.73	9005.36	-103.93	2423.39	180.59	13.47	
13125.00†	7029.42	896.65	6706.04	11723.50	7120.94	1228.73	9005.36	-103.93	2324.98	182.04	12.82	
13225.00†	7028.99	893.31	6805.98	11723.50	7120.94	1228.73	9005.36	-103.93	2226.71	183.71	12.16	
13325.00†	7028.55	889.96	6905.93	11723.50	7120.94	1228.73	9005.36	-103.93	2128.60	185.62	11.51	
13425.00†	7028.12	886.61	7005.87	11723.50	7120.94	1228.73	9005.36	-103.93	2030.67	187.82	10.85	
13525.00†	7027.68	883.26	7105.81	11723.50	7120.94	1228.73	9005.36	-103.93	1932.96	190.35	10.19	
13625.00†	7027.25	879.91	7205.76	11723.50	7120.94	1228.73	9005.36	-103.93	1835.49	193.26	9.53	
13725.00†	7026.82	876.56	7305.70	11723.50	7120.94	1228.73	9005.36	-103.93	1738.31	196.61	8.87	
13825.00†	7026.38	873.22	7405.64	11723.50	7120.94	1228.73	9005.36	-103.93	1641.47	200.47	8.21	
13925.00†	7025.95	869.87	7505.58	11723.50	7120.94	1228.73	9005.36	-103.93	1545.04	204.93	7.56	
14025.00†	7025.52	866.52	7605.53	11723.50	7120.94	1228.73	9005.36	-103.93	1449.08	210.09	6.92	
14125.00†	7025.08	863.17	7705.47	11723.50	7120.94	1228.73	9005.36	-103.93	1353.71	216.08	6.28	
14225.00†	7024.65	859.82	7805.41	11723.50	7120.94	1228.73	9005.36	-103.93	1259.06	223.06	5.66	
14325.00†	7024.22	856.47	7905.36	11723.50	7120.94	1228.73	9005.36	-103.93	1165.31	231.22	5.05	
14425.00†	7023.78	853.13	8005.30	11723.50	7120.94	1228.73	9005.36	-103.93	1072.68	240.80	4.46	
14525.00†	7023.35	849.78	8105.24	11723.50	7120.94	1228.73	9005.36	-103.93	981.50	252.08	3.90	
14625.00†	7022.92	846.43	8205.19	11723.50	7120.94	1228.73	9005.36	-103.93	892.21	265.43	3.37	
14725.00†	7022.48	843.08	8305.13	11723.50	7120.94	1228.73	9005.36	-103.93	805.45	281.24	2.87	
14825.00†	7022.05	839.73	8405.07	11723.50	7120.94	1228.73	9005.36	-103.93	722.11	299.91	2.41	
14836.05	7022.00	839.36	8416.11	11723.50	7120.94	1228.73	9005.36	-103.93	713.17	302.16	2.36	

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
Facility Surface Uncertainty @1SD		Horizontal	8.200ft

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	Wellbore
0.00	11723.50	ISCWSA MWD, Rev. 4 (Standard)	PLANNED WELLBORE INTERPOLATIONS FROM SRC (200-11723.5)

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-119.93	-90.00	119.93	1.56	198.27	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-119.93	-90.00	119.93	1.88	129.61	PASS
225.00†	225.00	0.00	0.00	225.00	225.00	0.00	-119.93	-90.00	119.93	2.45	80.17	PASS
300.00	300.00	0.00	0.00	300.00	300.00	0.00	-119.93	-90.00	119.93	2.89	61.65	PASS
325.00†	325.00	0.10	0.05	325.24	325.24	0.11	-119.90	-119.34	119.96	3.04	57.26	PASS
425.00†	424.96	2.38	1.34	426.20	426.16	2.71	-119.29	-119.19	120.64	3.74	43.09	PASS
525.00†	524.77	7.70	4.33	527.14	526.90	8.76	-117.88	-118.84	122.23	4.62	33.15	PASS
625.00†	624.30	16.05	9.03	628.04	627.32	18.27	-115.65	-118.32	124.74	5.48	27.43	PASS
723.07	721.54	27.18	15.28	726.95	725.37	30.92	-112.69	-117.64	128.09	6.36	23.56	PASS
725.00†	723.44	27.43	15.42	728.89	727.29	31.20	-112.63	-117.63	128.16	6.38	23.49	PASS
825.00†	822.35	40.25	22.63	829.64	826.63	47.54	-108.80	-116.18	131.71	7.24	20.82	PASS
925.00†	921.27	53.08	29.85	930.09	925.02	67.20	-104.20	-113.33	134.84	8.22	18.45	PASS
1025.00†	1020.18	65.91	37.06	1029.99	1022.12	90.07	-98.85	-109.18	138.05	9.33	16.39	PASS
1125.00†	1119.09	78.73	44.27	1129.11	1117.58	116.01	-92.78	-103.90	142.04	10.61	14.63	PASS
1225.00†	1218.00	91.56	51.48	1227.21	1211.11	144.83	-86.03	-97.69	147.64	12.03	13.26	PASS
1325.00†	1316.91	104.38	58.69	1324.10	1302.43	176.34	-78.66	-90.89	155.74	13.53	12.32	PASS
1425.00†	1415.82	117.21	65.91	1419.58	1391.30	210.32	-70.71	-83.88	167.14	15.05	11.79	PASS
1525.00†	1514.73	130.03	73.12	1514.08	1478.09	246.70	-62.20	-77.02	182.38	16.44	11.72	PASS
1625.00†	1613.65	142.86	80.33	1610.25	1566.03	284.61	-53.32	-70.89	200.56	17.71	11.92	PASS
1725.00†	1712.56	155.69	87.54	1706.41	1653.96	322.51	-44.45	-65.80	220.65	18.85	12.28	PASS
1825.00†	1811.47	168.51	94.75	1802.58	1741.89	360.42	-35.58	-61.55	242.19	19.06	13.16	PASS
1925.00†	1910.38	181.34	101.97	1898.74	1829.83	398.32	-26.71	-58.00	264.82	18.95	14.48	PASS
2025.00†	2009.29	194.16	109.18	1994.91	1917.76	436.23	-17.84	-55.00	288.28	18.86	15.84	PASS
2125.00†	2108.20	206.99	116.39	2091.07	2005.70	474.13	-8.97	-52.45	312.39	18.89	17.15	PASS
2225.00†	2207.12	219.81	123.60	2187.24	2093.63	512.04	-0.10	-50.27	337.01	19.02	18.36	PASS
2325.00†	2306.03	232.64	130.81	2283.40	2181.56	549.94	8.77	-48.38	362.03	19.26	19.47	PASS
2425.00†	2404.94	245.47	138.02	2379.57	2269.50	587.85	17.64	-46.73	387.38	19.60	20.47	PASS
2525.00†	2503.85	258.29	145.24	2475.74	2357.43	625.75	26.51	-45.28	412.99	20.02	21.35	PASS
2625.00†	2602.76	271.12	152.45	2571.90	2445.36	663.65	35.38	-44.01	438.82	20.51	22.12	PASS
2725.00†	2701.67	283.94	159.66	2668.07	2533.30	701.56	44.25	-42.87	464.84	21.07	22.79	PASS
2825.00†	2800.58	296.77	166.87	2764.23	2621.23	739.46	53.12	-41.85	491.00	21.70	23.36	PASS
2925.00†	2899.50	309.59	174.08	2860.40	2709.17	777.37	61.99	-40.94	517.30	22.38	23.84	PASS
3025.00†	2998.41	322.42	181.30	2956.56	2797.10	815.27	70.86	-40.11	543.71	23.11	24.24	PASS
3125.00†	3097.32	335.25	188.51	3052.73	2885.03	853.18	79.73	-39.36	570.22	23.88	24.58	PASS
3225.00†	3196.23	348.07	195.72	3148.89	2972.97	891.08	88.60	-38.68	596.81	24.69	24.86	PASS
3325.00†	3295.14	360.90	202.93	3245.06	3060.90	928.99	97.47	-38.05	623.47	25.53	25.09	PASS
3425.00†	3394.05	373.72	210.14	3341.22	3148.84	966.89	106.34	-37.48	650.20	26.41	25.27	PASS
3525.00†	3492.97	386.55	217.36	3437.39	3236.77	1004.80	115.21	-36.95	676.98	27.31	25.42	PASS
3625.00†	3591.88	399.38	224.57	3533.56	3324.70	1042.70	124.08	-36.46	703.81	28.24	25.54	PASS
3725.00†	3690.79	412.20	231.78	3629.72	3412.64	1080.60	132.95	-36.01	730.68	29.19	25.63	PASS
3825.00†	3789.70	425.03	238.99	3725.89	3500.57	1118.51	141.82	-35.59	757.60	30.15	25.71	PASS
3925.00†	3888.61	437.85	246.20	3822.05	3588.50	1156.41	150.69	-35.20	784.55	31.14	25.76	PASS
4025.00†	3987.52	450.68	253.42	3918.22	3676.44	1194.32	159.56	-34.83	811.53	32.14	25.80	PASS
4125.00†	4086.43	463.50	260.63	4014.38	3764.37	1232.22	168.43	-34.49	838.54	33.15	25.82	PASS
4225.00†	4185.35	476.33	267.84	4110.55	3852.31	1270.13	177.30	-34.17	865.58	34.18	25.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	4206.71	3940.24	1308.03	186.17	-33.86	892.64	35.22	25.84	PASS	
4425.00†	4383.17	501.98	282.26	4302.88	4028.17	1345.94	195.04	-33.58	919.72	36.27	25.84	PASS	
4525.00†	4482.08	514.81	289.47	4399.04	4116.11	1383.84	203.91	-33.31	946.83	37.33	25.84	PASS	
4625.00†	4580.99	527.63	296.69	4495.21	4204.04	1421.75	212.79	-33.06	973.95	38.39	25.82	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1693.82	0.00	-73.11	103.54	-48.88
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1693.82	0.00	-73.11	103.54	-48.88
8.5in Open Hole	1750.00	15261.24	13511.24	1693.82	6953.00	103.54	-48.88	793.61	2534.01

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-23B-M PWB
1750.00	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	260.12	1.56	431.93	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-260.12	0.00	180.00	260.12	1.89	280.20	PASS	
225.00†	225.00	0.00	0.00	223.64	223.64	-260.18	-0.08	-179.98	260.19	2.45	174.25	PASS	
300.00	300.00	0.00	0.00	294.53	294.51	-261.11	-1.21	-179.74	261.17	3.00	127.96	PASS	
325.00†	325.00	0.10	0.05	318.13	318.09	-261.66	-1.88	151.07	261.86	3.18	117.48	PASS	
425.00†	424.96	2.38	1.34	412.15	411.96	-265.10	-6.07	152.16	267.89	4.36	78.53	PASS	
525.00†	524.77	7.70	4.33	505.11	504.53	-270.41	-12.56	153.91	279.35	5.82	57.30	PASS	
625.00†	624.30	16.05	9.03	596.41	595.15	-277.47	-21.18	156.13	296.51	7.09	48.22	PASS	
723.07	721.54	27.18	15.28	683.83	681.53	-285.95	-31.53	158.55	319.13	8.25	43.65	PASS	
725.00†	723.44	27.43	15.42	685.52	683.20	-286.13	-31.75	158.60	319.63	8.28	43.53	PASS	
825.00†	822.35	40.25	22.63	772.51	768.71	-296.25	-44.11	161.26	347.23	9.05	42.81	PASS	
925.00†	921.27	53.08	29.85	865.22	859.48	-308.18	-58.67	163.86	377.04	9.70	43.07	PASS	
1025.00†	1020.18	65.91	37.06	959.27	951.57	-320.30	-73.47	166.13	407.53	10.35	43.33	PASS	
1125.00†	1119.09	78.73	44.27	1053.33	1043.66	-332.42	-88.27	168.09	438.52	10.65	45.16	PASS	
1225.00†	1218.00	91.56	51.48	1147.38	1135.75	-344.54	-103.08	169.79	469.93	11.53	44.38	PASS	
1325.00†	1316.91	104.38	58.69	1241.44	1227.84	-356.67	-117.88	171.28	501.68	12.16	44.73	PASS	
1425.00†	1415.82	117.21	65.91	1335.49	1319.93	-368.79	-132.68	172.60	533.69	12.78	45.09	PASS	
1525.00†	1514.73	130.03	73.12	1429.55	1412.02	-380.91	-147.48	173.77	565.93	13.40	45.43	PASS	
1625.00†	1613.65	142.86	80.33	1523.60	1504.10	-393.04	-162.28	174.81	598.37	14.03	45.72	PASS	
1725.00†	1712.56	155.69	87.54	1617.66	1596.19	-405.16	-177.08	175.75	630.96	14.66	45.99	PASS	
1825.00†	1811.47	168.51	94.75	1711.72	1688.28	-417.28	-191.89	176.59	663.69	14.97	46.62	PASS	
1925.00†	1910.38	181.34	101.97	1805.77	1780.37	-429.40	-206.69	177.36	696.54	15.17	48.11	PASS	
2025.00†	2009.29	194.16	109.18	1899.83	1872.46	-441.53	-221.49	178.06	729.50	15.31	49.90	PASS	
2125.00†	2108.20	206.99	116.39	1993.88	1964.55	-453.65	-236.29	178.70	762.54	15.49	51.53	PASS	
2225.00†	2207.12	219.81	123.60	2087.94	2056.64	-465.77	-251.09	179.28	795.65	15.75	52.85	PASS	
2325.00†	2306.03	232.64	130.81	2181.99	2148.73	-477.89	-265.89	179.82	828.84	16.07	53.90	PASS	
2425.00†	2404.94	245.47	138.02	2276.05	2240.82	-490.02	-280.69	-179.68	862.09	16.46	54.67	PASS	
2525.00†	2503.85	258.29	145.24	2370.10	2332.91	-502.14	-295.50	-179.22	895.39	16.92	55.20	PASS	
2625.00†	2602.76	271.12	152.45	2464.16	2425.00	-514.26	-310.30	-178.80	928.74	17.42	55.52	PASS	
2725.00†	2701.67	283.94	159.66	2558.21	2517.08	-526.39	-325.10	-178.40	962.13	17.98	55.67	PASS	
2825.00†	2800.58	296.77	166.87	2652.27	2609.17	-538.51	-339.90	-178.03	995.56	18.58	55.66	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	0.00	-207.98	-60.32
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1725.77	-158.57	0.00	-207.98	-60.32
8.5in Open Hole	1750.00	16421.92	14671.92	1725.77	6858.00	-207.98	-60.32	-421.26	2683.24

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14535.87	7153.97	1924.24	-22.71	-0.68	7384.13	138.39	53.71	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	752.29	-4982.68	760.00	-4975.92
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1744.45	752.29	-4982.68	760.00	-4975.92
8.5in Open Hole	1761.00	15425.00	13664.00	1744.45	7171.69	760.00	-4975.92	968.61	-2227.39

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2090.73	3751.96	60.87	4295.16	25.57	174.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-134.95	-90.00	134.95	1.56	223.32	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-134.95	-90.00	134.95	1.88	145.99	PASS
225.00†	225.00	0.00	0.00	225.26	225.26	0.11	-134.93	-89.95	134.93	2.44	90.61	PASS
300.00	300.00	0.00	0.00	300.99	300.97	1.74	-134.57	-89.26	134.58	2.90	68.89	PASS
325.00†	325.00	0.10	0.05	326.21	326.17	2.71	-134.35	-118.24	134.44	3.06	63.79	PASS
368.76†	368.75	0.72	0.40	370.36	370.26	4.94	-133.86	-117.55	134.34	3.38	55.30	PASS
425.00†	424.96	2.38	1.34	427.01	426.77	8.78	-133.01	-116.63	134.51	3.78	47.41	PASS
525.00†	524.77	7.70	4.33	527.66	526.94	18.27	-130.91	-114.88	135.66	4.62	36.83	PASS
625.00†	624.30	16.05	9.03	628.14	626.54	31.18	-128.05	-113.02	137.92	5.47	30.37	PASS
723.07	721.54	27.18	15.28	726.50	723.54	47.10	-124.52	-111.14	141.23	6.40	25.81	PASS
725.00†	723.44	27.43	15.42	728.43	725.44	47.45	-124.44	-111.10	141.30	6.42	25.73	PASS
825.00†	822.35	40.25	22.63	828.44	823.41	67.03	-120.11	-108.59	145.23	7.42	22.35	PASS
925.00†	921.27	53.08	29.85	927.90	920.09	89.80	-115.06	-104.91	149.49	8.57	19.53	PASS
1025.00†	1020.18	65.91	37.06	1026.59	1015.17	115.62	-109.34	-100.21	154.69	9.87	17.27	PASS
1125.00†	1119.09	78.73	44.27	1124.28	1108.33	144.32	-102.98	-94.72	161.56	11.29	15.55	PASS
1225.00†	1218.00	91.56	51.48	1220.77	1199.31	175.68	-96.03	-88.73	170.84	12.79	14.37	PASS
1325.00†	1316.91	104.38	58.69	1315.86	1287.86	209.50	-88.54	-82.55	183.23	14.32	13.65	PASS
1425.00†	1415.82	117.21	65.91	1409.37	1373.77	245.55	-80.56	-76.48	199.23	15.71	13.45	PASS
1525.00†	1514.73	130.03	73.12	1503.40	1459.09	284.13	-72.01	-70.72	218.87	17.00	13.59	PASS
1625.00†	1613.65	142.86	80.33	1598.97	1545.67	323.64	-63.26	-65.76	240.66	18.18	13.92	PASS
1725.00†	1712.56	155.69	87.54	1694.54	1632.26	363.14	-54.51	-61.62	263.94	19.25	14.38	PASS
1825.00†	1811.47	168.51	94.75	1790.12	1718.84	402.65	-45.75	-58.15	288.35	19.49	15.32	PASS
1925.00†	1910.38	181.34	101.97	1885.69	1805.42	442.16	-37.00	-55.21	313.62	19.42	16.72	PASS
2025.00†	2009.29	194.16	109.18	1981.26	1892.00	481.66	-28.25	-52.71	339.56	19.32	18.20	PASS
2125.00†	2108.20	206.99	116.39	2076.83	1978.58	521.17	-19.50	-50.56	366.03	19.34	19.60	PASS
2225.00†	2207.12	219.81	123.60	2172.40	2065.17	560.67	-10.75	-48.70	392.92	19.47	20.90	PASS
2325.00†	2306.03	232.64	130.81	2267.97	2151.75	600.18	-1.99	-47.08	420.15	19.70	22.09	PASS
2425.00†	2404.94	245.47	138.02	2363.54	2238.33	639.69	6.76	-45.65	447.66	20.02	23.15	PASS
2525.00†	2503.85	258.29	145.24	2459.11	2324.91	679.19	15.51	-44.38	475.40	20.42	24.08	PASS
2625.00†	2602.76	271.12	152.45	2554.68	2411.49	718.70	24.26	-43.26	503.33	20.90	24.89	PASS
2725.00†	2701.67	283.94	159.66	2650.25	2498.07	758.21	33.01	-42.25	531.43	21.45	25.58	PASS
2825.00†	2800.58	296.77	166.87	2745.82	2584.66	797.71	41.77	-41.34	559.66	22.06	26.17	PASS
2925.00†	2899.50	309.59	174.08	2841.39	2671.24	837.22	50.52	-40.52	588.01	22.73	26.67	PASS
3025.00†	2998.41	322.42	181.30	2936.96	2757.82	876.72	59.27	-39.78	616.46	23.45	27.08	PASS
3125.00†	3097.32	335.25	188.51	3032.53	2844.40	916.23	68.02	-39.10	645.00	24.21	27.42	PASS
3225.00†	3196.23	348.07	195.72	3128.10	2930.98	955.74	76.77	-38.47	673.62	25.01	27.69	PASS
3325.00†	3295.14	360.90	202.93	3223.68	3017.56	995.24	85.53	-37.90	702.30	25.84	27.91	PASS
3425.00†	3394.05	373.72	210.14	3319.25	3104.15	1034.75	94.28	-37.37	731.05	26.71	28.09	PASS
3525.00†	3492.97	386.55	217.36	3414.82	3190.73	1074.26	103.03	-36.89	759.84	27.61	28.22	PASS
3625.00†	3591.88	399.38	224.57	3510.39	3277.31	1113.76	111.78	-36.43	788.68	28.53	28.33	PASS
3725.00†	3690.79	412.20	231.78	3605.96	3363.89	1153.27	120.53	-36.01	817.57	29.47	28.40	PASS
3825.00†	3789.70	425.03	238.99	3701.53	3450.47	1192.78	129.29	-35.62	846.49	30.43	28.45	PASS
3925.00†	3888.61	437.85	246.20	3797.10	3537.06	1232.28	138.04	-35.26	875.45	31.41	28.49	PASS
4025.00†	3987.52	450.68	253.42	3892.67	3623.64	1271.79	146.79	-34.91	904.44	32.41	28.51	PASS
4125.00†	4086.43	463.50	260.63	3988.24	3710.22	1311.29	155.54	-34.59	933.45	33.42	28.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4225.00†	4185.35	476.33	267.84	4083.81	3796.80	1350.80	164.29	-34.29	962.49	34.45	28.51	PASS	
4325.00†	4284.26	489.16	275.05	4179.38	3883.38	1390.31	173.05	-34.01	991.55	35.48	28.49	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1682.50	0.00	-82.27	117.67	-56.20
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1682.50	0.00	-82.27	117.67	-56.20
8.5in Open Hole	1750.00	15411.27	13661.27	1682.50	7024.00	117.67	-56.20	859.46	2530.00

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 1N-23C-M PWB
1750.00	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#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	0.00	180.00	280.16	1.56	465.33	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-280.16	0.00	180.00	280.16	1.89	301.59	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-280.16	0.00	180.00	280.16	2.46	186.30	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-280.16	0.00	180.00	280.16	2.91	143.48	PASS	
325.00†	325.00	0.10	0.05	323.37	323.37	-280.23	-0.07	150.67	280.33	3.05	133.62	PASS	
425.00†	424.96	2.38	1.34	416.66	416.63	-281.85	-1.67	151.20	284.36	4.01	92.91	PASS	
525.00†	524.77	7.70	4.33	509.18	509.00	-285.59	-5.36	152.36	293.88	5.52	64.29	PASS	
625.00†	624.30	16.05	9.03	600.34	599.79	-291.36	-11.04	154.01	309.04	6.81	52.69	PASS	
723.07	721.54	27.18	15.28	687.87	686.69	-298.83	-18.41	155.95	329.59	7.96	46.94	PASS	
725.00†	723.44	27.43	15.42	689.57	688.37	-298.99	-18.57	156.00	330.05	7.99	46.81	PASS	
825.00†	822.35	40.25	22.63	776.90	774.70	-308.36	-27.81	158.25	355.45	8.79	45.31	PASS	
925.00†	921.27	53.08	29.85	862.55	858.94	-319.36	-38.66	160.41	383.78	9.57	44.46	PASS	
1025.00†	1020.18	65.91	37.06	946.51	941.03	-331.88	-51.00	162.46	415.03	10.31	44.28	PASS	
1125.00†	1119.09	78.73	44.27	1039.74	1031.91	-346.72	-65.64	164.53	447.99	10.89	45.04	PASS	
1225.00†	1218.00	91.56	51.48	1132.97	1122.78	-361.56	-80.28	166.32	481.40	11.51	45.57	PASS	
1325.00†	1316.91	104.38	58.69	1226.21	1213.66	-376.40	-94.91	167.88	515.18	12.11	46.12	PASS	
1425.00†	1415.82	117.21	65.91	1319.44	1304.53	-391.24	-109.55	169.25	549.27	12.70	46.71	PASS	
1525.00†	1514.73	130.03	73.12	1412.68	1395.41	-406.09	-124.18	170.46	583.60	13.33	47.11	PASS	
1625.00†	1613.65	142.86	80.33	1505.91	1486.28	-420.93	-138.82	171.54	618.14	13.95	47.53	PASS	
1725.00†	1712.56	155.69	87.54	1599.15	1577.16	-435.77	-153.45	172.51	652.86	14.57	47.91	PASS	
1825.00†	1811.47	168.51	94.75	1692.38	1668.03	-450.61	-168.09	173.38	687.73	14.87	48.66	PASS	
1925.00†	1910.38	181.34	101.97	1785.62	1758.90	-465.45	-182.72	174.16	722.72	15.10	50.16	PASS	
2025.00†	2009.29	194.16	109.18	1878.85	1849.78	-480.29	-197.36	174.88	757.82	15.28	51.97	PASS	
2125.00†	2108.20	206.99	116.39	1972.08	1940.65	-495.13	-211.99	175.53	793.02	15.45	53.74	PASS	
2225.00†	2207.12	219.81	123.60	2065.32	2031.53	-509.97	-226.63	176.12	828.30	15.70	55.20	PASS	
2325.00†	2306.03	232.64	130.81	2158.55	2122.40	-524.81	-241.26	176.67	863.65	16.02	56.36	PASS	
2425.00†	2404.94	245.47	138.02	2251.79	2213.28	-539.65	-255.90	177.17	899.07	16.40	57.23	PASS	
2525.00†	2503.85	258.29	145.24	2345.02	2304.15	-554.49	-270.53	177.64	934.54	16.85	57.85	PASS	
2625.00†	2602.76	271.12	152.45	2438.26	2395.03	-569.33	-285.17	178.07	970.06	17.35	58.24	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	0.00	-225.53	-53.99
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1724.19	-170.78	0.00	-225.53	-53.99
8.5in Open Hole	1750.00	16568.66	14818.66	1724.19	N/A	-225.53	-53.99	N/A	N/A

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 8N-26B-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 8N-26B-L PWB
1750.00	16568.66	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 8N-26B-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 8N-26B-L PWB Offset Wellpath: TROUDT 8N-26B-L PWP (REV-A.0)

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14475.10	7062.41	2154.07	24.28	0.65	7359.74	146.79	50.45	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	800.97	-4982.66	814.25	-4969.94
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1741.89	800.97	-4982.66	813.89	-4970.33
8.5in Open Hole	1771.00	15315.00	13544.00	1751.74	7066.37	814.25	-4969.94	1054.80	-2227.82

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-149.98	-90.00		149.98	1.56	248.36	PASS
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-149.98	-90.00		149.98	1.88	162.37	PASS
225.00†	225.00	0.00	0.00	225.00	225.00	0.00	-149.98	-90.00		149.98	2.45	100.43	PASS
300.00	300.00	0.00	0.00	300.00	300.00	0.00	-149.98	-90.00		149.98	2.89	77.23	PASS
325.00†	325.00	0.10	0.05	325.27	325.27	0.11	-149.96	-119.34		150.01	3.04	71.73	PASS
425.00†	424.96	2.38	1.34	426.36	426.32	2.73	-149.41	-119.21		150.75	3.74	53.98	PASS
525.00†	524.77	7.70	4.33	527.42	527.18	8.83	-148.12	-118.91		152.47	4.61	41.51	PASS
625.00†	624.30	16.05	9.03	628.44	627.72	18.40	-146.10	-118.45		155.18	5.47	34.24	PASS
723.07	721.54	27.18	15.28	727.45	725.87	31.15	-143.42	-117.86		158.81	6.35	29.28	PASS
725.00†	723.44	27.43	15.42	729.40	727.80	31.43	-143.36	-117.85		158.89	6.37	29.19	PASS
825.00†	822.35	40.25	22.63	830.25	827.23	47.88	-139.89	-116.64		162.78	7.25	25.75	PASS
925.00†	921.27	53.08	29.85	930.79	925.71	67.68	-135.72	-114.28		166.27	8.23	22.74	PASS
1025.00†	1020.18	65.91	37.06	1030.78	1022.88	90.71	-130.87	-110.86		169.77	9.35	20.14	PASS
1125.00†	1119.09	78.73	44.27	1129.97	1118.40	116.82	-125.36	-106.49		173.86	10.62	17.90	PASS
1225.00†	1218.00	91.56	51.48	1228.14	1211.99	145.84	-119.25	-101.31		179.25	12.03	16.11	PASS
1325.00†	1316.91	104.38	58.69	1325.08	1303.35	177.55	-112.57	-95.54		186.73	13.53	14.78	PASS
1425.00†	1415.82	117.21	65.91	1420.60	1392.24	211.74	-105.36	-89.43		197.04	15.09	13.88	PASS
1525.00†	1514.73	130.03	73.12	1514.52	1478.46	248.16	-97.69	-83.28		210.82	16.58	13.44	PASS
1625.00†	1613.65	142.86	80.33	1606.68	1561.84	286.58	-89.59	-77.33		228.50	17.98	13.37	PASS
1725.00†	1712.56	155.69	87.54	1699.92	1645.16	327.55	-80.96	-71.71		249.94	19.24	13.62	PASS
1825.00†	1811.47	168.51	94.75	1794.54	1729.61	369.29	-72.16	-66.86		273.63	19.54	14.49	PASS
1925.00†	1910.38	181.34	101.97	1889.15	1814.06	411.04	-63.37	-62.78		298.96	19.45	15.91	PASS
2025.00†	2009.29	194.16	109.18	1983.77	1898.51	452.78	-54.57	-59.32		325.53	19.32	17.45	PASS
2125.00†	2108.20	206.99	116.39	2078.38	1982.96	494.53	-45.77	-56.38		353.08	19.32	18.94	PASS
2225.00†	2207.12	219.81	123.60	2173.00	2067.41	536.27	-36.98	-53.85		381.38	19.42	20.34	PASS
2325.00†	2306.03	232.64	130.81	2267.61	2151.86	578.02	-28.18	-51.67		410.28	19.64	21.64	PASS
2425.00†	2404.94	245.47	138.02	2362.23	2236.31	619.77	-19.38	-49.78		439.67	19.95	22.81	PASS
2525.00†	2503.85	258.29	145.24	2456.84	2320.76	661.51	-10.59	-48.11		469.46	20.35	23.86	PASS
2625.00†	2602.76	271.12	152.45	2551.46	2405.21	703.26	-1.79	-46.65		499.56	20.83	24.79	PASS
2725.00†	2701.67	283.94	159.66	2646.08	2489.66	745.00	7.01	-45.35		529.93	21.39	25.59	PASS
2825.00†	2800.58	296.77	166.87	2740.69	2574.11	786.75	15.80	-44.19		560.53	22.01	26.28	PASS
2925.00†	2899.50	309.59	174.08	2835.31	2658.57	828.49	24.60	-43.15		591.31	22.68	26.88	PASS
3025.00†	2998.41	322.42	181.30	2929.92	2743.02	870.24	33.40	-42.21		622.26	23.41	27.38	PASS
3125.00†	3097.32	335.25	188.51	3024.54	2827.47	911.99	42.19	-41.36		653.34	24.18	27.80	PASS
3225.00†	3196.23	348.07	195.72	3119.15	2911.92	953.73	50.99	-40.58		684.55	24.99	28.16	PASS
3325.00†	3295.14	360.90	202.93	3213.77	2996.37	995.48	59.79	-39.88		715.85	25.84	28.45	PASS
3425.00†	3394.05	373.72	210.14	3308.38	3080.82	1037.22	68.58	-39.23		747.25	26.72	28.70	PASS
3525.00†	3492.97	386.55	217.36	3403.00	3165.27	1078.97	77.38	-38.63		778.73	27.63	28.90	PASS
3625.00†	3591.88	399.38	224.57	3497.61	3249.72	1120.71	86.18	-38.08		810.28	28.57	29.06	PASS
3725.00†	3690.79	412.20	231.78	3592.23	3334.17	1162.46	94.97	-37.57		841.89	29.52	29.20	PASS
3825.00†	3789.70	425.03	238.99	3686.84	3418.62	1204.20	103.77	-37.10		873.56	30.50	29.30	PASS
3925.00†	3888.61	437.85	246.20	3781.46	3503.07	1245.95	112.57	-36.66		905.27	31.49	29.39	PASS
4025.00†	3987.52	450.68	253.42	3876.07	3587.52	1287.70	121.36	-36.25		937.04	32.50	29.45	PASS
4125.00†	4086.43	463.50	260.63	3970.69	3671.98	1329.44	130.16	-35.87		968.84	33.52	29.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1750.00	1725.00	25.00	1689.85	0.00	-91.43	106.57	-68.97
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1689.85	0.00	-91.43	106.57	-68.97
8.5in Open Hole	1750.00	15618.37	13868.37	1689.85	7127.00	106.57	-68.97	927.64	2526.16

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

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

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

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	299.83	1.56	498.11	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-299.83	0.00	180.00	299.83	1.89	322.59	PASS	
225.00†	225.00	0.00	0.00	223.13	223.13	-299.90	-0.06	-179.99	299.91	2.45	200.72	PASS	
300.00	300.00	0.00	0.00	292.49	292.47	-300.99	-0.95	-179.82	301.08	3.04	144.68	PASS	
325.00†	325.00	0.10	0.05	315.58	315.55	-301.63	-1.48	150.93	301.88	3.24	132.26	PASS	
425.00†	424.96	2.38	1.34	407.59	407.41	-305.64	-4.77	151.70	308.58	4.50	86.95	PASS	
525.00†	524.77	7.70	4.33	498.55	498.01	-311.84	-9.87	152.95	320.97	6.00	63.55	PASS	
625.00†	624.30	16.05	9.03	587.89	586.71	-320.09	-16.65	154.57	339.21	7.26	53.69	PASS	
723.07	721.54	27.18	15.28	673.43	671.27	-329.98	-24.78	156.35	362.90	8.39	48.71	PASS	
725.00†	723.44	27.43	15.42	675.08	672.91	-330.19	-24.96	156.39	363.43	8.42	48.58	PASS	
825.00†	822.35	40.25	22.63	760.21	756.65	-342.01	-34.67	158.44	392.08	9.24	47.27	PASS	
925.00†	921.27	53.08	29.85	843.58	838.18	-355.45	-45.71	160.37	423.68	9.93	47.14	PASS	
1025.00†	1020.18	65.91	37.06	931.33	923.51	-371.23	-58.69	162.27	457.82	10.56	47.61	PASS	
1125.00†	1119.09	78.73	44.27	1024.04	1013.61	-388.12	-72.56	164.03	492.67	11.13	48.37	PASS	
1225.00†	1218.00	91.56	51.48	1116.75	1103.71	-405.00	-86.44	165.56	527.88	11.69	49.11	PASS	
1325.00†	1316.91	104.38	58.69	1209.45	1193.80	-421.88	-100.32	166.90	563.38	12.25	49.84	PASS	
1425.00†	1415.82	117.21	65.91	1302.16	1283.90	-438.77	-114.20	168.08	599.12	12.88	50.19	PASS	
1525.00†	1514.73	130.03	73.12	1394.87	1374.00	-455.65	-128.07	169.13	635.07	13.48	50.66	PASS	
1625.00†	1613.65	142.86	80.33	1487.58	1464.09	-472.53	-141.95	170.07	671.18	14.09	51.07	PASS	
1725.00†	1712.56	155.69	87.54	1580.29	1554.19	-489.42	-155.83	170.92	707.44	14.70	51.43	PASS	
1825.00†	1811.47	168.51	94.75	1673.00	1644.28	-506.30	-169.70	171.68	743.81	14.99	52.18	PASS	
1925.00†	1910.38	181.34	101.97	1765.71	1734.38	-523.18	-183.58	172.37	780.30	15.25	53.59	PASS	
2025.00†	2009.29	194.16	109.18	1858.42	1824.48	-540.07	-197.46	173.00	816.87	15.46	55.34	PASS	
2125.00†	2108.20	206.99	116.39	1951.13	1914.57	-556.95	-211.33	173.58	853.52	15.62	57.19	PASS	
2225.00†	2207.12	219.81	123.60	2043.83	2004.67	-573.83	-225.21	174.11	890.24	15.86	58.71	PASS	
2325.00†	2306.03	232.64	130.81	2136.54	2094.76	-590.72	-239.09	174.60	927.02	16.17	59.92	PASS	
2425.00†	2404.94	245.47	138.02	2229.25	2184.86	-607.60	-252.96	175.05	963.86	16.54	60.84	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	0.00	-249.98	-55.24
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1719.11	-182.78	0.00	-249.98	-55.24
8.5in Open Hole	1750.00	16774.69	15024.69	1719.11	N/A	-249.98	-55.24	N/A	N/A

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 40C-26-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40C-26-L PWB
1750.00	16774.69	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40C-26-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40C-26-L PWB Offset Wellpath: TROUDT 40C-26-L PWP (REV-A.0)

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	43.19	14.19	4011.21	-2032.34	-26.87	4496.70	50.33	91.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1776.00	1751.00	-4.00	1745.35	2445.27	-1238.81	2435.49	-1243.72

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: EX. KINDSFATER 24E-223 AWP 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	1225.23	9183.08	82.40	11575.55	132.80	87.79	PASS	
125.00†	125.00	0.00	0.00	11556.00	6964.96	1225.23	9183.08	82.40	11515.87	133.34	86.99	PASS	
225.00†	225.00	0.00	0.00	11556.00	6964.96	1225.23	9183.08	82.40	11456.76	133.77	86.26	PASS	
300.00	300.00	0.00	0.00	11556.00	6964.96	1225.23	9183.08	82.40	11412.80	134.10	85.71	PASS	
325.00†	325.00	0.10	0.05	11556.00	6964.96	1225.23	9183.08	53.34	11398.16	134.21	85.53	PASS	
425.00†	424.96	2.38	1.34	11556.00	6964.96	1225.23	9183.08	54.53	11338.93	134.66	84.80	PASS	
525.00†	524.77	7.70	4.33	11556.00	6964.96	1225.23	9183.08	55.77	11278.65	135.13	84.05	PASS	
625.00†	624.30	16.05	9.03	11556.00	6964.96	1225.23	9183.08	57.06	11217.37	135.61	83.30	PASS	
723.07	721.54	27.18	15.28	11556.00	6964.96	1225.23	9183.08	58.38	11156.35	136.08	82.56	PASS	
725.00†	723.44	27.43	15.42	11556.00	6964.96	1225.23	9183.08	58.38	11155.15	136.09	82.55	PASS	
825.00†	822.35	40.25	22.63	11556.00	6964.96	1225.23	9183.08	58.38	11092.77	136.56	81.80	PASS	
925.00†	921.27	53.08	29.85	11556.00	6964.96	1225.23	9183.08	58.38	11030.95	137.04	81.06	PASS	
1025.00†	1020.18	65.91	37.06	11556.00	6964.96	1225.23	9183.08	58.38	10969.70	137.53	80.32	PASS	
1125.00†	1119.09	78.73	44.27	11556.00	6964.96	1225.23	9183.08	58.38	10909.01	138.03	79.58	PASS	
1225.00†	1218.00	91.56	51.48	11556.00	6964.96	1225.23	9183.08	58.38	10848.91	138.54	78.85	PASS	
1325.00†	1316.91	104.38	58.69	11556.00	6964.96	1225.23	9183.08	58.38	10789.40	139.05	78.13	PASS	
1425.00†	1415.82	117.21	65.91	11556.00	6964.96	1225.23	9183.08	58.38	10730.50	139.57	77.41	PASS	
1525.00†	1514.73	130.03	73.12	11556.00	6964.96	1225.23	9183.08	58.38	10672.20	140.10	76.70	PASS	
1625.00†	1613.65	142.86	80.33	11556.00	6964.96	1225.23	9183.08	58.38	10614.53	140.64	75.99	PASS	
1725.00†	1712.56	155.69	87.54	11556.00	6964.96	1225.23	9183.08	58.38	10557.49	141.19	75.28	PASS	
1825.00†	1811.47	168.51	94.75	11556.00	6964.96	1225.23	9183.08	58.38	10501.09	141.43	74.62	PASS	
1925.00†	1910.38	181.34	101.97	11556.00	6964.96	1225.23	9183.08	58.38	10445.34	141.88	73.98	PASS	
2025.00†	2009.29	194.16	109.18	11556.00	6964.96	1225.23	9183.08	58.38	10390.26	142.34	73.36	PASS	
2125.00†	2108.20	206.99	116.39	11556.00	6964.96	1225.23	9183.08	58.38	10335.85	142.81	72.73	PASS	
2225.00†	2207.12	219.81	123.60	11556.00	6964.96	1225.23	9183.08	58.38	10282.13	143.28	72.11	PASS	
2325.00†	2306.03	232.64	130.81	11556.00	6964.96	1225.23	9183.08	58.38	10229.10	143.76	71.50	PASS	
2425.00†	2404.94	245.47	138.02	11556.00	6964.96	1225.23	9183.08	58.38	10176.78	144.25	70.90	PASS	
2525.00†	2503.85	258.29	145.24	11556.00	6964.96	1225.23	9183.08	58.38	10125.17	144.74	70.29	PASS	
2625.00†	2602.76	271.12	152.45	11556.00	6964.96	1225.23	9183.08	58.38	10074.30	145.24	69.70	PASS	
2725.00†	2701.67	283.94	159.66	11556.00	6964.96	1225.23	9183.08	58.38	10024.16	145.75	69.11	PASS	
2825.00†	2800.58	296.77	166.87	11556.00	6964.96	1225.23	9183.08	58.38	9974.77	146.26	68.53	PASS	
2925.00†	2899.50	309.59	174.08	11556.00	6964.96	1225.23	9183.08	58.38	9926.15	146.78	67.95	PASS	
3025.00†	2998.41	322.42	181.30	11556.00	6964.96	1225.23	9183.08	58.38	9878.30	147.30	67.38	PASS	
3125.00†	3097.32	335.25	188.51	11556.00	6964.96	1225.23	9183.08	58.38	9831.23	147.83	66.82	PASS	
3225.00†	3196.23	348.07	195.72	11556.00	6964.96	1225.23	9183.08	58.38	9784.96	148.37	66.26	PASS	
3325.00†	3295.14	360.90	202.93	11556.00	6964.96	1225.23	9183.08	58.38	9739.49	148.91	65.71	PASS	
3425.00†	3394.05	373.72	210.14	11556.00	6964.96	1225.23	9183.08	58.38	9694.85	149.45	65.17	PASS	
3525.00†	3492.97	386.55	217.36	11556.00	6964.96	1225.23	9183.08	58.38	9651.03	150.00	64.64	PASS	
3625.00†	3591.88	399.38	224.57	11556.00	6964.96	1225.23	9183.08	58.38	9608.05	150.55	64.12	PASS	
3725.00†	3690.79	412.20	231.78	11556.00	6964.96	1225.23	9183.08	58.38	9565.93	151.10	63.60	PASS	
3825.00†	3789.70	425.03	238.99	11556.00	6964.96	1225.23	9183.08	58.38	9524.67	151.66	63.09	PASS	
3925.00†	3888.61	437.85	246.20	11556.00	6964.96	1225.23	9183.08	58.38	9484.29	152.22	62.59	PASS	
4025.00†	3987.52	450.68	253.42	11556.00	6964.96	1225.23	9183.08	58.38	9444.79	152.78	62.10	PASS	
4125.00†	4086.43	463.50	260.63	11556.00	6964.96	1225.23	9183.08	58.38	9406.19	153.34	61.62	PASS	
4225.00†	4185.35	476.33	267.84	11556.00	6964.96	1225.23	9183.08	58.38	9368.49	153.91	61.15	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	11556.00	6964.96	1225.23	9183.08	58.38	9331.72	154.47	60.68	PASS	
4425.00†	4383.17	501.98	282.26	11556.00	6964.96	1225.23	9183.08	58.38	9295.88	155.03	60.23	PASS	
4525.00†	4482.08	514.81	289.47	11556.00	6964.96	1225.23	9183.08	58.38	9260.97	155.60	59.79	PASS	
4625.00†	4580.99	527.63	296.69	11556.00	6964.96	1225.23	9183.08	58.38	9227.02	156.16	59.35	PASS	
4725.00†	4679.90	540.46	303.90	11556.00	6964.96	1225.23	9183.08	58.38	9194.04	156.72	58.93	PASS	
4825.00†	4778.82	553.28	311.11	11556.00	6964.96	1225.23	9183.08	58.38	9162.02	157.27	58.51	PASS	
4925.00†	4877.73	566.11	318.32	11556.00	6964.96	1225.23	9183.08	58.38	9130.99	157.83	58.11	PASS	
5025.00†	4976.64	578.94	325.53	11556.00	6964.96	1225.23	9183.08	58.38	9100.95	158.38	57.72	PASS	
5125.00†	5075.55	591.76	332.75	11556.00	6964.96	1225.23	9183.08	58.38	9071.91	158.93	57.33	PASS	
5225.00†	5174.46	604.59	339.96	11556.00	6964.96	1225.23	9183.08	58.38	9043.89	159.47	56.96	PASS	
5325.00†	5273.37	617.41	347.17	11556.00	6964.96	1225.23	9183.08	58.38	9016.89	160.01	56.60	PASS	
5425.00†	5372.28	630.24	354.38	11556.00	6964.96	1225.23	9183.08	58.38	8990.92	160.54	56.25	PASS	
5525.00†	5471.20	643.07	361.59	11556.00	6964.96	1225.23	9183.08	58.38	8965.99	161.07	55.91	PASS	
5625.00†	5570.11	655.89	368.81	11556.00	6964.96	1225.23	9183.08	58.38	8942.10	161.59	55.58	PASS	
5725.00†	5669.02	668.72	376.02	11556.00	6964.96	1225.23	9183.08	58.38	8919.28	162.10	55.26	PASS	
5825.00†	5767.93	681.54	383.23	11556.00	6964.96	1225.23	9183.08	58.38	8897.52	162.60	54.95	PASS	
5925.00†	5866.84	694.37	390.44	11556.00	6964.96	1225.23	9183.08	58.38	8876.84	163.10	54.66	PASS	
6025.00†	5965.75	707.19	397.65	11556.00	6964.96	1225.23	9183.08	58.38	8857.23	163.59	54.37	PASS	
6125.00†	6064.66	720.02	404.87	11556.00	6964.96	1225.23	9183.08	58.38	8838.71	164.07	54.10	PASS	
6225.00†	6163.58	732.85	412.08	11556.00	6964.96	1225.23	9183.08	58.38	8821.29	164.54	53.84	PASS	
6325.00†	6262.49	745.67	419.29	11556.00	6964.96	1225.23	9183.08	58.38	8804.97	165.00	53.59	PASS	
6425.00†	6361.40	758.50	426.50	11556.00	6964.96	1225.23	9183.08	58.38	8789.76	165.45	53.35	PASS	
6525.00†	6460.31	771.32	433.71	11556.00	6964.96	1225.23	9183.08	58.38	8775.66	165.88	53.12	PASS	
6533.75	6468.97	772.45	434.34	11556.00	6964.96	1225.23	9183.08	58.38	8774.48	165.92	53.11	PASS	
6625.00†	6568.44	784.11	447.41	11556.00	6964.96	1225.23	9183.08	28.92	8756.24	166.47	52.82	PASS	
6725.00†	6667.35	796.63	454.63	11556.00	6964.96	1225.23	9183.08	17.31	8722.83	167.60	52.26	PASS	
6825.00†	6766.26	809.15	461.85	11556.00	6964.96	1225.23	9183.08	11.96	8676.04	168.69	51.65	PASS	
6925.00†	6865.17	821.67	469.07	11556.00	6964.96	1225.23	9183.08	8.87	8616.80	169.60	51.02	PASS	
7025.00†	6964.08	834.19	476.29	11556.00	6964.96	1225.23	9183.08	6.73	8546.34	170.34	50.38	PASS	
7125.00†	7063.00	846.71	483.51	11556.00	6964.96	1225.23	9183.08	4.93	8466.13	170.91	49.74	PASS	
7225.00†	7161.91	859.23	490.73	11556.00	6964.96	1225.23	9183.08	2.93	8377.91	171.30	49.11	PASS	
7325.00†	7260.82	871.75	497.95	11556.00	6964.96	1225.23	9183.08	-0.42	8283.61	171.54	48.49	PASS	
7425.00†	7359.73	884.27	505.17	11556.00	6964.96	1225.23	9183.08	-12.05	8185.41	171.64	47.88	PASS	
7489.77	7054.00	854.34	1071.25	11556.00	6964.96	1225.23	9183.08	-79.63	8120.80	171.65	47.50	PASS	
7525.00†	7053.85	854.68	1106.47	11556.00	6964.96	1225.23	9183.08	-79.63	8085.59	171.65	47.30	PASS	
7625.00†	7053.41	855.64	1206.47	11556.00	6964.96	1225.23	9183.08	-79.63	7985.66	171.63	46.72	PASS	
7725.00†	7052.97	856.60	1306.46	11556.00	6964.96	1225.23	9183.08	-79.63	7885.73	171.62	46.13	PASS	
7825.00†	7052.54	857.56	1406.46	11556.00	6964.96	1225.23	9183.08	-79.63	7785.80	171.62	45.55	PASS	
7925.00†	7052.10	858.52	1506.45	11556.00	6964.96	1225.23	9183.08	-79.63	7685.88	171.61	44.97	PASS	
8025.00†	7051.66	859.48	1606.45	11556.00	6964.96	1225.23	9183.08	-79.63	7585.95	171.60	44.39	PASS	
8125.00†	7051.23	860.44	1706.44	11556.00	6964.96	1225.23	9183.08	-79.63	7486.03	171.60	43.80	PASS	
8225.00†	7050.79	861.40	1806.43	11556.00	6964.96	1225.23	9183.08	-79.63	7386.11	171.59	43.22	PASS	
8325.00†	7050.36	862.36	1906.43	11556.00	6964.96	1225.23	9183.08	-79.63	7286.20	171.59	42.63	PASS	
8425.00†	7049.92	863.32	2006.42	11556.00	6964.96	1225.23	9183.08	-79.63	7186.28	171.59	42.05	PASS	
8525.00†	7049.48	864.28	2106.42	11556.00	6964.96	1225.23	9183.08	-79.63	7086.37	171.59	41.46	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	7049.05	865.24	2206.41	11556.00	6964.96	1225.23	9183.08	-79.63	6986.46	171.60	40.88	PASS	
8725.00†	7048.61	866.20	2306.41	11556.00	6964.96	1225.23	9183.08	-79.63	6886.55	171.60	40.29	PASS	
8825.00†	7048.17	867.16	2406.40	11556.00	6964.96	1225.23	9183.08	-79.63	6786.64	171.61	39.71	PASS	
8925.00†	7047.74	868.12	2506.40	11556.00	6964.96	1225.23	9183.08	-79.63	6686.74	171.62	39.12	PASS	
9025.00†	7047.30	869.08	2606.39	11556.00	6964.96	1225.23	9183.08	-79.63	6586.84	171.63	38.53	PASS	
9125.00†	7046.86	870.04	2706.38	11556.00	6964.96	1225.23	9183.08	-79.63	6486.95	171.64	37.95	PASS	
9225.00†	7046.43	871.00	2806.38	11556.00	6964.96	1225.23	9183.08	-79.63	6387.05	171.66	37.36	PASS	
9325.00†	7045.99	871.96	2906.37	11556.00	6964.96	1225.23	9183.08	-79.63	6287.16	171.68	36.77	PASS	
9425.00†	7045.56	872.92	3006.37	11556.00	6964.96	1225.23	9183.08	-79.63	6187.28	171.70	36.18	PASS	
9525.00†	7045.12	873.88	3106.36	11556.00	6964.96	1225.23	9183.08	-79.63	6087.40	171.72	35.59	PASS	
9625.00†	7044.68	874.84	3206.36	11556.00	6964.96	1225.23	9183.08	-79.63	5987.52	171.75	35.00	PASS	
9725.00†	7044.25	875.80	3306.35	11556.00	6964.96	1225.23	9183.08	-79.63	5887.64	171.78	34.41	PASS	
9825.00†	7043.81	876.76	3406.35	11556.00	6964.96	1225.23	9183.08	-79.63	5787.77	171.82	33.82	PASS	
9925.00†	7043.37	877.72	3506.34	11556.00	6964.96	1225.23	9183.08	-79.63	5687.91	171.85	33.23	PASS	
10025.00†	7042.94	878.68	3606.33	11556.00	6964.96	1225.23	9183.08	-79.63	5588.05	171.89	32.64	PASS	
10125.00†	7042.50	879.64	3706.33	11556.00	6964.96	1225.23	9183.08	-79.63	5488.19	171.94	32.05	PASS	
10225.00†	7042.07	880.60	3806.32	11556.00	6964.96	1225.23	9183.08	-79.63	5388.34	171.99	31.45	PASS	
10325.00†	7041.63	881.56	3906.32	11556.00	6964.96	1225.23	9183.08	-79.63	5288.50	172.04	30.86	PASS	
10425.00†	7041.19	882.52	4006.31	11556.00	6964.96	1225.23	9183.08	-79.63	5188.66	172.11	30.27	PASS	
10525.00†	7040.76	883.48	4106.31	11556.00	6964.96	1225.23	9183.08	-79.63	5088.83	172.17	29.67	PASS	
10625.00†	7040.32	884.44	4206.30	11556.00	6964.96	1225.23	9183.08	-79.63	4989.00	172.24	29.08	PASS	
10725.00†	7039.88	885.40	4306.30	11556.00	6964.96	1225.23	9183.08	-79.63	4889.19	172.32	28.49	PASS	
10825.00†	7039.45	886.36	4406.29	11556.00	6964.96	1225.23	9183.08	-79.63	4789.38	172.41	27.89	PASS	
10925.00†	7039.01	887.32	4506.28	11556.00	6964.96	1225.23	9183.08	-79.63	4689.57	172.50	27.29	PASS	
11025.00†	7038.57	888.28	4606.28	11556.00	6964.96	1225.23	9183.08	-79.63	4589.78	172.61	26.70	PASS	
11125.00†	7038.14	889.24	4706.27	11556.00	6964.96	1225.23	9183.08	-79.63	4490.00	172.72	26.10	PASS	
11225.00†	7037.70	890.20	4806.27	11556.00	6964.96	1225.23	9183.08	-79.63	4390.22	172.84	25.50	PASS	
11325.00†	7037.27	891.16	4906.26	11556.00	6964.96	1225.23	9183.08	-79.63	4290.46	172.98	24.90	PASS	
11425.00†	7036.83	892.12	5006.26	11556.00	6964.96	1225.23	9183.08	-79.63	4190.70	173.13	24.30	PASS	
11525.00†	7036.39	893.08	5106.25	11556.00	6964.96	1225.23	9183.08	-79.63	4090.96	173.29	23.70	PASS	
11625.00†	7035.96	894.04	5206.25	11556.00	6964.96	1225.23	9183.08	-79.63	3991.23	173.47	23.10	PASS	
11725.00†	7035.52	895.00	5306.24	11556.00	6964.96	1225.23	9183.08	-79.63	3891.52	173.67	22.50	PASS	
11825.00†	7035.08	895.96	5406.23	11556.00	6964.96	1225.23	9183.08	-79.63	3791.82	173.89	21.89	PASS	
11925.00†	7034.65	896.92	5506.23	11556.00	6964.96	1225.23	9183.08	-79.63	3692.14	174.12	21.29	PASS	
12025.00†	7034.21	897.88	5606.22	11556.00	6964.96	1225.23	9183.08	-79.63	3592.47	174.39	20.68	PASS	
12125.00†	7033.78	898.84	5706.22	11556.00	6964.96	1225.23	9183.08	-79.63	3492.83	174.68	20.07	PASS	
12225.00†	7033.34	899.80	5806.21	11556.00	6964.96	1225.23	9183.08	-79.63	3393.20	175.00	19.46	PASS	
12325.00†	7032.90	900.76	5906.21	11556.00	6964.96	1225.23	9183.08	-79.63	3293.60	175.36	18.85	PASS	
12425.00†	7032.47	901.72	6006.20	11556.00	6964.96	1225.23	9183.08	-79.63	3194.02	175.75	18.24	PASS	
12525.00†	7032.03	902.68	6106.20	11556.00	6964.96	1225.23	9183.08	-79.63	3094.47	176.19	17.63	PASS	
12625.00†	7031.59	903.64	6206.19	11556.00	6964.96	1225.23	9183.08	-79.63	2994.95	176.68	17.02	PASS	
12725.00†	7031.16	904.60	6306.18	11556.00	6964.96	1225.23	9183.08	-79.63	2895.47	177.23	16.40	PASS	
12789.77	7030.87	905.22	6370.95	11556.00	6964.96	1225.23	9183.08	-79.63	2831.05	177.62	16.00	PASS	
12825.00†	7030.72	905.34	6406.18	11556.00	6964.96	1225.23	9183.08	-80.69	2796.04	177.85	15.78	PASS	
12913.21	7030.34	903.75	6494.37	11556.00	6964.96	1225.23	9183.08	-82.55	2708.65	178.60	15.22	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
12925.00†	7030.29	903.35	6506.15	11556.00	6964.96	1225.23	9183.08	-82.55	2697.00	178.71	15.15	PASS	
13025.00†	7029.85	900.00	6606.10	11556.00	6964.96	1225.23	9183.08	-82.55	2598.24	179.79	14.50	PASS	
13125.00†	7029.42	896.65	6706.04	11556.00	6964.96	1225.23	9183.08	-82.55	2499.57	181.02	13.86	PASS	
13225.00†	7028.99	893.31	6805.98	11556.00	6964.96	1225.23	9183.08	-82.55	2401.01	182.43	13.21	PASS	
13325.00†	7028.55	889.96	6905.93	11556.00	6964.96	1225.23	9183.08	-82.55	2302.58	184.04	12.56	PASS	
13425.00†	7028.12	886.61	7005.87	11556.00	6964.96	1225.23	9183.08	-82.55	2204.29	185.88	11.90	PASS	
13525.00†	7027.68	883.26	7105.81	11556.00	6964.96	1225.23	9183.08	-82.55	2106.16	187.99	11.24	PASS	
13625.00†	7027.25	879.91	7205.76	11556.00	6964.96	1225.23	9183.08	-82.55	2008.22	190.40	10.58	PASS	
13725.00†	7026.82	876.56	7305.70	11556.00	6964.96	1225.23	9183.08	-82.55	1910.49	193.17	9.92	PASS	
13825.00†	7026.38	873.22	7405.64	11556.00	6964.96	1225.23	9183.08	-82.55	1813.00	196.34	9.26	PASS	
13925.00†	7025.95	869.87	7505.58	11556.00	6964.96	1225.23	9183.08	-82.55	1715.81	199.98	8.61	PASS	
14025.00†	7025.52	866.52	7605.53	11556.00	6964.96	1225.23	9183.08	-82.55	1618.96	204.16	7.95	PASS	
14125.00†	7025.08	863.17	7705.47	11556.00	6964.96	1225.23	9183.08	-82.55	1522.51	208.98	7.31	PASS	
14225.00†	7024.65	859.82	7805.41	11556.00	6964.96	1225.23	9183.08	-82.55	1426.55	214.56	6.67	PASS	
14325.00†	7024.22	856.47	7905.36	11556.00	6964.96	1225.23	9183.08	-82.55	1331.19	221.02	6.04	PASS	
14425.00†	7023.78	853.13	8005.30	11556.00	6964.96	1225.23	9183.08	-82.55	1236.56	228.55	5.42	PASS	
14525.00†	7023.35	849.78	8105.24	11556.00	6964.96	1225.23	9183.08	-82.55	1142.85	237.36	4.83	PASS	
14625.00†	7022.92	846.43	8205.19	11556.00	6964.96	1225.23	9183.08	-82.55	1050.30	247.70	4.25	PASS	
14725.00†	7022.48	843.08	8305.13	11556.00	6964.96	1225.23	9183.08	-82.55	959.24	259.91	3.70	PASS	
14825.00†	7022.05	839.73	8405.07	11556.00	6964.96	1225.23	9183.08	-82.55	870.15	274.36	3.18	PASS	
14836.05	7022.00	839.36	8416.11	11556.00	6964.96	1225.23	9183.08	-82.55	860.46	276.12	3.12	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	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN 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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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	42.87	13.87	4031.26	-2032.32	-26.75	4514.58	50.33	91.73	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	2457.49	-1238.80	2431.86	-1258.52

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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: SLO#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	-165.01	-90.00	165.01	1.56	273.40	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	0.00	-165.01	-90.00	165.01	1.88	178.75	PASS	
225.00†	225.00	0.00	0.00	225.29	225.29	0.11	-164.98	-89.96	164.98	2.44	110.94	PASS	
300.00	300.00	0.00	0.00	301.11	301.09	1.75	-164.65	-89.39	164.67	2.90	84.48	PASS	
325.00†	325.00	0.10	0.05	326.36	326.32	2.73	-164.45	-118.43	164.53	3.05	78.24	PASS	
361.02†	361.01	0.57	0.32	363.32	363.23	4.56	-164.08	-117.97	164.47	3.32	69.40	PASS	
425.00†	424.96	2.38	1.34	427.29	427.05	8.83	-163.22	-117.11	164.70	3.78	58.16	PASS	
525.00†	524.77	7.70	4.33	528.05	527.34	18.39	-161.29	-115.65	165.98	4.63	45.00	PASS	
625.00†	624.30	16.05	9.03	628.64	627.05	31.37	-158.67	-114.09	168.41	5.50	36.94	PASS	
723.07	721.54	27.18	15.28	727.11	724.14	47.40	-155.43	-112.49	171.92	6.43	31.27	PASS	
725.00†	723.44	27.43	15.42	729.04	726.04	47.75	-155.36	-112.46	172.00	6.45	31.17	PASS	
825.00†	822.35	40.25	22.63	829.14	824.10	67.44	-151.38	-110.34	176.13	7.45	27.01	PASS	
925.00†	921.27	53.08	29.85	928.69	920.86	90.35	-146.75	-107.23	180.49	8.59	23.53	PASS	
1025.00†	1020.18	65.91	37.06	1027.46	1016.00	116.32	-141.50	-103.26	185.59	9.88	20.71	PASS	
1125.00†	1119.09	78.73	44.27	1125.22	1109.22	145.18	-135.67	-98.56	192.07	11.29	18.50	PASS	
1225.00†	1218.00	91.56	51.48	1221.76	1200.24	176.72	-129.30	-93.33	200.62	12.79	16.88	PASS	
1325.00†	1316.91	104.38	58.69	1316.90	1288.82	210.72	-122.43	-87.82	211.90	14.35	15.76	PASS	
1425.00†	1415.82	117.21	65.91	1410.46	1374.76	246.96	-115.11	-82.24	226.46	15.82	15.18	PASS	
1525.00†	1514.73	130.03	73.12	1502.28	1457.89	285.17	-107.38	-76.83	244.70	17.23	14.99	PASS	
1625.00†	1613.65	142.86	80.33	1592.23	1538.07	325.12	-99.31	-71.73	266.84	18.52	15.15	PASS	
1725.00†	1712.56	155.69	87.54	1682.52	1617.34	367.49	-90.75	-66.97	292.77	19.67	15.60	PASS	
1825.00†	1811.47	168.51	94.75	1775.86	1699.04	411.74	-81.81	-62.75	320.90	20.01	16.59	PASS	
1925.00†	1910.38	181.34	101.97	1869.20	1780.73	456.00	-72.87	-59.20	350.45	19.97	18.16	PASS	
2025.00†	2009.29	194.16	109.18	1962.55	1862.43	500.25	-63.92	-56.18	381.08	19.82	19.91	PASS	
2125.00†	2108.20	206.99	116.39	2055.89	1944.13	544.51	-54.98	-53.60	412.56	19.79	21.59	PASS	
2225.00†	2207.12	219.81	123.60	2149.23	2025.82	588.76	-46.04	-51.39	444.71	19.87	23.17	PASS	
2325.00†	2306.03	232.64	130.81	2242.57	2107.52	633.02	-37.10	-49.46	477.39	20.07	24.62	PASS	
2425.00†	2404.94	245.47	138.02	2335.92	2189.22	677.28	-28.15	-47.78	510.50	20.36	25.94	PASS	
2525.00†	2503.85	258.29	145.24	2429.26	2270.91	721.53	-19.21	-46.30	543.96	20.74	27.11	PASS	
2625.00†	2602.76	271.12	152.45	2522.60	2352.61	765.79	-10.27	-44.99	577.71	21.21	28.14	PASS	
2725.00†	2701.67	283.94	159.66	2615.94	2434.31	810.04	-1.33	-43.82	611.70	21.75	29.03	PASS	
2825.00†	2800.58	296.77	166.87	2709.29	2516.00	854.30	7.61	-42.78	645.90	22.36	29.80	PASS	
2925.00†	2899.50	309.59	174.08	2802.63	2597.70	898.55	16.56	-41.84	680.27	23.02	30.45	PASS	
3025.00†	2998.41	322.42	181.30	2895.97	2679.40	942.81	25.50	-40.99	714.79	23.74	31.00	PASS	
3125.00†	3097.32	335.25	188.51	2989.32	2761.09	987.06	34.44	-40.21	749.43	24.50	31.47	PASS	
3225.00†	3196.23	348.07	195.72	3082.66	2842.79	1031.32	43.38	-39.51	784.19	25.31	31.85	PASS	
3325.00†	3295.14	360.90	202.93	3176.00	2924.49	1075.57	52.33	-38.86	819.04	26.15	32.17	PASS	
3425.00†	3394.05	373.72	210.14	3269.34	3006.18	1119.83	61.27	-38.26	853.98	27.02	32.43	PASS	
3525.00†	3492.97	386.55	217.36	3362.69	3087.88	1164.08	70.21	-37.72	888.99	27.93	32.64	PASS	
3625.00†	3591.88	399.38	224.57	3456.03	3169.58	1208.34	79.15	-37.21	924.07	28.85	32.81	PASS	
3725.00†	3690.79	412.20	231.78	3549.37	3251.27	1252.59	88.10	-36.74	959.21	29.81	32.94	PASS	
3825.00†	3789.70	425.03	238.99	3642.71	3332.97	1296.85	97.04	-36.30	994.40	30.78	33.04	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	-100.59	121.76	-75.98
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1676.40	0.00	-100.59	121.76	-75.98
8.5in Open Hole	1750.00	15550.53	13800.53	1676.40	N/A	121.76	-75.98	N/A	N/A

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 26N-23B-M PWB
1750.00	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	0.00	180.00	319.87	1.56	531.51	PASS	
125.00†	125.00	0.00	0.00	125.00	125.00	-319.87	0.00	180.00	319.87	1.89	344.00	PASS	
225.00†	225.00	0.00	0.00	225.00	225.00	-319.87	0.00	180.00	319.87	2.46	212.46	PASS	
300.00	300.00	0.00	0.00	300.00	300.00	-319.87	0.00	180.00	319.87	2.91	163.66	PASS	
325.00†	325.00	0.10	0.05	322.91	322.91	-319.94	-0.05	150.67	320.05	3.06	152.50	PASS	
425.00†	424.96	2.38	1.34	414.35	414.32	-321.74	-1.31	151.06	324.30	4.05	104.88	PASS	
525.00†	524.77	7.70	4.33	505.04	504.86	-325.87	-4.22	151.92	334.27	5.60	71.84	PASS	
625.00†	624.30	16.05	9.03	594.40	593.88	-332.23	-8.70	153.16	350.05	6.92	58.61	PASS	
723.07	721.54	27.18	15.28	680.23	679.11	-340.47	-14.50	154.63	371.29	8.07	52.11	PASS	
725.00†	723.44	27.43	15.42	681.89	680.76	-340.65	-14.63	154.66	371.76	8.10	51.96	PASS	
825.00†	822.35	40.25	22.63	767.53	765.45	-350.99	-21.91	156.43	397.87	8.88	50.14	PASS	
925.00†	921.27	53.08	29.85	851.55	848.15	-363.15	-30.47	158.13	426.88	9.63	49.16	PASS	
1025.00†	1020.18	65.91	37.06	933.87	928.71	-376.98	-40.21	159.75	458.78	10.38	48.61	PASS	
1125.00†	1119.09	78.73	44.27	1014.41	1007.02	-392.33	-51.02	161.26	493.49	11.10	48.58	PASS	
1225.00†	1218.00	91.56	51.48	1095.18	1085.02	-409.50	-63.11	162.71	530.92	11.73	49.21	PASS	
1325.00†	1316.91	104.38	58.69	1186.50	1172.96	-429.61	-77.26	164.17	569.52	12.32	50.07	PASS	
1425.00†	1415.82	117.21	65.91	1277.81	1260.91	-449.71	-91.41	165.45	608.40	12.84	51.17	PASS	
1525.00†	1514.73	130.03	73.12	1369.13	1348.85	-469.81	-105.57	166.58	647.51	13.48	51.65	PASS	
1625.00†	1613.65	142.86	80.33	1460.45	1436.80	-489.92	-119.72	167.58	686.81	14.08	52.31	PASS	
1725.00†	1712.56	155.69	87.54	1551.76	1524.74	-510.02	-133.88	168.48	726.27	14.68	52.89	PASS	
1825.00†	1811.47	168.51	94.75	1643.08	1612.69	-530.13	-148.03	169.28	765.87	14.97	53.83	PASS	
1925.00†	1910.38	181.34	101.97	1734.40	1700.63	-550.23	-162.19	170.00	805.58	15.33	55.23	PASS	
2025.00†	2009.29	194.16	109.18	1825.72	1788.58	-570.33	-176.34	170.66	845.40	15.53	56.98	PASS	
2125.00†	2108.20	206.99	116.39	1917.03	1876.52	-590.44	-190.50	171.26	885.29	15.69	59.05	PASS	
2225.00†	2207.12	219.81	123.60	2008.35	1964.47	-610.54	-204.65	171.81	925.27	15.92	60.79	PASS	
2325.00†	2306.03	232.64	130.81	2099.67	2052.41	-630.65	-218.80	172.31	965.31	16.22	62.20	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	0.00	-266.25	-50.17
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1715.66	-194.99	0.00	-266.25	-50.17
8.5in Open Hole	1750.00	16723.95	14973.95	1715.66	7063.00	-266.25	-50.17	-649.12	2686.46

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: TROUDT 40N-26C-L PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1750.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		TROUDT 40N-26C-L PWB
1750.00	16723.95	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		TROUDT 40N-26C-L PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: TROUDT 40N-26C-L PWB Offset Wellpath: TROUDT 40N-26C-L PWP (REV-A.0)

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#05 EX. LEFFLER 5 (1300'FNL & 1170'FEL, PR/NB-CD) Well: EX. LEFFLER 5 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-5.00	25.00	-550.73	2386.10	103.00	2448.83	25.57	99.50	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1260.64	6982.90	100.23	7095.78	25.57	288.39	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. JONES WALTER 1-26 AWB** Offset Wellpath: **EX. JONES WALTER 1-26 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. JONES WALTER 1-26 AWB** Offset Wellpath: **EX. JONES WALTER 1-26 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7250.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7250>	EX. JONES WALTER 1-26 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. JONES WALTER 1-26 AWB** Offset Wellpath: **EX. JONES WALTER 1-26 AWP**

MD Reference: Rig on SLOT#08 EX. JONES WALTER 1-26 (1980'FNL & 1980'FEL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14552.90	7155.24	2365.35	-56.50	-1.37	7512.55	151.69	49.82	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	813.18	-4982.65	837.40	-4967.36
9.625in Casing Surface	25.00	1761.00	1736.00	10.00	1738.70	813.18	-4982.65	837.40	-4967.36
8.5in Open Hole	1761.00	15473.00	13712.00	1738.70	7165.80	837.40	-4967.36	1129.56	-2228.02

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2892.51	5293.19	61.35	6031.96	50.20	122.50	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14205.24	6902.08	2557.01	-162.06	-3.63	7338.85	158.65	46.52	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	825.40	-4982.64	861.84	-4964.30
9.625in Casing Intermediate	25.00	1763.00	1738.00	10.00	1735.40	825.40	-4982.64	861.84	-4964.30
8.5in Open Hole	1763.00	15220.00	13457.00	1735.40	6940.74	861.84	-4964.30	1198.29	-2231.98

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2637.09	2878.25	47.50	3903.66	50.19	79.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

WELLPATH COMPOSITION - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP

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

OFFSET WELLPATH REFERENCE - Offset Wellbore: EX. SCHAEFER 2-22 AWB Offset Wellpath: EX. SCHAEFER 2-22 AWP

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W				Slot: SLOT#07 EX. BARNEY 6 (246'FSL & 1500'FWL, PR/NB-CD)				Well: EX. BARNEY 6		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status		
25.00	25.00	0.00	0.00	0.00	25.00	972.52	5098.83	79.20	5190.75	50.17	105.48	PASS		
125.00†	125.00	0.00	0.00	106.88	131.88	972.25	5098.82	79.20	5190.69	50.17	105.47	PASS		
225.00†	225.00	0.00	0.00	218.04	243.04	971.63	5098.68	79.21	5190.46	50.18	105.43	PASS		
300.00	300.00	0.00	0.00	306.39	331.39	971.30	5098.29	79.21	5190.08	50.20	105.39	PASS		
325.00†	325.00	0.10	0.05	324.49	349.49	971.27	5098.19	49.87	5189.87	50.21	105.37	PASS		
425.00†	424.96	2.38	1.34	396.87	421.87	971.37	5098.02	49.91	5187.98	50.24	105.27	PASS		
525.00†	524.77	7.70	4.33	450.62	475.62	971.63	5098.24	49.99	5184.54	50.29	105.09	PASS		
625.00†	624.30	16.05	9.03	507.05	532.04	972.02	5098.98	50.11	5179.77	50.35	104.87	PASS		
723.07	721.54	27.18	15.28	619.16	644.13	973.30	5100.66	50.32	5173.22	50.44	104.55	PASS		
725.00†	723.44	27.43	15.42	622.27	647.24	973.35	5100.70	50.33	5173.07	50.44	104.54	PASS		
825.00†	822.35	40.25	22.63	793.59	818.52	976.87	5101.45	50.51	5164.46	50.53	104.18	PASS		
925.00†	921.27	53.08	29.85	928.62	953.51	979.33	5100.38	50.65	5154.54	50.62	103.79	PASS		
1025.00†	1020.18	65.91	37.06	1002.50	1027.39	979.66	5100.04	50.74	5144.78	50.70	103.41	PASS		
1125.00†	1119.09	78.73	44.27	1124.52	1149.42	980.05	5099.51	50.89	5135.05	50.82	102.98	PASS		
1225.00†	1218.00	91.56	51.48	1242.69	1267.58	980.49	5098.50	51.03	5124.94	50.94	102.52	PASS		
1325.00†	1316.91	104.38	58.69	1396.60	1421.47	981.47	5096.14	51.22	5114.30	51.10	101.99	PASS		
1425.00†	1415.82	117.21	65.91	1636.90	1661.21	992.76	5085.48	51.38	5101.27	51.29	101.35	PASS		
1525.00†	1514.73	130.03	73.12	1723.07	1746.86	1000.30	5079.97	51.40	5087.22	51.45	100.74	PASS		
1625.00†	1613.65	142.86	80.33	1780.83	1804.19	1006.47	5076.48	51.40	5073.82	51.62	100.14	PASS		
1725.00†	1712.56	155.69	87.54	1835.86	1858.69	1013.39	5073.44	51.39	5061.25	51.79	99.55	PASS		
1825.00†	1811.47	168.51	94.75	1889.49	1911.60	1021.72	5070.70	51.36	5049.56	51.66	99.09	PASS		
1925.00†	1910.38	181.34	101.97	2163.26	2178.30	1079.79	5051.04	51.02	5037.10	51.83	98.53	PASS		
2025.00†	2009.29	194.16	109.18	2262.47	2274.27	1103.03	5041.36	50.87	5022.22	51.93	98.04	PASS		
2125.00†	2108.20	206.99	116.39	2391.45	2399.28	1132.36	5029.15	50.67	5007.62	52.05	97.53	PASS		
2225.00†	2207.12	219.81	123.60	2503.43	2507.71	1157.86	5017.73	50.50	4992.27	52.18	96.98	PASS		
2325.00†	2306.03	232.64	130.81	2621.51	2621.84	1185.40	5005.12	50.32	4976.58	52.32	96.40	PASS		
2425.00†	2404.94	245.47	138.02	2722.89	2719.64	1209.70	4994.12	50.14	4960.89	52.48	95.81	PASS		
2525.00†	2503.85	258.29	145.24	2855.95	2847.84	1241.85	4978.65	49.91	4944.45	52.67	95.15	PASS		
2625.00†	2602.76	271.12	152.45	2931.43	2920.61	1259.88	4969.91	49.78	4928.15	52.85	94.51	PASS		
2725.00†	2701.67	283.94	159.66	2994.40	2981.35	1275.01	4963.03	49.67	4912.51	53.03	93.88	PASS		
2825.00†	2800.58	296.77	166.87	3088.39	3071.99	1297.82	4953.11	49.51	4897.33	53.25	93.20	PASS		
2925.00†	2899.50	309.59	174.08	3164.58	3145.57	1315.95	4945.29	49.38	4882.39	53.46	92.54	PASS		
3025.00†	2998.41	322.42	181.30	3236.81	3215.66	1332.04	4938.47	49.27	4867.98	53.68	91.88	PASS		
3125.00†	3097.32	335.25	188.51	3319.55	3296.05	1350.18	4931.19	49.15	4854.14	53.93	91.20	PASS		
3225.00†	3196.23	348.07	195.72	3502.65	3473.79	1390.45	4913.47	48.87	4839.50	54.26	90.37	PASS		
3325.00†	3295.14	360.90	202.93	3548.98	3518.75	1400.61	4908.83	48.80	4824.57	54.51	89.67	PASS		
3425.00†	3394.05	373.72	210.14	3595.47	3563.90	1410.87	4904.67	48.73	4810.73	54.76	88.99	PASS		
3525.00†	3492.97	386.55	217.36	3784.43	3746.70	1455.00	4886.31	48.41	4796.36	55.17	88.06	PASS		
3625.00†	3591.88	399.38	224.57	3981.14	3934.98	1506.40	4861.80	47.99	4779.87	55.59	87.09	PASS		
3725.00†	3690.79	412.20	231.78	4078.92	4028.20	1532.76	4848.55	47.77	4762.78	55.93	86.23	PASS		
3825.00†	3789.70	425.03	238.99	4155.62	4101.60	1552.63	4838.50	47.60	4745.97	56.27	85.40	PASS		
3925.00†	3888.61	437.85	246.20	4227.78	4170.95	1570.45	4829.62	47.46	4729.72	56.62	84.58	PASS		
4025.00†	3987.52	450.68	253.42	4300.03	4240.56	1587.89	4821.23	47.32	4714.04	56.97	83.77	PASS		
4125.00†	4086.43	463.50	260.63	4354.16	4292.80	1600.79	4815.38	47.22	4699.13	57.32	82.99	PASS		
4225.00†	4185.35	476.33	267.84	4413.91	4350.57	1614.93	4809.53	47.11	4685.16	57.68	82.23	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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†	4284.26	489.16	275.05	4507.39	4440.85	1637.46	4800.69	46.93	4671.68	58.09	81.40	PASS		
4425.00†	4383.17	501.98	282.26	4650.30	4578.87	1671.60	4786.17	46.67	4667.41	58.57	80.49	PASS		
4525.00†	4482.08	514.81	289.47	4741.69	4667.25	1692.91	4776.90	46.50	4643.19	58.99	79.65	PASS		
4625.00†	4580.99	527.63	296.69	4845.78	4768.08	1716.57	4766.49	46.32	4629.00	59.44	78.80	PASS		
4725.00†	4679.90	540.46	303.90	4941.02	4860.53	1737.41	4757.03	46.16	4614.72	59.89	77.96	PASS		
4825.00†	4778.82	553.28	311.11	5020.90	4937.96	1755.39	4749.21	46.02	4600.77	60.33	77.15	PASS		
4925.00†	4877.73	566.11	318.32	5097.71	5012.42	1772.84	4741.99	45.89	4587.29	60.78	76.35	PASS		
5025.00†	4976.64	578.94	325.53	5158.80	5071.86	1785.94	4736.86	45.79	4574.47	61.21	75.60	PASS		
5125.00†	5075.55	591.76	332.75	5231.18	5142.80	1799.46	4731.94	45.70	4562.45	61.65	74.85	PASS		
5225.00†	5174.46	604.59	339.96	5321.51	5231.73	1814.31	4726.55	45.62	4550.70	62.13	74.08	PASS		
5325.00†	5273.37	617.41	347.17	5397.34	5306.66	1825.27	4722.75	45.58	4539.35	62.58	73.35	PASS		
5425.00†	5372.28	630.24	354.38	5474.00	5382.66	1834.90	4719.71	45.55	4528.51	63.04	72.64	PASS		
5525.00†	5471.20	643.07	361.59	5558.07	5495.08	1845.74	4716.42	45.56	4517.91	63.55	71.88	PASS		
5625.00†	5570.11	655.89	368.81	5682.67	5590.52	1851.89	4714.19	45.60	4507.02	64.04	71.15	PASS		
5725.00†	5669.02	668.72	376.02	5778.51	5686.22	1856.77	4712.45	45.67	4496.26	64.53	70.44	PASS		
5825.00†	5767.93	681.54	383.23	5932.75	5840.38	1860.66	4709.80	45.82	4484.95	65.11	69.63	PASS		
5925.00†	5866.84	694.37	390.44	6035.68	5943.29	1860.36	4708.02	45.96	4472.90	65.64	68.88	PASS		
6025.00†	5965.75	707.19	397.65	6123.33	6030.93	1859.79	4706.77	46.08	4461.08	66.16	68.15	PASS		
6125.00†	6064.66	720.02	404.87	6221.98	6129.57	1859.27	4705.39	46.22	4449.34	66.70	67.41	PASS		
6225.00†	6163.58	732.85	412.08	6313.28	6220.86	1859.21	4704.13	46.34	4437.76	67.24	66.69	PASS		
6325.00†	6262.49	745.67	419.29	6417.99	6325.56	1859.55	4702.50	46.48	4426.12	67.81	65.95	PASS		
6425.00†	6361.40	758.50	426.50	6493.67	6401.23	1859.95	4701.48	46.57	4414.78	68.34	65.27	PASS		
6525.00†	6460.31	771.32	433.71	6591.62	6499.18	1860.57	4700.44	46.70	4403.74	68.91	64.56	PASS		
6533.75	6468.97	772.45	434.34	6600.35	6507.90	1860.63	4700.35	46.71	4402.78	68.96	64.50	PASS		
6625.00†	6558.44	784.11	447.41	6684.43	6591.97	1861.31	4699.46	17.04	4386.50	69.60	63.67	PASS		
6725.00†	6653.23	796.63	476.37	6810.17	6717.69	1862.69	4697.74	4.86	4354.38	70.79	62.12	PASS		
6825.00†	6742.33	808.58	519.92	6961.59	6869.05	1865.17	4693.69	-1.60	4307.31	72.01	60.40	PASS		
6925.00†	6823.57	819.61	577.00	7085.64	6992.96	1867.71	4688.57	-6.58	4246.44	73.03	58.71	PASS		
7025.00†	6894.93	829.52	646.20	7156.73	7063.97	1868.60	4685.36	-11.65	4174.10	73.80	57.10	PASS		
7125.00†	6954.67	838.03	725.81	7211.32	7118.51	1869.16	4682.95	-18.24	4092.55	74.37	55.58	PASS		
7225.00†	7001.30	844.93	813.89	7253.12	7160.26	1869.57	4681.11	-28.54	4003.82	74.75	54.07	PASS		
7325.00†	7033.68	850.07	908.25	7280.74	7187.85	1869.86	4679.90	-46.83	3910.13	74.97	52.64	PASS		
7425.00†	7051.02	853.30	1006.58	7293.50	7200.60	1870.00	4679.35	-77.48	3813.82	75.07	51.28	PASS		
7489.77	7054.00	854.34	1071.25	7293.66	7200.76	1870.00	4679.34	-99.41	3751.19	75.10	50.42	PASS		
7525.00†	7053.85	854.68	1106.47	7292.01	7199.11	1869.99	4679.41	-99.31	3717.23	75.11	49.95	PASS		
7625.00†	7053.41	855.64	1206.47	7287.32	7194.42	1869.93	4679.62	-99.05	3620.97	75.18	48.61	PASS		
7725.00†	7052.97	856.60	1306.46	7282.63	7189.74	1869.88	4679.82	-98.78	3524.91	75.31	47.24	PASS		
7825.00†	7052.54	857.56	1406.46	7277.93	7185.05	1869.83	4680.03	-98.51	3429.07	75.52	45.83	PASS		
7925.00†	7052.10	858.52	1506.45	7273.24	7180.36	1869.78	4680.23	-98.25	3333.46	75.80	44.38	PASS		
8025.00†	7051.66	859.48	1606.45	7268.54	7175.66	1869.73	4680.44	-97.98	3238.12	76.17	42.90	PASS		
8125.00†	7051.23	860.44	1706.44	7263.84	7170.97	1869.68	4680.64	-97.71	3143.06	76.64	41.38	PASS		
8225.00†	7050.79	861.40	1806.43	7259.14	7166.27	1869.64	4680.85	-97.44	3048.30	77.23	39.83	PASS		
8325.00†	7050.36	862.36	1906.43	7254.43	7161.57	1869.59	4681.06	-97.17	2953.88	77.95	38.23	PASS		
8425.00†	7049.92	863.32	2006.42	7249.73	7156.87	1869.54	4681.26	-96.90	2859.84	78.82	36.60	PASS		
8525.00†	7049.48	864.28	2106.42	7245.02	7152.17	1869.49	4681.47	-96.63	2766.20	79.86	34.94	PASS		

C-C Clearance Distance Cutoff: 1000.00 ft

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#07 EX. BARNEY 6 (246°FSL & 1500°FWL, PR/NB-CD) Well: EX. BARNEY 6 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
8625.00†	7049.05	865.24	2206.41	7240.31	7147.46	1869.44	4681.67	-96.36	2673.02	81.08	33.25	PASS	
8725.00†	7048.61	866.20	2306.41	7235.60	7142.76	1869.40	4681.88	-96.09	2580.34	82.51	31.53	PASS	
8825.00†	7048.17	867.16	2406.40	7230.89	7138.05	1869.35	4682.09	-95.82	2488.21	84.17	29.80	PASS	
8925.00†	7047.74	868.12	2506.40	7226.17	7133.34	1869.30	4682.29	-95.54	2396.71	86.03	28.06	PASS	
9025.00†	7047.30	869.08	2606.39	7221.45	7128.63	1869.25	4682.50	-95.27	2305.90	88.29	26.32	PASS	
9125.00†	7046.86	870.04	2706.38	7216.73	7123.91	1869.21	4682.71	-95.00	2215.88	90.80	24.59	PASS	
9225.00†	7046.43	871.00	2806.38	7212.01	7119.19	1869.16	4682.92	-94.72	2126.74	93.66	22.87	PASS	
9325.00†	7045.99	871.96	2906.37	7207.29	7114.47	1869.12	4683.12	-94.45	2038.59	96.90	21.19	PASS	
9425.00†	7045.56	872.92	3006.37	7202.56	7109.75	1869.07	4683.33	-94.18	1951.57	100.55	19.54	PASS	
9525.00†	7045.12	873.88	3106.36	7197.77	7104.97	1869.03	4683.54	-93.90	1865.85	104.66	17.94	PASS	
9625.00†	7044.68	874.84	3206.36	7192.90	7100.10	1868.98	4683.75	-93.62	1781.60	109.28	16.40	PASS	
9725.00†	7044.25	875.80	3306.35	7188.00	7095.21	1868.93	4683.97	-93.33	1699.04	114.44	14.93	PASS	
9825.00†	7043.81	876.76	3406.35	7183.09	7090.31	1868.88	4684.19	-93.04	1618.44	120.19	13.54	PASS	
9925.00†	7043.37	877.72	3506.34	7178.17	7085.38	1868.83	4684.41	-92.76	1540.10	126.58	12.23	PASS	
10025.00†	7042.94	878.68	3606.33	7173.22	7080.44	1868.78	4684.62	-92.47	1464.38	133.65	11.01	PASS	
10125.00†	7042.50	879.64	3706.33	7168.26	7075.49	1868.73	4684.84	-92.18	1391.72	141.42	9.89	PASS	
10225.00†	7042.07	880.60	3806.32	7163.28	7070.51	1868.67	4685.07	-91.89	1322.61	149.91	8.86	PASS	
10325.00†	7041.63	881.56	3906.32	7158.28	7065.52	1868.62	4685.29	-91.60	1257.64	159.09	7.94	PASS	
10425.00†	7041.19	882.52	4006.31	7153.27	7060.51	1868.56	4685.51	-91.31	1197.48	168.91	7.12	PASS	
10525.00†	7040.76	883.48	4106.31	7148.24	7055.49	1868.51	4685.74	-91.01	1142.91	179.22	6.40	PASS	
10625.00†	7040.32	884.44	4206.30	7143.19	7050.44	1868.45	4685.96	-90.72	1094.74	189.82	5.79	PASS	
10725.00†	7039.88	885.40	4306.30	7138.12	7045.38	1868.39	4686.19	-90.42	1053.86	200.40	5.27	PASS	
10825.00†	7039.45	886.36	4406.29	7133.03	7040.30	1868.33	4686.42	-90.12	1021.15	210.56	4.86	PASS	
10925.00†	7039.01	887.32	4506.28	7127.93	7035.20	1868.27	4686.65	-89.83	997.40	219.85	4.55	PASS	
11025.00†	7038.57	888.28	4606.28	7122.80	7030.08	1868.20	4686.88	-89.53	983.27	227.81	4.33	PASS	
11114.06†	7038.19	889.13	4695.34	7118.91	7026.19	1868.16	4687.06	-89.30	979.13	233.44	4.20	PASS	
11125.00†	7038.14	889.24	4706.27	7117.66	7024.95	1868.14	4687.12	-89.23	979.18	234.03	4.19	PASS	
11225.00†	7037.70	890.20	4806.27	7112.50	7019.79	1868.07	4687.35	-88.92	985.24	238.25	4.14	PASS	
11236.40†	7037.65	890.31	4817.66	7111.92	7019.20	1868.07	4687.38	-88.89	986.57	238.60	4.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7400.00	BHI Generic gyro - continuous (Standard)	YES 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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1242.68	4247.79	106.31	4425.83	52.13	86.47	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#03 EX. LEFFLER 2 (1780'FNL & 460'FEL, PR/CODL) Well: EX. LEFFLER 2 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-12.00	25.00	-1039.94	3131.90	108.37	3300.04	25.57	134.10	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14334.41	6985.35	2816.90	-152.90	-3.11	7510.31	166.34	45.40	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	837.61	-4982.83	884.80	-4961.17
9.625in Open Hole	25.00	1757.00	1732.00	10.00	1724.59	837.61	-4982.83	884.80	-4961.17
8.5in Open Hole	1757.00	15343.00	13586.00	1724.59	6989.57	884.80	-4961.17	1279.10	-2230.81

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2105.36	2013.47	-4278.88	216.00	177.11	4723.29	48.78	98.66	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	311.02	-2798.78	247.15
9.625in Casing Surface	20.00	1808.00	1788.00	37.00	1746.55	-2903.54	311.02	-2792.75	243.43
8.5in Open Hole	1761.00	14690.00	12929.00	1705.71	6970.76	-2798.78	247.15	-2054.30	2055.26

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2290.97	8038.16	105.91	8358.26	25.57	339.70	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: Rlg 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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.24-T06N-R66W		Slot: SLOT#04 EX. KINDFSATER 24E-323 (370'FNL & 1479'FWL, XX)		Well: EX. KINDFSATER 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	5659.31	10416.89	61.49	11854.93	50.18	240.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. KINDFSATER 24E-323 AWB** Offset Wellpath: **EX. KINDFSATER 24E-323 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. KINDFSATER 24E-323 AWB** Offset Wellpath: **EX. KINDFSATER 24E-323 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	11580.70	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL ***PLANS*** PROVIDED BY SRC <600'-11580.7'>	EX. KINDFSATER 24E-323 AWB

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

MD Reference: Rig on SLOT#04 EX. KINDFSATER 24E-323 (370'FNL & 1479'FWL, XX) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2038.80	1969.27	-4363.55	248.56	176.74	4783.57	48.73	100.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **BEEBE 25C-26-M AWB** Offset Wellpath: **BEEBE 25C-26-M AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **BEEBE 25C-26-M AWB** Offset Wellpath: **BEEBE 25C-26-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1766.00	1746.00	37.00	1719.19	-2915.76	311.02	-2819.53	249.39
9.625in Casing Surface	20.00	1813.00	1793.00	37.00	1761.32	-2915.76	311.02	-2814.32	245.76
8.5in Open Hole	1766.00	14766.00	13000.00	1719.19	N/A	-2819.53	249.39	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14309.98	7160.18	3044.80	-439.74	-8.22	7770.13	165.57	47.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **HOOD 25C-22-M AWB** Offset Wellpath: **HOOD 25C-22-M AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **HOOD 25C-22-M AWB** Offset Wellpath: **HOOD 25C-22-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1762.00	1737.00	10.00	1720.95	849.83	-4982.82	913.23	-4959.83
9.625in Casing Surface	25.00	1762.00	1737.00	10.00	1720.95	849.83	-4982.82	913.23	-4959.83
8.5in Open Hole	1762.00	15615.00	13853.00	1720.95	7164.89	913.23	-4959.83	1349.82	-2228.48

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.23-T06N-R66W Slot: SLOT#08 EX. OGILVY 1 (2121'FSL & 1158'FEL, PR/NB-CD) Well: EX. OGILVY 1 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-6.00	25.00	2845.81	7788.87	69.93	8292.47	25.57	337.03	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	14378.24	7068.28	3259.27	-315.63	-5.53	7767.25	175.77	44.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **HOOD 25N-22C-M AWB** Offset Wellpath: **HOOD 25N-22C-M AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **HOOD 25N-22C-M AWB** Offset Wellpath: **HOOD 25N-22C-M AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1763.00	1738.00	10.00	1711.62	862.04	-4982.81	940.94	-4954.99
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1711.62	862.04	-4982.81	940.94	-4954.99
8.5in Open Hole	1763.00	15526.00	13763.00	1711.62	7075.81	940.94	-4954.99	1429.96	-2237.95

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1182.03	-93.91	1184.80	50.23	24.03	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	5659.32	10447.49	61.56	11881.84	50.19	241.34	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	234.60	169.08	1238.55	25.57	50.30	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7280>	EX. TROUDT 2-27 AWB

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

MD Reference: Rig on SLOT#02 EX. TROUDT 2-27 (1981'FNL & 1987'FWL, AB/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1241.17	9626.74	97.35	9706.42	25.57	394.50	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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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2710.20	7175.61	110.69	7670.37	25.57	311.74	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	-1651.50	4374.49	-1651.50	4374.49
7in Casing Surface	0.00	481.00	481.00	26.00	507.00	-1651.50	4374.49	-1651.50	4374.49
6.25in Open Hole	481.00	7260.00	6779.00	507.00	7286.00	-1651.50	4374.49	-1651.50	4374.49
2.875in Casing Production	0.00	7260.00	7260.00	26.00	7286.00	-1651.50	4374.49	-1651.50	4374.49

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-176.81	1303.36	1.26	4341.33	PASS	
125.00†	125.00	0.00	0.00	120.00	125.00	-1301.34	-72.63	-176.81	1303.36	1.89	1412.88	PASS	
225.00†	225.00	0.00	0.00	236.68	241.68	-1301.10	-72.61	-176.81	1303.23	2.54	824.84	PASS	
300.00	300.00	0.00	0.00	374.03	378.93	-1296.07	-72.20	-176.81	1300.48	3.87	447.07	PASS	
325.00†	325.00	0.10	0.05	419.69	424.47	-1292.95	-71.94	153.85	1298.86	4.42	375.36	PASS	
425.00†	424.96	2.38	1.34	601.44	605.13	-1273.35	-70.33	154.00	1290.38	6.26	243.33	PASS	
525.00†	524.77	7.70	4.33	781.43	782.45	-1242.73	-67.82	154.29	1278.74	8.24	175.51	PASS	
625.00†	624.30	16.05	9.03	959.13	955.28	-1201.68	-64.44	154.71	1264.05	9.70	144.59	PASS	
723.07	721.54	27.18	15.28	1108.99	1098.85	-1158.95	-60.93	155.21	1247.03	10.89	125.54	PASS	
725.00†	723.44	27.43	15.42	1110.88	1100.66	-1158.37	-60.89	155.22	1246.69	10.89	125.45	PASS	
825.00†	822.35	40.25	22.63	1209.20	1194.37	-1128.72	-58.45	155.50	1229.42	11.33	118.53	PASS	
925.00†	921.27	53.08	29.85	1307.52	1288.08	-1099.07	-56.02	155.78	1212.17	11.93	110.46	PASS	
1025.00†	1020.18	65.91	37.06	1405.84	1381.79	-1069.41	-53.58	156.07	1194.96	12.50	103.47	PASS	
1125.00†	1119.09	78.73	44.27	1504.16	1475.50	-1039.76	-51.15	156.37	1177.78	13.11	96.90	PASS	
1225.00†	1218.00	91.56	51.48	1602.49	1569.21	-1010.11	-48.71	156.68	1160.62	13.74	90.78	PASS	
1325.00†	1316.91	104.38	58.69	1700.81	1662.92	-980.45	-46.27	157.00	1143.51	14.39	85.10	PASS	
1425.00†	1415.82	117.21	65.91	1799.13	1756.63	-950.80	-43.84	157.33	1126.43	14.88	80.58	PASS	
1525.00†	1514.73	130.03	73.12	1897.45	1850.35	-921.14	-41.40	157.67	1109.38	15.29	77.11	PASS	
1625.00†	1613.65	142.86	80.33	1995.77	1944.06	-891.49	-38.97	158.02	1092.38	15.70	73.83	PASS	
1725.00†	1712.56	155.69	87.54	2094.09	2037.77	-861.84	-36.53	158.38	1075.41	16.16	70.50	PASS	
1825.00†	1811.47	168.51	94.75	2192.41	2131.48	-832.18	-34.10	158.75	1058.49	16.28	67.93	PASS	
1925.00†	1910.38	181.34	101.97	2290.73	2225.19	-802.53	-31.66	159.13	1041.61	16.53	65.80	PASS	
2025.00†	2009.29	194.16	109.18	2389.05	2318.90	-772.88	-29.23	159.53	1024.78	16.86	63.42	PASS	
2125.00†	2108.20	206.99	116.39	2487.37	2412.61	-743.22	-26.79	159.94	1008.00	17.26	60.87	PASS	
2225.00†	2207.12	219.81	123.60	2585.69	2506.32	-713.57	-24.35	160.36	991.27	17.73	58.20	PASS	
2325.00†	2306.03	232.64	130.81	2684.01	2600.03	-683.92	-21.92	160.80	974.60	18.26	55.48	PASS	
2425.00†	2404.94	245.47	138.02	2782.33	2693.74	-654.26	-19.48	161.25	957.98	18.85	52.75	PASS	
2525.00†	2503.85	258.29	145.24	2880.65	2787.45	-624.61	-17.05	161.72	941.42	19.50	50.06	PASS	
2625.00†	2602.76	271.12	152.45	2978.98	2881.16	-594.95	-14.61	162.20	924.93	20.19	47.43	PASS	
2725.00†	2701.67	283.94	159.66	3077.30	2974.87	-565.30	-12.18	162.70	908.50	20.93	44.89	PASS	
2825.00†	2800.58	296.77	166.87	3175.62	3068.58	-535.65	-9.74	163.23	892.15	21.71	42.45	PASS	
2925.00†	2899.50	309.59	174.08	3273.94	3162.29	-505.99	-7.31	163.76	875.87	22.52	40.13	PASS	
3025.00†	2998.41	322.42	181.30	3372.26	3256.00	-476.34	-4.87	164.32	859.67	23.36	37.92	PASS	
3125.00†	3097.32	335.25	188.51	3470.58	3349.72	-446.69	-2.44	164.91	843.55	24.23	35.83	PASS	
3225.00†	3196.23	348.07	195.72	3568.90	3443.43	-417.03	0.00	165.51	827.52	25.12	33.86	PASS	
3325.00†	3295.14	360.90	202.93	3667.22	3537.14	-387.38	2.44	166.14	811.59	26.04	32.01	PASS	
3425.00†	3394.05	373.72	210.14	3765.54	3630.85	-357.72	4.87	166.79	795.75	26.98	30.26	PASS	
3525.00†	3492.97	386.55	217.36	3863.86	3724.56	-328.07	7.31	167.47	780.02	27.93	28.62	PASS	
3625.00†	3591.88	399.38	224.57	3962.18	3818.27	-298.42	9.74	168.17	764.41	28.91	27.08	PASS	
3725.00†	3690.79	412.20	231.78	4060.50	3911.98	-268.76	12.18	168.91	748.91	29.89	25.64	PASS	
3825.00†	3789.70	425.03	238.99	4158.82	4005.69	-239.11	14.61	169.67	733.54	30.89	24.28	PASS	
3925.00†	3888.61	437.85	246.20	4257.14	4099.40	-209.46	17.05	170.47	718.30	31.90	23.00	PASS	
4025.00†	3987.52	450.68	253.42	4355.46	4193.11	-179.80	19.48	171.30	703.20	32.93	21.80	PASS	
4125.00†	4086.43	463.50	260.63	4453.79	4286.82	-150.15	21.92	172.17	688.26	33.96	20.68	PASS	
4225.00†	4185.35	476.33	267.84	4552.11	4380.53	-120.50	24.35	173.08	673.49	35.00	19.62	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4650.43	4474.24	-90.84	26.79	174.02	658.88	36.05	18.62	PASS	
4425.00†	4383.17	501.98	282.28	4748.75	4567.95	-61.19	29.23	175.01	644.46	37.11	17.68	PASS	
4525.00†	4482.08	514.81	289.47	4847.07	4661.66	-31.53	31.66	176.04	630.24	38.18	16.80	PASS	
4625.00†	4580.99	527.63	296.69	4945.39	4755.38	-1.88	34.10	177.12	616.24	39.26	15.97	PASS	
4725.00†	4679.90	540.46	303.90	5043.71	4849.09	27.77	36.53	178.25	602.46	40.34	15.18	PASS	
4825.00†	4778.82	553.28	311.11	5142.03	4942.80	57.43	38.97	179.43	588.92	41.43	14.45	PASS	
4925.00†	4877.73	566.11	318.32	5240.35	5036.51	87.08	41.40	-179.34	575.64	42.52	13.75	PASS	
5025.00†	4976.64	578.94	325.53	5338.67	5130.22	116.73	43.84	-178.05	562.65	43.62	13.09	PASS	
5125.00†	5075.55	591.76	332.75	5436.99	5223.93	146.39	46.27	-176.70	549.95	44.73	12.48	PASS	
5225.00†	5174.46	604.59	339.96	5535.31	5317.64	176.04	48.71	-175.29	537.57	45.84	11.90	PASS	
5325.00†	5273.37	617.41	347.17	5633.63	5411.35	205.70	51.14	-173.81	525.53	46.95	11.35	PASS	
5425.00†	5372.28	630.24	354.38	5731.95	5505.06	235.35	53.58	-172.27	513.86	48.07	10.83	PASS	
5525.00†	5471.20	643.07	361.59	5830.28	5598.77	265.00	56.02	-170.66	502.58	49.20	10.35	PASS	
5625.00†	5570.11	655.89	368.81	5928.60	5692.48	294.66	58.45	-168.98	491.72	50.33	9.90	PASS	
5725.00†	5669.02	668.72	376.02	6026.92	5786.19	324.31	60.89	-167.22	481.30	51.46	9.47	PASS	
5825.00†	5767.93	681.54	383.23	6125.24	5879.90	353.96	63.32	-165.40	471.37	52.59	9.07	PASS	
5925.00†	5866.84	694.37	390.44	6223.56	5973.61	383.62	65.76	-163.49	461.94	53.73	8.70	PASS	
6025.00†	5965.75	707.19	397.65	6321.88	6067.32	413.27	68.19	-161.51	453.05	54.88	8.35	PASS	
6125.00†	6064.66	720.02	404.87	6420.20	6161.03	442.92	70.63	-159.46	444.73	56.02	8.03	PASS	
6225.00†	6163.58	732.85	412.08	6518.52	6254.75	472.58	73.06	-157.34	437.01	57.16	7.73	PASS	
6325.00†	6262.49	745.67	419.29	6615.14	6346.83	501.72	75.45	-155.18	429.94	58.30	7.45	PASS	
6396.56†	6333.27	754.85	424.45	6660.63	6390.20	515.41	74.73	-154.00	427.64	59.05	7.32	PASS	
6425.00†	6361.40	758.50	426.50	6678.16	6406.89	520.66	73.58	-153.48	428.00	59.31	7.29	PASS	
6457.67†	6393.71	762.69	428.86	6698.41	6426.12	526.71	71.66	-152.84	429.33	59.58	7.28	PASS	
6525.00†	6460.31	771.32	433.71	6739.38	6464.80	538.83	65.82	-151.42	435.22	60.11	7.32	PASS	
6533.75	6468.97	772.45	434.34	6744.61	6469.71	540.37	64.89	-151.23	436.30	60.19	7.32	PASS	
6625.00†	6558.44	784.11	447.41	6796.29	6517.80	555.37	53.41	-179.39	457.40	60.96	7.58	PASS	
6725.00†	6653.23	796.63	476.37	6844.42	6561.67	569.00	39.08	169.61	501.42	61.80	8.20	PASS	
6825.00†	6742.33	808.56	519.92	6881.82	6594.98	579.29	25.57	163.36	564.50	62.35	9.15	PASS	
6925.00†	6823.57	819.61	577.00	6908.26	6618.05	586.40	14.80	156.80	642.41	62.57	10.37	PASS	
7025.00†	6894.93	829.52	646.20	6924.63	6632.12	590.73	7.62	146.39	730.66	62.62	11.79	PASS	
7125.00†	6954.67	838.03	725.81	6932.28	6638.64	592.73	4.14	125.81	825.14	62.61	13.32	PASS	
7225.00†	7001.30	844.93	813.89	6932.63	6638.93	592.82	3.98	88.43	922.40	62.65	14.88	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

Clearance Report

TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	-44.28	-690.97	-35.87
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1709.81	-793.29	-44.28	-690.97	-35.87
8.5in Open Hole	1750.00	16627.98	14877.98	1709.81	6904.00	-690.97	-35.87	-239.50	-2935.80

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1217.91	11170.02	83.78	11236.22	25.57	456.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7670.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7670>	EX. SEELY LAKE 1 AWB

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

MD Reference: Rig on SLOT#02 EX. SEELY LAKE 1 (530'FSL & 2160'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	5.67	19.67	3928.07	8484.06	65.16	9349.27	50.17	189.99	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	2395.44	5171.47	2395.52	5171.83
9.625in Casing Surface	0.00	314.00	314.00	-11.00	302.99	2395.44	5171.47	2395.52	5171.83
7.875in Open Hole	314.00	7250.00	6936.00	302.99	7238.38	2395.52	5171.83	2377.62	5164.94
4.5in Casing Production	0.00	7250.00	7250.00	-11.00	7238.38	2395.44	5171.47	2377.62	5164.94

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	2882.98	9842.99	73.68	10256.51	50.17	208.43	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FNL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	TROUDT 40N-23C-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°FNL, 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	-1106.12	-138.99	1685.80	25.57	68.48	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°FNL, 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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	3949.93	4268.59	47.22	5815.74	50.56	117.25	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	2408.10	2601.93	2408.10	2601.93
9.625in Casing Surface	0.00	511.00	511.00	-17.00	494.00	2408.10	2601.93	2408.10	2601.93
7.875in Open Hole	511.00	7263.00	6752.00	494.00	7246.00	2408.10	2601.93	2408.10	2601.93
4.5in Casing Production	0.00	7263.00	7263.00	-17.00	7246.00	2408.10	2601.93	2408.10	2601.93

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1365.19	5565.14	103.78	5730.14	25.57	232.88	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	-831.84	3392.60	-832.10	3392.49
8.625in Casing Surface	0.00	481.00	481.00	26.00	507.00	-831.84	3392.60	-832.10	3392.49
7.875in Open Hole	481.00	7259.00	6778.00	507.00	7283.42	-832.10	3392.49	-816.74	3387.03
4.5in Casing Production	0.00	7259.00	7259.00	26.00	7283.42	-831.84	3392.60	-816.74	3387.03

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	8.34	19.34	4018.65	6903.79	59.80	7988.24	50.13	162.33	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	2450.36	4208.21	2450.78	4208.46
8.625in Casing Surface	0.00	416.00	416.00	-14.00	401.99	2450.36	4208.21	2450.78	4208.46
7.875in Open Hole	416.00	7256.00	6840.00	401.99	7241.24	2450.78	4208.46	2448.91	4211.46
4.5in Casing Production	0.00	7256.00	7256.00	-14.00	7241.24	2450.36	4208.21	2448.91	4211.46

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.28-T06N-R66W Slot: SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL) Well: EX. KNAUS D 1-28 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	5.00	25.00	46.04	-2596.12	-88.98	2596.53	50.18	52.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7260.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7260'>	EX. KNAUS D 1-28 AWB

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

MD Reference: Rig on SLOT#02 EX. KNAUS D 1-28 (660'FNL & 660'FEL, SI/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1046.21	-2249.79	-114.94	2481.15	25.57	100.81	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: Rlg on SLOT#05 EX. KNAUS 28-8 (1981'FNL & 662'FEL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2714.13	9597.01	105.79	9973.42	25.57	405.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. TODD 13-25 AWB** Offset Wellpath: **EX. TODD 13-25 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. TODD 13-25 AWB** Offset Wellpath: **EX. TODD 13-25 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7100.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100-7100>	EX. TODD 13-25 AWB
7100.00	7311.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7311>	EX. TODD 13-25 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. TODD 13-25 AWB** Offset Wellpath: **EX. TODD 13-25 AWP**

MD Reference: Rig on SLOT#01 EX. TODD 13-25 (1980'FSL & 660'FWL, PR/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	17.65	20.65	4299.81	9919.78	66.57	10811.59	50.17	219.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6500.00	BHI Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO PROVIDED BY SRC <100'-6500'>	EX. KENT 1 AWB
6500.00	9027.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <9027'>	EX. KENT 1 AWB

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

MD Reference: Rig on SLOT#06 EX. KENT 1 (1650'FNL & 990'FWL, PR/CODL) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-176.85	1323.37	1.26	4408.02	PASS	
125.00†	125.00	0.00	0.00	120.00	125.00	-1321.37	-72.63	-176.85	1323.37	1.89	1434.59	PASS	
225.00†	225.00	0.00	0.00	220.00	225.00	-1321.37	-72.63	-176.85	1323.37	2.46	886.22	PASS	
300.00	300.00	0.00	0.00	295.00	300.00	-1321.37	-72.63	-176.85	1323.37	2.90	681.72	PASS	
325.00†	325.00	0.10	0.05	337.15	342.15	-1321.13	-72.61	-153.80	1323.34	3.14	607.43	PASS	
425.00†	424.96	2.38	1.34	522.74	527.52	-1312.75	-71.85	-153.90	1321.15	5.15	315.48	PASS	
525.00†	524.77	7.70	4.33	707.60	711.23	-1292.54	-70.02	-154.14	1315.65	7.28	208.22	PASS	
625.00†	624.30	16.05	9.03	891.12	891.93	-1260.85	-67.15	-154.51	1306.87	9.05	161.56	PASS	
723.07	721.54	27.18	15.28	1069.24	1065.03	-1219.14	-63.38	-155.01	1295.17	10.42	136.89	PASS	
725.00†	723.44	27.43	15.42	1072.72	1068.38	-1218.21	-63.30	-155.01	1294.91	10.43	136.65	PASS	
825.00†	822.35	40.25	22.63	1172.86	1164.88	-1191.55	-60.88	-155.27	1281.26	10.93	128.43	PASS	
925.00†	921.27	53.08	29.85	1271.76	1260.18	-1165.21	-58.50	-155.53	1267.63	11.47	120.54	PASS	
1025.00†	1020.18	65.91	37.06	1370.66	1355.48	-1138.87	-56.12	-155.80	1254.03	12.02	113.38	PASS	
1125.00†	1119.09	78.73	44.27	1469.56	1450.77	-1112.53	-53.74	-156.07	1240.45	12.60	106.48	PASS	
1225.00†	1218.00	91.56	51.48	1568.46	1546.07	-1086.19	-51.35	-156.35	1226.91	13.22	100.04	PASS	
1325.00†	1316.91	104.38	58.69	1667.36	1641.37	-1059.86	-48.97	-156.64	1213.39	13.85	94.06	PASS	
1425.00†	1415.82	117.21	65.91	1766.26	1736.67	-1033.52	-46.59	-156.93	1199.90	14.39	88.97	PASS	
1525.00†	1514.73	130.03	73.12	1865.16	1831.97	-1007.18	-44.21	-157.23	1186.45	14.84	85.13	PASS	
1625.00†	1613.65	142.86	80.33	1964.06	1927.26	-980.84	-41.82	-157.53	1173.02	15.24	81.83	PASS	
1725.00†	1712.56	155.69	87.54	2062.95	2022.56	-954.50	-39.44	-157.84	1159.63	15.69	78.45	PASS	
1825.00†	1811.47	168.51	94.75	2161.85	2117.86	-928.17	-37.06	-158.16	1146.28	15.80	75.92	PASS	
1925.00†	1910.38	181.34	101.97	2260.75	2213.16	-901.83	-34.67	-158.49	1132.96	16.03	73.89	PASS	
2025.00†	2009.29	194.16	109.18	2359.65	2308.45	-875.49	-32.29	-158.82	1119.67	16.34	71.56	PASS	
2125.00†	2108.20	206.99	116.39	2458.55	2403.75	-849.15	-29.91	-159.16	1106.43	16.73	69.00	PASS	
2225.00†	2207.12	219.81	123.60	2557.45	2499.05	-822.81	-27.53	-159.51	1093.23	17.19	66.28	PASS	
2325.00†	2306.03	232.64	130.81	2656.35	2594.35	-796.48	-25.14	-159.87	1080.06	17.71	63.47	PASS	
2425.00†	2404.94	245.47	138.02	2755.25	2689.65	-770.14	-22.76	-160.24	1066.94	18.29	60.63	PASS	
2525.00†	2503.85	258.29	145.24	2854.15	2784.94	-743.80	-20.38	-160.62	1053.87	18.93	57.80	PASS	
2625.00†	2602.76	271.12	152.45	2953.05	2880.24	-717.46	-18.00	-161.00	1040.84	19.61	55.03	PASS	
2725.00†	2701.67	283.94	159.66	3051.95	2975.54	-691.13	-15.61	-161.40	1027.85	20.34	52.33	PASS	
2825.00†	2800.58	296.77	166.87	3150.85	3070.84	-664.79	-13.23	-161.80	1014.92	21.10	49.74	PASS	
2925.00†	2899.50	309.59	174.08	3249.74	3166.14	-638.45	-10.85	-162.22	1002.04	21.90	47.25	PASS	
3025.00†	2998.41	322.42	181.30	3348.64	3261.43	-612.11	-8.47	-162.65	989.21	22.73	44.89	PASS	
3125.00†	3097.32	335.25	188.51	3447.54	3356.73	-585.77	-6.08	-163.08	976.44	23.59	42.65	PASS	
3225.00†	3196.23	348.07	195.72	3546.44	3452.03	-559.44	-3.70	-163.53	963.73	24.47	40.53	PASS	
3325.00†	3295.14	360.90	202.93	3645.34	3547.33	-533.10	-1.32	-164.00	951.08	25.37	38.54	PASS	
3425.00†	3394.05	373.72	210.14	3744.24	3642.62	-506.76	1.07	-164.47	938.48	26.29	36.66	PASS	
3525.00†	3492.97	386.55	217.36	3843.14	3737.92	-480.42	3.45	-164.96	925.96	27.23	34.88	PASS	
3625.00†	3591.88	399.38	224.57	3942.04	3833.22	-454.08	5.83	-165.46	913.50	28.19	33.22	PASS	
3725.00†	3690.79	412.20	231.78	4040.94	3928.52	-427.75	8.21	-165.97	901.12	29.16	31.65	PASS	
3825.00†	3789.70	425.03	238.99	4139.84	4023.82	-401.41	10.60	-166.50	888.80	30.14	30.18	PASS	
3925.00†	3888.61	437.85	246.20	4238.74	4119.11	-375.07	12.98	-167.04	876.57	31.13	28.79	PASS	
4025.00†	3987.52	450.68	253.42	4337.64	4214.41	-348.73	15.36	-167.60	864.41	32.14	27.48	PASS	
4125.00†	4086.43	463.50	260.63	4436.53	4309.71	-322.40	17.74	-168.17	852.34	33.15	26.25	PASS	
4225.00†	4185.35	476.33	267.84	4535.43	4405.01	-296.06	20.13	-168.76	840.35	34.18	25.09	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4634.33	4500.31	-269.72	22.51	169.37	828.46	35.21	23.99	PASS	
4425.00†	4383.17	501.98	282.26	4733.23	4595.60	-243.38	24.89	169.99	816.66	36.24	22.96	PASS	
4525.00†	4482.08	514.81	289.47	4832.13	4690.90	-217.04	27.27	170.63	804.96	37.29	21.99	PASS	
4625.00†	4580.99	527.63	296.69	4931.03	4786.20	-190.71	29.66	171.29	793.36	38.34	21.06	PASS	
4725.00†	4679.90	540.46	303.90	5029.93	4881.50	-164.37	32.04	171.97	781.87	39.40	20.19	PASS	
4825.00†	4778.82	553.28	311.11	5128.83	4976.79	-138.03	34.42	172.67	770.50	40.46	19.37	PASS	
4925.00†	4877.73	566.11	318.32	5227.73	5072.09	-111.69	36.80	173.39	759.24	41.52	18.58	PASS	
5025.00†	4976.64	578.94	325.53	5326.63	5167.39	-85.35	39.19	174.13	748.11	42.59	17.84	PASS	
5125.00†	5075.55	591.76	332.75	5425.53	5262.69	-59.02	41.57	174.90	737.10	43.67	17.14	PASS	
5225.00†	5174.46	604.59	339.96	5524.42	5357.99	-32.68	43.95	175.68	726.23	44.75	16.47	PASS	
5325.00†	5273.37	617.41	347.17	5623.32	5453.28	-6.34	46.34	176.50	715.50	45.83	15.84	PASS	
5425.00†	5372.28	630.24	354.38	5722.22	5548.58	20.00	48.72	177.33	704.92	46.92	15.24	PASS	
5525.00†	5471.20	643.07	361.59	5821.12	5643.88	46.34	51.10	178.19	694.49	48.01	14.67	PASS	
5625.00†	5570.11	655.89	368.81	5920.02	5739.18	72.67	53.48	179.07	684.22	49.10	14.12	PASS	
5725.00†	5669.02	668.72	376.02	6018.92	5834.48	99.01	55.87	179.99	674.12	50.19	13.61	PASS	
5825.00†	5767.93	681.54	383.23	6117.82	5929.77	125.35	58.25	-179.08	664.20	51.29	13.12	PASS	
5925.00†	5866.84	694.37	390.44	6216.72	6025.07	151.69	60.63	-178.11	654.46	52.39	12.65	PASS	
6025.00†	5965.75	707.19	397.65	6315.62	6120.37	178.02	63.01	-177.11	644.91	53.49	12.20	PASS	
6125.00†	6064.66	720.02	404.87	6414.52	6215.67	204.36	65.40	-176.09	635.56	54.60	11.78	PASS	
6225.00†	6163.58	732.85	412.08	6513.42	6310.96	230.70	67.78	-175.04	626.43	55.70	11.38	PASS	
6325.00†	6262.49	745.67	419.29	6612.32	6406.26	257.04	70.16	-173.95	617.51	56.81	10.99	PASS	
6425.00†	6361.40	758.50	426.50	6711.21	6501.56	283.38	72.54	-172.84	608.83	57.92	10.63	PASS	
6525.00†	6460.31	771.32	433.71	6810.11	6596.86	309.72	74.92	-171.73	600.34	59.03	10.28	PASS	
6533.75	6468.97	772.45	434.34	6786.21	6573.82	303.32	71.86	-171.78	602.06	59.05	10.31	PASS	
6551.82†	6486.82	774.76	435.90	6797.70	6584.87	306.35	71.01	-179.86	601.80	59.23	10.27	PASS	
6614.27†	6548.02	782.75	445.21	6834.79	6620.40	316.11	66.88	161.89	605.08	59.84	10.22	PASS	
6625.00†	6558.44	784.11	447.41	6840.97	6626.31	317.73	65.99	159.96	606.30	59.95	10.22	PASS	
6725.00†	6653.23	796.63	476.37	6893.95	6676.45	331.45	55.88	149.20	627.49	61.09	10.38	PASS	
6825.00†	6742.33	808.56	519.92	6936.76	6716.28	342.30	44.57	143.52	666.36	62.13	10.84	PASS	
6925.00†	6823.57	819.61	577.00	6968.46	6745.26	350.17	34.42	138.20	721.73	62.90	11.59	PASS	
7025.00†	6894.93	829.52	646.20	6989.53	6764.24	355.32	26.86	131.12	790.90	63.40	12.60	PASS	
7125.00†	6954.67	838.03	725.81	7001.17	6774.62	358.13	22.40	120.68	870.35	63.71	13.80	PASS	
7225.00†	7001.30	844.93	813.89	7004.81	6777.85	359.00	20.97	105.68	956.44	63.95	15.11	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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	-44.28	-719.09	-36.46
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1721.00	-805.51	-44.28	-719.09	-36.46
8.5in Open Hole	1750.00	16743.37	14993.37	1721.00	7091.00	-719.09	-36.46	-303.69	-2936.16

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.27-T06N-R66W Slot: SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280'MD,PA) Well: ARNBRECHT #1-27 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	-7.00	25.00	-2560.24	2892.21	131.52	3862.61	25.57	156.97	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	-1560.62	1763.18	-1560.62	1763.18
8.625in Casing Surface	0.00	434.00	434.00	7.00	441.00	-1560.62	1763.18	-1560.62	1763.18
7.875in Open Hole	434.00	7280.00	6846.00	441.00	7287.00	-1560.62	1763.18	-1560.62	1763.18
4.5in Casing Production	0.00	7280.00	7280.00	7.00	7287.00	-1560.62	1763.18	-1560.62	1763.18

WELLPATH COMPOSITION - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7280.00	Drift Indicator - Inclination Only (Actual Survey)	DRIFT INDICATOR TO TD <7280'FROM CO WEBSITE>	ARNBRECHT #1-27 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: ARNBRECHT #1-27 AWB Offset Wellpath: ARNBRECHT #1-27 AWP

MD Reference: Rig on SLOT#07 ARNBRECHT #1-27 (1980'FSL & 660'FEL SEC.27,7280'MD,PA) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	17.83	24.83	4083.94	5760.33	54.66	7061.16	50.13	143.49	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **ALLES #2-23 AWB** Offset Wellpath: **ALLES #2-23 AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **ALLES #2-23 AWB** Offset Wellpath: **ALLES #2-23 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	311.00	311.00	-18.00	293.00	2489.98	3511.21	2490.34	3511.06
8.625in Casing Surface	0.00	311.00	311.00	-18.00	293.00	2489.98	3511.21	2490.34	3511.06
7.875in Open Hole	311.00	7300.00	6989.00	293.00	7281.00	2490.34	3511.06	2474.01	3500.86
4.5in Casing Production	0.00	7300.00	7300.00	-18.00	7281.00	2489.98	3511.21	2474.01	3500.86

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.28-T06N-R66W				Slot: SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD)			Well: EX. BUXMAN 28-15		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	-579.78	-3237.58	-100.15	3289.08	50.20	66.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **EX. BUXMAN 28-15 AWB** Offset Wellpath: **EX. BUXMAN 28-15 AWP**

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

WELLPATH COMPOSITION - Offset Wellbore: **EX. BUXMAN 28-15 AWB** Offset Wellpath: **EX. BUXMAN 28-15 AWP**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7274.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD FROM COGCC <7274">	EX. BUXMAN 28-15 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: **EX. BUXMAN 28-15 AWB** Offset Wellpath: **EX. BUXMAN 28-15 AWP**

MD Reference: Rig on SLOT#08 EX. BUXMAN 28-15 (1317'FNL & 1474'FEL, SI/NB-CD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2380.77	4434.15	118.23	5032.87	25.57	204.53	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	-1451.07	2703.19	-1451.23	2702.85
8.625in Casing Surface	0.00	325.00	325.00	9.00	334.00	-1451.07	2703.19	-1451.23	2702.85
7.875in Open Hole	325.00	7302.00	6977.00	334.00	7308.65	-1451.23	2702.85	-1420.96	2673.64
4.5in Casing Production	0.00	7302.00	7302.00	9.00	7308.65	-1451.07	2703.19	-1420.96	2673.64

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-176.90	1343.38	1.26	4474.71	PASS	
125.00†	125.00	0.00	0.00	120.00	125.00	-1341.41	-72.63	-176.90	1343.38	1.89	1456.32	PASS	
225.00†	225.00	0.00	0.00	237.62	242.62	-1341.17	-72.60	-176.90	1343.25	2.55	846.93	PASS	
300.00	300.00	0.00	0.00	378.47	383.35	-1335.88	-72.06	-176.91	1340.42	3.92	453.67	PASS	
325.00†	325.00	0.10	0.05	425.28	430.04	-1332.60	-71.73	153.75	1338.76	4.48	380.62	PASS	
425.00†	424.96	2.38	1.34	611.58	615.17	-1312.05	-69.62	153.88	1330.01	6.33	247.74	PASS	
525.00†	524.77	7.70	4.33	795.97	796.68	-1279.97	-66.33	154.14	1317.96	8.31	179.21	PASS	
625.00†	624.30	16.05	9.03	930.49	927.73	-1249.81	-63.24	154.45	1303.73	9.34	155.61	PASS	
723.07	721.54	27.18	15.28	1027.77	1022.34	-1227.27	-60.93	154.75	1292.26	10.11	141.24	PASS	
725.00†	723.44	27.43	15.42	1029.69	1024.20	-1226.82	-60.88	154.75	1292.06	10.11	141.11	PASS	
825.00†	822.35	40.25	22.63	1129.02	1120.80	-1203.80	-58.52	155.00	1281.92	10.61	132.73	PASS	
925.00†	921.27	53.08	29.85	1228.35	1217.40	-1180.78	-56.16	155.25	1271.81	11.13	124.96	PASS	
1025.00†	1020.18	65.91	37.06	1327.69	1314.00	-1157.76	-53.80	155.50	1261.72	11.70	117.45	PASS	
1125.00†	1119.09	78.73	44.27	1427.02	1410.60	-1134.74	-51.44	155.76	1251.66	12.29	110.42	PASS	
1225.00†	1218.00	91.56	51.48	1526.35	1507.20	-1111.72	-49.08	156.02	1241.62	12.90	103.90	PASS	
1325.00†	1316.91	104.38	58.69	1625.69	1603.80	-1088.70	-46.72	156.28	1231.61	13.54	97.87	PASS	
1425.00†	1415.82	117.21	65.91	1725.02	1700.41	-1065.68	-44.36	156.55	1221.63	14.19	92.31	PASS	
1525.00†	1514.73	130.03	73.12	1824.36	1797.01	-1042.66	-42.00	156.83	1211.67	14.64	88.20	PASS	
1625.00†	1613.65	142.86	80.33	1923.69	1893.61	-1019.64	-39.64	157.11	1201.74	15.03	85.11	PASS	
1725.00†	1712.56	155.69	87.54	2023.02	1990.21	-996.62	-37.28	157.39	1191.84	15.45	81.92	PASS	
1825.00†	1811.47	168.51	94.75	2122.36	2086.81	-973.60	-34.92	157.68	1181.96	15.55	79.60	PASS	
1925.00†	1910.38	181.34	101.97	2221.69	2183.41	-950.58	-32.56	157.97	1172.12	15.76	77.81	PASS	
2025.00†	2009.29	194.16	109.18	2321.02	2280.01	-927.56	-30.20	158.27	1162.31	16.06	75.69	PASS	
2125.00†	2108.20	206.99	116.39	2420.36	2376.61	-904.54	-27.84	158.57	1152.53	16.42	73.29	PASS	
2225.00†	2207.12	219.81	123.60	2519.69	2473.21	-881.52	-25.48	158.88	1142.79	16.86	70.70	PASS	
2325.00†	2306.03	232.64	130.81	2619.03	2569.81	-858.50	-23.11	159.19	1133.07	17.36	67.98	PASS	
2425.00†	2404.94	245.47	138.02	2718.36	2666.41	-835.48	-20.75	159.51	1123.39	17.93	65.20	PASS	
2525.00†	2503.85	258.29	145.24	2817.69	2763.01	-812.46	-18.39	159.83	1113.75	18.54	62.41	PASS	
2625.00†	2602.76	271.12	152.45	2917.03	2859.61	-789.43	-16.03	160.16	1104.14	19.21	59.64	PASS	
2725.00†	2701.67	283.94	159.66	3016.36	2956.21	-766.41	-13.67	160.50	1094.57	19.92	56.94	PASS	
2825.00†	2800.58	296.77	166.87	3115.69	3052.81	-743.39	-11.31	160.84	1085.04	20.67	54.33	PASS	
2925.00†	2899.50	309.59	174.08	3215.03	3149.42	-720.37	-8.95	161.19	1075.55	21.45	51.83	PASS	
3025.00†	2998.41	322.42	181.30	3314.36	3246.02	-697.35	-6.59	161.54	1066.09	22.26	49.43	PASS	
3125.00†	3097.32	335.25	188.51	3413.70	3342.62	-674.33	-4.23	161.90	1056.68	23.10	47.16	PASS	
3225.00†	3196.23	348.07	195.72	3513.03	3439.22	-651.31	-1.87	162.27	1047.31	23.97	45.00	PASS	
3325.00†	3295.14	360.90	202.93	3612.36	3535.82	-628.29	0.49	162.64	1037.98	24.85	42.96	PASS	
3425.00†	3394.05	373.72	210.14	3711.70	3632.42	-605.27	2.85	163.02	1028.70	25.76	41.03	PASS	
3525.00†	3492.97	386.55	217.36	3811.03	3729.02	-582.25	5.21	163.41	1019.46	26.69	39.22	PASS	
3625.00†	3591.88	399.38	224.57	3910.36	3825.62	-559.23	7.57	163.80	1010.27	27.63	37.51	PASS	
3725.00†	3690.79	412.20	231.78	4009.70	3922.22	-536.21	9.93	164.20	1001.13	28.58	35.89	PASS	
3825.00†	3789.70	425.03	238.99	4109.03	4018.82	-513.19	12.29	164.61	992.04	29.55	34.37	PASS	
3925.00†	3888.61	437.85	246.20	4208.37	4115.42	-490.17	14.65	165.02	983.00	30.53	32.94	PASS	
4025.00†	3987.52	450.68	253.42	4307.70	4212.02	-467.15	17.01	165.45	974.01	31.52	31.59	PASS	
4125.00†	4086.43	463.50	260.63	4407.03	4308.62	-444.13	19.37	165.88	965.08	32.51	30.32	PASS	
4225.00†	4185.35	476.33	267.84	4506.37	4405.22	-421.11	21.73	166.32	956.20	33.52	29.12	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4605.70	4501.82	-398.09	24.09	166.76	947.37	34.54	27.98	PASS	
4425.00†	4383.17	501.98	282.26	4705.03	4598.42	-375.07	26.45	167.22	938.61	35.56	26.91	PASS	
4525.00†	4482.08	514.81	289.47	4804.37	4695.03	-352.05	28.81	167.68	929.91	36.59	25.90	PASS	
4625.00†	4580.99	527.63	296.69	4903.70	4791.63	-329.03	31.17	168.15	921.27	37.62	24.94	PASS	
4725.00†	4679.90	540.46	303.90	5003.03	4888.23	-306.01	33.53	168.63	912.69	38.66	24.03	PASS	
4825.00†	4778.82	553.28	311.11	5102.37	4984.83	-282.99	35.89	169.12	904.18	39.71	23.17	PASS	
4925.00†	4877.73	566.11	318.32	5201.70	5081.43	-259.97	38.25	169.62	895.73	40.76	22.35	PASS	
5025.00†	4976.64	578.94	325.53	5301.04	5178.03	-236.95	40.61	170.13	887.36	41.81	21.57	PASS	
5125.00†	5075.55	591.76	332.75	5400.37	5274.63	-213.92	42.97	170.65	879.05	42.87	20.83	PASS	
5225.00†	5174.46	604.59	339.96	5499.70	5371.23	-190.90	45.33	171.18	870.82	43.93	20.13	PASS	
5325.00†	5273.37	617.41	347.17	5599.04	5467.83	-167.88	47.69	171.72	862.67	45.00	19.46	PASS	
5425.00†	5372.28	630.24	354.38	5698.37	5564.43	-144.86	50.05	172.27	854.59	46.07	18.82	PASS	
5525.00†	5471.20	643.07	361.59	5797.70	5661.03	-121.84	52.41	172.83	846.59	47.14	18.22	PASS	
5625.00†	5570.11	655.89	368.81	5897.04	5757.63	-98.82	54.77	173.39	838.67	48.21	17.64	PASS	
5725.00†	5669.02	668.72	376.02	5996.37	5854.23	-75.80	57.14	173.97	830.84	49.29	17.09	PASS	
5825.00†	5767.93	681.54	383.23	6095.71	5950.83	-52.78	59.50	174.57	823.10	50.37	16.56	PASS	
5925.00†	5866.84	694.37	390.44	6195.04	6047.43	-29.76	61.86	175.17	815.44	51.45	16.06	PASS	
6025.00†	5965.75	707.19	397.65	6294.37	6144.03	-6.74	64.22	175.78	807.88	52.54	15.57	PASS	
6125.00†	6064.66	720.02	404.87	6393.71	6240.64	16.28	66.58	176.41	800.41	53.62	15.11	PASS	
6225.00†	6163.58	732.85	412.08	6493.04	6337.24	39.30	68.94	177.04	793.04	54.71	14.67	PASS	
6325.00†	6262.49	745.67	419.29	6591.30	6423.07	59.75	70.72	177.64	785.98	55.76	14.26	PASS	
6425.00†	6361.40	758.50	426.50	6644.27	6484.21	74.28	67.14	178.38	782.55	56.69	13.97	PASS	
6443.44†	6379.64	760.86	427.83	6654.37	6493.98	76.59	65.99	178.54	782.45	56.86	13.92	PASS	
6525.00†	6460.31	771.32	433.71	6705.07	6542.66	88.11	57.81	179.47	784.13	57.63	13.76	PASS	
6533.75	6468.97	772.45	434.34	6710.26	6547.60	89.28	56.75	179.58	784.52	57.71	13.75	PASS	
6579.36†	6513.92	778.29	439.26	6736.54	6572.50	95.15	50.74	161.33	788.07	58.51	13.62	PASS	
6625.00†	6558.44	784.11	447.41	6761.23	6595.65	100.61	44.14	150.81	794.48	58.57	13.72	PASS	
6725.00†	6653.23	796.63	476.37	6808.32	6639.06	110.81	29.01	139.25	818.95	59.49	13.92	PASS	
6825.00†	6742.33	808.56	519.92	6844.60	6671.68	118.45	15.14	132.62	857.93	60.26	14.39	PASS	
6925.00†	6823.57	819.61	577.00	6870.01	6694.06	123.69	4.29	126.39	910.54	60.84	15.13	PASS	
7025.00†	6894.93	829.52	646.20	6885.49	6707.48	126.82	-2.76	118.80	974.72	61.29	16.08	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	-44.28	-731.92	-35.48
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1724.70	-817.72	-44.28	-731.92	-35.48
8.5in Open Hole	1750.00	16573.07	14823.07	1724.70	6975.00	-731.92	-35.48	-376.42	-2936.53

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2939.46	5298.62	119.02	6059.35	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	-1791.55	3230.23	-1791.92	3230.11
8.625in Casing Surface	0.00	253.00	253.00	22.00	275.00	-1791.55	3230.23	-1791.92	3230.11
7.875in Open Hole	253.00	7700.00	7447.00	275.00	7721.30	-1791.92	3230.11	-1790.47	3212.35
5.5in Casing Intermediate	0.00	7700.00	7700.00	22.00	7721.30	-1791.55	3230.23	-1790.47	3212.35

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.28-T06N-R66W				Slot: SLOT#01 EX. RONALD 1-28 (1980'FNL & 1980'FEL, AB/CODL)			Well: EX. RONALD 1-28		Threshold Value=1.00		† = interpolated/extrapolated station	
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	14.00	25.00	-1252.28	-3733.53	-108.54	3937.95	50.20	79.97	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2423.12	-3916.00	-121.75	4605.06	25.57	187.14	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	16.33	28.33	3858.29	2957.94	37.48	4861.67	50.13	98.79	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	2352.12	1803.03	2351.96	1802.79
8.625in Casing Surface	0.00	472.00	472.00	-13.00	459.00	2352.12	1803.03	2351.96	1802.79
7.875in Open Hole	472.00	7293.00	6821.00	459.00	7279.53	2351.96	1802.79	2342.69	1796.07
4.5in Casing Production	0.00	7293.00	7293.00	-13.00	7279.53	2352.12	1803.03	2342.69	1796.07

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	48.25	-5070.09	-89.46	5070.32	50.17	103.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **EX. SWANSON 28-24 AWB** Offset Wellpath: **EX. SWANSON 28-24 AWP**

Facility: SEC.28-T06N-R66W				Slot: SLOT#03 EX. SWANSON 28-24 (1835'FNL & 2126'FWL, PR/CODL)				Well: EX. SWANSON 28-24				Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status		
25.00	25.00	0.00	0.00	-5.00	25.00	-1129.62	-4932.31	-102.90	5060.01	25.57	205.64	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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-176.95	1363.02	1.26	4540.19	PASS	
125.00†	125.00	0.00	0.00	120.00	125.00	-1361.08	-72.63	-176.95	1363.02	1.89	1477.66	PASS	
225.00†	225.00	0.00	0.00	220.00	225.00	-1361.08	-72.63	-176.95	1363.02	2.46	912.83	PASS	
300.00	300.00	0.00	0.00	335.66	340.64	-1359.81	-72.48	-176.95	1362.35	3.20	609.79	PASS	
325.00†	325.00	0.10	0.05	383.20	388.15	-1358.01	-72.27	153.71	1361.49	3.67	501.91	PASS	
425.00†	424.96	2.38	1.34	572.78	577.10	-1343.04	-70.50	153.81	1355.90	5.76	282.60	PASS	
525.00†	524.77	7.70	4.33	760.97	763.26	-1315.95	-67.30	154.03	1346.87	7.77	197.72	PASS	
625.00†	624.30	16.05	9.03	900.61	900.14	-1288.51	-64.07	154.31	1335.41	8.97	166.65	PASS	
723.07	721.54	27.18	15.28	998.18	995.60	-1268.46	-61.70	154.57	1326.55	9.76	150.72	PASS	
725.00†	723.44	27.43	15.42	1000.10	997.48	-1268.07	-61.66	154.58	1326.40	9.77	150.58	PASS	
825.00†	822.35	40.25	22.63	1099.68	1094.90	-1247.60	-59.24	154.81	1318.92	10.24	142.14	PASS	
925.00†	921.27	53.08	29.85	1199.26	1192.33	-1227.14	-56.83	155.04	1311.47	10.71	134.41	PASS	
1025.00†	1020.18	65.91	37.06	1298.84	1289.75	-1206.67	-54.41	155.27	1304.03	11.33	125.69	PASS	
1125.00†	1119.09	78.73	44.27	1398.43	1387.18	-1186.21	-52.00	155.51	1296.62	11.92	118.28	PASS	
1225.00†	1218.00	91.56	51.48	1498.01	1484.60	-1165.75	-49.59	155.75	1289.22	12.53	111.42	PASS	
1325.00†	1316.91	104.38	58.69	1597.59	1582.03	-1145.28	-47.17	155.99	1281.86	13.15	105.09	PASS	
1425.00†	1415.82	117.21	65.91	1697.17	1679.46	-1124.82	-44.76	156.23	1274.51	13.79	99.26	PASS	
1525.00†	1514.73	130.03	73.12	1796.75	1776.88	-1104.35	-42.34	156.48	1267.19	14.29	94.69	PASS	
1625.00†	1613.65	142.86	80.33	1896.33	1874.31	-1083.89	-39.93	156.73	1259.89	14.71	91.28	PASS	
1725.00†	1712.56	155.69	87.54	1995.91	1971.73	-1063.42	-37.51	156.98	1252.61	15.13	88.08	PASS	
1825.00†	1811.47	168.51	94.75	2095.49	2069.16	-1042.96	-35.10	157.24	1245.36	15.21	85.81	PASS	
1925.00†	1910.38	181.34	101.97	2195.08	2166.59	-1022.49	-32.68	157.50	1238.14	15.42	84.14	PASS	
2025.00†	2009.29	194.16	109.18	2294.66	2264.01	-1002.03	-30.27	157.76	1230.94	15.70	82.07	PASS	
2125.00†	2108.20	206.99	116.39	2394.24	2361.44	-981.56	-27.86	158.02	1223.76	16.06	79.69	PASS	
2225.00†	2207.12	219.81	123.60	2493.82	2458.86	-961.10	-25.44	158.29	1216.61	16.49	77.07	PASS	
2325.00†	2306.03	232.64	130.81	2593.40	2556.29	-940.63	-23.03	158.56	1209.49	16.98	74.28	PASS	
2425.00†	2404.94	245.47	138.02	2692.98	2653.71	-920.17	-20.62	158.84	1202.40	17.54	71.42	PASS	
2525.00†	2503.85	258.29	145.24	2792.56	2751.14	-899.71	-18.20	159.11	1195.33	18.14	68.52	PASS	
2625.00†	2602.76	271.12	152.45	2892.14	2848.57	-879.24	-15.79	159.39	1188.30	18.80	65.64	PASS	
2725.00†	2701.67	283.94	159.66	2991.73	2945.99	-858.78	-13.37	159.68	1181.29	19.50	62.82	PASS	
2825.00†	2800.58	296.77	166.87	3091.31	3043.42	-838.31	-10.96	159.97	1174.31	20.24	60.08	PASS	
2925.00†	2899.50	309.59	174.08	3190.89	3140.84	-817.85	-8.55	160.26	1167.36	21.02	57.44	PASS	
3025.00†	2998.41	322.42	181.30	3290.47	3238.27	-797.38	-6.13	160.55	1160.44	21.82	54.92	PASS	
3125.00†	3097.32	335.25	188.51	3390.05	3335.70	-776.92	-3.72	160.85	1153.55	22.66	52.53	PASS	
3225.00†	3196.23	348.07	195.72	3489.63	3433.12	-756.45	-1.30	161.15	1146.70	23.51	50.25	PASS	
3325.00†	3295.14	360.90	202.93	3589.21	3530.55	-735.99	1.11	161.46	1139.87	24.39	48.09	PASS	
3425.00†	3394.05	373.72	210.14	3688.79	3627.97	-715.52	3.53	161.76	1133.08	25.29	46.06	PASS	
3525.00†	3492.97	386.55	217.36	3788.38	3725.40	-695.06	5.94	162.08	1126.32	26.21	44.14	PASS	
3625.00†	3591.88	399.38	224.57	3887.96	3822.82	-674.60	8.35	162.39	1119.60	27.14	42.33	PASS	
3725.00†	3690.79	412.20	231.78	3987.54	3920.25	-654.13	10.77	162.71	1112.91	28.09	40.62	PASS	
3825.00†	3789.70	425.03	238.99	4087.12	4017.68	-633.67	13.18	163.04	1106.25	29.05	39.01	PASS	
3925.00†	3888.61	437.85	246.20	4186.70	4115.10	-613.20	15.60	163.36	1099.63	30.02	37.49	PASS	
4025.00†	3987.52	450.68	253.42	4286.28	4212.53	-592.74	18.01	163.70	1093.05	31.00	36.06	PASS	
4125.00†	4086.43	463.50	260.63	4385.86	4309.95	-572.27	20.42	164.03	1086.50	31.99	34.71	PASS	
4225.00†	4185.35	476.33	267.84	4485.44	4407.38	-551.81	22.84	164.37	1080.00	32.99	33.44	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	
4325.00†	4284.26	489.16	275.05	4585.03	4504.81	-531.34	25.25	164.71	1073.53	33.99	32.23	PASS	
4425.00†	4383.17	501.98	282.26	4684.61	4602.23	-510.88	27.67	165.06	1067.10	35.01	31.09	PASS	
4525.00†	4482.08	514.81	289.47	4784.19	4699.66	-490.41	30.08	165.41	1060.71	36.03	30.01	PASS	
4625.00†	4580.99	527.63	296.69	4883.77	4797.08	-469.95	32.50	165.77	1054.36	37.05	28.99	PASS	
4725.00†	4679.90	540.46	303.90	4983.35	4894.51	-449.49	34.91	166.13	1048.05	38.08	28.02	PASS	
4825.00†	4778.82	553.28	311.11	5082.93	4991.94	-429.02	37.32	166.50	1041.78	39.12	27.11	PASS	
4925.00†	4877.73	566.11	318.32	5182.51	5089.36	-408.56	39.74	166.86	1035.56	40.16	26.23	PASS	
5025.00†	4976.64	578.94	325.53	5282.09	5186.79	-388.09	42.15	167.24	1029.37	41.20	25.40	PASS	
5125.00†	5075.55	591.76	332.75	5381.68	5284.21	-367.63	44.57	167.62	1023.24	42.25	24.62	PASS	
5225.00†	5174.46	604.59	339.96	5481.26	5381.64	-347.16	46.98	168.00	1017.15	43.30	23.86	PASS	
5325.00†	5273.37	617.41	347.17	5580.84	5479.06	-326.70	49.39	168.39	1011.10	44.36	23.15	PASS	
5425.00†	5372.28	630.24	354.38	5680.42	5576.49	-306.23	51.81	168.78	1005.10	45.41	22.47	PASS	
5525.00†	5471.20	643.07	361.59	5780.00	5673.92	-285.77	54.22	169.18	999.15	46.48	21.82	PASS	
5625.00†	5570.11	655.89	368.81	5879.58	5771.34	-265.30	56.64	169.58	993.25	47.54	21.19	PASS	
5725.00†	5669.02	668.72	376.02	5979.16	5868.77	-244.84	59.05	169.98	987.40	48.61	20.60	PASS	
5825.00†	5767.93	681.54	383.23	6078.74	5966.19	-224.38	61.46	170.39	981.59	49.67	20.03	PASS	
5925.00†	5866.84	694.37	390.44	6178.33	6063.62	-203.91	63.88	170.81	975.84	50.74	19.49	PASS	
6025.00†	5965.75	707.19	397.65	6277.91	6161.05	-183.45	66.29	171.23	970.14	51.82	18.97	PASS	
6125.00†	6064.66	720.02	404.87	6377.49	6258.47	-162.98	68.71	171.65	964.50	52.89	18.47	PASS	
6225.00†	6163.58	732.85	412.08	6467.59	6346.62	-144.47	70.66	172.06	959.04	53.93	18.01	PASS	
6325.00†	6262.49	745.67	419.29	6531.09	6408.67	-131.48	72.31	172.60	956.37	54.85	17.65	PASS	
6340.00†	6277.32	747.60	420.37	6542.50	6419.77	-129.16	66.04	172.74	956.32	55.01	17.60	PASS	
6425.00†	6361.40	758.50	426.50	6592.44	6468.02	-119.11	58.09	173.46	957.75	55.81	17.37	PASS	
6525.00†	6460.31	771.32	433.71	6650.69	6523.33	-107.63	43.98	174.56	963.54	56.79	17.17	PASS	
6533.75	6468.97	772.45	434.34	6655.61	6527.95	-106.67	42.55	174.66	964.28	56.87	17.16	PASS	
6579.15†	6513.72	778.26	439.23	6680.28	6550.90	-101.93	34.85	156.28	969.35	57.64	17.01	PASS	
6625.00†	6558.44	784.11	447.41	6703.36	6572.09	-97.55	26.83	145.48	976.94	57.72	17.12	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	-44.28	-754.39	-35.39
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1731.14	-829.72	-44.28	-754.39	-35.39
8.5in Open Hole	1750.00	16463.67	14713.67	1731.14	6904.00	-754.39	-35.39	-449.71	-2936.98

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

SURVEY PROGRAM - Offset Wellbore: 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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-127.38	-6529.86	-91.12	6531.10	50.16	132.61	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	-77.12	-3980.61	-77.12	-3980.61
8.625in Casing Surface	0.00	369.00	369.00	-7.00	362.00	-77.12	-3980.61	-77.12	-3980.61
7.875in Open Hole	369.00	7230.00	6861.00	362.00	7223.00	-77.12	-3980.61	-77.12	-3980.61
4.5in Casing Production	0.00	7230.00	7230.00	-7.00	7223.00	-77.12	-3980.61	-77.12	-3980.61

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1303.06	-6396.88	-101.51	6528.25	50.19	132.60	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	-793.84	-3899.64	-793.84	-3899.64
9.625in Casing Surface	0.00	213.00	213.00	-4.00	209.00	-793.84	-3899.64	-793.84	-3899.64
7.875in Open Hole	213.00	7798.00	7585.00	209.00	7794.00	-793.84	-3899.64	-793.84	-3899.64
5.5in Casing Production	0.00	7798.00	7798.00	-4.00	7794.00	-793.84	-3899.64	-793.84	-3899.64

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1107.37	-6580.76	-99.55	6673.28	50.22	135.45	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **EX. FEIT BROTHERS 2-27 AWB** Offset Wellpath: **EX. FEIT BROTHERS 2-27 AWP**

Facility: SEC.27-T06N-R66W		Slot: SLOT#02 EX. FEIT BROTHERS 2-27 (1980'FNL & 1980'FEL, AB/NB-CD)		Well: EX. FEIT BROTHERS 2-27		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	-10.00	25.00	-1268.09	1651.22	127.52	2081.97	25.57	84.59	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2601.79	-5072.30	-117.16	5700.66	50.17	115.

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	96.99	-7616.11	-89.27	7616.72	50.15	154.71	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	59.84	-4642.77	59.84	-4642.77
8.625in Casing Surface	0.00	366.00	366.00	-4.00	362.00	59.84	-4642.77	59.84	-4642.77
6.25in Open Hole	366.00	7223.00	6857.00	362.00	7219.00	59.84	-4642.77	59.84	-4642.77
4.5in Casing Production	0.00	7223.00	7223.00	-4.00	7219.00	59.84	-4642.77	59.84	-4642.77

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-176.99	1383.03	1.26	4606.89	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	-44.28	-774.81	-35.10
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1737.14	-841.93	-44.28	-774.81	-35.10
8.5in Open Hole	1750.00	16599.95	14849.95	1737.14	N/A	-774.81	-35.10	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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1516.47	-7914.91	-100.85	8058.88	50.16	163.64	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	-923.67	-4825.08	-923.67	-4825.08
8.625in Casing Surface	0.00	322.00	322.00	-7.00	315.00	-923.67	-4825.08	-923.67	-4825.08
7.875in Open Hole	322.00	7250.00	6928.00	315.00	N/A	-923.67	-4825.08	N/A	N/A
3.5in Casing Production	0.00	7250.00	7250.00	-7.00	N/A	-923.67	-4825.08	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.20-T06N-R66W Slot: SLOT#09 HOOD 14N-22A-M (545'FSL & 1122'FEL SEC.20) Well: HOOD 14N-22A-M Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	11923.00	6835.29	1622.06	-2304.60	-54.86	7370.36	100.98	73.68	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	727.88	-4982.70	738.33	-4964.35
9.625in Casing Surface	25.00	1763.00	1738.00	10.00	1744.13	727.88	-4982.70	738.32	-4964.46
8.5in Open Hole	1766.00	11901.00	10135.00	1747.11	6835.87	738.33	-4964.35	857.74	-3200.38

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	24.03	28.03	4042.50	1612.51	21.75	4352.24	50.13	88.43	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **INTERMILL #1-22 AWB** Offset Wellpath: **INTERMILL #1-22 AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **INTERMILL #1-22 AWB** Offset Wellpath: **INTERMILL #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	411.00	411.00	-21.00	390.00	2464.35	982.90	2464.05	982.87
8.625in Casing Surface	0.00	411.00	411.00	-21.00	390.00	2464.35	982.90	2464.05	982.87
7.875in Open Hole	411.00	7284.00	6873.00	390.00	7261.80	2464.05	982.87	2464.14	961.49
4.5in Casing Production	0.00	7284.00	7284.00	-21.00	7261.80	2464.35	982.90	2464.14	961.49

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1302.26	-9026.69	-81.79	9120.15	50.19	185.09	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	794.86	-5502.53	794.86	-5502.53
8.625in Casing Surface	0.00	1504.00	1504.00	-12.00	1492.00	794.86	-5502.53	794.86	-5502.53
7.875in Open Hole	1504.00	7560.00	6056.00	1492.00	7548.00	794.86	-5502.53	794.86	-5502.53
5.5in Casing Production	0.00	7560.00	7560.00	-12.00	7548.00	794.86	-5502.53	794.86	-5502.53

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.03	1403.04	1.26	4673.59	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	-44.28	-799.72	-35.29
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1742.48	-854.15	-44.28	-799.72	-35.29
8.5in Open Hole	1750.00	16464.83	14714.83	1742.48	N/A	-799.72	-35.29	N/A	N/A

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2862.96	-6768.24	-112.93	7348.85	50.17	149.33	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2882.33	-8865.43	-108.01	9322.21	50.09	189.34	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	-1756.10	-5404.68	-1756.10	-5404.68
7in Casing Surface	0.00	442.00	442.00	-5.00	437.00	-1756.10	-5404.68	-1756.10	-5404.68
6.25in Open Hole	442.00	7173.00	6731.00	437.00	7168.00	-1756.10	-5404.68	-1756.10	-5404.68
2.875in Casing Production	0.00	7173.00	7173.00	-5.00	7168.00	-1756.10	-5404.68	-1756.10	-5404.68

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760°FNL & 1760°FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **MILLS-FELT #1-22 AWB** Offset Wellpath: **MILLS-FELT #1-22 AWP**

Facility: SEC.22-T06N-R66W Slot: SLOT#01 EX:MILLS-FELT #1-22 (660°FSL & 660°FWL SEC.22, PR, 7706°MD) Well: MILLS-FELT #1-22 Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	4.01	25.01	1434.70	-1100.44	-37.49	1808.13	50.13	36.73	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **MILLS-FELT #1-22 AWB** Offset Wellpath: **MILLS-FELT #1-22 AWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **MILLS-FELT #1-22 AWB** Offset Wellpath: **MILLS-FELT #1-22 AWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	516.00	516.00	-4.00	512.00	874.61	-670.81	874.51	-670.94
8.625in Casing Surface	0.00	516.00	516.00	-4.00	512.00	874.61	-670.81	874.51	-670.94
7.875in Open Hole	516.00	7705.00	7189.00	512.00	7699.83	874.51	-670.94	866.98	-696.38
4.5in Casing Production	0.00	7705.00	7705.00	-4.00	7699.83	874.61	-670.81	866.98	-696.38

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°FWL SEC.22, PR, 7706°MD) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2872.07	-6744.03	-113.07	7330.13	50.17	148.95	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	11.06	25.06	2733.10	161.65	3.39	2737.88	50.13	55.62

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	532.00	532.00	-11.00	521.00	1666.10	98.54	1666.00	98.04
8.625in Casing Surface	0.00	532.00	532.00	-11.00	521.00	1666.10	98.54	1666.00	98.04
7.875in Open Hole	532.00	7235.00	6703.00	521.00	7223.32	1666.00	98.04	1666.68	75.11
4.5in Casing Production	0.00	7235.00	7235.00	-11.00	7223.32	1666.10	98.54	1666.68	75.11

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	VESSEI 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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1413.96	150.81	2899.06	25.57	117.80	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	317.00	317.00	6.00	322.99	-1542.79	862.00	-1543.18	862.36
9.625in Casing Surface	0.00	317.00	317.00	6.00	322.99	-1542.79	862.00	-1543.18	862.36
7.875in Open Hole	317.00	7258.00	6941.00	322.99	7262.62	-1543.18	862.36	-1545.43	840.35
4.5in Casing Production	0.00	7258.00	7258.00	6.00	7262.62	-1542.79	862.00	-1545.43	840.35

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.07	1423.05	1.26	4740.29	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	-44.28	-819.74	-34.79
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1746.54	-866.36	-44.28	-819.74	-34.79
8.5in Open Hole	1750.00	16506.48	14756.48	1746.54	7077.00	-819.74	-34.79	-669.57	-2938.58

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1458.64	-10179.38	-81.85	10283.36	50.22	208.75	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.12	1443.06	1.26	4807.00	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	-44.28	-844.30	-34.66
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1750.00	-878.58	-44.28	-844.30	-34.66
8.5in Open Hole	1750.00	16224.50	14474.50	1750.00	6803.00	-844.30	-34.66	-742.64	-2938.61

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.16	1463.08	1.26	4873.71	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	-44.28	-868.30	-34.35
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1752.83	-890.79	-44.28	-868.30	-34.35
8.5in Open Hole	1750.00	16511.26	14761.26	1752.83	7075.00	-868.30	-34.35	-815.71	-2938.98

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2706.20	-10184.19	-104.88	10537.61	50.19	214.05	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	399.34	171.04	2564.01	25.57	104.18	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	243.45	-1543.75	243.65
9.625in Casing Surface	0.00	419.00	419.00	13.00	432.00	-1543.94	243.45	-1543.75	243.65
7.875in Open Hole	419.00	7388.00	6969.00	432.00	N/A	-1543.75	243.65	N/A	N/A
4.5in Casing Production	0.00	7388.00	7388.00	13.00	N/A	-1543.94	243.45	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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	9.46	23.46	1461.38	-2216.73	-56.61	2655.09	50.13	53.94	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: BILLINGS #44-21 AWB Offset Wellpath: BILLINGS #44-21 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	353.00	353.00	-11.00	341.99	890.91	-1351.28	891.49	-1351.42
8.625in Casing Surface	0.00	353.00	353.00	-11.00	341.99	890.91	-1351.28	891.49	-1351.42
7.875in Open Hole	353.00	7249.00	6896.00	341.99	7237.43	891.49	-1351.42	890.41	-1370.98
3.5in Casing Production	0.00	7249.00	7249.00	-11.00	7237.43	890.91	-1351.28	890.41	-1370.98

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.19	1483.09	1.26	4940.42	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	-44.28	-893.52	-34.56
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.30	-903.01	-44.28	-893.52	-34.56
8.5in Open Hole	1750.00	16323.45	14573.45	1754.30	N/A	-893.52	-34.56	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.23	1503.10	1.26	5007.13	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	-44.28	-918.46	-34.27
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1754.61	-915.22	-44.28	-918.46	-34.27
8.5in Open Hole	1750.00	16503.40	14753.40	1754.61	7074.00	-918.46	-34.27	-975.94	-2939.88

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-72.63	-177.27	1522.75	1.26	5072.63	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	-44.28	-941.18	-34.80
9.625in Casing Surface	25.00	1750.00	1725.00	30.00	1753.91	-927.21	-44.28	-941.18	-34.80
8.5in Open Hole	1750.00	16399.36	14649.36	1753.91	N/A	-941.18	-34.80	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	1334.59	-6396.19	-78.21	6533.95	50.38	132.20	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	814.07	-3899.02	814.07	-3899.02

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1098.67	-156.54	2759.73	25.57	112.14	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	0.00	327.00	327.00	13.00	340.00	-1543.25	-669.78	-1542.92	-669.70
9.625in Casing Surface	0.00	327.00	327.00	13.00	340.00	-1543.25	-669.78	-1542.92	-669.70
7.875in Open Hole	327.00	7280.00	6953.00	340.00	7292.30	-1542.92	-669.70	-1530.49	-680.63
4.5in Casing Production	0.00	7280.00	7280.00	13.00	7292.30	-1543.25	-669.78	-1530.49	-680.63

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	15.68	22.68	86.97	-3707.75	-88.66	3708.77	50.17	75.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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

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TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2263.03	-2183.12	-136.03	5649.86	16.76	357.56	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP

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

HOLE & CASING SECTIONS - Offset Wellbore: DOERING, G W #2-28 AWB Offset Wellpath: DOERING, G W #2-28 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.25in Open Hole	0.00	405.00	405.00	4719.00	5123.99	-1379.49	-1330.89	-1379.42	-1330.30
9.625in Casing Surface	0.00	405.00	405.00	4719.00	5123.99	-1379.49	-1330.89	-1379.42	-1330.30
7.875in Open Hole	405.00	7264.00	6859.00	5123.99	11982.14	-1379.42	-1330.30	-1375.30	-1335.60
4.5in Casing Production	0.00	7264.00	7264.00	4719.00	11982.14	-1379.49	-1330.89	-1375.30	-1335.60

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	11.11	24.11	1199.25	-3741.52	-72.23	3929.02	50.17	79.83	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	731.24	-2280.78	731.16	-2281.07
9.625in Casing Surface	0.00	402.00	402.00	-12.00	390.00	731.24	-2280.78	731.16	-2281.07
7.875in Open Hole	402.00	7275.00	6873.00	390.00	7261.95	731.16	-2281.07	714.76	-2297.20
4.5in Casing Production	0.00	7275.00	7275.00	-12.00	7261.95	731.24	-2280.78	714.76	-2297.20

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	932.99	-7265.29	-82.68	7324.95	25.85	293.06	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	569.40	-4428.84	583.99	-4507.04

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.20-T06N-R66W Slot: SLOT#14 WARD #X-20-19HN Well: WARD #X-20-19HN Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	31.00	25.00	918.01	-7265.29	-82.80	7323.06	25.97	291.53	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	560.27	-4428.84	529.11	-4507.23

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2860.77	-6795.23	-112.83	7372.87	50.17	149.82	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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	127.35	123.35	-1204.26	-9498.81	-97.23	9575.35	50.17	194.58	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	-732.64	-5791.08	-668.83	-5772.71
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1732.32	-732.64	-5791.08	-669.38	-5772.87
8.5in Open Hole	1771.00	15711.00	13940.00	1740.09	7074.25	-668.83	-5772.71	-355.89	-8325.62

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **GOETZEL 31C-30-M AWB** Offset Wellpath: **GOETZEL 31C-30-M AWP**

Facility: SEC.29-T06N-R66W				Slot: SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29)			Well: GOETZEL 31C-30-M		Threshold Value=1.00		† = interpolated/extrapolated station	
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
25.00	25.00	0.00	0.00	161.81	157.80	-1363.99	-9498.96	-98.17	9597.31	50.18	194.99	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	-830.18	-5791.79	-808.77	-5780.43
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1748.99	-830.18	-5791.79	-808.77	-5780.43
8.5in Open Hole	1762.00	15808.00	14046.00	1748.99	7073.86	-808.77	-5780.43	-749.37	-8402.18

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.29-T06N-R66W Slot: SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	176.57	172.54	-1181.99	-9497.34	-97.09	9571.75	50.17	194.49	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	-720.43	-5791.07	-651.16	-5774.86
9.625in Casing Surface	20.00	1759.00	1739.00	11.00	1722.54	-720.43	-5791.07	-647.41	-5774.15
8.5in Open Hole	1710.00	15570.00	13860.00	1675.16	6888.91	-651.16	-5774.86	-280.85	-8325.66

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	121.02	117.02	-1224.03	-9499.17	-97.34	9578.15	50.17	194.63	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	-744.86	-5791.23	-685.90	-5775.12
9.625in Casing Surface	20.00	1763.00	1743.00	11.00	1733.13	-744.86	-5791.23	-685.40	-5774.95
8.5in Open Hole	1755.00	15820.00	14065.00	1725.32	6991.10	-685.90	-5775.12	-419.95	-8401.88

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2637.19	-7657.02	-109.00	8098.44	50.17	164.57	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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	148.26	144.25	-1264.43	-9498.95	-97.58	9583.48	50.17	194.73	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	-769.29	-5791.43	-732.29	-5777.20
9.625in Casing Surface	20.00	1764.00	1744.00	11.00	1745.31	-769.29	-5791.43	-732.29	-5777.20
8.5in Open Hole	1764.00	15868.00	14104.00	1745.31	7070.17	-732.29	-5777.20	-584.81	-8402.01

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	47.10	43.10	-1243.75	-9499.79	-97.46	9580.88	50.17	194.70	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	-757.07	-5791.23	-709.40	-5776.87
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1739.29	-757.07	-5791.23	-709.01	-5776.73
8.5in Open Hole	1755.00	15705.00	13950.00	1732.42	6769.16	-709.40	-5776.87	-509.37	-8402.15

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **GOETZEL 31N-30B-M AWB** Offset Wellpath: **GOETZEL 31N-30B-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#06 GOETZEL 31N-30B-M (1913'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	169.92	165.90	-1281.96	-9498.77	-97.69	9585.92	50.18	194.77	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	-781.32	-5791.44	-755.80	-5780.27
9.625in Casing Surface	20.00	1720.00	1700.00	11.00	1705.03	-781.32	-5791.44	-755.80	-5780.27
8.5in Open Hole	1720.00	15601.00	13881.00	1705.03	6908.00	-755.80	-5780.27	-652.09	-8401.83

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-2365.92	-10321.18	-102.91	10588.88	50.33	215.18	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: **GOETZEL 32C-30-M2 PWB** Offset Wellpath: **GOETZEL 32C-30-M2 REV-A.0 PWP**

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

HOLE & CASING SECTIONS - Offset Wellbore: **GOETZEL 32C-30-M2 PWB** Offset Wellpath: **GOETZEL 32C-30-M2 REV-A.0 PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1700.00	1675.00	12.00	1687.00	-1440.95	-6292.09	-1440.95	-6292.09
8.5in Open Hole	1700.00	16005.00	14305.00	1687.00	7128.00	-1440.95	-6292.09	-1477.79	-8651.70

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

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TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	186.04	182.01	-1442.08	-9498.75	-98.63	9608.87	50.19	195.19	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	-879.04	-5792.01	-883.72	-5778.59
9.625in Casing Surface	20.00	1760.00	1740.00	11.00	1749.31	-879.04	-5792.01	-883.72	-5778.59
8.5in Open Hole	1760.00	15789.00	14029.00	1749.31	7073.95	-883.72	-5778.59	-1047.63	-8416.08

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	25.09	21.09	-1403.74	-9501.04	-98.40	9604.18	50.17	195.17	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	-854.61	-5792.00	-849.02	-5783.32
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1751.53	-854.61	-5792.00	-849.02	-5783.32
8.5in Open Hole	1762.00	15750.00	13988.00	1751.53	7072.48	-849.02	-5783.32	-888.32	-8401.53

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **GOETZEL 32N-30B-M PWB** Offset Wellpath: **GOETZEL 32N-30B-M REV-A.0 PWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	38.00	25.00	-2385.95	-10321.50	-103.02	10593.68	50.33	215.28	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	-1453.16	-6292.29	-1453.16	-6292.29
8.5in Open Hole	1700.00	15834.00	14134.00	1687.00	6948.00	-1453.16	-6292.29	-1556.18	-8651.53

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

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

Facility: SEC.29-T06N-R66W Slot: SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29) Well: GOETZEL 5N-30B-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	186.77	182.74	-1423.56	-9498.56	-98.52	9605.94	50.19	195.13	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	-866.82	-5792.00	-868.60	-5780.52
9.625in Casing Surface	20.00	1761.00	1741.00	11.00	1750.92	-866.82	-5792.00	-868.60	-5780.52
8.5in Open Hole	1761.00	15647.00	13886.00	1750.92	6888.92	-868.60	-5780.52	-937.24	-8413.50

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 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **GOETZEL 31N-30C-M AWB** Offset Wellpath: **GOETZEL 31N-30C-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	156.29	152.27	-1383.93	-9498.86	-98.29	9599.99	50.18	195.03	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	-842.39	-5791.80	-826.58	-5779.33
9.625in Casing Surface	20.00	1762.00	1742.00	11.00	1749.71	-842.39	-5791.80	-826.58	-5779.33
8.5in Open Hole	1762.00	15700.00	13938.00	1749.71	6994.50	-826.58	-5779.33	-815.84	-8420.14

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-M PWB
Facility	SEC.27-T06N-R66W		

CLEARANCE DATA - Offset Wellbore: **GOETZEL 32N-30C-M AWB** Offset Wellpath: **GOETZEL 32N-30C-M AWP**

Facility: SEC.29-T06N-R66W Slot: SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29) Well: GOETZEL 32N-30C-M Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
25.00	25.00	0.00	0.00	143.72	139.72	-1463.79	-9500.36	-98.76	9613.15	50.17	195.34	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	-891.25	-5792.16	-907.52	-5778.69
9.625in Casing Surface	20.00	1785.00	1765.00	11.00	1773.12	-891.25	-5792.16	-907.52	-5778.69
8.5in Open Hole	1785.00	15686.00	13901.00	1773.12	6962.55	-907.52	-5778.69	-1109.60	-8419.16

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

Clearance Report
TROUDT 40N-23C-M PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	46.03	59.03	163.37	-9045.40	-88.97	9046.94	50.13	183.85	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	100.65	-5514.11	97.70	-5512.87
8.625in Casing Surface	0.00	645.00	645.00	-12.00	632.90	100.65	-5514.11	97.70	-5512.87
7.875in Open Hole	645.00	7276.00	6631.00	632.90	7262.09	97.70	-5512.87	92.42	-5534.13
4.5in Casing Production	0.00	7276.00	7276.00	-12.00	7262.09	100.65	-5514.11	92.42	-5534.13

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	-1359.39	-9053.27	-98.54	9154.76	50.13	186.04	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	-827.67	-5519.02	-828.15	-5519.32
8.625in Casing Surface	0.00	432.00	432.00	-8.00	423.99	-827.67	-5519.02	-828.15	-5519.32
7.875in Open Hole	432.00	7185.00	6753.00	423.99	7176.40	-828.15	-5519.32	-836.55	-5536.12
4.5in Casing Production	0.00	7185.00	7185.00	-8.00	7176.40	-827.67	-5519.02	-836.55	-5536.12

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 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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
25.00	25.00	0.00	0.00	8.65	22.65	-48.10	-10359.76	-90.27	10359.87	50.13	210.53

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	-28.00	-6315.31	-28.00	-6315.51
8.625in Casing Surface	0.00	229.00	229.00	-11.00	218.00	-28.00	-6315.31	-28.00	-6315.51
7.875in Open Hole	229.00	7682.00	7453.00	218.00	7669.81	-28.00	-6315.51	-43.86	-6330.94
5.5in Casing Production	0.00	7682.00	7682.00	-11.00	7669.81	-28.00	-6315.31	-43.86	-6330.94

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

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TROUDT 40N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#12 TROUDT 40N-23C-M (760'FNL & 1760'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 40N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 40N-23C-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	4.29	18.29	-1373.84	-10383.13	-97.54	10473.63	50.13	212.84	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	-836.16	-6329.73	-834.84	-6331.98
8.625in Casing Surface	0.00	522.00	522.00	-11.00	510.92	-836.16	-6329.73	-834.84	-6331.98
7.875in Open Hole	522.00	7264.00	6742.00	510.92	7249.75	-834.84	-6331.98	-863.94	-6364.79
4.5in Casing Production	0.00	7264.00	7264.00	-11.00	7249.75	-836.16	-6329.73	-863.94	-6364.79

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