



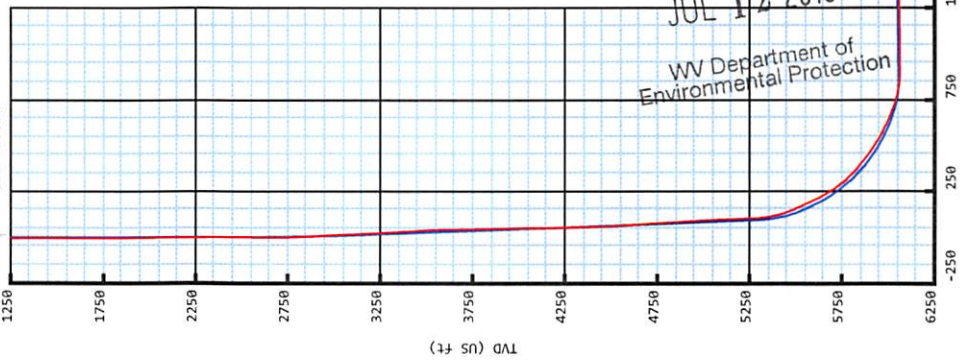
Southwestern Energy®
Mark Owen BRK 5H
Brooke Co, WV

SDC 40
Plan vs Actual



Weatherford

KB: 1192.2'
GL: 1166.2'



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Plan Data for Mark Owen BRK 5H

MD Inc	DogLeg Severity	Unit	°/100.00ft	Plan Point Information:	Position	Offsets from Slot centre	DLS	ToolFace	Comments
(USft)	(°)	(°)	(USft)	+	-	USec	(DLSU)	(°)	
0.00	0.00	-0.00	0.00	+E/-W	(USft)	0.00	0.00	0.0	0.0
26.00	0.00	0.00	26.00	-0.00	0.00	0.00	0.00	0.0	0.0 KB Offset
2401.88	0.00	0.00	2401.88	-0.00	0.00	0.00	0.00	0.0	0.0 Nudge KOP
3201.88	16.00	65.81	3191.52	45.47	101.23	14.33	2.00	65.8	Hold
5375.63	16.00	65.81	5281.07	290.98	647.79	91.70	0.00	0.0	Curve KOP 7° DLS
6363.24	70.00	341.89	6016.05	858.36	624.86	641.56	7.00	0.0	270.1 Build/Turn 9° DLS
6601.95	90.64	335.81	6056.00	1076.38	540.10	874.77	9.00	0.0	343.2 Landing Point
12948.07	90.64	335.81	5985.00	6864.96	-2060.00	7167.37	0.00	0.0	0.0 PBHL M05H

Target Set Information:

Name	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	Lat (°)	Long (°)
LP M05H	6056.00	905.06	617.07	14608262.62	1767954.76	40.222989	-80.543101
PBHL M05H	5985.00	6864.96	-2060.00	14614222.52	1765277.69	40.239392	-80.552583

Plan Data for Mark Owen BRK 5H

Field: SOUTHWESTERN_BROOKE_CO_WV_UTM_NAD_83_17N
Map Unit: USFT
Projected Coordinate System: NAD83 / UTM zone 17N

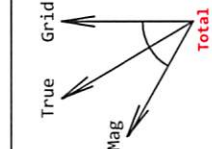
Site: Mark Owen Pad
Unit: USFeet
Company Name: SOUTHWESTERN ENERGY
Position:
Northing: 14607357.56USft
Easting: 1767337.69USft
North Reference: Grid
Grid Convergence: 0.29°
Elevation Above VRD: 1166.20USft

Slot: Mark Owen BRK 5H
Position:
Offset is from Site centre
+N/-S: 0.00USft
+E/-W: 0.00USft
Northing: 14607357.56USft
Easting: 1767337.69USft
North Reference: Grid
Grid Convergence: 0.29°
Elevation Above VRD: 1166.20USft

Well: Mark Owen BRK 5H
Type: Main-Well
File Number:

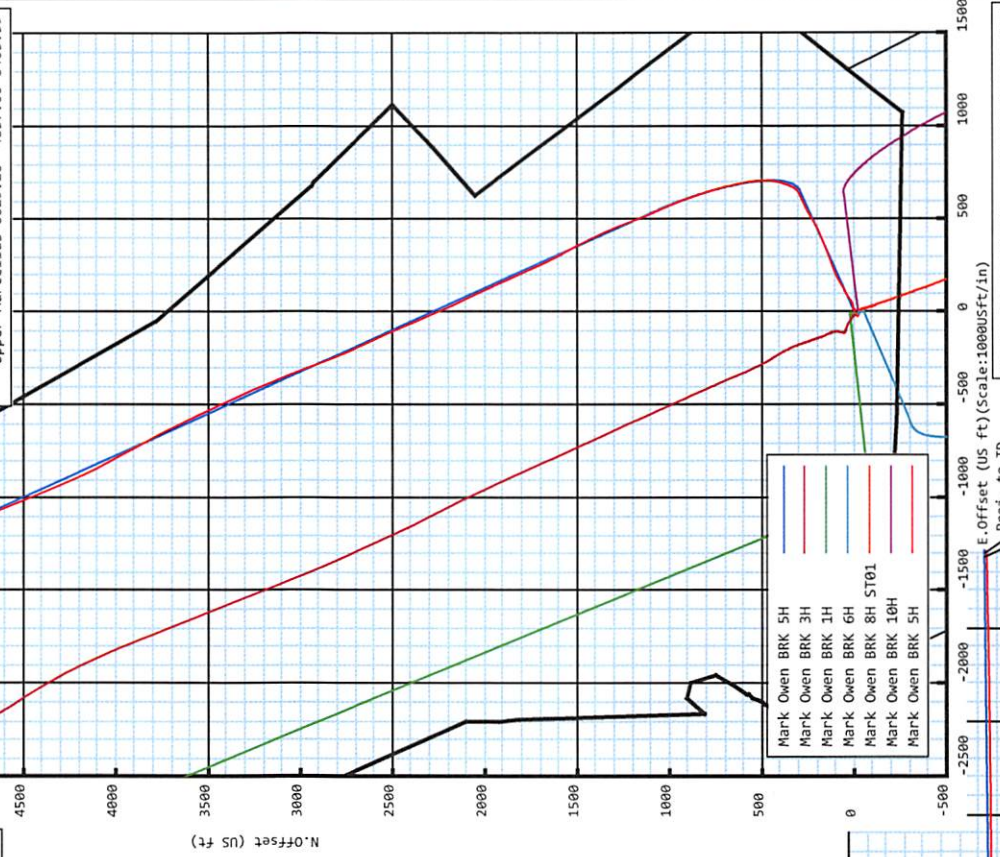
Plan Folder: P1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft
+E/-W: -0.00USft
Magnetic Parameters:
Field Strength: 52639(nT)
Dip: 67.68°
Declination: -8.47°
Date: 2017-12-29

Plan: P1;V4
Position offset of origin from Slot centre:
+N/-S: 0.00USft
+E/-W: -0.00USft
Azimuth: 343.23°



Plan Point Information:

Name	TVD (USft)	SS (USft)	MD (USft)
Base of Fresh Water	240.20	952.00	240.20
Pittsburgh Coal	332.20	860.00	332.20
Top of Salt Water	856.20	336.00	856.20
Maxton	1217.20	-25.00	1217.20
Big Lime	1366.20	-174.00	1366.20
Big Injun	1507.20	-315.00	1507.20
Base Big Injun	1657.20	-465.00	1657.20
Berea	2014.20	-822.00	2014.20
Upper Rhinestreet	5454.20	-4262.00	5557.23
Lower Rhinestreet	5569.20	-4377.00	5682.54
Basal Rhinestreet	5635.20	-4443.00	5757.81
Cashaqua	5710.20	-4518.00	5847.88
Middlesex	5766.20	-4574.00	5919.54
Lower Middlesex	5793.20	-4601.00	5955.88
Burket	5828.20	-4636.00	6005.17
Tully	5848.20	-4656.00	6034.66
Mahantango	5902.20	-4710.00	6120.60
Levanna	6010.20	-4818.00	6346.58
Upper Marcellus	6029.20	-4837.00	6405.39



Drawing By: Gary Rhodes
Office Name: Midcon DS
Address: 7725 N. Reno Ave, Ste. #228
Oklahoma City, OK 73127
Date: 29 December 2017
Phone: +1.485.726.4257

Mark Owen BRK 5H

Map Units: US ft **Company Name:** SOUTHWESTERN ENERGY

Field Name: Vertical Reference Datum (VRD):

SOUTHWESTER
N_BROOKE CO,
WV UTM NAD 83
(17N) **Projected Coordinate System:** NAD83 / UTM zone 17N

Comment:

Site: **Units:** US ft **North Reference:** Grid **Convergence Angle:** 0.29

Mark Owen Pad **Position:** **Northing:** 14607357.56 US ft **Latitude:** 40.220512

Easting: 1767337.69 US ft **Longitude:** -80.545328

Elevation above Field Reference: 1166.20 US ft

Comment:

Slot: **Position (Relative to Site Centre)**

Mark Owen BRK
5H **+N/-S:** 0.00 US ft **Northing:** 14607357.56 US ft **Latitude:** 40.220512

+E/-W: 0.00 US ft **Easting:** 1767337.69 US ft **Longitude:** -80.545328

Elevation above Field Reference: 1166.20 US ft

Comment:

Well: **Type:** Main well **UWI:**

Mark Owen BRK
5H **File Number:** **Comment:**

Closure Distance: 7165.45 US ft **Closure Azimuth:** 343.26°

Vertical Section: Position of Origin (Relative to Slot centre)

+N/-S: 0.00 US ft **+E/-W:** -0.00 US ft **Az:** 343.23°

Drill floor: Survey Name: Definitive Survey

Rig Height (Drill Floor): 26.00 US ft **Elevation above Field Reference:** 1192.20 US ft **Inclination:** 0.00° **Azimuth:** 0.00°

Survey Name: Definitive Survey

Date: 01/May/2015 **Survey Tool:** See Survey **Comment:** **Company:**

Tool Ranges below.

Magnetic Model:

Model Name: HDGM **Date:** 29/Dec/2017 **Field Strength:** 52639.0nT **Declination:** -8.47° **Dip:** 67.68°

Tie Point:

MD: 0.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** -0.00 US ft **North Offset:** 0.00 US ft **East Offset:** -0.00 US ft

Survey Tool Ranges:

Name	Start MD(usft)	End MD(usft)	Source Survey
EMS	0.00	392.00	EMS_01
MFAC_US_V2	392.00	474.00	WFT MFAC_01
MWD	474.00	779.00	WFT MWD_01
MFAC_US_V2	779.00	1149.00	WFT MFAC_02
MWD	1149.00	1665.00	WFT MWD_02
MFAC_US_V2	1665.00	1890.00	WFT MFAC_03
MWD	1890.00	5739.00	WFT MWD_03
MWD	5739.00	12924.00	WFT MWD_04

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5D Survey Report

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (%/100US ft)	Comment
0.00	0.00	0.00	-0.00	0.00	0.00	-0.00	40.220512	-80.545328	0.00	
179.00	0.40	334.06	179.00	0.62	0.56	-0.27	40.220514	-80.545329	0.22	
269.00	0.80	322.96	268.99	1.52	1.35	-0.79	40.220516	-80.545331	0.46	
392.00	1.20	292.66	391.98	3.14	2.53	-2.50	40.220519	-80.545337	0.53	
474.00	0.53	285.52	473.97	3.89	2.96	-3.65	40.220520	-80.545341	0.83	
504.00	0.39	313.30	503.96	4.05	3.07	-3.86	40.220520	-80.545342	0.86	
595.00	0.83	148.43	594.96	3.68	2.72	-3.74	40.220520	-80.545341	1.33	
686.00	0.96	129.45	685.95	2.41	1.67	-2.81	40.220517	-80.545338	0.35	
779.00	1.35	125.13	778.93	0.90	0.55	-1.31	40.220514	-80.545333	0.43	
871.00	1.71	123.37	870.90	-1.01	-0.83	0.72	40.220510	-80.545325	0.39	
964.00	1.77	116.96	963.86	-3.06	-2.25	3.16	40.220506	-80.545317	0.22	
1057.00	0.78	109.67	1056.83	-4.43	-3.11	5.04	40.220503	-80.545310	1.08	
1149.00	0.23	349.11	1148.83	-4.62	-3.14	5.59	40.220503	-80.545308	1.00	
1242.00	0.38	343.37	1241.83	-4.13	-2.66	5.47	40.220505	-80.545308	0.16	
1335.00	0.21	3.18	1334.83	-3.66	-2.20	5.39	40.220506	-80.545309	0.21	
1427.00	0.39	343.10	1426.83	-3.19	-1.73	5.31	40.220507	-80.545309	0.22	
1520.00	0.14	72.65	1519.82	-2.87	-1.39	5.33	40.220508	-80.545309	0.44	
1613.00	0.49	76.17	1612.82	-2.89	-1.26	5.82	40.220508	-80.545307	0.38	
1665.00	0.76	100.58	1664.82	-3.06	-1.27	6.37	40.220508	-80.545305	0.72	
1751.00	0.91	69.12	1750.81	-3.27	-1.13	7.57	40.220509	-80.545301	0.55	
1797.00	0.97	57.89	1796.81	-3.14	-0.80	8.24	40.220510	-80.545298	0.42	
1890.00	0.92	64.86	1889.79	-2.82	-0.06	9.59	40.220512	-80.545294	0.13	
1983.00	0.74	48.11	1982.78	-2.46	0.66	10.71	40.220514	-80.545290	0.32	
2076.00	0.69	47.97	2075.78	-1.97	1.43	11.57	40.220516	-80.545287	0.05	
2168.00	0.74	49.44	2167.77	-1.49	2.19	12.44	40.220518	-80.545283	0.06	
2261.00	0.79	42.21	2260.76	-0.92	3.06	13.32	40.220520	-80.545280	0.12	
2354.00	0.80	39.88	2353.75	-0.23	4.03	14.17	40.220523	-80.545277	0.04	
2447.00	1.37	69.25	2446.74	0.20	4.92	15.63	40.220525	-80.545272	0.84	
2540.00	4.42	82.19	2539.61	-0.28	5.80	20.22	40.220528	-80.545255	3.33	
2633.00	7.35	77.64	2632.11	-1.29	7.56	29.58	40.220532	-80.545222	3.19	
2725.00	8.99	66.54	2723.18	-0.91	11.68	41.92	40.220543	-80.545178	2.47	
2818.00	9.67	59.46	2814.95	1.80	18.55	55.32	40.220562	-80.545129	1.43	
2911.00	9.25	56.41	2906.68	5.82	26.65	68.27	40.220584	-80.545083	0.70	
3003.00	9.48	56.54	2997.46	10.13	34.92	80.75	40.220607	-80.545038	0.25	
3096.00	11.40	60.68	3088.91	14.33	43.64	95.16	40.220631	-80.544986	2.22	
3189.00	13.65	62.41	3179.70	18.39	53.23	112.90	40.220657	-80.544923	2.45	
3281.00	14.58	61.62	3268.92	22.76	63.76	132.71	40.220685	-80.544851	1.03	
3374.00	14.41	59.47	3358.96	27.87	75.20	152.97	40.220716	-80.544779	0.61	
3467.00	14.86	59.67	3448.94	33.41	87.10	173.24	40.220749	-80.544706	0.49	
3560.00	16.10	65.56	3538.57	37.93	98.46	195.27	40.220780	-80.544627	2.15	
3652.00	16.31	70.49	3626.92	40.25	108.05	219.06	40.220806	-80.544541	1.51	
3745.00	15.88	69.86	3716.27	41.62	116.80	243.32	40.220829	-80.544454	0.50	
3838.00	15.55	69.27	3805.80	43.23	125.59	266.92	40.220853	-80.544370	0.39	
3931.00	15.13	69.71	3895.48	44.84	134.21	289.96	40.220876	-80.544287	0.47	
4023.00	14.44	69.21	3984.44	46.38	142.45	311.95	40.220899	-80.544208	0.76	
4116.00	14.66	68.28	4074.45	48.21	150.92	333.72	40.220922	-80.544130	0.35	
4209.00	15.59	67.01	4164.23	50.58	160.15	356.16	40.220947	-80.544049	1.06	
4301.00	15.53	67.85	4252.86	53.07	169.62	378.95	40.220972	-80.543967	0.25	
4394.00	15.30	67.41	4342.51	55.48	179.03	401.81	40.220998	-80.543885	0.28	
4487.00	14.94	66.28	4432.30	58.18	188.57	424.11	40.221024	-80.543805	0.50	
4580.00	14.89	63.70	4522.16	61.61	198.68	445.80	40.221051	-80.543727	0.72	
4672.00	15.98	59.72	4610.85	66.52	210.31	467.33	40.221083	-80.543650	1.65	
4765.00	16.57	60.20	4700.12	72.50	223.35	489.90	40.221118	-80.543569	0.65	
4858.00	17.00	60.93	4789.16	78.39	236.55	513.29	40.221154	-80.543485	0.51	
4951.00	16.71	60.66	4878.16	84.20	249.71	536.82	40.221190	-80.543400	0.32	
5043.00	16.34	63.40	4966.36	89.28	261.98	559.93	40.221224	-80.543317	0.94	
5136.00	15.70	64.38	5055.75	93.45	273.28	582.97	40.221254	-80.543235	0.75	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100US ft)	Comment
5229.00	15.12	64.63	5145.41	97.20	283.92	605.28	40.221283	-80.543155	0.63	
5322.00	16.36	67.65	5234.92	100.29	294.10	628.35	40.221311	-80.543072	1.60	
5368.00	16.18	61.08	5279.08	102.27	299.66	639.95	40.221326	-80.543030	4.02	
5414.00	17.53	48.85	5323.12	106.48	307.32	650.78	40.221347	-80.542991	8.23	
5461.00	19.22	37.36	5367.73	113.94	318.13	660.81	40.221376	-80.542955	8.49	
5507.00	21.48	29.36	5410.87	124.21	331.49	669.54	40.221413	-80.542923	7.78	
5554.00	24.35	23.83	5454.16	137.54	347.86	677.67	40.221458	-80.542894	7.63	
5600.00	26.38	20.76	5495.73	152.85	366.10	685.13	40.221508	-80.542867	5.26	
5646.00	28.11	17.44	5536.62	169.91	385.99	692.00	40.221562	-80.542842	5.00	
5693.00	29.31	13.75	5577.85	188.98	407.73	698.05	40.221622	-80.542820	4.55	
5739.00	30.33	8.24	5617.76	209.21	430.17	702.40	40.221683	-80.542804	6.35	
5811.00	32.83	0.60	5679.12	244.33	467.70	705.21	40.221786	-80.542793	6.55	
5842.00	35.18	358.88	5704.82	260.96	485.03	705.12	40.221834	-80.542793	8.19	
5885.00	39.31	356.53	5739.04	286.15	511.03	704.05	40.221905	-80.542796	10.16	
5932.00	43.37	353.80	5774.33	316.52	541.95	701.41	40.221990	-80.542805	9.45	
5978.00	46.32	351.47	5806.94	348.52	574.11	697.23	40.222079	-80.542820	7.34	
6024.00	49.72	349.21	5837.71	382.44	607.80	691.48	40.222171	-80.542840	8.24	
6071.00	52.27	347.73	5867.29	418.81	643.58	684.17	40.222270	-80.542865	5.95	
6117.00	53.76	346.73	5894.96	455.46	679.42	676.05	40.222368	-80.542894	3.68	
6163.00	56.20	345.73	5921.36	493.08	716.00	667.08	40.222469	-80.542925	5.60	
6210.00	59.56	344.12	5946.34	532.86	754.43	656.72	40.222574	-80.542962	7.71	
6256.00	62.66	342.60	5968.57	573.13	793.01	645.18	40.222680	-80.543002	7.33	
6303.00	64.98	341.57	5989.30	615.29	833.14	632.20	40.222791	-80.543048	5.31	
6349.00	67.48	340.81	6007.84	657.36	872.98	618.62	40.222900	-80.543096	5.64	
6395.00	69.80	340.32	6024.59	700.15	913.38	604.37	40.223012	-80.543146	5.14	
6442.00	73.37	339.01	6039.44	744.65	955.18	588.87	40.223127	-80.543201	8.04	
6488.00	77.89	337.37	6050.85	789.03	996.54	572.31	40.223240	-80.543259	10.42	
6535.00	82.59	336.29	6058.82	835.04	1039.11	554.09	40.223358	-80.543324	10.25	
6581.00	88.15	335.22	6062.53	880.48	1080.90	535.27	40.223473	-80.543391	12.31	
6674.00	91.05	338.24	6063.18	972.86	1166.31	498.54	40.223708	-80.543521	4.50	
6766.00	89.88	339.77	6062.43	1064.61	1252.20	465.58	40.223944	-80.543637	2.09	
6859.00	90.92	335.57	6061.78	1157.15	1338.20	430.25	40.224181	-80.543762	4.65	
6952.00	90.86	334.30	6060.34	1249.16	1422.43	390.86	40.224412	-80.543902	1.37	
7045.00	90.62	332.58	6059.14	1340.79	1505.60	349.28	40.224641	-80.544049	1.87	
7137.00	91.29	330.64	6057.60	1430.89	1586.52	305.55	40.224864	-80.544204	2.23	
7230.00	91.05	334.97	6055.70	1522.31	1669.21	263.06	40.225092	-80.544355	4.66	
7323.00	90.74	335.34	6054.25	1614.38	1753.59	223.99	40.225324	-80.544493	0.52	
7416.00	90.74	335.42	6053.05	1706.50	1838.13	185.25	40.225557	-80.544631	0.09	
7508.00	90.74	336.14	6051.86	1797.72	1922.02	147.51	40.225788	-80.544764	0.78	
7598.00	90.31	335.53	6051.04	1886.96	2004.13	110.67	40.226014	-80.544895	0.83	
7691.00	90.74	334.54	6050.19	1979.01	2088.44	71.42	40.226246	-80.545034	1.16	
7784.00	90.55	335.57	6049.14	2071.06	2172.75	32.20	40.226478	-80.545173	1.13	
7876.00	90.62	337.31	6048.20	2162.40	2257.08	-4.57	40.226710	-80.545303	1.89	
7969.00	90.31	336.30	6047.44	2254.82	2342.56	-41.19	40.226945	-80.545433	1.14	
8062.00	90.55	337.71	6046.75	2347.26	2428.16	-77.52	40.227181	-80.545561	1.54	
8152.00	90.43	336.92	6045.98	2436.78	2511.20	-112.23	40.227409	-80.545684	0.89	
8241.00	90.43	334.94	6045.31	2525.05	2592.45	-148.53	40.227633	-80.545813	2.22	
8334.00	90.49	335.67	6044.56	2617.16	2676.94	-187.38	40.227866	-80.545950	0.79	
8427.00	90.43	336.82	6043.82	2709.46	2762.06	-224.84	40.228100	-80.546083	1.24	
8519.00	90.25	338.59	6043.27	2801.03	2847.18	-259.74	40.228334	-80.546206	1.93	
8609.00	90.25	339.33	6042.88	2890.78	2931.17	-292.05	40.228565	-80.546321	0.82	
8702.00	90.44	338.90	6042.32	2983.54	3018.06	-325.21	40.228804	-80.546438	0.51	
8795.00	90.25	337.30	6041.76	3076.16	3104.35	-359.89	40.229042	-80.546560	1.73	
8887.00	90.44	338.19	6041.20	3167.74	3189.49	-394.73	40.229276	-80.546684	0.99	
8980.00	90.55	335.93	6040.40	3260.19	3275.13	-430.98	40.229512	-80.546812	2.43	
9073.00	90.31	335.78	6039.70	3352.42	3359.99	-469.02	40.229745	-80.546947	0.30	
9166.00	90.43	336.62	6039.10	3444.71	3445.08	-506.55	40.229979	-80.547080	0.91	
9258.00	90.31	334.49	6038.51	3535.88	3528.82	-544.62	40.230210	-80.547214	2.32	
9351.00	90.25	334.40	6038.05	3627.79	3612.72	-584.73	40.230441	-80.547357	0.12	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (%/100US ft)	Comment
9444.00	90.49	333.94	6037.45	3719.63	3696.43	-625.25	40.230671	-80.547500	0.56	
9536.00	90.31	331.60	6036.81	3810.09	3778.23	-667.34	40.230896	-80.547650	2.55	
9629.00	90.31	330.93	6036.31	3901.07	3859.77	-712.05	40.231121	-80.547808	0.72	
9722.00	90.25	332.27	6035.85	3992.16	3941.58	-756.29	40.231346	-80.547965	1.44	
9815.00	90.55	331.13	6035.20	4083.28	4023.46	-800.37	40.231572	-80.548122	1.27	
9908.00	90.43	332.44	6034.41	4174.42	4105.40	-844.34	40.231797	-80.548278	1.41	
10001.00	90.49	337.16	6033.66	4266.39	4189.53	-883.92	40.232029	-80.548418	5.08	
10093.00	90.31	336.59	6033.02	4357.82	4274.13	-920.06	40.232262	-80.548546	0.65	
10186.00	90.25	336.63	6032.56	4450.20	4359.49	-956.98	40.232497	-80.548677	0.08	
10279.00	90.55	337.93	6031.91	4542.69	4445.27	-992.89	40.232733	-80.548804	1.43	
10372.00	90.53	338.19	6031.04	4635.31	4531.53	-1027.64	40.232970	-80.548927	0.28	
10465.00	90.62	337.07	6030.10	4727.86	4617.52	-1063.03	40.233207	-80.549052	1.21	
10557.00	91.23	336.72	6028.62	4819.29	4702.13	-1099.13	40.233439	-80.549180	0.76	
10647.00	91.05	337.31	6026.83	4908.74	4784.97	-1134.27	40.233667	-80.549304	0.69	
10737.00	90.79	339.43	6025.38	4998.40	4868.62	-1167.43	40.233898	-80.549421	2.37	
10830.00	90.71	337.67	6024.17	5091.08	4955.17	-1201.44	40.234136	-80.549542	1.89	
10923.00	90.99	334.36	6022.79	5183.32	5040.11	-1239.23	40.234370	-80.549676	3.57	
11012.00	90.99	331.83	6021.25	5270.91	5119.46	-1279.50	40.234588	-80.549818	2.84	
11102.00	89.88	331.77	6020.56	5359.12	5198.78	-1322.03	40.234806	-80.549969	1.24	
11192.00	90.31	333.92	6020.41	5447.64	5278.85	-1363.10	40.235027	-80.550115	2.44	
11282.00	90.44	334.67	6019.83	5536.55	5359.94	-1402.13	40.235250	-80.550253	0.85	
11374.00	90.37	335.13	6019.18	5627.57	5443.25	-1441.16	40.235479	-80.550392	0.51	
11464.00	90.43	335.62	6018.55	5716.73	5525.06	-1478.66	40.235705	-80.550525	0.55	
11554.00	90.55	336.47	6017.78	5806.01	5607.31	-1515.20	40.235931	-80.550654	0.95	
11646.00	90.43	336.41	6016.99	5897.37	5691.64	-1551.97	40.236163	-80.550784	0.15	
11739.00	90.74	338.35	6016.04	5989.87	5777.47	-1587.74	40.236399	-80.550911	2.11	
11829.00	90.80	339.50	6014.83	6079.61	5861.44	-1620.10	40.236630	-80.551025	1.28	
11922.00	90.62	339.24	6013.68	6172.39	5948.47	-1652.86	40.236870	-80.551141	0.34	
12014.00	90.68	337.26	6012.64	6264.03	6033.91	-1686.95	40.237105	-80.551262	2.15	
12107.00	90.79	336.25	6011.44	6356.43	6119.36	-1723.65	40.237340	-80.551392	1.09	
12197.00	90.92	336.40	6010.10	6445.77	6201.77	-1759.78	40.237567	-80.551520	0.22	
12289.00	91.23	336.53	6008.37	6537.11	6286.11	-1796.51	40.237799	-80.551650	0.37	
12382.00	90.92	335.89	6006.63	6629.40	6371.19	-1834.02	40.238033	-80.551783	0.76	
12475.00	90.86	336.02	6005.18	6721.64	6456.11	-1871.91	40.238267	-80.551917	0.15	
12568.00	91.17	336.24	6003.54	6813.91	6541.14	-1909.54	40.238501	-80.552050	0.41	
12657.00	90.99	332.28	6001.86	6901.79	6621.28	-1948.18	40.238721	-80.552187	4.45	
12750.00	90.68	333.89	6000.50	6993.32	6704.19	-1990.27	40.238950	-80.552336	1.76	
12843.00	90.79	335.90	5999.31	7085.33	6788.40	-2029.72	40.239181	-80.552476	2.16	
12901.00	91.17	334.33	5998.32	7142.74	6841.00	-2054.12	40.239326	-80.552563	2.78	Last WFT SVY
12924.00	91.17	334.33	5997.85	7165.45	6861.73	-2064.08	40.239383	-80.552598	0.00	Proj. to TD

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