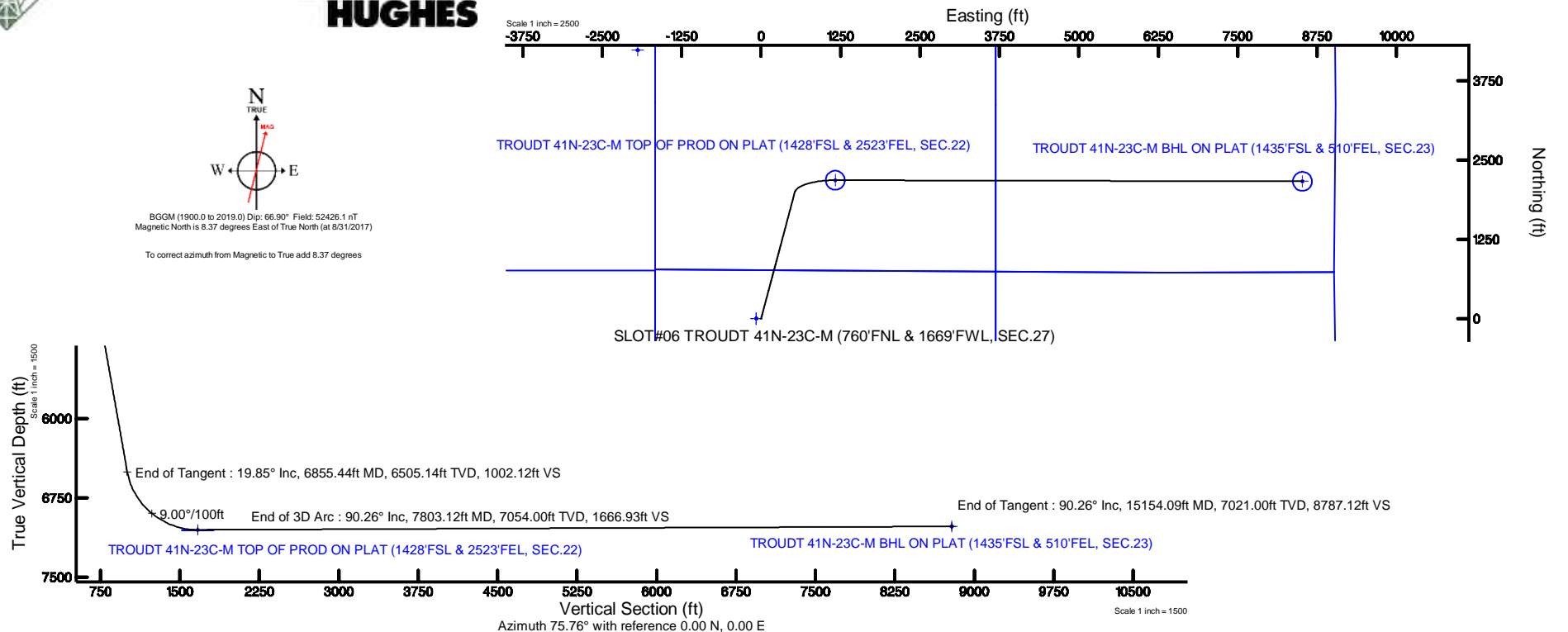


Location:	COLORADO	Slot:	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Field:	WELD COUNTY (NAD83,TRUE NORTH)	Well:	TROUDT 41N-23C-M
Facility:	SEC.27-T06N-R66W	Wellbore:	TROUDT 41N-23C-M PWB

Plot reference wellpath is TROUTD 41N-23CM PWP (REV-A.1)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to PD 562 (25) (RKB)	" = Wellpath was transformed from a different geodetic datum
Measured depths are referenced to PD 562 (25) (RKB)	North Reference: True north
PD 562 (25) (RKB) to Mean Sea Level: 4744 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOTR06 TROUTD 41N-23CM (760FNL & 1669FWL, SEC.27): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: doddanna on 2017-09-18
	Database: WellArchitectDB

Facility Name			Grid East (US R)	Grid North (US R)	Latitude	Longitude
SEC.27-T06N-R66W			320373.744	1412932.710	40°27'52.531"N	104°46'03.497"W
Sit	Local N (R)	Local E (R)	Grid East (US R)	Grid North (US R)	Latitude	Longitude
SLOT#06 TROUDT 41N-23C-M (760FNL & 1669FWLW, SEC.27)	0.00	74.85	3203848.590	1412933.329	40°27'52.531"N	104°46'02.528"W
PD 562 (25) (RKB) to Mud line (At Slot: SLOT#06 TROUDT 41N-23C-M (760FNL & 1669FWLW, SEC.27))					47448	
Mean Sea Level to Mud line (At Slot: SLOT#06 TROUDT 41N-23C-M (760FNL & 1669FWLW, SEC.27))					0R	
PD 562 (25) (RKB) to Mean Sea Level					47448	

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
25.00	1750.00	BHI NavTrak	Custom BHI NavTrak (Standard Rotating+Axial Cor) (Rockies 0.03Gi model)		TROUDET 41N-23C-M PWB
1750.00	15154.09	BHI AutoTrak Curve	Custom BHI AutoTrak Curve (FR1, Short) (Rockies 0.03Gi model)		TROUDET 41N-23C-M PWB



TROUDT_41N-23C-M_PWP__REV-A.0_.las

~VERSION INFORMATION

VERS. 2.0 : CWLS LOG ASCII STANDARD-VERSION 2.0

WRAP. NO : ASCII DATA SECTION CONTAINS ONE ROW PER WELLPATH STATION

~WELL INFORMATION

#MNEM	.UNITS	DATA	:DESCRIPTION
#----	.-----	----	:-----
STRT	.ft	0.00	:START MD
STOP	.ft	15154.09	:STOP MD
STEP	.ft	0.0	:STEP (non-uniform increment)
NULL	.	-999.99	:NULL
COMP	.	SRC ENERGY	:OPERATOR
WELL	.	TROUDT 41N-23C-M	:WELL
FLD	.	WELD COUNTY (NAD83,TRUE NORTH)	:FIELD
LOC	.	COLORADO	:AREA (aka: Location)
CNTY	.	N/A	:COUNTY
STAT	.	N/A	:STATE
CTRY	.	N/A	:COUNTRY
SRVC	.	Baker Hughes	:CONTRACTOR
DATE	.	09/05/2017	:LOG REV DATE
API	.		:API NUMBER

~OTHER INFORMATION

#Software: WellArchitect(R) Version 5.0

#MNEM	.UNITS	DATA	:DESCRIPTION
#----	.-----	----	:-----
WPTYPE	.	PLANNED WELLPATH	:WELLPATH TYPE
FACILITY	.	SEC.27-T06N-R66W	:FACILITY
SLOT	.	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27):SLOT	:SLOT
WELLBORE	.	TROUDT 41N-23C-M PWB	:WELLBORE
WELLPATH	.	TROUDT 41N-23C-M PWP (REV-A.0)	:WELLPATH
MDREFPT	.	PD 562 (25') (RKB)	:MD REFERENCE POINT
TVDREFPT	.	PD 562 (25') (RKB)	:TVD REFERENCE POINT
LCLREFPT	.	Slot	:LOCAL COORDINATE REFERENCE PT

TROUDT_41N-23C-M_PWP__REV-A.0_.las

VSAZIMUTH.deg	75.76	:VERTICAL SECTION AZIMUTH
VSORIGN .ft	0.00	:VERTICAL SECTION ORIGIN NORTH
VSORIGE .ft	0.00	:VERTICAL SECTION ORIGIN EAST

~CURVE (WELLPATH) INFORMATION

#MNEM	.UNITS	:DESCRIPTION
#----	.-----	:-----
DEPT	.ft	:MEASURED DEPTH
INC	.deg	:INCLINATION
AZI	.deg	:AZIMUTH
TVD	.ft	:TRUE VERTICAL DEPTH
SECT	.ft	:CROSS SECTION (CURTAIN/VERTICAL)
LOCALN	.ft	:LOCAL NORTH
LOCALE	.ft	:LOCAL EAST
LAT	.deg	:LATITUDE
LONG	.deg	:LONGITUDE
DLS	.deg/100ft	:DOGLEG SEVERITY

~ASCII DATA

0.00	0.00	14.88	0.00	0.00	0.00	0.00	40.4645920	-104.7673690	0.00
25.00	0.00	14.88	25.00	0.00	0.00	0.00	40.4645920	-104.7673690	0.00
125.00	0.00	14.88	125.00	0.00	0.00	0.00	40.4645920	-104.7673690	0.00
225.00	0.00	14.88	225.00	0.00	0.00	0.00	40.4645920	-104.7673690	0.00
300.00	0.00	14.88	300.00	0.00	0.00	0.00	40.4645920	-104.7673690	0.00
325.00	0.50	14.88	325.00	0.05	0.11	0.03	40.4645923	-104.7673689	2.00
425.00	2.50	14.88	424.96	1.33	2.64	0.70	40.4645992	-104.7673665	2.00
525.00	4.50	14.88	524.77	4.30	8.54	2.27	40.4646154	-104.7673609	2.00
625.00	6.50	14.88	624.30	8.96	17.80	4.73	40.4646409	-104.7673520	2.00
725.00	8.50	14.88	723.44	15.31	30.41	8.08	40.4646755	-104.7673400	2.00
825.00	10.50	14.88	822.07	23.34	46.36	12.31	40.4647193	-104.7673247	2.00
925.00	12.50	14.88	920.05	33.05	65.63	17.43	40.4647721	-104.7673064	2.00
1025.00	14.50	14.88	1017.29	44.41	88.19	23.42	40.4648341	-104.7672848	2.00
1125.00	16.50	14.88	1113.64	57.41	114.02	30.28	40.4649050	-104.7672602	2.00
1225.00	18.50	14.88	1209.01	72.04	143.08	38.00	40.4649847	-104.7672324	2.00

TROUDT_41N-23C-M_PWP__REV-A.0_.las

1292.56	19.85	14.88	1272.82	82.84	164.53	43.70	40.4650436	-104.7672119	2.00
1325.00	19.85	14.88	1303.33	88.20	175.17	46.53	40.4650728	-104.7672018	0.00
1425.00	19.85	14.88	1397.39	104.73	207.99	55.25	40.4651629	-104.7671705	0.00
1525.00	19.85	14.88	1491.45	121.25	240.81	63.96	40.4652530	-104.7671391	0.00
1625.00	19.85	14.88	1585.51	137.78	273.63	72.68	40.4653431	-104.7671078	0.00
1725.00	19.85	14.88	1679.56	154.30	306.45	81.40	40.4654332	-104.7670765	0.00
1825.00	19.85	14.88	1773.62	170.83	339.27	90.11	40.4655233	-104.7670451	0.00
1925.00	19.85	14.88	1867.68	187.35	372.09	98.83	40.4656134	-104.7670138	0.00
2025.00	19.85	14.88	1961.74	203.88	404.91	107.55	40.4657034	-104.7669825	0.00
2125.00	19.85	14.88	2055.80	220.40	437.73	116.27	40.4657935	-104.7669512	0.00
2225.00	19.85	14.88	2149.85	236.93	470.55	124.98	40.4658836	-104.7669198	0.00
2325.00	19.85	14.88	2243.91	253.45	503.37	133.70	40.4659737	-104.7668885	0.00
2425.00	19.85	14.88	2337.97	269.98	536.19	142.42	40.4660638	-104.7668572	0.00
2525.00	19.85	14.88	2432.03	286.50	569.02	151.13	40.4661539	-104.7668258	0.00
2625.00	19.85	14.88	2526.08	303.03	601.84	159.85	40.4662440	-104.7667945	0.00
2725.00	19.85	14.88	2620.14	319.55	634.66	168.57	40.4663340	-104.7667632	0.00
2825.00	19.85	14.88	2714.20	336.08	667.48	177.29	40.4664241	-104.7667318	0.00
2925.00	19.85	14.88	2808.26	352.61	700.30	186.00	40.4665142	-104.7667005	0.00
3025.00	19.85	14.88	2902.31	369.13	733.12	194.72	40.4666043	-104.7666692	0.00
3125.00	19.85	14.88	2996.37	385.66	765.94	203.44	40.4666944	-104.7666379	0.00
3225.00	19.85	14.88	3090.43	402.18	798.76	212.16	40.4667845	-104.7666065	0.00
3325.00	19.85	14.88	3184.49	418.71	831.58	220.87	40.4668746	-104.7665752	0.00
3425.00	19.85	14.88	3278.55	435.23	864.40	229.59	40.4669646	-104.7665439	0.00
3525.00	19.85	14.88	3372.60	451.76	897.22	238.31	40.4670547	-104.7665125	0.00
3625.00	19.85	14.88	3466.66	468.28	930.04	247.02	40.4671448	-104.7664812	0.00
3725.00	19.85	14.88	3560.72	484.81	962.86	255.74	40.4672349	-104.7664499	0.00
3825.00	19.85	14.88	3654.78	501.33	995.68	264.46	40.4673250	-104.7664185	0.00
3925.00	19.85	14.88	3748.83	517.86	1028.50	273.18	40.4674151	-104.7663872	0.00
4025.00	19.85	14.88	3842.89	534.38	1061.32	281.89	40.4675052	-104.7663559	0.00
4125.00	19.85	14.88	3936.95	550.91	1094.14	290.61	40.4675953	-104.7663246	0.00
4225.00	19.85	14.88	4031.01	567.43	1126.96	299.33	40.4676853	-104.7662932	0.00
4325.00	19.85	14.88	4125.06	583.96	1159.78	308.05	40.4677754	-104.7662619	0.00
4425.00	19.85	14.88	4219.12	600.48	1192.60	316.76	40.4678655	-104.7662306	0.00
4525.00	19.85	14.88	4313.18	617.01	1225.42	325.48	40.4679556	-104.7661992	0.00

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4625.00	19.85	14.88	4407.24	633.53	1258.24	334.20	40.4680457	-104.7661679	0.00
4725.00	19.85	14.88	4501.30	650.06	1291.06	342.91	40.4681358	-104.7661366	0.00
4825.00	19.85	14.88	4595.35	666.58	1323.88	351.63	40.4682259	-104.7661052	0.00
4925.00	19.85	14.88	4689.41	683.11	1356.70	360.35	40.4683159	-104.7660739	0.00
5025.00	19.85	14.88	4783.47	699.63	1389.52	369.07	40.4684060	-104.7660426	0.00
5125.00	19.85	14.88	4877.53	716.16	1422.34	377.78	40.4684961	-104.7660112	0.00
5225.00	19.85	14.88	4971.58	732.68	1455.16	386.50	40.4685862	-104.7659799	0.00
5325.00	19.85	14.88	5065.64	749.21	1487.98	395.22	40.4686763	-104.7659486	0.00
5425.00	19.85	14.88	5159.70	765.74	1520.80	403.94	40.4687664	-104.7659172	0.00
5525.00	19.85	14.88	5253.76	782.26	1553.62	412.65	40.4688565	-104.7658859	0.00
5625.00	19.85	14.88	5347.82	798.79	1586.44	421.37	40.4689465	-104.7658546	0.00
5725.00	19.85	14.88	5441.87	815.31	1619.26	430.09	40.4690366	-104.7658232	0.00
5825.00	19.85	14.88	5535.93	831.84	1652.08	438.80	40.4691267	-104.7657919	0.00
5925.00	19.85	14.88	5629.99	848.36	1684.90	447.52	40.4692168	-104.7657606	0.00
6025.00	19.85	14.88	5724.05	864.89	1717.72	456.24	40.4693069	-104.7657292	0.00
6125.00	19.85	14.88	5818.10	881.41	1750.54	464.96	40.4693970	-104.7656979	0.00
6225.00	19.85	14.88	5912.16	897.94	1783.36	473.67	40.4694871	-104.7656666	0.00
6325.00	19.85	14.88	6006.22	914.46	1816.18	482.39	40.4695771	-104.7656352	0.00
6425.00	19.85	14.88	6100.28	930.99	1849.00	491.11	40.4696672	-104.7656039	0.00
6525.00	19.85	14.88	6194.33	947.51	1881.82	499.83	40.4697573	-104.7655726	0.00
6625.00	19.85	14.88	6288.39	964.04	1914.64	508.54	40.4698474	-104.7655412	0.00
6725.00	19.85	14.88	6382.45	980.56	1947.46	517.26	40.4699375	-104.7655099	0.00
6825.00	19.85	14.88	6476.51	997.09	1980.28	525.98	40.4700276	-104.7654786	0.00
6855.44	19.85	14.88	6505.14	1002.12	1990.27	528.63	40.4700550	-104.7654690	0.00
6925.00	22.18	31.16	6570.12	1017.23	2012.94	538.46	40.4701172	-104.7654337	9.00
7025.00	27.65	48.27	6660.90	1051.32	2044.60	565.60	40.4702041	-104.7653362	9.00
7125.00	34.53	59.58	6746.56	1099.22	2074.45	607.44	40.4702861	-104.7651858	9.00
7225.00	42.14	67.37	6824.99	1159.75	2101.77	662.95	40.4703611	-104.7649863	9.00
7325.00	50.14	73.11	6894.26	1231.42	2125.88	730.78	40.4704272	-104.7647425	9.00
7425.00	58.36	77.64	6952.66	1312.47	2146.18	809.24	40.4704829	-104.7644605	9.00
7525.00	66.71	81.42	6998.76	1400.89	2162.18	896.41	40.4705269	-104.7641472	9.00
7625.00	75.14	84.75	7031.42	1494.52	2173.49	990.14	40.4705579	-104.7638103	9.00
7725.00	83.62	87.82	7049.83	1591.05	2179.81	1088.12	40.4705752	-104.7634581	9.00
7803.12	90.26	90.15	7054.00	1666.93	2181.19	1166.07	40.4705790	-104.7631780	9.00

TROUDT_41N-23C-M_PWP__REV-A.0_.las

7825.00	90.26	90.15	7053.90	1688.13	2181.13	1187.95	40.4705788	-104.7630993	0.00
7925.00	90.26	90.15	7053.45	1784.99	2180.88	1287.95	40.4705781	-104.7627399	0.00
8025.00	90.26	90.15	7053.00	1881.85	2180.62	1387.95	40.4705774	-104.7623805	0.00
8125.00	90.26	90.15	7052.55	1978.71	2180.36	1487.95	40.4705767	-104.7620211	0.00
8225.00	90.26	90.15	7052.11	2075.57	2180.10	1587.94	40.4705759	-104.7616617	0.00
8325.00	90.26	90.15	7051.66	2172.43	2179.84	1687.94	40.4705752	-104.7613023	0.00
8425.00	90.26	90.15	7051.21	2269.29	2179.59	1787.94	40.4705745	-104.7609429	0.00
8525.00	90.26	90.15	7050.76	2366.15	2179.33	1887.94	40.4705738	-104.7605835	0.00
8625.00	90.26	90.15	7050.31	2463.01	2179.07	1987.94	40.4705730	-104.7602241	0.00
8725.00	90.26	90.15	7049.86	2559.87	2178.81	2087.94	40.4705723	-104.7598647	0.00
8825.00	90.26	90.15	7049.41	2656.74	2178.55	2187.94	40.4705716	-104.7595053	0.00
8925.00	90.26	90.15	7048.96	2753.60	2178.30	2287.93	40.4705708	-104.7591459	0.00
9025.00	90.26	90.15	7048.51	2850.46	2178.04	2387.93	40.4705701	-104.7587864	0.00
9125.00	90.26	90.15	7048.07	2947.32	2177.78	2487.93	40.4705694	-104.7584270	0.00
9225.00	90.26	90.15	7047.62	3044.18	2177.52	2587.93	40.4705686	-104.7580676	0.00
9325.00	90.26	90.15	7047.17	3141.04	2177.26	2687.93	40.4705679	-104.7577082	0.00
9425.00	90.26	90.15	7046.72	3237.90	2177.01	2787.93	40.4705672	-104.7573488	0.00
9525.00	90.26	90.15	7046.27	3334.76	2176.75	2887.93	40.4705664	-104.7569894	0.00
9625.00	90.26	90.15	7045.82	3431.62	2176.49	2987.93	40.4705657	-104.7566300	0.00
9725.00	90.26	90.15	7045.37	3528.48	2176.23	3087.92	40.4705649	-104.7562706	0.00
9825.00	90.26	90.15	7044.92	3625.34	2175.98	3187.92	40.4705642	-104.7559112	0.00
9925.00	90.26	90.15	7044.47	3722.20	2175.72	3287.92	40.4705635	-104.7555518	0.00
10025.00	90.26	90.15	7044.03	3819.06	2175.46	3387.92	40.4705627	-104.7551924	0.00
10125.00	90.26	90.15	7043.58	3915.92	2175.20	3487.92	40.4705620	-104.7548330	0.00
10225.00	90.26	90.15	7043.13	4012.78	2174.94	3587.92	40.4705612	-104.7544735	0.00
10325.00	90.26	90.15	7042.68	4109.64	2174.69	3687.92	40.4705605	-104.7541141	0.00
10425.00	90.26	90.15	7042.23	4206.50	2174.43	3787.91	40.4705597	-104.7537547	0.00
10525.00	90.26	90.15	7041.78	4303.36	2174.17	3887.91	40.4705590	-104.7533953	0.00
10625.00	90.26	90.15	7041.33	4400.22	2173.91	3987.91	40.4705582	-104.7530359	0.00
10725.00	90.26	90.15	7040.88	4497.08	2173.65	4087.91	40.4705575	-104.7526765	0.00
10825.00	90.26	90.15	7040.43	4593.95	2173.40	4187.91	40.4705567	-104.7523171	0.00
10925.00	90.26	90.15	7039.99	4690.81	2173.14	4287.91	40.4705560	-104.7519577	0.00
11025.00	90.26	90.15	7039.54	4787.67	2172.88	4387.91	40.4705552	-104.7515983	0.00
11125.00	90.26	90.15	7039.09	4884.53	2172.62	4487.91	40.4705544	-104.7512389	0.00

TROUDT_41N-23C-M_PWP__REV-A.0_.las

11225.00	90.26	90.15	7038.64	4981.39	2172.36	4587.90	40.4705537	-104.7508795	0.00
11325.00	90.26	90.15	7038.19	5078.25	2172.11	4687.90	40.4705529	-104.7505201	0.00
11425.00	90.26	90.15	7037.74	5175.11	2171.85	4787.90	40.4705522	-104.7501606	0.00
11525.00	90.26	90.15	7037.29	5271.97	2171.59	4887.90	40.4705514	-104.7498012	0.00
11625.00	90.26	90.15	7036.84	5368.83	2171.33	4987.90	40.4705506	-104.7494418	0.00
11725.00	90.26	90.15	7036.39	5465.69	2171.07	5087.90	40.4705499	-104.7490824	0.00
11825.00	90.26	90.15	7035.94	5562.55	2170.82	5187.90	40.4705491	-104.7487230	0.00
11925.00	90.26	90.15	7035.50	5659.41	2170.56	5287.89	40.4705483	-104.7483636	0.00
12025.00	90.26	90.15	7035.05	5756.27	2170.30	5387.89	40.4705476	-104.7480042	0.00
12125.00	90.26	90.15	7034.60	5853.13	2170.04	5487.89	40.4705468	-104.7476448	0.00
12225.00	90.26	90.15	7034.15	5949.99	2169.79	5587.89	40.4705460	-104.7472854	0.00
12325.00	90.26	90.15	7033.70	6046.85	2169.53	5687.89	40.4705453	-104.7469260	0.00
12425.00	90.26	90.15	7033.25	6143.71	2169.27	5787.89	40.4705445	-104.7465666	0.00
12525.00	90.26	90.15	7032.80	6240.57	2169.01	5887.89	40.4705437	-104.7462071	0.00
12625.00	90.26	90.15	7032.35	6337.43	2168.75	5987.88	40.4705429	-104.7458477	0.00
12725.00	90.26	90.15	7031.90	6434.29	2168.50	6087.88	40.4705422	-104.7454883	0.00
12825.00	90.26	90.15	7031.46	6531.15	2168.24	6187.88	40.4705414	-104.7451289	0.00
12925.00	90.26	90.15	7031.01	6628.02	2167.98	6287.88	40.4705406	-104.7447695	0.00
13025.00	90.26	90.15	7030.56	6724.88	2167.72	6387.88	40.4705398	-104.7444101	0.00
13125.00	90.26	90.15	7030.11	6821.74	2167.46	6487.88	40.4705391	-104.7440507	0.00
13225.00	90.26	90.15	7029.66	6918.60	2167.21	6587.88	40.4705383	-104.7436913	0.00
13325.00	90.26	90.15	7029.21	7015.46	2166.95	6687.88	40.4705375	-104.7433319	0.00
13425.00	90.26	90.15	7028.76	7112.32	2166.69	6787.87	40.4705367	-104.7429725	0.00
13525.00	90.26	90.15	7028.31	7209.18	2166.43	6887.87	40.4705359	-104.7426131	0.00
13625.00	90.26	90.15	7027.86	7306.04	2166.17	6987.87	40.4705351	-104.7422537	0.00
13725.00	90.26	90.15	7027.42	7402.90	2165.92	7087.87	40.4705344	-104.7418943	0.00
13825.00	90.26	90.15	7026.97	7499.76	2165.66	7187.87	40.4705336	-104.7415348	0.00
13925.00	90.26	90.15	7026.52	7596.62	2165.40	7287.87	40.4705328	-104.7411754	0.00
14025.00	90.26	90.15	7026.07	7693.48	2165.14	7387.87	40.4705320	-104.7408160	0.00
14125.00	90.26	90.15	7025.62	7790.34	2164.89	7487.86	40.4705312	-104.7404566	0.00
14225.00	90.26	90.15	7025.17	7887.20	2164.63	7587.86	40.4705304	-104.7400972	0.00
14325.00	90.26	90.15	7024.72	7984.06	2164.37	7687.86	40.4705296	-104.7397378	0.00
14425.00	90.26	90.15	7024.27	8080.92	2164.11	7787.86	40.4705288	-104.7393784	0.00
14525.00	90.26	90.15	7023.82	8177.78	2163.85	7887.86	40.4705280	-104.7390190	0.00

TROUDT_41N-23C-M_PWP__REV-A.0_.las									
14625.00	90.26	90.15	7023.38	8274.64	2163.60	7987.86	40.4705272	-104.7386596	0.00
14725.00	90.26	90.15	7022.93	8371.50	2163.34	8087.86	40.4705264	-104.7383002	0.00
14825.00	90.26	90.15	7022.48	8468.36	2163.08	8187.86	40.4705256	-104.7379408	0.00
14925.00	90.26	90.15	7022.03	8565.23	2162.82	8287.85	40.4705248	-104.7375814	0.00
15025.00	90.26	90.15	7021.58	8662.09	2162.56	8387.85	40.4705240	-104.7372219	0.00
15125.00	90.26	90.15	7021.13	8758.95	2162.31	8487.85	40.4705232	-104.7368625	0.00
15154.09	90.26	90.15	7021.00	8787.12	2162.23	8516.94	40.4705230	-104.7367580	0.00



Planned Wellpath Report

TROUDT 41N-23C-M PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-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 11:34:14 AM
Convergence at slot	0.47° East	Database/Source file	WellArchitectDB/TROUDT_41N-23C-M_PWP__REV-A.0_.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	74.85	3203848.59	1412933.33	40°27'52.531"N	104°46'02.528"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#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27))	4744.00ft
MD Reference Pt	PD 562 (25') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	75.76°



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	14.875	0.00	0.00	0.00	0.00	0.00	
25.00	0.000	14.875	25.00	0.00	0.00	0.00	0.00	Tie On
125.00†	0.000	14.875	125.00	0.00	0.00	0.00	0.00	
225.00†	0.000	14.875	225.00	0.00	0.00	0.00	0.00	
300.00	0.000	14.875	300.00	0.00	0.00	0.00	0.00	End of Tangent
325.00†	0.500	14.875	325.00	0.05	0.11	0.03	2.00	
425.00†	2.500	14.875	424.96	1.33	2.64	0.70	2.00	
525.00†	4.500	14.875	524.77	4.30	8.54	2.27	2.00	
625.00†	6.500	14.875	624.30	8.96	17.80	4.73	2.00	
725.00†	8.500	14.875	723.44	15.31	30.41	8.08	2.00	
825.00†	10.500	14.875	822.07	23.34	46.36	12.31	2.00	
925.00†	12.500	14.875	920.05	33.05	65.63	17.43	2.00	
1025.00†	14.500	14.875	1017.29	44.41	88.19	23.42	2.00	
1125.00†	16.500	14.875	1113.64	57.41	114.02	30.28	2.00	
1225.00†	18.500	14.875	1209.01	72.04	143.08	38.00	2.00	
1292.56	19.851	14.875	1272.82	82.84	164.53	43.70	2.00	End of Build
1325.00†	19.851	14.875	1303.33	88.20	175.17	46.53	0.00	
1425.00†	19.851	14.875	1397.39	104.73	207.99	55.25	0.00	
1525.00†	19.851	14.875	1491.45	121.25	240.81	63.96	0.00	
1625.00†	19.851	14.875	1585.51	137.78	273.63	72.68	0.00	
1725.00†	19.851	14.875	1679.56	154.30	306.45	81.40	0.00	
1825.00†	19.851	14.875	1773.62	170.83	339.27	90.11	0.00	
1925.00†	19.851	14.875	1867.68	187.35	372.09	98.83	0.00	
2025.00†	19.851	14.875	1961.74	203.88	404.91	107.55	0.00	
2125.00†	19.851	14.875	2055.80	220.40	437.73	116.27	0.00	
2225.00†	19.851	14.875	2149.85	236.93	470.55	124.98	0.00	
2325.00†	19.851	14.875	2243.91	253.45	503.37	133.70	0.00	
2425.00†	19.851	14.875	2337.97	269.98	536.19	142.42	0.00	
2525.00†	19.851	14.875	2432.03	286.50	569.02	151.13	0.00	
2625.00†	19.851	14.875	2526.08	303.03	601.84	159.85	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2725.00†	19.851	14.875	2620.14	319.55	634.66	168.57	0.00	
2825.00†	19.851	14.875	2714.20	336.08	667.48	177.29	0.00	
2925.00†	19.851	14.875	2808.26	352.61	700.30	186.00	0.00	
3025.00†	19.851	14.875	2902.31	369.13	733.12	194.72	0.00	
3125.00†	19.851	14.875	2996.37	385.66	765.94	203.44	0.00	
3225.00†	19.851	14.875	3090.43	402.18	798.76	212.16	0.00	
3325.00†	19.851	14.875	3184.49	418.71	831.58	220.87	0.00	
3425.00†	19.851	14.875	3278.55	435.23	864.40	229.59	0.00	
3525.00†	19.851	14.875	3372.60	451.76	897.22	238.31	0.00	
3625.00†	19.851	14.875	3466.66	468.28	930.04	247.02	0.00	
3725.00†	19.851	14.875	3560.72	484.81	962.86	255.74	0.00	
3825.00†	19.851	14.875	3654.78	501.33	995.68	264.46	0.00	
3925.00†	19.851	14.875	3748.83	517.86	1028.50	273.18	0.00	
4025.00†	19.851	14.875	3842.89	534.38	1061.32	281.89	0.00	
4125.00†	19.851	14.875	3936.95	550.91	1094.14	290.61	0.00	
4225.00†	19.851	14.875	4031.01	567.43	1126.96	299.33	0.00	
4325.00†	19.851	14.875	4125.06	583.96	1159.78	308.05	0.00	
4425.00†	19.851	14.875	4219.12	600.48	1192.60	316.76	0.00	
4525.00†	19.851	14.875	4313.18	617.01	1225.42	325.48	0.00	
4625.00†	19.851	14.875	4407.24	633.53	1258.24	334.20	0.00	
4725.00†	19.851	14.875	4501.30	650.06	1291.06	342.91	0.00	
4825.00†	19.851	14.875	4595.35	666.58	1323.88	351.63	0.00	
4925.00†	19.851	14.875	4689.41	683.11	1356.70	360.35	0.00	
5025.00†	19.851	14.875	4783.47	699.63	1389.52	369.07	0.00	
5125.00†	19.851	14.875	4877.53	716.16	1422.34	377.78	0.00	
5225.00†	19.851	14.875	4971.58	732.68	1455.16	386.50	0.00	
5325.00†	19.851	14.875	5065.64	749.21	1487.98	395.22	0.00	
5425.00†	19.851	14.875	5159.70	765.74	1520.80	403.94	0.00	
5525.00†	19.851	14.875	5253.76	782.26	1553.62	412.65	0.00	
5625.00†	19.851	14.875	5347.82	798.79	1586.44	421.37	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5725.00†	19.851	14.875	5441.87	815.31	1619.26	430.09	0.00	
5825.00†	19.851	14.875	5535.93	831.84	1652.08	438.80	0.00	
5925.00†	19.851	14.875	5629.99	848.36	1684.90	447.52	0.00	
6025.00†	19.851	14.875	5724.05	864.89	1717.72	456.24	0.00	
6125.00†	19.851	14.875	5818.10	881.41	1750.54	464.96	0.00	
6225.00†	19.851	14.875	5912.16	897.94	1783.36	473.67	0.00	
6325.00†	19.851	14.875	6006.22	914.46	1816.18	482.39	0.00	
6425.00†	19.851	14.875	6100.28	930.99	1849.00	491.11	0.00	
6525.00†	19.851	14.875	6194.33	947.51	1881.82	499.83	0.00	
6625.00†	19.851	14.875	6288.39	964.04	1914.64	508.54	0.00	
6725.00†	19.851	14.875	6382.45	980.56	1947.46	517.26	0.00	
6825.00†	19.851	14.875	6476.51	997.09	1980.28	525.98	0.00	
6855.44	19.851	14.875	6505.14	1002.12	1990.27	528.63	0.00	End of Tangent
6925.00†	22.176	31.155	6570.12	1017.23	2012.94	538.46	9.00	
7025.00†	27.646	48.273	6660.90	1051.32	2044.60	565.60	9.00	
7125.00†	34.530	59.576	6746.56	1099.22	2074.45	607.44	9.00	
7225.00†	42.138	67.367	6824.99	1159.75	2101.77	662.95	9.00	
7325.00†	50.135	73.112	6894.26	1231.42	2125.88	730.78	9.00	
7425.00†	58.355	77.637	6952.66	1312.47	2146.18	809.24	9.00	
7525.00†	66.709	81.417	6998.76	1400.89	2162.18	896.41	9.00	
7625.00†	75.143	84.745	7031.42	1494.52	2173.49	990.14	9.00	
7725.00†	83.621	87.822	7049.83	1591.05	2179.81	1088.12	9.00	
7803.12	90.257	90.148	7054.00 [†]	1666.93	2181.19	1166.07	9.00	End of 3D Arc
7825.00†	90.257	90.148	7053.90	1688.13	2181.13	1187.95	0.00	
7925.00†	90.257	90.148	7053.45	1784.99	2180.88	1287.95	0.00	
8025.00†	90.257	90.148	7053.00	1881.85	2180.62	1387.95	0.00	
8125.00†	90.257	90.148	7052.55	1978.71	2180.36	1487.95	0.00	
8225.00†	90.257	90.148	7052.11	2075.57	2180.10	1587.94	0.00	
8325.00†	90.257	90.148	7051.66	2172.43	2179.84	1687.94	0.00	
8425.00†	90.257	90.148	7051.21	2269.29	2179.59	1787.94	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8525.00†	90.257	90.148	7050.76	2366.15	2179.33	1887.94	0.00	
8625.00†	90.257	90.148	7050.31	2463.01	2179.07	1987.94	0.00	
8725.00†	90.257	90.148	7049.86	2559.87	2178.81	2087.94	0.00	
8825.00†	90.257	90.148	7049.41	2656.74	2178.55	2187.94	0.00	
8925.00†	90.257	90.148	7048.96	2753.60	2178.30	2287.93	0.00	
9025.00†	90.257	90.148	7048.51	2850.46	2178.04	2387.93	0.00	
9125.00†	90.257	90.148	7048.07	2947.32	2177.78	2487.93	0.00	
9225.00†	90.257	90.148	7047.62	3044.18	2177.52	2587.93	0.00	
9325.00†	90.257	90.148	7047.17	3141.04	2177.26	2687.93	0.00	
9425.00†	90.257	90.148	7046.72	3237.90	2177.01	2787.93	0.00	
9525.00†	90.257	90.148	7046.27	3334.76	2176.75	2887.93	0.00	
9625.00†	90.257	90.148	7045.82	3431.62	2176.49	2987.93	0.00	
9725.00†	90.257	90.148	7045.37	3528.48	2176.23	3087.92	0.00	
9825.00†	90.257	90.148	7044.92	3625.34	2175.98	3187.92	0.00	
9925.00†	90.257	90.148	7044.47	3722.20	2175.72	3287.92	0.00	
10025.00†	90.257	90.148	7044.03	3819.06	2175.46	3387.92	0.00	
10125.00†	90.257	90.148	7043.58	3915.92	2175.20	3487.92	0.00	
10225.00†	90.257	90.148	7043.13	4012.78	2174.94	3587.92	0.00	
10325.00†	90.257	90.148	7042.68	4109.64	2174.69	3687.92	0.00	
10425.00†	90.257	90.148	7042.23	4206.50	2174.43	3787.91	0.00	
10525.00†	90.257	90.148	7041.78	4303.36	2174.17	3887.91	0.00	
10625.00†	90.257	90.148	7041.33	4400.22	2173.91	3987.91	0.00	
10725.00†	90.257	90.148	7040.88	4497.08	2173.65	4087.91	0.00	
10825.00†	90.257	90.148	7040.43	4593.95	2173.40	4187.91	0.00	
10925.00†	90.257	90.148	7039.99	4690.81	2173.14	4287.91	0.00	
11025.00†	90.257	90.148	7039.54	4787.67	2172.88	4387.91	0.00	
11125.00†	90.257	90.148	7039.09	4884.53	2172.62	4487.91	0.00	
11225.00†	90.257	90.148	7038.64	4981.39	2172.36	4587.90	0.00	
11325.00†	90.257	90.148	7038.19	5078.25	2172.11	4687.90	0.00	
11425.00†	90.257	90.148	7037.74	5175.11	2171.85	4787.90	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11525.00†	90.257	90.148	7037.29	5271.97	2171.59	4887.90	0.00	
11625.00†	90.257	90.148	7036.84	5368.83	2171.33	4987.90	0.00	
11725.00†	90.257	90.148	7036.39	5465.69	2171.07	5087.90	0.00	
11825.00†	90.257	90.148	7035.94	5562.55	2170.82	5187.90	0.00	
11925.00†	90.257	90.148	7035.50	5659.41	2170.56	5287.89	0.00	
12025.00†	90.257	90.148	7035.05	5756.27	2170.30	5387.89	0.00	
12125.00†	90.257	90.148	7034.60	5853.13	2170.04	5487.89	0.00	
12225.00†	90.257	90.148	7034.15	5949.99	2169.79	5587.89	0.00	
12325.00†	90.257	90.148	7033.70	6046.85	2169.53	5687.89	0.00	
12425.00†	90.257	90.148	7033.25	6143.71	2169.27	5787.89	0.00	
12525.00†	90.257	90.148	7032.80	6240.57	2169.01	5887.89	0.00	
12625.00†	90.257	90.148	7032.35	6337.43	2168.75	5987.88	0.00	
12725.00†	90.257	90.148	7031.90	6434.29	2168.50	6087.88	0.00	
12825.00†	90.257	90.148	7031.46	6531.15	2168.24	6187.88	0.00	
12925.00†	90.257	90.148	7031.01	6628.02	2167.98	6287.88	0.00	
13025.00†	90.257	90.148	7030.56	6724.88	2167.72	6387.88	0.00	
13125.00†	90.257	90.148	7030.11	6821.74	2167.46	6487.88	0.00	
13225.00†	90.257	90.148	7029.66	6918.60	2167.21	6587.88	0.00	
13325.00†	90.257	90.148	7029.21	7015.46	2166.95	6687.88	0.00	
13425.00†	90.257	90.148	7028.76	7112.32	2166.69	6787.87	0.00	
13525.00†	90.257	90.148	7028.31	7209.18	2166.43	6887.87	0.00	
13625.00†	90.257	90.148	7027.86	7306.04	2166.17	6987.87	0.00	
13725.00†	90.257	90.148	7027.42	7402.90	2165.92	7087.87	0.00	
13825.00†	90.257	90.148	7026.97	7499.76	2165.66	7187.87	0.00	
13925.00†	90.257	90.148	7026.52	7596.62	2165.40	7287.87	0.00	
14025.00†	90.257	90.148	7026.07	7693.48	2165.14	7387.87	0.00	
14125.00†	90.257	90.148	7025.62	7790.34	2164.89	7487.86	0.00	
14225.00†	90.257	90.148	7025.17	7887.20	2164.63	7587.86	0.00	
14325.00†	90.257	90.148	7024.72	7984.06	2164.37	7687.86	0.00	
14425.00†	90.257	90.148	7024.27	8080.92	2164.11	7787.86	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

WELLPATH DATA (158 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
14525.00†	90.257	90.148	7023.82	8177.78	2163.85	7887.86	0.00	
14625.00†	90.257	90.148	7023.38	8274.64	2163.60	7987.86	0.00	
14725.00†	90.257	90.148	7022.93	8371.50	2163.34	8087.86	0.00	
14825.00†	90.257	90.148	7022.48	8468.36	2163.08	8187.86	0.00	
14925.00†	90.257	90.148	7022.03	8565.23	2162.82	8287.85	0.00	
15025.00†	90.257	90.148	7021.58	8662.09	2162.56	8387.85	0.00	
15125.00†	90.257	90.148	7021.13	8758.95	2162.31	8487.85	0.00	
15154.09	90.257	90.148	7021.00 ²	8787.12	2162.23	8516.94	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: TROUDT 41N-23C-M PWB Ref 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	0.00	314.66	83.58
9.625in Casing Surface	25.00	1750.00	1725.00	25.00	1703.08	0.00	0.00	314.66	83.58
8.5in Open Hole	1750.00	15154.09	13404.09	1703.08	7021.00	314.66	83.58	2162.23	8516.94



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#06 TROUDT 41N-23C-M (760'FNL & 1669'FWL, SEC.27)
Area	COLORADO	Well	TROUDT 41N-23C-M
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	TROUDT 41N-23C-M PWB
Facility	SEC.27-T06N-R66W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.28-T06N-R66W		0.00	0.00	-74.85	3203773.74	1412932.71	40°27'52.531"N	104°46'03.497"W	polygon
SEC.29-T06N-R66W EAST HALF		0.00	0.00	-74.85	3203773.74	1412932.71	40°27'52.531"N	104°46'03.497"W	polygon
SEC.22-T06N-R66W		1.00	1412.73	-8083.99	3195753.51	1414279.17	40°28'06.478"N	104°47'47.123"W	polygon
SEC.23-T06N-R66W		1.00	4231.29	-1942.17	3201871.60	1417148.27	40°28'34.342"N	104°46'27.660"W	polygon
SEC.26-T06N-R66W		1.00	-4763.03	600.33	3204488.23	1408175.60	40°27'05.465"N	104°45'54.763"W	polygon
SEC.27-T06N-R66W		1.00	-4763.03	600.33	3204488.23	1408175.60	40°27'05.465"N	104°45'54.763"W	polygon
2) TROUDT 41N-23C-M BHL ON PLAT (1435'FSL & 510'FEL, SEC.23)	15154.09	7021.00	2162.23	8516.94	3212347.05	1415165.77	40°28'13.883"N	104°44'12.329"W	circle
1) TROUDT 41N-23C-M TOP OF PROD ON PLAT (1428'FSL & 2523'FEL, SEC.22)	7803.12	7054.00	2181.19	1166.07	3204996.55	1415123.99	40°28'14.084"N	104°45'47.441"W	circle

SURVEY PROGRAM - Ref Wellbore: TROUDT 41N-23C-M PWB Ref 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