

Gladys Briggs 10H
 Marshall County, WV
 SDC 40
Plan vs Actual

Plan Data for Gladys Briggs 10H

Plan Point Information:
 Dogleg Severity Unit: °/100.00ft

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	VSec (USft)	DLS (DLSU)	Toolface (°)
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.0
800.00	0.00	0.00	800.00	0.00	-0.00	0.00	0.00	0.0
1025.00	4.50	296.00	1024.77	3.87	-7.94	-8.80	2.00	296.0
1525.00	4.50	296.00	1523.23	21.07	-43.20	-47.90	0.00	0.0
1975.00	0.00	0.00	1972.76	28.81	-59.07	-65.51	1.00	180.0
3002.24	0.00	0.00	3000.00	28.81	-59.07	-65.51	0.00	0.0
3801.90	15.99	20.53	3789.32	132.65	-20.18	-84.95	2.00	20.5
6396.51	15.99	20.53	6283.50	802.12	230.53	-210.31	0.00	0.0
7478.98	70.00	129.25	7113.60	587.82	755.54	350.63	7.00	113.3
7698.18	89.72	129.25	7152.00	451.98	921.82	562.92	9.00	0.0
14151.79	89.72	129.25	7183.00	-3630.98	5919.57	6943.60	0.00	0.0

Target Set Information:
 Name: GLADYS BRIGGS 10H TARGETS
 Position offsets from Slot centre

Name	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	Lat (°)	Long (°)
LP 10H	7152.00	451.98	921.82	14442612.96	1749294.08	39.768337	-80.612530
PBHL 10H	7183.00	-3630.98	5919.57	14438530.00	1754291.83	39.757064	-80.594810

Plan Data for Gladys Briggs 10H

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

Site: Gladys Briggs Pad
 Unit: USFeet TVD Reference:
 Company Name: SOUTHWESTERN ENERGY

Position:
 Northing: 14442131.72USft Latitude: 39.767027°
 Easting: 1748342.31USft Longitude: -80.615924°

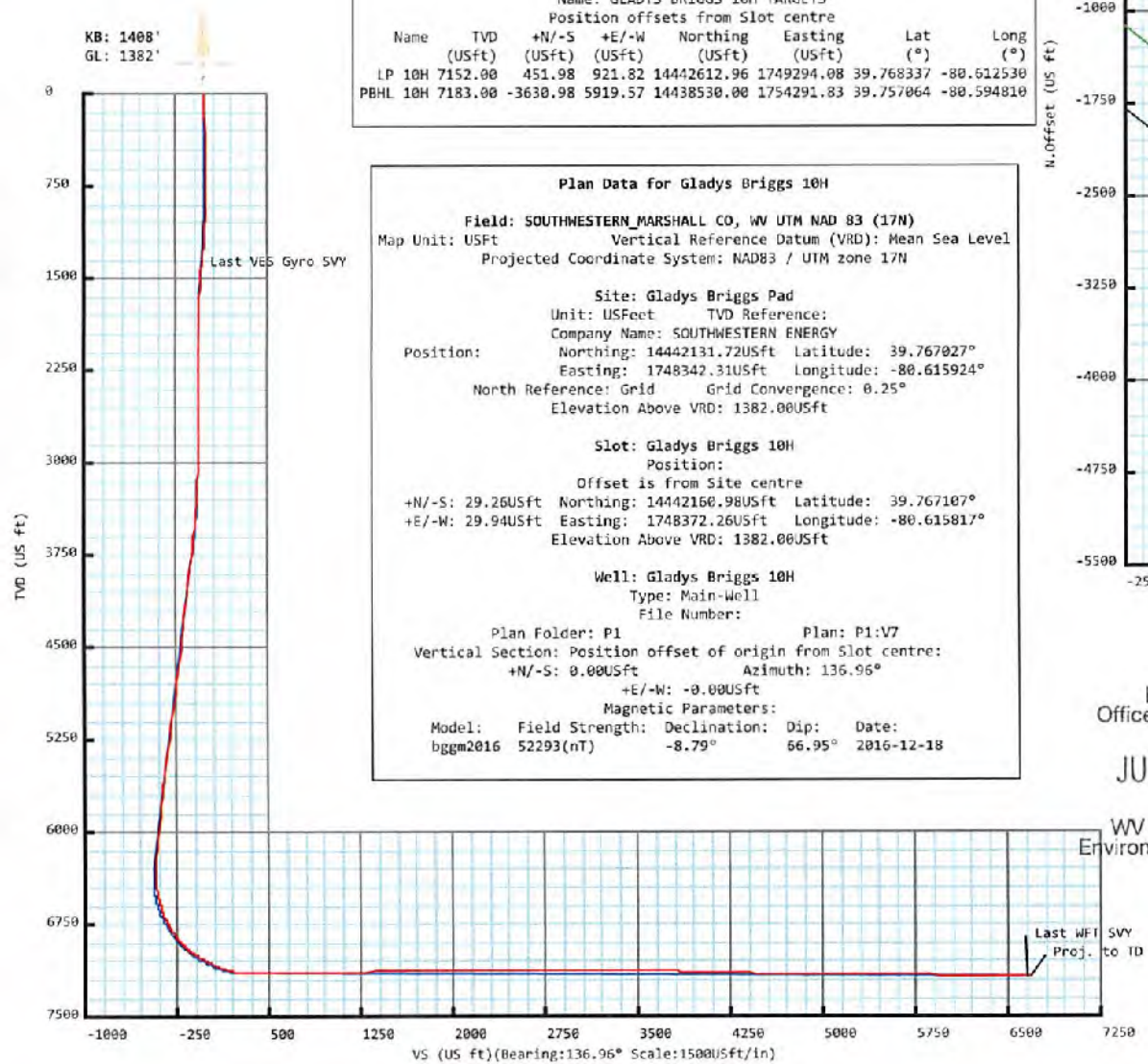
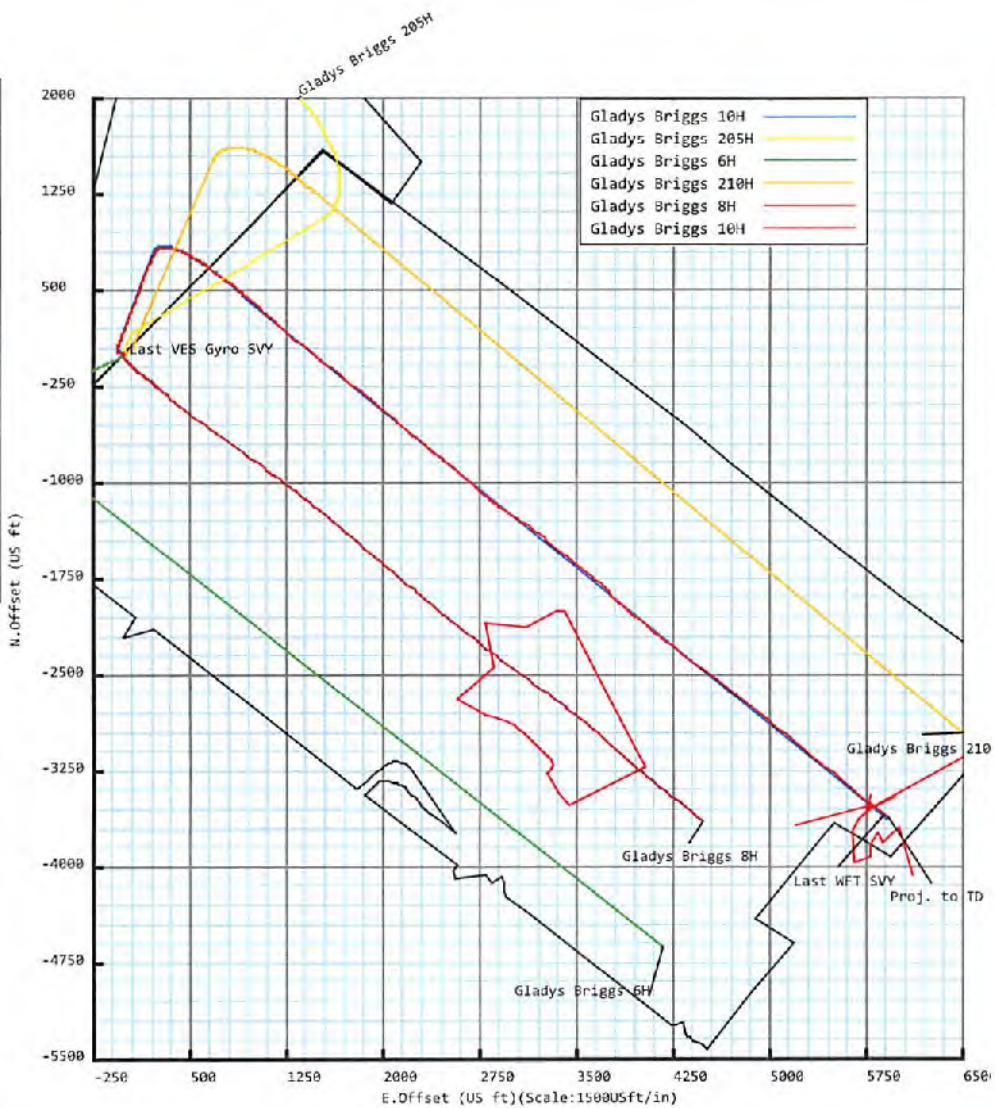
North Reference: Grid Grid Convergence: 0.25°
 Elevation Above VRD: 1382.00USft

Slot: Gladys Briggs 10H
 Position:
 Offset is from Site centre
 +N/-S: 29.26USft Northing: 14442160.98USft Latitude: 39.767107°
 +E/-W: 29.94USft Easting: 1748372.26USft Longitude: -80.615817°
 Elevation Above VRD: 1382.00USft

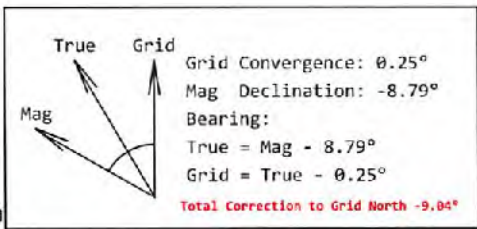
Well: Gladys Briggs 10H
 Type: Main-Well
 File Number:

Plan Folder: P1 Plan: P1:V7
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: 0.00USft Azimuth: 136.96°
 +E/-W: -0.00USft

Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 bggm2016 52293(nT) -8.79° 66.95° 2016-12-18



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Drawing By: GWR Date: 11/15/2016
 Weatherford Drilling Services
 7725 W. Reno, Ste. #220
 Oklahoma City, OK 73127
 +1.405.773.1100 Main
 +1.405.773.1887 Fax

**5D Survey Report**

SOUTHWESTERN ENERGY

Field Name: *SOUTHWESTERN_MARSHALL CO, WV UTM NAD 83
(17N)*

Site Name: *Gladys Briggs Pad*

Well Name: *Gladys Briggs 10H*

Survey: *Definitive survey*

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Gladys Briggs 10H

Map Units: US ft	Company Name: SOUTHWESTERN ENERGY
Field Name:	Vertical Reference Datum (VRD): Mean Sea Level
SOUTHWESTER N_MARSHALL CO, WV UTM NAD 83 (17N)	Projected Coordinate System: NAD83 / UTM zone 17N
	Comment:

Site: Gladys Briggs Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.25
	Position:	Northing: 14442131.72 US ft	Latitude: 39.767027000
		Easting: 1748342.31 US ft	Longitude: -80.615924000
	Elevation above MSL: 1382.00 US ft		
	Comment:		

Slot: Gladys Briggs 10H	Position (Relative to Site Centre)		
	+N/-S: 29.26 US ft	Northing: 14442160.98 US ft	Latitude: 39.767107000
	+E/-W: 29.94 US ft	Easting: 1748372.26 US ft	Longitude: -80.615817000
	Elevation above MSL: 1382.00 US ft		
	Comment:		

Well: Gladys Briggs 10H	Type: Main well	UWI:	<div style="text-align: center;"> <p>RECEIVED Office of Oil and Gas JUL 12 2017 WV Department of Environmental Protection</p> </div>
	File Number:	Comment:	
	Closure Distance: 6942 US ft	Closure Azimuth: 121.45°	
	Vertical Section: Position of Origin (Relative to Slot centre)		
	+N/-S: 0.00 US ft	+E/-W: -0.00 US ft	Az: 120.63°

Drill floor: Survey Name: Definitive Survey			
Rig Height (Drill Floor): 26.00 US ft	Elevation above MSL: 1408.00 US ft	Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey			
Date: 19/Oct/2015	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:

Magnetic Model:				
Model Name: bggm2016	Date: 18/Dec/2016	Field Strength: 52293.9nT	Declination: -8.79°	Dip: 66.95°

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
GYRO-NS_OW	0.00	100.00	VES Gyro
MWD	100.00	815.00	Rig Surveys
GYRO-NS_OW	815.00	1400.00	VES Gyro
MWD	1400.00	2574.00	WFT MWD (02)
MWD	2574.00	5590.00	WFT MWD (03)
MWD	5590.00	14130.00	WFT MWD (04)

Wellpath created using minimum curvature.

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)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	-0.00	14442160.98	1748372.26	0.00	
100.00	0.14	34.35	100.00	0.01	0.10	0.07	14442161.08	1748372.32	0.14	
176.00	0.10	7.78	176.00	-0.01	0.24	0.13	14442161.22	1748372.39	0.09	
298.00	0.20	130.08	298.00	0.16	0.21	0.31	14442161.19	1748372.56	0.22	
390.00	0.40	71.18	390.00	0.52	0.21	0.73	14442161.19	1748372.99	0.37	
508.00	0.10	147.18	508.00	0.88	0.26	1.18	14442161.24	1748373.44	0.33	
596.00	0.10	56.48	596.00	0.99	0.24	1.29	14442161.22	1748373.54	0.16	
685.00	0.10	211.28	685.00	1.02	0.21	1.31	14442161.19	1748373.57	0.22	
772.00	0.30	131.18	772.00	1.24	-0.00	1.44	14442160.98	1748373.70	0.34	
815.00	0.40	247.48	815.00	1.26	-0.13	1.39	14442160.85	1748373.64	1.39	
900.00	0.42	147.38	899.99	1.36	-0.51	1.28	14442160.47	1748373.54	0.74	
1000.00	1.42	261.51	999.99	0.73	-1.00	0.25	14442159.98	1748372.51	1.64	
1100.00	4.50	278.58	1099.84	-3.87	-0.60	-4.85	14442160.38	1748367.40	3.17	
1200.00	5.61	275.08	1199.45	-11.92	0.42	-13.60	14442161.40	1748358.66	1.15	
1300.00	6.80	286.61	1298.87	-22.07	2.54	-24.14	14442163.52	1748348.11	1.72	
1400.00	6.70	292.35	1398.17	-33.59	6.45	-35.21	14442167.43	1748337.05	0.68	Last VES Gyro SVY
1490.00	5.31	301.65	1487.68	-42.95	10.64	-43.61	14442171.62	1748328.64	1.88	
1583.00	4.37	317.20	1580.35	-50.65	15.49	-49.68	14442176.47	1748322.57	1.73	
1675.00	3.33	325.52	1672.14	-56.43	20.27	-53.58	14442181.25	1748318.68	1.28	
1768.00	2.02	339.96	1765.04	-60.15	24.04	-55.67	14442185.02	1748316.59	1.57	
1860.00	1.40	348.80	1857.00	-62.15	25.66	-56.44	14442187.64	1748315.81	0.73	
1953.00	1.04	6.98	1949.98	-63.25	28.61	-56.56	14442189.59	1748315.70	0.56	
2046.00	0.41	22.55	2042.97	-63.63	29.76	-56.33	14442190.74	1748315.93	0.70	
2138.00	0.60	131.50	2134.97	-63.21	29.74	-55.84	14442190.72	1748316.41	0.90	
2231.00	1.63	106.29	2227.95	-61.45	29.05	-54.21	14442190.03	1748318.05	1.20	
2324.00	1.00	200.34	2320.93	-60.02	27.92	-53.22	14442188.90	1748319.03	2.12	
2416.00	1.54	227.23	2412.91	-60.23	26.33	-54.41	14442187.31	1748317.85	0.86	
2509.00	1.34	224.45	2505.88	-60.85	24.70	-56.09	14442185.68	1748316.17	0.23	
2574.00	1.10	221.51	2570.87	-61.15	23.69	-57.03	14442184.67	1748315.22	0.38	
2721.00	0.91	213.44	2717.85	-61.47	21.66	-58.61	14442182.64	1748313.64	0.16	
2814.00	0.97	219.94	2810.83	-61.63	20.44	-59.52	14442181.42	1748312.73	0.13	
2904.00	0.56	332.89	2900.83	-62.13	20.25	-60.21	14442181.23	1748312.04	1.44	
2996.00	2.34	14.60	2992.80	-63.03	22.47	-59.94	14442183.45	1748312.31	2.13	
3089.00	4.20	15.95	3085.64	-64.41	27.58	-58.53	14442188.56	1748313.73	2.00	
3179.00	5.61	16.97	3175.31	-66.29	34.95	-56.34	14442195.93	1748315.92	1.57	
3271.00	6.83	16.44	3266.77	-68.69	44.50	-53.48	14442205.48	1748318.78	1.33	
3364.00	7.82	18.00	3359.01	-71.43	55.82	-49.96	14442216.80	1748322.30	1.09	
3457.00	9.22	20.32	3450.98	-74.15	68.83	-45.42	14442229.81	1748326.84	1.55	
3550.00	11.38	18.12	3542.47	-77.47	84.54	-39.97	14442245.52	1748332.28	2.36	
3642.00	12.96	18.84	3632.40	-81.54	102.93	-33.82	14442263.91	1748338.44	1.73	
3735.00	13.88	20.30	3722.86	-85.67	123.26	-26.58	14442284.24	1748345.67	1.05	
3828.00	15.28	22.60	3812.87	-89.39	145.04	-18.00	14442306.02	1748354.25	1.63	
3921.00	16.40	20.95	3902.33	-93.31	168.61	-8.60	14442329.59	1748363.66	1.30	
4013.00	16.83	19.90	3990.49	-97.97	193.27	0.58	14442354.25	1748372.83	0.57	
4106.00	15.91	17.59	4079.72	-103.35	218.08	9.01	14442379.06	1748381.27	1.21	
4199.00	15.23	19.92	4169.31	-108.50	241.71	17.03	14442402.69	1748389.28	0.99	
4292.00	14.39	22.78	4259.22	-112.35	263.85	25.66	14442424.83	1748397.92	1.20	
4384.00	13.70	22.12	4348.47	-115.52	284.49	34.19	14442445.47	1748406.45	0.77	
4477.00	13.95	23.02	4438.78	-118.64	305.01	42.72	14442465.99	1748414.98	0.35	
4570.00	14.34	22.55	4528.96	-121.74	325.96	51.52	14442486.94	1748423.78	0.44	
4662.00	15.33	22.55	4617.89	-125.05	347.71	60.56	14442508.69	1748432.81	1.08	
4755.00	16.52	21.62	4707.32	-128.85	371.36	70.14	14442532.34	1748442.40	1.31	
4848.00	17.50	22.11	4796.25	-132.99	396.61	80.28	14442557.59	1748452.53	1.06	
4941.00	17.32	21.81	4884.99	-137.18	422.42	90.69	14442583.39	1748462.94	0.22	
5034.00	17.46	20.15	4973.74	-141.85	448.37	100.63	14442609.35	1748472.89	0.55	
5126.00	17.02	19.17	5061.61	-147.03	474.04	109.81	14442635.02	1748482.07	0.57	
5219.00	16.38	21.12	5150.68	-151.90	499.13	119.01	14442660.11	1748491.26	0.91	
5312.00	17.04	20.35	5239.76	-156.50	524.14	128.47	14442685.12	1748500.72	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)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
5404.00	16.99	18.85	5327.73	-161.65	549.50	137.50	14442710.46	1748509.76	0.48	
5497.00	16.23	20.72	5416.85	-166.66	574.51	146.49	14442735.49	1748518.74	1.00	
5590.00	16.58	20.32	5506.06	-171.27	599.11	155.69	14442760.09	1748527.95	0.40	
5705.00	14.19	20.23	5616.93	-176.75	627.73	166.27	14442788.71	1748538.52	2.08	
5797.00	15.25	23.40	5705.91	-180.31	649.41	174.97	14442810.39	1748547.23	1.45	
5890.00	16.09	24.54	5795.46	-183.22	672.36	185.18	14442833.34	1748557.44	0.96	
5983.00	15.69	24.28	5884.90	-185.98	695.55	195.71	14442856.53	1748567.96	0.44	
6076.00	15.53	24.09	5974.47	-188.79	718.38	205.96	14442879.36	1748578.21	0.18	
6168.00	15.85	23.79	6063.04	-191.69	741.12	216.05	14442902.10	1748588.31	0.36	
6261.00	15.87	24.28	6152.50	-194.60	764.33	226.40	14442925.31	1748598.66	0.15	
6354.00	16.33	24.00	6241.86	-197.52	787.86	236.95	14442948.84	1748609.21	0.50	
6400.00	15.88	29.84	6286.05	-198.35	799.23	242.71	14442960.21	1748614.97	3.65	
6446.00	16.00	45.25	6330.31	-196.84	809.16	250.35	14442970.14	1748622.61	9.18	
6493.00	16.27	60.93	6375.48	-191.88	816.92	260.71	14442977.90	1748632.97	9.26	
6539.00	16.63	72.80	6419.60	-184.21	822.00	272.63	14442982.98	1748644.89	7.34	
6586.00	17.12	81.33	6464.59	-174.34	825.03	285.90	14442986.01	1748658.16	5.37	
6632.00	17.79	87.26	6508.47	-163.23	826.39	299.61	14442987.37	1748671.87	4.13	
6678.00	19.31	90.08	6552.08	-150.81	826.71	314.24	14442987.69	1748686.49	3.84	
6725.00	21.05	92.76	6596.20	-136.65	826.30	330.44	14442987.28	1748702.70	4.19	
6771.00	23.71	98.05	6638.73	-120.81	824.60	347.86	14442985.58	1748720.11	7.25	
6817.00	25.12	103.70	6680.62	-102.92	821.00	366.50	14442981.98	1748738.76	5.93	
6864.00	27.30	108.77	6722.79	-82.83	815.16	386.41	14442976.14	1748758.66	6.65	
6910.00	30.85	111.02	6762.99	-60.87	807.54	407.41	14442968.52	1748779.67	8.07	
6956.00	34.56	112.49	6801.69	-36.31	798.31	430.48	14442959.29	1748802.74	8.25	
7003.00	37.48	113.69	6839.70	-8.92	787.46	455.90	14442948.44	1748828.16	6.39	
7049.00	40.77	114.29	6875.38	19.91	775.66	482.41	14442936.64	1748854.67	7.20	
7095.00	44.79	116.22	6909.14	51.01	762.32	510.65	14442923.30	1748882.91	9.19	
7142.00	49.23	118.17	6941.18	85.32	746.59	541.21	14442907.57	1748913.47	9.92	
7188.00	53.27	120.47	6969.97	121.17	729.01	572.47	14442889.99	1748944.73	9.61	
7235.00	56.93	123.88	6996.86	159.69	708.47	605.07	14442869.45	1748977.33	9.80	
7281.00	59.63	127.69	7021.05	198.64	685.58	636.79	14442846.56	1749009.05	9.17	
7327.00	61.26	128.84	7043.74	238.30	660.80	668.20	14442821.78	1749040.46	4.16	
7374.00	63.24	127.38	7065.63	279.54	635.14	700.93	14442796.12	1749073.19	5.03	
7420.00	65.21	126.86	7085.63	320.69	610.14	733.96	14442771.12	1749106.22	4.40	
7467.00	66.60	126.91	7104.82	363.34	584.39	768.28	14442745.37	1749140.53	2.96	
7513.00	71.97	128.30	7121.08	405.03	558.14	802.34	14442719.12	1749174.60	12.01	
7559.00	76.52	129.70	7133.57	449.82	530.28	836.74	14442691.26	1749208.99	10.32	
7606.00	80.83	130.75	7142.80	495.25	500.52	871.91	14442661.50	1749244.17	9.43	
7652.00	84.75	131.01	7148.57	540.14	470.66	905.41	14442631.64	1749278.66	8.54	
7698.00	88.03	130.76	7151.46	585.31	440.62	941.11	14442601.60	1749313.37	7.15	
7745.00	88.83	130.79	7152.75	631.56	409.93	976.69	14442570.91	1749348.95	1.70	
7838.00	89.08	130.69	7154.45	723.10	349.25	1047.14	14442510.23	1749419.40	0.29	
7930.00	90.99	132.22	7154.39	813.46	288.35	1116.09	14442449.33	1749488.35	2.66	
8023.00	90.86	131.08	7152.89	904.73	226.55	1185.57	14442387.53	1749557.83	1.23	
8116.00	90.55	129.86	7151.75	996.35	166.19	1256.31	14442327.17	1749628.57	1.35	
8208.00	90.35	130.06	7151.02	1087.13	107.11	1326.83	14442268.09	1749699.08	0.31	
8301.00	91.42	129.07	7149.59	1178.99	47.88	1398.51	14442208.86	1749770.77	1.57	
8394.00	91.30	128.59	7147.38	1271.01	-10.41	1470.94	14442150.56	1749843.20	0.53	
8487.00	91.23	127.30	7145.33	1363.23	-67.59	1544.26	14442093.39	1749916.52	1.39	
8579.00	91.29	126.92	7143.30	1454.62	-123.08	1617.61	14442037.90	1749989.87	0.42	
8672.00	91.35	128.18	7141.16	1546.92	-179.74	1691.32	14441981.24	1750063.58	1.36	
8765.00	90.68	128.25	7139.51	1639.09	-237.27	1764.38	14441923.71	1750136.63	0.72	
8858.00	90.31	128.29	7138.71	1731.26	-294.86	1837.39	14441866.12	1750209.65	0.40	
8950.00	90.35	130.24	7138.18	1822.21	-353.09	1908.61	14441807.89	1750280.87	2.12	
9043.00	90.49	131.08	7137.50	1913.79	-413.68	1979.16	14441747.30	1750351.42	0.92	
9136.00	90.37	130.68	7136.80	2005.30	-474.55	2049.47	14441686.43	1750421.73	0.45	
9229.00	90.18	129.61	7136.35	2097.02	-534.50	2120.56	14441626.48	1750492.82	1.17	
9321.00	90.37	130.58	7135.91	2187.76	-593.76	2190.94	14441567.22	1750563.20	1.07	
9414.00	90.06	129.36	7135.56	2279.53	-653.50	2262.21	14441507.48	1750634.47	1.35	

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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)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
9507.00	90.05	129.00	7135.47	2371.49	-712.25	2334.30	14441448.73	1750706.56	0.39	
9599.00	89.69	129.61	7135.67	2462.44	-770.53	2405.49	14441390.45	1750777.74	0.78	
9692.00	89.69	128.56	7136.17	2554.43	-829.16	2477.67	14441331.82	1750849.93	1.13	
9785.00	89.75	129.07	7136.63	2646.48	-887.45	2550.14	14441273.53	1750922.39	0.55	
9878.00	90.31	129.56	7136.58	2738.41	-946.37	2622.09	14441214.61	1750994.34	0.80	
9970.00	90.12	132.13	7136.23	2828.95	-1006.54	2691.68	14441154.44	1751063.93	2.80	
10063.00	90.26	133.06	7135.92	2919.92	-1069.48	2760.14	14441091.50	1751132.39	1.01	
10156.00	90.06	130.49	7135.66	3011.16	-1131.43	2829.49	14441029.55	1751201.75	2.77	
10249.00	89.88	124.67	7135.71	3103.44	-1188.12	2903.16	14440972.85	1751275.42	6.26	
10341.00	89.82	123.32	7135.95	3195.28	-1239.56	2979.43	14440921.42	1751351.69	1.47	
10434.00	90.00	122.42	7136.10	3288.20	-1290.04	3057.54	14440870.94	1751429.80	0.99	
10527.00	90.00	126.96	7136.10	3380.95	-1342.95	3133.99	14440818.03	1751506.25	4.88	
10620.00	90.12	128.35	7136.00	3473.25	-1399.76	3207.62	14440761.21	1751579.88	1.50	
10712.00	90.06	129.93	7135.86	3564.23	-1457.84	3278.97	14440703.14	1751651.23	1.72	
10805.00	89.88	129.54	7135.91	3656.06	-1517.28	3350.49	14440643.70	1751722.75	0.46	
10898.00	89.82	128.32	7136.15	3748.08	-1575.72	3422.83	14440585.26	1751795.09	1.31	
10991.00	89.63	128.44	7136.60	3840.23	-1633.46	3495.74	14440527.52	1751867.99	0.24	
11083.00	88.95	129.08	7137.74	3931.30	-1691.05	3567.47	14440469.93	1751939.73	1.01	
11176.00	89.01	130.17	7139.39	4023.14	-1750.36	3639.09	14440410.62	1752011.35	1.17	
11269.00	89.20	132.92	7140.84	4114.44	-1812.02	3708.68	14440348.96	1752080.94	2.96	
11361.00	88.40	134.08	7142.77	4204.10	-1875.33	3775.40	14440285.65	1752147.65	1.53	
11454.00	88.40	133.88	7145.37	4294.56	-1939.89	3842.29	14440221.09	1752214.55	0.21	
11547.00	88.27	131.14	7148.07	4385.52	-2002.70	3910.81	14440158.28	1752283.07	2.95	
11639.00	88.46	129.94	7150.70	4476.11	-2062.47	3980.70	14440098.51	1752352.95	1.32	
11732.00	88.52	129.78	7153.15	4567.87	-2122.05	4052.06	14440038.93	1752424.32	0.18	
11825.00	88.52	128.80	7155.55	4659.78	-2180.93	4124.01	14439980.05	1752496.27	1.05	
11918.00	89.82	127.91	7156.90	4751.92	-2238.63	4196.93	14439922.35	1752569.19	1.69	
12011.00	89.82	127.46	7157.19	4844.22	-2295.48	4270.53	14439865.50	1752642.79	0.48	
12103.00	89.45	127.22	7157.77	4935.58	-2351.28	4343.67	14439809.70	1752715.93	0.48	
12196.00	89.20	126.38	7158.87	5028.04	-2406.99	4418.14	14439753.99	1752790.39	0.94	
12289.00	89.32	126.18	7160.07	5120.58	-2462.01	4493.10	14439698.97	1752865.36	0.25	
12381.00	89.38	127.06	7161.11	5212.07	-2516.89	4566.94	14439644.09	1752939.19	0.96	
12474.00	89.20	129.28	7162.27	5304.25	-2574.35	4640.04	14439586.63	1753012.30	2.39	
12567.00	89.03	129.00	7163.70	5396.22	-2633.05	4712.16	14439527.93	1753084.42	0.35	
12659.00	89.01	129.17	7165.28	5487.20	-2691.04	4783.56	14439469.94	1753155.82	0.19	
12752.00	89.26	128.17	7166.68	5579.28	-2749.14	4856.16	14439411.83	1753228.42	1.11	
12845.00	89.81	128.97	7167.44	5671.38	-2807.13	4928.87	14439353.85	1753301.13	1.04	
12938.00	89.94	129.44	7167.64	5763.34	-2865.91	5000.94	14439295.07	1753373.19	0.52	
13030.00	89.75	129.41	7167.89	5854.26	-2924.34	5072.00	14439236.64	1753444.26	0.21	
13123.00	89.75	129.97	7168.29	5946.10	-2983.73	5143.57	14439177.25	1753515.82	0.60	
13216.00	89.08	129.59	7169.24	6037.91	-3043.23	5215.03	14439117.75	1753587.29	0.83	
13308.00	89.14	130.22	7170.67	6128.70	-3102.24	5285.60	14439058.74	1753657.85	0.69	
13401.00	88.77	130.06	7172.37	6220.40	-3162.18	5356.68	14438998.79	1753728.94	0.43	
13494.00	89.20	128.55	7174.01	6312.32	-3221.08	5428.63	14438939.90	1753800.89	1.69	
13586.00	89.20	128.31	7175.30	6403.46	-3278.26	5500.69	14438882.72	1753872.95	0.26	
13679.00	89.26	129.53	7176.55	6495.48	-3336.68	5573.04	14438824.30	1753945.30	1.31	
13772.00	89.20	130.25	7177.80	6587.26	-3396.32	5644.39	14438764.66	1754016.65	0.78	
13865.00	89.94	129.24	7178.50	6679.08	-3455.78	5715.90	14438705.20	1754088.15	1.35	
13957.00	89.14	128.23	7179.24	6770.16	-3513.34	5787.66	14438647.64	1754159.91	1.40	
14050.00	88.58	128.96	7181.09	6862.24	-3571.34	5860.33	14438589.64	1754232.58	0.99	
14107.00	88.64	129.58	7182.47	6918.57	-3607.41	5904.44	14438533.57	1754276.70	1.09	Last WFT SVY
14130.00	88.64	129.58	7183.01	6941.29	-3622.06	5922.16	14438536.92	1754294.42	0.00	Proj. to TD

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