



Gladys Briggs 205H
 Marshall County, WV
 SDC 40
Plan vs Actual

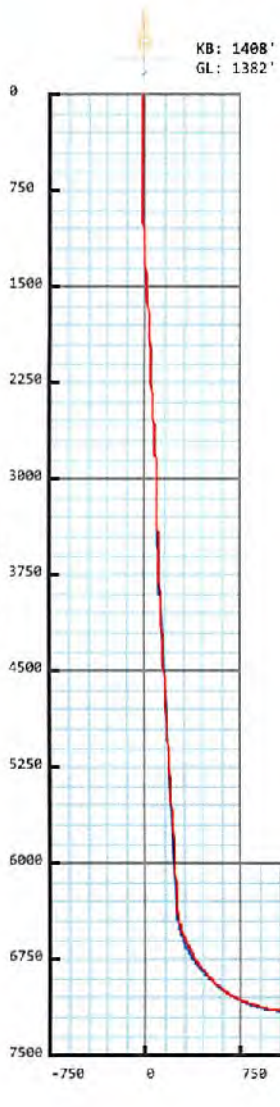
Plan Data for Gladys Briggs 205H

Plan Point Information:
 Dogleg Severity Unit: %/100.00ft
 Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)
3136.00	12.26	60.35	3124.88	162.35	107.55	100.08	0.86	355.4
3202.00	12.26	60.35	3189.38	169.28	119.73	101.08	0.00	0.0
4089.28	30.00	59.00	4013.70	331.43	393.93	129.11	2.00	357.8
6845.60	30.00	59.00	6400.75	1041.23	1575.25	260.01	0.00	0.0
7864.11	70.00	331.99	7109.91	1679.41	1567.76	839.00	7.00	262.2
8144.72	89.00	319.76	7161.00	1905.80	1413.24	1109.90	8.00	326.3
15898.25	89.00	319.76	7296.32	7823.92	-3594.23	8609.00	0.00	0.0

Target Set Information:
 Name: GLADYS BRIGGS 205H TARGETS
 Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Lat	Long
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(°)	(°)
LP 205H	7158.00	1770.46	1527.75	14443955.46	1749896.22	39.772017	-80.610366
PBHL 205H	7296.32	7823.92	-3594.23	14450008.92	1744774.24	39.788701	-80.628505



Plan Data for Gladys Briggs 205H

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

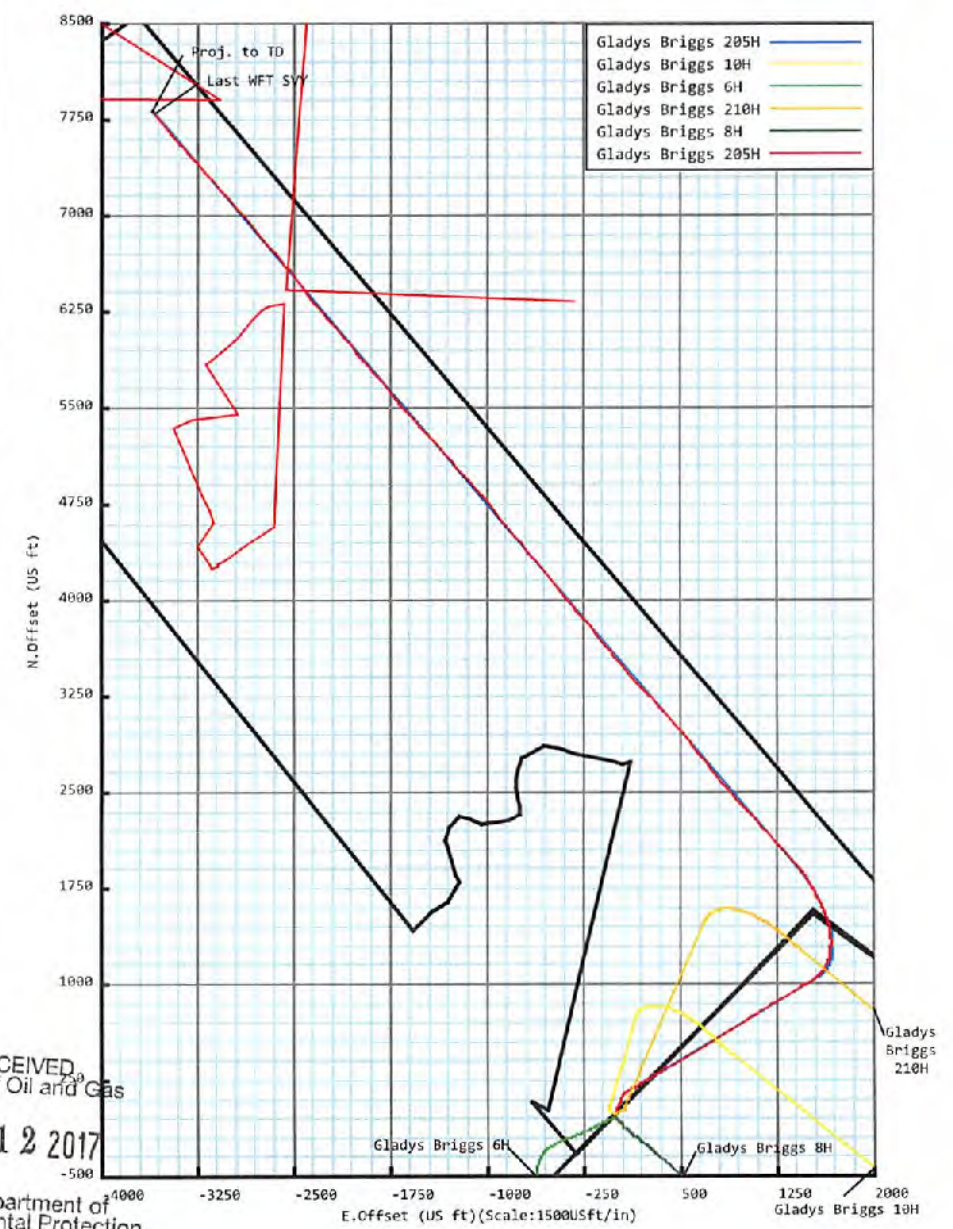
Site: Gladys Briggs Pad
 Unit: USfeet TVD Reference:
 Company Name: SOUTHWESTERN ENERGY
 Position: Northing: 14442131.72USft Latitude: 39.767027°
 Easting: 1748342.31USft Longitude: -80.615924°
 North Reference: Grid Grid Convergence: 0.25°
 Elevation Above VRD: 1382.00USft

Slot: Gladys Briggs 205H
 Position:
 Offset is from Site centre
 +N/-S: 53.28USft Northing: 14442185.00USft Latitude: 39.767173°
 +E/-W: 26.16USft Easting: 1748368.47USft Longitude: -80.615830°
 Elevation Above VRD: 1382.00USft

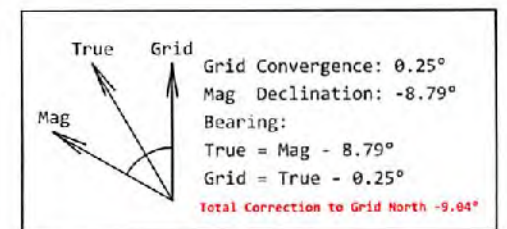
Well: Gladys Briggs 205H
 Type: Main-Well
 File Number:

Plan Folder: P2 Plan: P2:V1
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: -0.00USft Azimuth: 334.45°
 +E/-W: -0.00USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 bggm2016 52297(nT) -8.79° 66.95° 2016-12-04

Drawing By: GWR Date: 12/25/2016
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**5D Survey Report****SOUTHWESTERN ENERGY**

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

Site Name: *Gladys Briggs Pad*

Well Name: *Gladys Briggs 205H*

Survey: *Definitive survey*

5 January 2017

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Environmental Protection



Gladys Briggs 205H

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 205H	Position (Relative to Site Centre)		
	+N/-S: 53.28 US ft	Northing: 14442185.00 US ft	Latitude: 39.767173000
	+E/-W: 26.16 US ft	Easting: 1748368.47 US ft	Longitude: -80.615830100
	Elevation above MSL: 1382.00 US ft		
Comment:			
Well: Gladys Briggs 205H	Type: Main well	UWI:	RECEIVED Office of Oil and Gas JUL 12 2017 WV Department of Environmental Protection
	File Number:	Comment:	
	Closure Distance: 8592.71 US ft	Closure Azimuth: 335.26°	
	Vertical Section: Position of Origin (Relative to Slot centre)		
	+N/-S: -0.00 US ft	+E/-W: -0.00 US ft	Az: 334.45°

Drill floor: Survey Name: Definitive Survey			
Rig Height (Well TVD Reference): 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: 04/Dec/2016	Field Strength: 52297.9nT	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
MWD	0.00	816.00	Rig Surveys
NO SURV 5d	816.00	1248.00	NO SURV 5d
MWD	1248.00	2593.00	WFT MWD (01)
MWD	2593.00	6679.00	WFT MWD (02)
MWD	6679.00	15871.00	WFT MWD (03)

Wellpath created using minimum curvature.

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										Comment
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)	
0.00	0.00	0.00	0.00	0.00	-0.00	-0.00	14442185.00	1748368.47	0.00	
185.00	0.40	73.28	185.00	-0.10	0.19	0.62	14442185.18	1748369.09	0.22	
276.00	0.20	101.98	276.00	-0.24	0.24	1.08	14442185.24	1748369.55	0.27	
368.00	0.40	53.28	368.00	-0.28	0.40	1.49	14442185.40	1748369.96	0.33	
450.00	1.00	81.78	449.99	-0.44	0.68	2.43	14442185.67	1748370.90	0.82	
538.00	0.40	59.68	537.98	-0.64	0.94	3.46	14442185.94	1748371.93	0.73	
630.00	0.30	119.58	629.98	-0.81	0.98	3.94	14442185.98	1748372.41	0.39	
723.00	0.30	157.48	722.98	-1.26	0.64	4.25	14442185.63	1748372.72	0.21	
816.00	0.20	147.88	815.98	-1.66	0.28	4.43	14442185.27	1748372.90	0.12	
877.00	0.27	190.48	876.98	-1.88	0.04	4.46	14442185.04	1748372.93	0.30	
969.00	0.78	19.16	968.98	-1.61	0.42	4.62	14442185.42	1748373.10	1.14	
1062.00	2.85	21.82	1061.93	0.40	3.17	5.69	14442188.16	1748374.16	2.23	
1155.00	4.11	19.84	1154.75	4.31	8.45	7.68	14442193.44	1748376.15	1.36	
1248.00	4.88	20.86	1247.46	9.38	15.28	10.22	14442200.28	1748378.69	0.83	
1341.00	4.96	19.54	1340.12	14.94	22.76	12.98	14442207.76	1748381.45	0.15	
1433.00	3.80	17.33	1431.85	19.98	29.42	15.21	14442214.42	1748383.69	1.27	
1526.00	3.72	13.40	1524.65	24.59	35.30	16.83	14442220.30	1748385.30	0.29	
1619.00	4.29	20.88	1617.43	29.33	41.48	18.77	14442226.48	1748387.24	0.83	
1711.00	4.73	24.68	1709.14	34.13	48.15	21.58	14442233.14	1748390.05	0.58	
1804.00	4.24	22.02	1801.86	38.90	54.82	24.47	14442239.81	1748392.94	0.57	
1897.00	4.84	28.85	1894.56	43.51	61.44	27.65	14442246.44	1748396.12	0.87	
1990.00	4.24	30.85	1987.27	47.69	67.83	31.31	14442252.83	1748399.78	0.67	
2082.00	3.61	22.08	2079.06	51.53	73.43	34.14	14442258.43	1748402.61	0.94	
2175.00	3.61	12.38	2171.87	55.81	79.01	35.87	14442264.00	1748404.34	0.66	
2268.00	4.58	11.89	2264.63	61.07	85.50	37.26	14442270.50	1748405.73	1.04	
2361.00	5.36	20.08	2357.28	67.05	93.21	39.52	14442278.21	1748407.99	1.13	
2453.00	5.26	27.88	2448.89	72.57	100.98	42.97	14442285.97	1748411.44	0.79	
2546.00	4.69	26.95	2541.54	77.43	108.13	46.68	14442293.13	1748415.15	0.62	
2593.00	4.70	24.11	2588.38	79.84	111.60	48.34	14442296.60	1748416.81	0.49	
2672.00	4.95	23.07	2667.10	84.19	117.69	51.00	14442302.69	1748419.47	0.34	
2765.00	6.44	33.45	2759.64	89.53	125.74	55.44	14442310.73	1748423.92	1.94	
2858.00	8.84	47.48	2851.82	94.30	134.92	63.59	14442319.92	1748432.06	3.25	
2950.00	10.30	58.25	2942.54	97.25	144.03	75.79	14442329.02	1748444.27	2.50	
3043.00	11.46	60.65	3033.87	98.76	152.93	90.92	14442337.93	1748459.39	1.34	
3136.00	12.26	60.35	3124.88	100.08	162.35	107.55	14442347.34	1748476.02	0.86	
3229.00	13.09	56.47	3215.62	102.25	173.05	124.91	14442358.04	1748493.39	1.28	
3322.00	14.65	56.03	3305.91	105.43	185.44	143.45	14442370.43	1748511.92	1.68	
3414.00	17.02	58.49	3394.41	108.54	198.98	164.58	14442383.97	1748533.05	2.68	
3507.00	19.30	59.44	3482.77	111.29	213.91	189.42	14442398.90	1748557.89	2.47	
3600.00	21.63	61.09	3569.90	113.64	230.01	217.66	14442415.01	1748586.13	2.58	
3692.00	23.84	60.60	3654.74	115.88	247.34	248.71	14442432.33	1748617.18	2.41	
3785.00	25.06	59.12	3739.40	118.97	266.67	281.99	14442451.67	1748650.46	1.47	
3878.00	26.32	58.11	3823.21	123.08	287.67	316.40	14442472.67	1748684.87	1.43	
3971.00	27.20	60.17	3906.25	126.94	309.14	352.34	14442494.14	1748720.81	1.37	
4063.00	27.45	59.80	3987.98	130.23	330.27	388.91	14442515.26	1748757.38	0.33	
4156.00	28.33	59.78	4070.18	133.77	352.15	426.50	14442537.15	1748794.98	0.95	
4249.00	29.28	59.06	4151.67	137.70	374.95	465.08	14442559.95	1748833.55	1.09	
4341.00	28.88	58.40	4232.07	142.15	398.16	503.30	14442583.16	1748871.77	0.56	
4434.00	28.67	59.38	4313.59	146.49	421.29	541.63	14442606.29	1748910.10	0.56	
4527.00	29.62	59.88	4394.82	150.30	444.19	580.70	14442629.19	1748949.18	1.05	
4619.00	30.23	59.78	4474.55	153.99	467.26	620.38	14442652.25	1748986.85	0.67	
4712.00	30.00	59.64	4555.00	157.85	490.79	660.67	14442675.79	1749029.15	0.26	
4805.00	29.94	58.91	4635.56	162.04	514.53	700.61	14442699.52	1749069.08	0.40	
4898.00	30.04	59.32	4716.11	166.36	538.39	740.50	14442723.38	1749108.98	0.25	
4990.00	30.65	59.37	4795.51	170.50	562.09	780.49	14442747.08	1749148.96	0.66	
5083.00	31.32	58.16	4875.23	175.24	586.92	821.42	14442771.91	1749189.89	0.98	
5176.00	31.94	57.47	4954.42	180.88	612.90	862.70	14442797.89	1749231.17	0.77	
5269.00	30.16	57.12	5034.09	186.85	638.81	903.06	14442823.81	1749271.53	1.92	
5361.00	29.66	58.68	5113.84	192.09	663.19	941.92	14442848.19	1749310.39	1.01	

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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
5454.00	30.04	59.27	5194.50	196.50	687.05	981.58	14442872.04	1749350.05	0.52	
5547.00	29.42	57.71	5275.26	201.29	711.14	1020.90	14442896.14	1749389.37	1.07	
5640.00	29.47	57.53	5356.25	206.72	735.63	1059.51	14442920.62	1749427.98	0.11	
5732.00	29.69	58.60	5436.26	211.77	759.65	1098.05	14442944.64	1749466.52	0.62	
5825.00	30.66	59.40	5516.65	216.21	783.72	1138.12	14442968.71	1749506.59	1.13	
5918.00	30.50	57.95	5596.72	220.97	808.31	1178.54	14442993.31	1749547.01	0.81	
6011.00	30.20	58.34	5676.98	226.13	833.11	1218.45	14443018.11	1749586.92	0.39	
6103.00	29.82	58.33	5756.64	231.03	857.27	1257.61	14443042.26	1749626.08	0.41	
6196.00	29.43	60.40	5837.49	235.11	880.70	1297.16	14443065.69	1749665.63	1.18	
6289.00	29.41	60.81	5918.49	238.17	903.12	1336.96	14443088.11	1749705.43	0.22	
6382.00	29.62	59.92	5999.43	241.44	925.77	1376.78	14443110.77	1749745.25	0.52	
6474.00	30.05	57.47	6079.23	246.03	949.56	1415.88	14443134.55	1749784.35	1.40	
6567.00	28.90	58.35	6160.20	251.25	973.87	1454.64	14443158.87	1749823.11	1.32	
6660.00	29.59	58.99	6241.34	255.82	997.49	1493.45	14443182.49	1749861.92	0.81	
6679.00	29.43	59.03	6257.88	256.71	1002.31	1501.48	14443187.31	1749869.95	0.85	
6725.00	29.41	58.16	6297.95	259.01	1014.08	1520.76	14443199.08	1749889.23	0.93	
6771.00	30.24	58.28	6337.85	261.50	1026.13	1540.21	14443211.13	1749908.68	1.81	
6817.00	29.51	57.40	6377.74	264.13	1038.33	1559.61	14443223.32	1749928.08	1.85	
6864.00	29.10	51.25	6418.73	268.16	1051.72	1578.28	14443236.72	1749946.75	6.46	
6910.00	30.20	44.29	6458.72	274.71	1067.01	1595.08	14443252.01	1749963.56	7.85	
6956.00	31.84	37.76	6498.15	284.15	1084.89	1610.60	14443269.89	1749979.07	8.13	
7003.00	32.92	32.32	6537.85	296.51	1105.49	1625.02	14443290.48	1749993.49	6.61	
7049.00	32.77	25.20	6576.52	311.04	1127.32	1637.01	14443312.32	1750005.48	8.40	
7096.00	33.63	19.92	6615.85	328.22	1151.08	1646.86	14443336.07	1750015.33	6.42	
7142.00	33.98	16.07	6654.08	346.77	1175.41	1654.76	14443360.40	1750023.23	4.72	
7188.00	34.45	11.85	6692.12	366.71	1200.50	1660.99	14443385.49	1750029.46	5.26	
7235.00	35.33	8.64	6730.68	388.52	1226.94	1665.77	14443411.94	1750034.24	4.33	
7281.00	35.69	6.41	6767.89	411.18	1253.75	1669.30	14443438.75	1750037.77	4.11	
7327.00	38.90	4.05	6804.24	435.40	1281.82	1671.85	14443466.82	1750040.32	5.74	
7374.00	41.24	0.73	6840.21	462.13	1312.04	1673.09	14443497.04	1750041.56	6.74	
7420.00	43.91	355.75	6874.08	490.50	1343.14	1672.38	14443528.13	1750040.85	8.24	
7467.00	46.56	354.06	6907.18	521.66	1376.39	1669.69	14443561.39	1750038.16	6.95	
7513.00	48.31	350.99	6938.30	553.86	1409.97	1665.27	14443594.97	1750033.74	6.21	
7559.00	51.06	347.19	6968.06	587.79	1444.39	1658.61	14443629.39	1750027.08	8.68	
7606.00	54.13	343.90	6996.62	624.41	1480.53	1649.28	14443665.52	1750017.75	8.58	
7652.00	57.23	341.03	7022.55	662.03	1516.74	1637.82	14443701.73	1750006.29	8.48	
7698.00	61.42	338.11	7046.02	701.42	1553.79	1623.99	14443738.79	1749992.46	10.62	
7745.00	65.25	335.52	7067.11	743.37	1592.38	1607.44	14443777.38	1749975.92	9.52	
7791.00	68.19	334.12	7085.29	785.62	1630.61	1589.46	14443815.61	1749957.94	6.98	
7838.00	70.27	332.83	7101.96	829.56	1669.93	1569.84	14443854.92	1749938.31	5.12	
7884.00	72.77	332.00	7116.54	873.15	1708.59	1549.63	14443893.59	1749918.11	5.70	
7930.00	75.91	330.38	7128.95	917.37	1747.39	1528.29	14443932.39	1749896.76	7.62	
7977.00	78.00	328.26	7139.56	962.96	1786.77	1504.93	14443971.76	1749873.40	6.25	
8023.00	80.59	326.14	7148.11	1007.79	1824.75	1480.44	14444009.75	1749848.91	7.23	
8069.00	84.06	323.00	7154.25	1052.69	1861.88	1454.02	14444046.88	1749822.49	10.13	
8116.00	87.78	319.31	7157.59	1098.30	1898.38	1424.62	14444083.38	1749793.09	11.13	
8208.00	89.26	318.21	7159.97	1186.84	1967.54	1364.00	14444152.53	1749732.47	2.00	
8301.00	89.75	318.70	7160.77	1276.23	2037.14	1302.32	14444222.13	1749670.79	0.75	
8394.00	89.88	317.89	7161.07	1365.56	2106.57	1240.45	14444291.56	1749608.92	0.88	
8487.00	89.69	317.20	7161.42	1454.54	2175.18	1177.67	14444360.18	1749546.14	0.77	
8579.00	89.08	318.70	7162.41	1542.74	2243.49	1116.06	14444428.49	1749484.53	1.76	
8672.00	89.07	319.71	7163.91	1632.46	2313.89	1055.31	14444498.88	1749423.78	1.09	
8765.00	89.20	317.50	7165.32	1721.91	2383.64	993.82	14444568.64	1749362.29	2.38	
8858.00	89.20	316.80	7166.61	1810.69	2451.82	930.58	14444638.81	1749299.05	0.75	
8950.00	88.89	316.38	7168.15	1898.25	2518.64	867.36	14444703.64	1749235.84	0.57	
9043.00	89.20	320.50	7169.70	1987.61	2588.20	805.69	14444773.20	1749174.16	4.44	
9136.00	89.32	322.33	7170.90	2078.20	2660.89	747.70	14444845.89	1749116.17	1.97	
9229.00	89.20	322.51	7172.10	2169.15	2734.59	690.98	14444919.58	1749059.45	0.23	
9321.00	89.14	323.50	7173.43	2259.31	2808.06	635.63	14444993.05	1749004.10	1.08	

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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
9414.00	88.77	322.44	7175.13	2350.43	2882.29	579.63	14445067.28	1748948.10	1.21	
9507.00	88.95	320.52	7176.98	2441.04	2955.03	521.73	14445140.03	1748890.20	2.07	
9599.00	89.01	319.63	7178.62	2530.14	3025.57	462.69	14445210.57	1748831.16	0.97	
9692.00	89.01	319.03	7180.22	2619.91	3096.10	402.09	14445281.10	1748770.56	0.65	
9785.00	89.01	318.53	7181.83	2709.44	3166.04	340.82	14445351.04	1748709.29	0.54	
9878.00	89.14	317.32	7183.33	2798.59	3235.07	278.51	14445420.06	1748646.98	1.31	
9970.00	89.38	317.82	7184.52	2886.61	3302.96	216.44	14445487.96	1748584.92	0.60	
10063.00	89.26	318.72	7185.62	2975.92	3372.36	154.55	14445557.36	1748523.02	0.98	
10156.00	89.47	318.52	7186.66	3065.39	3442.14	93.07	14445627.14	1748461.54	0.31	
10249.00	89.82	319.05	7187.23	3154.93	3512.10	31.80	14445697.09	1748400.27	0.68	
10341.00	89.69	320.14	7187.63	3243.86	3582.15	-27.83	14445767.15	1748340.64	1.19	
10434.00	89.94	321.58	7187.93	3334.25	3654.28	-85.54	14445839.28	1748281.94	1.57	
10527.00	89.81	321.22	7188.13	3424.85	3726.96	-144.56	14445911.96	1748223.91	0.41	
10620.00	89.74	321.52	7188.49	3515.43	3799.61	-202.62	14445984.61	1748165.86	0.33	
10712.00	89.63	320.92	7189.00	3604.99	3871.33	-260.24	14446056.33	1748108.24	0.66	
10805.00	89.57	319.42	7189.65	3695.11	3942.75	-319.80	14446127.74	1748048.67	1.61	
10898.00	89.69	319.28	7190.25	3784.90	4013.30	-380.38	14446198.30	1747988.09	0.20	
10991.00	89.63	319.70	7190.80	3874.75	4084.01	-440.79	14446269.01	1747927.68	0.46	
11083.00	89.81	320.41	7191.25	3963.86	4154.54	-499.86	14446339.54	1747868.61	0.80	
11176.00	89.81	320.78	7191.56	4054.15	4226.40	-558.90	14446411.40	1747809.58	0.40	
11269.00	89.69	320.71	7191.96	4144.50	4298.41	-617.74	14446483.41	1747750.73	0.15	
11361.00	89.51	321.09	7192.61	4233.94	4369.81	-675.76	14446554.80	1747692.71	0.46	
11454.00	89.63	321.13	7193.31	4324.43	4442.19	-734.15	14446627.19	1747634.32	0.14	
11547.00	89.69	321.76	7193.86	4415.04	4514.92	-792.11	14446699.91	1747576.36	0.68	
11639.00	89.82	321.91	7194.25	4504.82	4587.25	-848.96	14446772.25	1747519.51	0.22	
11732.00	89.69	319.91	7194.65	4595.23	4659.43	-907.60	14446844.42	1747460.87	2.16	
11825.00	89.88	319.96	7195.00	4685.26	4730.60	-967.46	14446915.60	1747401.01	0.21	
11918.00	89.94	319.44	7195.14	4775.19	4801.53	-1027.61	14446986.53	1747340.86	0.56	
12011.00	90.00	319.05	7195.19	4864.94	4871.98	-1088.32	14447056.97	1747280.15	0.42	
12103.00	89.63	318.95	7195.49	4953.61	4941.41	-1148.68	14447126.41	1747219.79	0.42	
12196.00	89.51	318.39	7196.19	5043.10	5011.24	-1210.09	14447196.24	1747158.38	0.62	
12289.00	91.73	319.58	7195.18	5132.72	5081.41	-1271.12	14447266.40	1747097.35	2.71	
12381.00	91.29	318.66	7192.76	5221.42	5150.94	-1331.31	14447335.94	1747037.16	1.11	
12474.00	91.54	318.20	7190.46	5310.78	5220.50	-1393.00	14447405.49	1746975.47	0.56	
12567.00	91.67	317.54	7187.85	5399.88	5289.44	-1455.36	14447474.44	1746913.11	0.72	
12659.00	91.42	316.80	7185.37	5487.69	5356.89	-1517.88	14447541.88	1746850.59	0.85	
12752.00	91.61	316.44	7182.92	5576.19	5424.46	-1581.73	14447609.45	1746786.74	0.44	
12845.00	91.54	318.57	7180.36	5665.12	5493.00	-1644.53	14447677.99	1746723.94	2.29	
12938.00	90.80	320.55	7178.46	5754.97	5563.76	-1704.84	14447748.76	1746663.63	2.27	
13030.00	90.93	320.10	7177.07	5844.18	5634.56	-1763.57	14447819.56	1746604.91	0.51	
13123.00	90.80	319.83	7175.67	5934.21	5705.76	-1823.38	14447890.76	1746545.09	0.32	
13216.00	90.92	319.11	7174.27	6024.04	5776.44	-1883.81	14447961.43	1746484.65	0.78	
13308.00	91.11	319.63	7172.64	6112.86	5846.25	-1943.71	14448031.24	1746424.76	0.60	
13401.00	91.17	320.89	7170.79	6203.00	5917.75	-2003.15	14448102.74	1746365.32	1.36	
13494.00	90.99	320.27	7169.04	6293.27	5989.58	-2062.19	14448174.57	1746306.28	0.69	
13586.00	90.86	320.41	7167.55	6382.49	6060.39	-2120.90	14448245.39	1746247.57	0.21	
13679.00	91.11	319.90	7165.95	6472.59	6131.79	-2180.48	14448316.78	1746187.99	0.61	
13772.00	90.97	318.34	7164.27	6562.27	6202.09	-2241.34	14448387.08	1746127.14	1.68	
13865.00	90.86	318.66	7162.78	6651.67	6271.73	-2302.95	14448456.73	1746065.52	0.36	
13957.00	90.93	320.05	7161.34	6740.49	6341.53	-2362.87	14448526.52	1746005.60	1.51	
14050.00	91.42	323.23	7159.44	6831.14	6414.43	-2420.57	14448599.42	1745947.91	3.46	
14143.00	91.42	323.39	7157.13	6922.36	6488.98	-2476.11	14448673.97	1745892.36	0.17	
14236.00	91.50	323.99	7154.76	7013.69	6563.89	-2531.17	14448748.89	1745837.31	0.65	
14328.00	90.68	320.73	7153.01	7103.62	6636.72	-2587.33	14448821.72	1745781.14	3.65	
14421.00	90.37	319.50	7152.16	7193.72	6708.08	-2646.97	14448893.08	1745721.51	1.36	
14514.00	90.86	319.55	7151.16	7283.58	6778.82	-2707.33	14448963.82	1745661.14	0.53	
14607.00	90.74	319.51	7149.86	7373.44	6849.56	-2767.69	14449034.56	1745600.79	0.14	
14699.00	90.37	319.04	7148.97	7462.22	6919.28	-2827.71	14449104.28	1745540.77	0.65	
14792.00	90.31	318.67	7148.42	7551.80	6989.31	-2888.90	14449174.31	1745479.58	0.40	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)										
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14885.00	90.49	318.88	7147.77	7641.34	7059.26	-2950.18	14449244.25	1745418.29	0.30	
14978.00	90.49	319.25	7146.97	7731.00	7129.51	-3011.11	14449314.51	1745357.36	0.40	
15070.00	90.31	318.22	7146.33	7819.56	7198.66	-3071.79	14449383.66	1745296.68	1.14	
15163.00	90.43	318.55	7145.73	7908.93	7268.19	-3133.55	14449453.19	1745234.92	0.38	
15256.00	90.00	318.43	7145.38	7998.34	7337.83	-3195.19	14449522.83	1745173.28	0.48	
15349.00	90.19	318.52	7145.23	8087.75	7407.46	-3256.84	14449592.45	1745111.63	0.23	
15441.00	90.25	317.61	7144.88	8176.01	7475.90	-3318.32	14449660.89	1745050.15	0.99	
15534.00	90.80	318.71	7144.02	8265.27	7545.18	-3380.35	14449730.17	1744988.12	1.32	
15626.00	91.11	320.66	7142.49	8354.22	7615.31	-3439.87	14449800.31	1744928.61	2.15	
15719.00	91.05	320.83	7140.74	8444.55	7687.31	-3498.70	14449872.31	1744869.77	0.19	
15812.00	90.93	320.02	7139.13	8534.77	7758.99	-3557.94	14449943.98	1744810.53	0.88	
15848.00	91.05	319.77	7138.51	8569.61	7786.52	-3581.13	14449971.51	1744787.34	0.77	Last WFT SVY
15871.00	91.05	319.77	7138.09	8591.85	7804.07	-3595.98	14449989.07	1744772.49	0.00	Proj. to TD

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