



Southwestern Energy®
 William Rodgers OHI 205H
 Ohio County, WV
 SDC 40
Plan vs Actual

Plan Data for William Rodgers OHI 205H

Plan Point Information:

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(DLSU)	(°)	(°)	
0.00	0.00	0.00	0.00	-0.00	-0.00	0.00	0.00	0.0	
26.00	0.00	0.00	26.00	-0.00	-0.00	0.00	0.00	0.0	0.0 KB Offset
1000.00	0.00	0.00	1000.00	-0.00	-0.00	0.00	0.00	0.0	0.0 Nudge KOP
1600.00	12.00	66.66	1595.62	24.80	57.48	14.97	2.00	66.7	Hold
5885.92	12.00	66.66	5787.89	377.81	875.67	228.10	0.00	0.0	0.0 Curve KOP 7° DLS
6720.44	70.00	52.22	6392.00	678.97	1302.87	454.62	7.00	344.0	Build/Turn 9° DLS
7571.36	90.44	336.68	6560.00	1429.88	1477.17	1166.47	9.00	275.5	Landing Point
14658.23	90.44	336.68	6505.00	7937.60	-1328.24	8047.96	0.00	0.0	PBHL WR205H

Target Set Information:
 Name: William Rodgers 205H
 Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Lat	Long
	(USft)	(USft)	(USft)	(USft)	(USft)	(°)	(°)
LP WR205H	6560.00	1429.72	1477.24	14567446.23	1772702.69	40.110838	-80.526871
PBHL WR205H	6505.00	7937.60	-1328.24	14573954.11	1769897.21	40.128749	-80.536783

Plan Data for William Rodgers OHI 205H

Field: SOUTHWESTERN_OHIO CO, WV UTM NAD 83 (17N)
 Map Unit: USft Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD83 / UTM zone 17N

Site: William Rodgers Pad
 Unit: USFeet TVD Reference:
 Company Name: SOUTHWESTERN ENERGY
 Position: Northing: 14566030.37USft Latitude: 40.106971°
 Easting: 1771224.60USft Longitude: -80.532184°
 North Reference: Grid Grid Convergence: 0.30°
 Elevation Above VRD: 1280.00USft

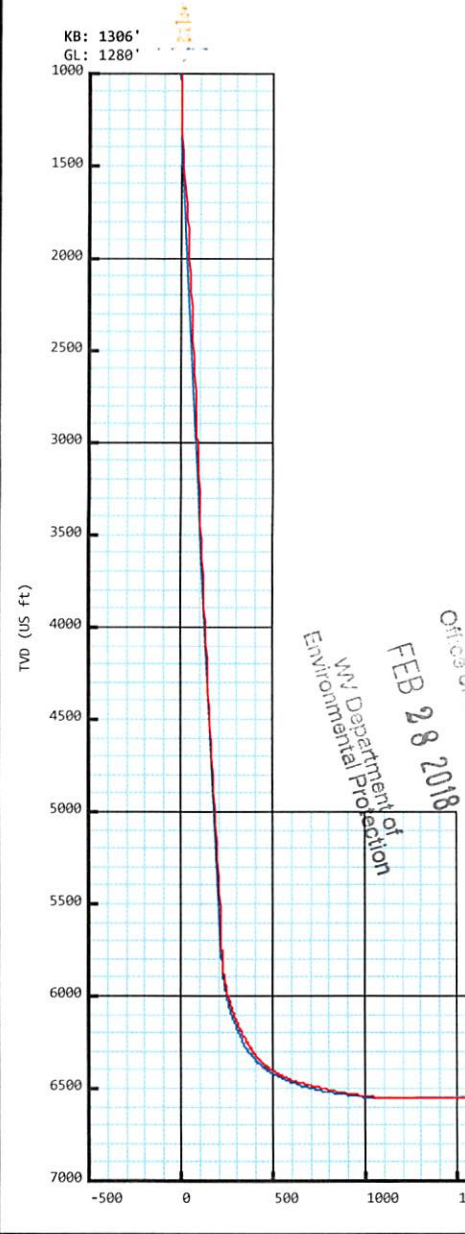
Slot: William Rodgers OHI 205H
 Position:
 Offset is from Site centre
 +N/-S: -13.86USft Northing: 14566016.51USft Latitude: 40.106933°
 +E/-W: 0.85USft Easting: 1771225.45USft Longitude: -80.532181°
 Elevation Above VRD: 1280.00USft

Well: William Rodgers OHI 205H
 Type: Main-Well
 File Number:

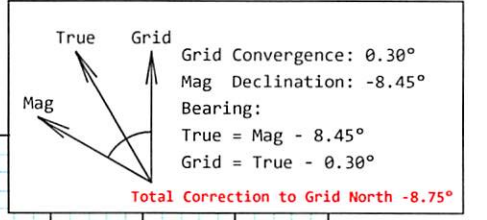
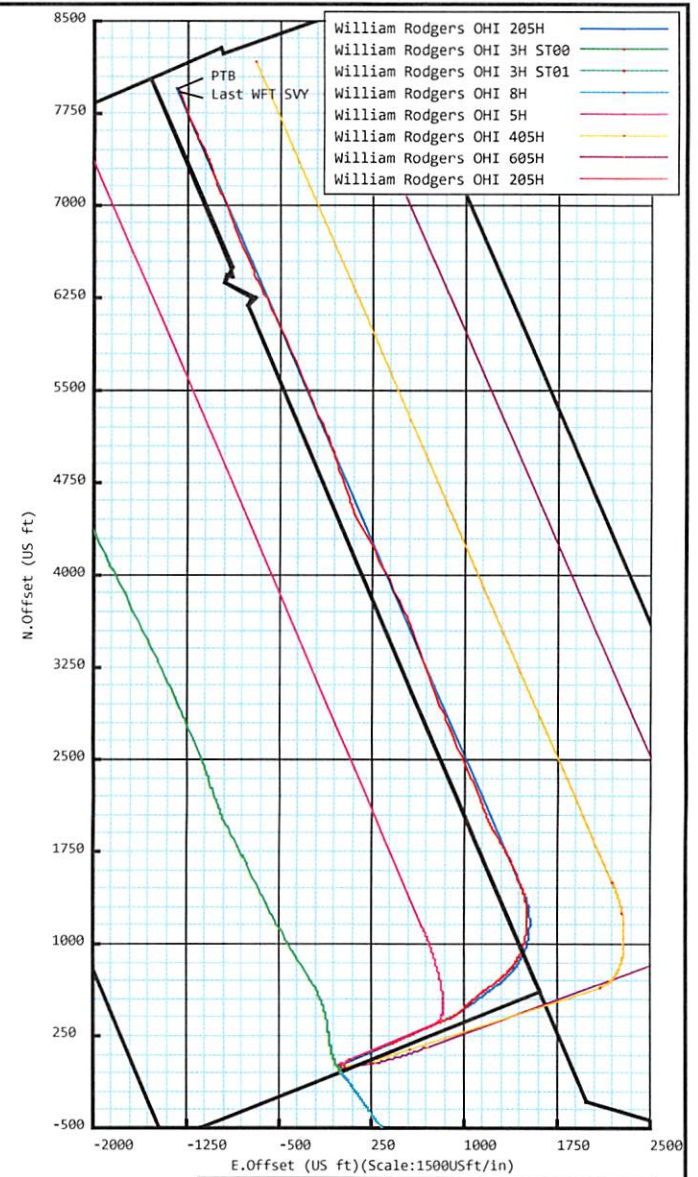
Plan Folder: P1 Plan: P1:V5
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: -0.00USft Azimuth: 350.50°
 +E/-W: -0.00USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 HDGM 52793(nT) -8.45° 67.52° 2017-07-31



Drawing By: GWR Date: 07/25/2017
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5D Survey Report

SOUTHWESTERN ENERGY

Field Name: *SOUTHWESTERN_OHIO CO, WV UTM NAD 83 (17N)*
Site Name: *William Rodgers Pad*
Well Name: *William Rodgers OHI 205H*
Survey: *Definitive survey*

6 August 2017



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William Rodgers OHI 205H

Field Name: SOUTHWESTER N_OHIO CO, WV UTM NAD 83 (17N)	Map Units: US ft	Company Name: SOUTHWESTERN ENERGY	
	Vertical Reference Datum (VRD): Mean Sea Level	Projected Coordinate System: NAD83 / UTM zone 17N	
	Comment:		
Site: William Rodgers Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.30
	Position:	Northing: 14566030.37 US ft	Latitude: 40° 6' 25.10"
		Easting: 1771224.60 US ft	Longitude: -80° 31' 55.86"
Elevation above MSL: 1280.00 US ft	Comment:		
Slot: William Rodgers OHI 205H	Position (Relative to Site Centre)		
	+N/-S: -13.86 US ft	Northing: 14566016.51 US ft	Latitude: 40°6'24.96"
	+E/-W: 0.85 US ft	Easting: 1771225.45 US ft	Longitude: -80°31'55.85"
	Elevation above MSL: 1280.00 US ft		
Well: William Rodgers OHI 205H	Type: Main well	UWI:	
	File Number:	Comment:	
	Closure Distance: 8048.99 US ft	Closure Azimuth: 350.59°	
	Vertical Section: Position of Origin (Relative to Slot centre)		
	+N/-S: -0.00 US ft	+E/-W: -0.00 US ft	Az: 350.50°

Drill floor: Survey Name: Definitive Survey			
Rig Height (Well TVD Reference): 26.00 US ft	Elevation above MSL: 1306.00 US ft	Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey			
Date: 02/Nov/2015	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:

Magnetic Model:			
Model Name: HDGM	Date: 31/Jul/2017	Field Strength: 52793.0 nT	Declination: -8.45° Dip: 67.52°

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	298.00	EMS
MFAC_US_V2	298.00	779.00	WFT MWD_01-MFAC
MWD	779.00	2017.00	WFT MWD_01-MWD
MWD	2017.00	6182.00	WFT MWD_02-MWD
MWD	6182.00	14627.00	WFT MWD_03-MWD

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5D Survey Report

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	0.00	-0.00	-0.00	14566016.51	1771225.45	0.00	
208.00	0.40	291.75	208.00	0.38	0.27	-0.67	14566016.78	1771224.78	0.19	
298.00	0.40	281.95	298.00	0.65	0.45	-1.27	14566016.96	1771224.18	0.08	
390.00	0.30	21.65	390.00	0.98	0.74	-1.50	14566017.25	1771223.95	0.59	
503.00	0.25	68.96	502.99	1.28	1.10	-1.16	14566017.61	1771224.29	0.20	
594.00	0.52	44.86	593.99	1.56	1.47	-0.68	14566017.98	1771224.77	0.34	
686.00	0.49	40.64	685.99	2.06	2.06	-0.13	14566018.57	1771225.32	0.05	
779.00	0.42	14.58	778.99	2.62	2.69	0.21	14566019.20	1771225.66	0.23	
871.00	0.48	13.61	870.98	3.28	3.40	0.39	14566019.91	1771225.84	0.07	
964.00	1.25	65.84	963.97	3.90	4.19	1.41	14566020.70	1771226.86	1.11	
1057.00	3.03	73.34	1056.90	4.46	5.31	4.69	14566021.82	1771230.14	1.93	
1149.00	4.86	73.41	1148.68	5.25	7.12	10.75	14566023.63	1771236.20	1.99	
1242.00	6.75	66.81	1241.20	7.03	10.40	19.55	14566026.91	1771245.00	2.15	
1334.00	8.53	64.56	1332.38	10.18	15.46	30.68	14566031.97	1771256.13	1.96	
1427.00	9.01	61.36	1424.29	14.46	21.91	43.30	14566038.42	1771268.75	0.74	
1519.00	9.31	56.29	1515.12	19.88	29.49	55.82	14566046.00	1771281.27	0.94	
1612.00	9.89	53.28	1606.82	26.61	38.44	68.48	14566054.95	1771293.93	0.82	
1705.00	9.91	56.38	1698.44	33.54	47.65	81.54	14566064.16	1771306.99	0.57	
1797.00	11.41	61.85	1788.85	39.68	56.33	96.16	14566072.84	1771321.61	1.96	
1890.00	12.69	67.37	1879.80	44.95	64.60	113.70	14566081.11	1771339.15	1.85	
1983.00	13.24	69.35	1970.43	49.33	72.28	133.09	14566088.79	1771358.54	0.76	
2017.00	13.72	68.57	2003.49	50.91	75.13	140.49	14566091.64	1771365.94	1.51	
2107.00	13.33	64.82	2091.00	55.92	83.44	159.82	14566099.95	1771385.27	1.07	
2200.00	13.28	65.92	2181.50	61.51	92.36	179.27	14566108.87	1771404.72	0.28	
2289.00	12.57	67.44	2268.25	66.27	100.25	197.55	14566116.76	1771423.00	0.88	
2382.00	12.09	72.26	2359.10	69.95	107.10	216.17	14566123.61	1771441.62	1.22	
2475.00	11.93	71.33	2450.07	72.88	113.15	234.55	14566129.66	1771460.00	0.27	
2567.00	11.67	69.82	2540.12	76.12	119.40	252.29	14566135.91	1771477.74	0.44	
2660.00	11.45	69.04	2631.24	79.70	125.95	269.74	14566142.46	1771495.19	0.29	
2753.00	11.11	68.04	2722.44	83.47	132.60	286.67	14566149.11	1771512.12	0.42	
2846.00	10.42	66.91	2813.80	87.38	139.25	302.72	14566155.76	1771528.17	0.78	
2938.00	10.99	70.27	2904.20	90.89	145.47	318.63	14566161.98	1771544.08	0.92	
3031.00	12.28	72.19	2995.29	93.89	151.49	336.39	14566168.00	1771561.84	1.45	
3124.00	12.49	71.21	3086.13	96.94	157.75	355.33	14566174.26	1771580.78	0.32	
3216.00	12.03	68.40	3176.03	100.56	164.49	373.66	14566181.00	1771599.11	0.82	
3309.00	11.78	66.16	3267.03	104.94	171.89	391.35	14566188.40	1771616.80	0.56	
3402.00	11.31	66.08	3358.15	109.57	179.43	408.37	14566195.94	1771633.82	0.51	
3494.00	10.95	62.65	3448.42	114.49	187.10	424.38	14566203.61	1771649.83	0.82	
3587.00	11.38	67.97	3539.66	119.19	194.60	440.73	14566211.11	1771666.18	1.20	
3680.00	12.49	71.01	3630.65	122.84	201.31	458.75	14566217.82	1771684.20	1.37	
3772.00	12.65	70.73	3720.44	126.19	207.87	477.66	14566224.38	1771703.11	0.19	
3865.00	12.39	67.34	3811.23	130.19	215.08	496.48	14566231.59	1771721.93	0.84	
3958.00	11.53	67.24	3902.21	134.59	222.52	514.26	14566239.03	1771739.71	0.92	
4050.00	10.36	64.98	3992.54	138.91	229.58	530.24	14566246.09	1771755.69	1.35	
4143.00	10.58	65.54	4083.99	143.35	236.65	545.58	14566253.16	1771771.03	0.26	
4236.00	11.43	67.86	4175.28	147.57	243.66	561.89	14566260.17	1771787.34	1.03	
4328.00	12.77	68.21	4265.23	151.73	250.87	579.78	14566267.38	1771805.23	1.46	
4421.00	12.85	68.36	4355.92	156.10	258.49	598.93	14566275.00	1771824.38	0.09	
4514.00	12.32	67.43	4446.69	160.52	266.12	617.71	14566282.63	1771843.16	0.61	
4606.00	11.86	66.26	4536.64	165.06	273.69	635.43	14566290.20	1771860.88	0.57	
4699.00	11.92	65.61	4627.65	169.88	281.50	652.92	14566298.01	1771878.37	0.16	
4792.00	12.29	66.28	4718.58	174.78	289.45	670.73	14566305.96	1771896.18	0.43	
4884.00	12.08	66.30	4808.51	179.55	297.26	688.51	14566313.77	1771913.96	0.23	
4976.00	11.35	63.57	4898.59	184.54	305.16	705.43	14566321.67	1771930.88	1.00	
5070.00	12.03	63.09	4990.64	190.17	313.71	722.45	14566330.22	1771947.90	0.73	
5162.00	12.90	66.08	5080.47	195.59	322.21	740.39	14566338.72	1771965.84	1.18	
5255.00	13.08	67.14	5171.09	200.61	330.51	759.57	14566347.02	1771985.02	0.32	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
5348.00	13.03	65.79	5261.69	205.70	338.90	778.83	14566355.41	1772004.28	0.33	
5441.00	12.56	65.48	5352.38	210.99	347.39	797.60	14566363.90	1772023.05	0.51	
5533.00	11.76	64.67	5442.32	216.14	355.56	815.17	14566372.07	1772040.62	0.89	
5626.00	10.70	68.14	5533.54	220.57	362.83	831.75	14566379.34	1772057.20	1.35	
5719.00	12.35	70.83	5624.66	224.09	369.31	849.16	14566385.82	1772074.61	1.87	
5811.00	12.54	70.97	5714.50	227.40	375.79	867.89	14566392.30	1772093.34	0.21	
5858.00	13.63	69.26	5760.28	229.32	379.42	877.90	14566395.93	1772103.35	2.46	
5904.00	16.22	66.18	5804.72	231.97	383.93	888.84	14566400.44	1772114.29	5.89	
5951.00	19.10	62.37	5849.50	235.98	390.15	901.66	14566406.66	1772127.11	6.60	
5997.00	21.91	60.30	5892.58	241.29	397.90	915.79	14566414.41	1772141.24	6.31	
6043.00	24.64	57.14	5934.84	248.06	407.35	931.30	14566423.86	1772156.75	6.52	
6090.00	26.99	55.16	5977.15	256.51	418.76	948.29	14566435.27	1772173.74	5.33	
6136.00	29.52	52.01	6017.66	266.38	431.71	965.79	14566448.22	1772191.24	6.38	
6182.00	31.70	50.81	6057.25	277.78	446.32	984.09	14566462.83	1772209.54	4.92	
6257.00	33.94	43.61	6120.30	300.12	473.95	1013.82	14566490.46	1772239.27	6.00	
6303.00	37.22	43.56	6157.71	316.19	493.33	1032.27	14566509.84	1772257.72	7.13	
6350.00	42.17	45.99	6193.86	333.68	514.61	1053.43	14566531.12	1772278.88	11.04	
6396.00	45.46	49.01	6227.05	351.00	536.10	1076.92	14566552.61	1772302.37	8.47	
6442.00	49.03	51.77	6258.28	367.92	557.60	1102.94	14566574.11	1772328.39	8.92	
6489.00	53.34	51.58	6287.73	385.57	580.31	1131.67	14566596.82	1772357.12	9.18	
6535.00	57.08	51.82	6313.97	403.77	603.72	1161.31	14566620.23	1772386.76	8.14	
6582.00	60.77	51.49	6338.23	423.19	628.69	1192.87	14566645.20	1772418.32	7.87	
6628.00	64.24	51.90	6359.46	442.84	653.98	1224.89	14566670.49	1772450.34	7.58	
6675.00	67.48	52.48	6378.68	463.18	680.26	1258.77	14566696.77	1772484.22	6.98	
6721.00	70.32	51.57	6395.24	483.64	706.67	1292.60	14566723.18	1772518.05	6.44	
6767.00	71.49	47.63	6410.29	505.96	734.84	1325.69	14566751.35	1772551.14	8.48	
6814.00	72.26	42.51	6424.92	531.85	766.38	1357.29	14566782.89	1772582.74	10.48	
6860.00	73.11	37.14	6438.62	560.46	800.09	1385.40	14566816.60	1772610.85	11.30	
6906.00	74.14	32.62	6451.60	592.00	836.29	1410.63	14566852.80	1772636.08	9.69	
6953.00	74.84	28.96	6464.17	626.54	875.19	1433.81	14566891.70	1772659.26	7.65	
6999.00	75.61	24.81	6475.91	662.34	914.85	1453.91	14566931.36	1772679.36	8.88	
7046.00	76.75	20.46	6487.14	700.98	956.96	1471.47	14566973.47	1772696.92	9.31	
7092.00	77.76	16.01	6497.29	740.68	999.57	1485.50	14567016.08	1772710.95	9.69	
7138.00	78.07	11.91	6506.93	781.93	1043.21	1496.35	14567059.72	1772721.80	8.74	
7185.00	78.02	8.23	6516.66	825.25	1088.47	1504.39	14567104.98	1772729.84	7.66	
7231.00	78.40	4.41	6526.07	868.56	1133.22	1509.34	14567149.73	1772734.79	8.17	
7278.00	80.59	1.68	6534.64	913.67	1179.36	1511.79	14567195.87	1772737.24	7.37	
7324.00	82.59	358.46	6541.37	958.53	1224.86	1511.84	14567241.37	1772737.29	8.18	
7370.00	83.51	354.63	6546.93	1003.93	1270.43	1509.09	14567286.94	1772734.54	8.50	
7417.00	84.63	351.17	6551.79	1050.63	1316.81	1503.31	14567333.32	1772728.76	7.70	
7463.00	86.30	347.26	6555.43	1096.46	1361.84	1494.73	14567378.35	1772720.18	9.22	
7509.00	87.47	342.67	6557.93	1142.17	1406.19	1482.82	14567422.70	1772708.27	10.28	
7556.00	88.40	338.15	6559.63	1188.40	1450.43	1467.08	14567466.94	1772692.53	9.81	
7602.00	89.38	336.88	6560.52	1233.21	1492.92	1449.49	14567509.43	1772674.94	3.49	
7695.00	91.67	338.52	6559.66	1323.89	1578.95	1414.20	14567595.46	1772639.65	3.03	
7787.00	90.68	336.03	6557.78	1413.42	1663.79	1378.67	14567680.30	1772604.12	2.91	
7880.00	91.60	333.03	6555.93	1502.80	1747.72	1338.69	14567764.23	1772564.14	3.37	
7973.00	90.37	327.77	6554.33	1590.09	1828.54	1292.78	14567845.05	1772518.23	5.81	
8066.00	91.60	328.86	6552.73	1676.19	1907.66	1243.94	14567924.17	1772469.39	1.77	
8158.00	91.79	334.90	6550.00	1763.30	1988.73	1200.62	14568005.24	1772426.07	6.57	
8251.00	91.97	338.97	6546.95	1853.64	2074.23	1164.21	14568090.74	1772389.66	4.38	
8297.00	92.28	336.18	6545.25	1898.44	2116.72	1146.67	14568133.23	1772372.12	6.10	
8343.00	93.89	339.13	6542.77	1943.21	2159.20	1129.21	14568175.71	1772354.66	7.30	
8436.00	92.90	338.55	6537.26	2034.13	2245.77	1095.70	14568262.28	1772321.15	1.23	
8529.00	91.85	337.95	6533.41	2124.94	2332.08	1061.27	14568348.59	1772286.72	1.30	
8622.00	91.17	337.23	6530.96	2215.55	2418.02	1025.83	14568434.53	1772251.28	1.06	
8714.00	91.05	336.06	6529.18	2304.86	2502.47	989.36	14568518.98	1772214.81	1.28	
8807.00	91.05	337.00	6527.47	2395.09	2587.76	952.33	14568604.27	1772177.78	1.01	
8900.00	90.74	337.82	6526.02	2485.66	2673.61	916.61	14568690.12	1772142.06	0.94	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
8992.00	90.86	337.05	6524.73	2575.27	2758.56	881.31	14568775.07	1772106.76	0.85	
9085.00	91.36	338.19	6522.93	2665.91	2844.54	845.91	14568861.05	1772071.36	1.34	
9178.00	90.92	339.03	6521.08	2756.90	2931.11	812.00	14568947.62	1772037.45	1.02	
9270.00	90.37	338.66	6520.05	2846.99	3016.91	778.80	14569033.42	1772004.25	0.72	
9363.00	90.49	338.73	6519.35	2938.02	3103.55	745.01	14569120.06	1771970.46	0.15	
9456.00	90.49	340.57	6518.55	3029.35	3190.74	712.67	14569207.25	1771938.12	1.98	
9548.00	90.43	339.85	6517.81	3119.87	3277.30	681.52	14569293.81	1771906.97	0.79	
9641.00	90.49	339.62	6517.07	3211.23	3364.54	649.31	14569381.05	1771874.76	0.26	
9734.00	90.43	340.39	6516.32	3302.67	3451.93	617.51	14569468.44	1771842.96	0.83	
9823.00	90.56	339.80	6515.55	3390.21	3535.61	587.22	14569552.12	1771812.67	0.68	
9916.00	90.43	336.61	6514.75	3481.06	3621.95	552.69	14569638.46	1771778.14	3.43	
10009.00	90.49	334.69	6514.00	3570.94	3706.67	514.35	14569723.18	1771739.80	2.07	
10101.00	90.55	334.51	6513.17	3659.42	3789.77	474.89	14569806.28	1771700.34	0.21	
10194.00	90.55	333.90	6512.27	3748.68	3873.50	434.42	14569890.01	1771659.87	0.66	
10287.00	90.49	333.81	6511.43	3837.78	3956.98	393.44	14569973.49	1771618.89	0.12	
10379.00	90.49	333.69	6510.64	3925.87	4039.49	352.75	14570056.00	1771578.20	0.13	
10472.00	90.55	332.83	6509.80	4014.69	4122.54	310.91	14570139.05	1771536.36	0.93	
10565.00	90.37	331.90	6509.05	4103.07	4204.93	267.78	14570221.44	1771493.23	1.02	
10658.00	90.62	331.86	6508.25	4191.19	4286.95	223.95	14570303.46	1771449.40	0.27	
10748.00	90.55	332.54	6507.33	4276.64	4366.56	181.97	14570383.07	1771407.42	0.76	
10840.00	90.74	332.88	6506.30	4364.23	4448.31	139.79	14570464.82	1771365.24	0.42	
10930.00	90.68	335.39	6505.18	4450.57	4529.28	100.54	14570545.79	1771325.99	2.79	
11023.00	90.62	340.19	6504.12	4541.26	4615.35	65.40	14570631.86	1771290.85	5.16	
11115.00	90.68	340.81	6503.08	4631.86	4702.07	34.69	14570718.58	1771260.14	0.68	
11208.00	90.93	341.70	6501.77	4723.64	4790.13	4.81	14570806.64	1771230.26	0.99	
11298.00	90.68	342.93	6500.51	4812.71	4875.86	-22.53	14570892.37	1771202.92	1.39	
11391.00	90.43	341.27	6499.61	4904.71	4964.35	-51.11	14570980.86	1771174.34	1.80	
11484.00	90.31	338.07	6499.01	4996.04	5051.55	-83.42	14571068.06	1771142.03	3.44	
11576.00	90.37	336.67	6498.46	5085.63	5136.46	-118.82	14571152.97	1771106.63	1.52	
11669.00	90.53	337.15	6497.73	5176.02	5222.01	-155.29	14571238.52	1771070.16	0.54	
11762.00	90.49	337.95	6496.90	5266.65	5307.96	-190.80	14571324.47	1771034.65	0.86	
11855.00	90.43	338.20	6496.16	5357.47	5394.23	-225.53	14571410.74	1770999.92	0.28	
11948.00	90.43	335.66	6495.46	5447.86	5479.78	-261.96	14571496.29	1770963.49	2.73	
12040.00	90.49	336.11	6494.72	5536.88	5563.75	-299.55	14571580.26	1770925.90	0.49	
12133.00	90.43	336.38	6493.97	5627.02	5648.87	-337.01	14571665.38	1770888.44	0.30	
12226.00	90.37	335.88	6493.32	5717.11	5733.91	-374.65	14571750.42	1770850.80	0.54	
12319.00	90.12	335.57	6492.93	5807.03	5818.68	-412.88	14571835.19	1770812.57	0.43	
12412.00	90.19	335.88	6492.67	5896.95	5903.46	-451.11	14571919.97	1770774.34	0.34	
12504.00	90.12	335.15	6492.43	5985.82	5987.19	-489.24	14572003.70	1770736.21	0.80	
12597.00	90.25	334.27	6492.13	6075.31	6071.27	-528.97	14572087.78	1770696.48	0.96	
12690.00	90.43	334.77	6491.57	6164.72	6155.23	-568.98	14572171.74	1770656.47	0.57	
12783.00	90.37	333.82	6490.92	6254.02	6239.02	-609.31	14572255.53	1770616.14	1.02	
12875.00	89.75	331.81	6490.83	6341.67	6320.85	-651.34	14572337.36	1770574.11	2.29	
12968.00	89.82	334.84	6491.18	6430.51	6403.94	-693.09	14572420.45	1770532.36	3.26	
13061.00	89.94	337.88	6491.37	6520.68	6489.13	-730.38	14572505.64	1770495.07	3.27	
13154.00	89.82	338.37	6491.57	6611.52	6575.43	-765.03	14572591.94	1770460.42	0.54	
13247.00	90.26	338.38	6491.50	6702.44	6661.89	-799.30	14572678.40	1770426.15	0.47	
13339.00	90.19	338.66	6491.14	6792.44	6747.50	-832.99	14572764.01	1770392.46	0.31	
13432.00	90.18	337.37	6490.84	6883.24	6833.73	-867.80	14572850.24	1770357.65	1.39	
13525.00	90.26	338.20	6490.48	6973.96	6919.83	-902.96	14572936.34	1770322.49	0.90	
13618.00	89.69	339.03	6490.52	7064.96	7006.42	-936.87	14573022.93	1770288.58	1.08	
13710.00	89.94	337.91	6490.82	7154.94	7092.00	-970.64	14573108.51	1770254.81	1.25	
13803.00	89.94	339.02	6490.92	7245.89	7178.51	-1004.77	14573195.02	1770220.68	1.19	
13896.00	90.12	341.15	6490.87	7337.36	7265.94	-1036.45	14573282.45	1770189.00	2.30	
13989.00	89.82	339.34	6490.92	7428.87	7353.46	-1067.88	14573369.97	1770157.57	1.97	
14082.00	89.88	334.38	6491.16	7519.21	7438.95	-1104.42	14573455.46	1770121.03	5.33	
14174.00	89.14	333.00	6491.95	7607.28	7521.42	-1145.19	14573537.93	1770080.26	1.70	
14267.00	89.08	336.28	6493.39	7696.71	7605.43	-1185.01	14573621.94	1770040.44	3.53	
14360.00	89.26	339.22	6494.74	7787.40	7691.49	-1220.22	14573708.00	1770005.23	3.17	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
14453.00	89.26	338.99	6495.94	7878.56	7778.37	-1253.39	14573794.88	1769972.06	0.25	
14546.00	89.20	338.73	6497.19	7969.64	7865.10	-1286.92	14573881.61	1769938.53	0.29	
14604.00	89.32	339.01	6497.94	8026.44	7919.20	-1307.83	14573935.71	1769917.62	0.53	Last WFT SVY
14627.00	89.32	339.01	6498.21	8048.98	7940.67	-1316.07	14573957.18	1769909.38	0.00	PTB

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