

Weatherford International Ltd.

DIRECTIONAL REPORT

Company: CHESAPEAKE	Date: 4/29/2013	Time: 14:11:05	Page: 1
Field: MARSHALL COUNTY (NAD 27)	Co-ordinate(NE) Reference: Well: 206H; Grid: North		
Site: FORK RIDGE PAD	Vertical (TVD) Reference: SITE 1413.0		
Well: 206H	Section (VS) Reference: Well (0.00N,0.00E,171.34Azi)		
Wellpath: HORIZONTAL	Survey Calculation Method: Minimum Curvature		
			Db: Sybase

Plan:	Date Composed:
Principal:	Version:
	Tied-to:

Field: MARSHALL COUNTY (NAD 27)

Map System: JS State Plane Coordinate System 1927	Map Zone: West Virginia, Northern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: FORK RIDGE PAD

Site Position:	Northing:	501556.11 ft	Latitude:	39 52 17.357 N
From: Map	Easting:	1680438.31 ft	Longitude:	80 38 18.794 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	1391.00 ft		Grid Convergence:	-0.73 deg

Well: 206H

Well Position:	+N/-S	-32.51 ft	Northing:	501523.60 ft	Latitude:	39 52 17.034 N
	+E/-W	-11.51 ft	Easting:	1680426.80 ft	Longitude:	80 38 18.937 W
Position Uncertainty:	0.00 ft					

Wellpath: HORIZONTAL	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 1/23/2013	Above System Datum: Mean Sea Level		
Field Strength: 52752 nT	Declination: -8.66 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 67.38 deg		
ft	+N/-S	+E/-W	Direction
ft	ft	ft	deg
0.00	0.00	0.00	171.34

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Annotation
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
735.00	0.51	61.27	734.99	1.36	3.33	-0.84	0.00	501524.96	1680430.13	LAST GYRO SVY FIRST MWD SVY
831.00	0.66	79.83	830.98	1.66	4.25	-1.00	0.25	501525.26	1680431.05	
925.00	2.39	182.64	924.96	-0.20	4.69	0.91	2.78	501523.40	1680431.49	
1019.00	5.23	194.67	1018.74	-6.30	3.52	6.76	3.12	501517.30	1680430.32	
1112.00	7.73	196.53	1111.14	-16.40	0.66	16.32	2.70	501507.20	1680427.46	
1207.00	8.90	199.21	1205.14	-29.47	-3.57	28.59	1.30	501494.13	1680423.23	
1301.00	9.01	198.91	1297.99	-43.30	-8.35	41.55	0.13	501480.30	1680418.45	
1396.00	9.10	197.40	1391.81	-57.50	-13.01	54.89	0.27	501466.10	1680413.79	
1491.00	8.28	191.41	1485.72	-71.38	-16.61	68.06	1.28	501452.22	1680410.19	
1585.00	7.80	190.68	1578.80	-84.28	-19.13	80.44	0.52	501439.32	1680407.67	
1680.00	8.33	191.66	1672.86	-97.36	-21.71	92.98	0.58	501426.24	1680405.09	
1775.00	8.17	190.80	1766.87	-110.73	-24.37	105.79	0.21	501412.87	1680402.43	
1869.00	5.67	188.83	1860.18	-121.88	-26.33	116.52	2.67	501401.72	1680400.47	
1963.00	3.64	197.03	1953.87	-129.32	-27.92	123.64	2.27	501394.28	1680398.88	
2057.00	3.87	198.25	2047.67	-135.19	-29.79	129.16	0.26	501388.41	1680397.01	
2152.00	4.74	198.58	2142.40	-141.95	-32.04	135.51	0.92	501381.65	1680394.76	
2245.00	3.71	196.36	2235.14	-148.48	-34.12	141.65	1.12	501375.12	1680392.68	
2340.00	1.50	192.95	2330.04	-152.64	-35.26	145.59	2.33	501370.96	1680391.54	
2391.00	0.62	198.84	2381.03	-153.55	-35.50	146.46	1.74	501370.05	1680391.00	
2577.00	0.19	220.50	2567.02	-154.74	-36.02	147.55	0.24	501368.86	1680390.76	

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Well: 206H	Section (VS) Reference: Well (0.00N,0.00E,171.34Azi)		
Wellpath: HORIZONTAL	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Annotation
2670.00	0.20	223.01	2660.02	-154.98	-36.23	147.75	0.01	501368.62	1680390.57	
2764.00	0.08	230.31	2754.02	-155.14	-36.40	147.89	0.13	501368.46	1680390.40	
2860.00	0.07	313.42	2850.02	-155.14	-36.49	147.88	0.10	501368.46	1680390.31	
2954.00	0.27	327.53	2944.02	-154.91	-36.65	147.63	0.22	501368.69	1680390.15	
3049.00	0.33	303.45	3039.02	-154.57	-37.00	147.24	0.15	501369.03	1680389.80	
3144.00	0.27	300.78	3134.02	-154.31	-37.42	146.92	0.06	501369.29	1680389.38	
3239.00	0.21	308.78	3229.02	-154.09	-37.75	146.64	0.07	501369.51	1680389.05	
3333.00	0.28	298.26	3323.02	-153.87	-38.09	146.38	0.09	501369.73	1680388.71	
3427.00	0.43	281.40	3417.02	-153.69	-38.63	146.12	0.19	501369.91	1680388.17	
3521.00	0.31	268.10	3511.02	-153.63	-39.23	145.97	0.16	501369.97	1680387.57	
3616.00	0.32	272.78	3606.01	-153.62	-39.76	145.89	0.03	501369.98	1680387.04	
3712.00	0.36	251.99	3702.01	-153.70	-40.31	145.88	0.13	501369.90	1680386.49	
3806.00	0.28	262.03	3796.01	-153.83	-40.82	145.93	0.10	501369.77	1680385.98	
3901.00	0.16	273.69	3891.01	-153.85	-41.18	145.90	0.13	501369.75	1680385.62	
3995.00	0.22	270.21	3985.01	-153.84	-41.49	145.84	0.06	501369.76	1680385.31	
4089.00	0.36	293.39	4079.01	-153.72	-41.94	145.66	0.19	501369.88	1680384.86	
4184.00	0.35	269.66	4174.01	-153.61	-42.51	145.46	0.15	501369.99	1680384.29	
4278.00	0.28	267.40	4268.00	-153.62	-43.02	145.39	0.08	501369.98	1680383.78	
4373.00	0.17	211.86	4363.00	-153.75	-43.33	145.47	0.24	501369.85	1680383.47	
4468.00	0.23	146.09	4458.00	-154.03	-43.30	145.75	0.23	501369.57	1680383.50	
4562.00	0.42	128.01	4552.00	-154.40	-42.92	146.17	0.23	501369.20	1680383.88	
4657.00	0.40	125.42	4647.00	-154.80	-42.38	146.66	0.03	501368.80	1680384.42	
4752.00	0.31	127.12	4742.00	-155.15	-41.90	147.07	0.10	501368.45	1680384.90	
4846.00	0.53	128.33	4836.00	-155.57	-41.36	147.57	0.23	501368.03	1680385.44	
4942.00	0.25	243.77	4931.99	-155.94	-41.20	147.96	0.70	501367.66	1680385.60	
5036.00	0.49	292.72	5025.99	-155.88	-41.75	147.81	0.40	501367.72	1680385.05	
5131.00	0.42	304.33	5120.99	-155.52	-42.41	147.36	0.12	501368.08	1680384.39	
5223.00	0.39	287.96	5212.99	-155.24	-42.99	146.99	0.13	501368.36	1680383.81	
5317.00	0.38	295.31	5306.98	-155.01	-43.58	146.68	0.05	501368.59	1680383.22	
5412.00	0.35	281.44	5401.98	-154.81	-44.15	146.40	0.10	501368.79	1680382.65	
5506.00	0.33	273.09	5495.98	-154.74	-44.70	146.25	0.06	501368.86	1680382.10	
5599.00	0.34	266.93	5558.98	-154.74	-45.07	146.19	0.06	501368.86	1680381.73	
5636.00	0.41	260.97	5625.98	-154.79	-45.50	146.17	0.12	501368.81	1680381.30	
5730.00	0.89	290.71	5719.97	-154.58	-46.52	145.82	0.61	501369.02	1680380.28	
5793.00	0.97	315.36	5782.96	-154.03	-47.35	145.15	0.64	501369.57	1680379.45	
5825.00	1.06	310.17	5814.96	-153.65	-47.77	144.70	0.40	501369.95	1680379.03	
5856.00	1.96	267.57	5845.95	-153.49	-48.51	144.43	4.45	501370.11	1680378.29	
5888.00	4.39	249.19	5877.90	-153.94	-50.21	144.63	8.14	501369.66	1680376.59	
5919.00	7.63	246.43	5908.72	-155.19	-53.20	145.41	10.49	501368.41	1680373.60	
5951.00	10.61	247.84	5940.32	-157.15	-57.88	146.64	9.34	501366.45	1680368.92	
5982.00	13.41	252.48	5970.64	-159.31	-63.95	147.86	9.55	501364.29	1680362.85	
6014.00	15.79	255.42	6001.60	-161.52	-71.70	148.88	7.79	501362.08	1680355.10	
6046.00	17.95	256.11	6032.22	-163.80	-80.71	149.78	6.78	501359.80	1680346.09	
6077.00	20.50	257.00	6061.49	-166.17	-90.63	150.63	8.28	501357.43	1680336.17	
6109.00	23.16	258.57	6091.19	-168.68	-102.26	151.36	8.51	501354.92	1680324.54	
6140.00	25.97	260.49	6119.38	-171.01	-114.94	151.75	9.42	501352.59	1680311.86	
6172.00	28.71	261.44	6147.81	-173.31	-129.45	151.84	8.67	501350.29	1680297.35	
6203.00	30.84	261.43	6174.71	-175.60	-144.67	151.82	6.87	501348.00	1680282.13	
6234.00	33.12	260.33	6201.01	-178.21	-160.88	151.96	7.59	501345.39	1680265.92	
6265.00	36.32	259.26	6226.48	-181.35	-178.25	152.44	10.51	501342.25	1680248.55	
6296.00	39.73	259.59	6250.90	-184.85	-197.02	153.07	11.02	501338.75	1680229.78	
6327.00	43.20	260.29	6274.13	-188.43	-217.23	153.57	11.29	501335.17	1680209.57	

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MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Annotation
6357.00	46.37	261.88	6295.42	-191.69	-238.11	153.66	11.21	501331.91	1680188.69	
6387.00	49.61	263.10	6315.49	-194.60	-260.20	153.20	11.21	501329.00	1680166.60	
6418.00	52.55	263.17	6334.97	-197.48	-284.15	152.45	9.49	501326.12	1680142.65	
6449.00	55.07	262.96	6353.27	-200.50	-308.98	151.70	8.15	501323.10	1680117.82	
6480.00	57.88	262.06	6370.39	-203.88	-334.60	151.17	9.38	501319.72	1680092.20	
6511.00	60.63	260.78	6386.24	-207.86	-360.94	151.14	9.55	501315.74	1680065.86	
6542.00	62.38	259.37	6401.03	-212.55	-387.77	151.74	6.92	501311.05	1680039.03	
6574.00	62.75	258.92	6415.77	-217.90	-415.67	152.83	1.70	501305.70	1680011.13	
6605.00	62.85	258.70	6429.94	-223.25	-442.71	154.05	0.71	501300.35	1679984.09	
6637.00	62.93	258.42	6444.52	-228.90	-470.63	155.43	0.82	501294.70	1679956.17	
6668.00	62.83	258.26	6458.65	-234.48	-497.66	156.87	0.56	501289.12	1679929.14	
6700.00	63.51	259.50	6473.10	-239.98	-525.67	158.10	4.06	501283.62	1679901.13	
6731.00	64.16	259.94	6486.77	-244.95	-553.05	158.88	2.45	501278.65	1679873.75	
6763.00	64.44	259.65	6500.64	-250.06	-581.43	159.66	1.20	501273.54	1679845.37	
6794.00	64.67	259.72	6513.96	-255.07	-608.97	160.47	0.77	501268.53	1679817.83	
6826.00	64.96	259.31	6527.58	-260.34	-637.44	161.39	1.47	501263.26	1679789.36	
6857.00	65.25	259.55	6540.63	-265.50	-665.09	162.33	1.17	501258.10	1679761.71	
6888.00	65.39	257.67	6553.58	-271.06	-692.70	163.67	5.53	501252.54	1679734.10	
6919.00	64.40	254.13	6566.73	-277.90	-719.92	166.33	10.82	501245.70	1679706.88	
6951.00	64.18	249.62	6580.62	-286.86	-747.31	171.07	12.72	501236.74	1679679.49	
6982.00	64.69	244.89	6594.00	-297.67	-773.09	177.87	13.86	501225.93	1679653.71	
7013.00	65.61	240.47	6607.04	-310.58	-798.07	186.87	13.27	501213.02	1679628.73	
7045.00	65.84	236.84	6620.19	-325.75	-822.98	198.12	10.37	501197.85	1679603.82	
7076.00	65.39	233.76	6633.00	-341.82	-846.19	210.51	9.16	501181.78	1679580.61	
7108.00	65.40	232.61	6646.32	-359.26	-869.48	224.24	3.27	501164.34	1679557.32	
7139.00	66.05	230.80	6659.07	-376.77	-891.66	238.22	5.72	501146.83	1679535.14	
7171.00	66.73	227.57	6671.88	-395.93	-913.84	253.82	9.49	501127.67	1679512.96	
7202.00	67.88	224.30	6683.85	-415.82	-934.39	270.39	10.41	501107.78	1679492.41	
7234.00	69.82	221.24	6695.40	-437.73	-954.64	289.00	10.78	501085.87	1679472.16	
7265.00	71.55	218.38	6705.65	-460.20	-973.37	308.39	10.34	501063.40	1679453.43	
7296.00	72.76	214.90	6715.15	-483.87	-990.97	329.15	11.38	501039.73	1679435.83	
7328.00	73.23	211.89	6724.51	-509.42	-1007.81	351.86	9.11	501014.18	1679418.99	
7359.00	73.24	209.01	6733.46	-535.00	-1022.85	374.89	8.90	500988.60	1679403.95	
7391.00	72.95	206.53	6742.76	-562.09	-1037.12	399.53	7.47	500961.51	1679389.68	
7422.00	73.36	205.60	6751.75	-588.74	-1050.15	423.91	3.16	500934.86	1679376.65	
7454.00	74.57	202.72	6760.59	-616.80	-1062.74	449.75	9.44	500906.80	1679364.06	
7485.00	76.64	199.76	6768.30	-644.79	-1073.61	475.78	11.41	500878.81	1679353.19	
7517.00	78.31	196.80	6775.24	-674.44	-1083.40	503.63	10.43	500849.16	1679343.40	
7548.00	79.66	193.48	6781.16	-703.81	-1091.35	531.46	11.38	500819.79	1679335.45	
7579.00	80.33	190.25	6786.55	-733.68	-1097.62	560.05	10.49	500789.92	1679329.18	
7611.00	80.12	186.65	6791.98	-764.87	-1102.26	590.18	11.11	500758.73	1679324.54	
7642.00	80.94	183.29	6797.08	-795.33	-1104.90	619.90	11.01	500728.27	1679321.90	
7674.00	81.73	180.93	6801.91	-826.94	-1106.07	650.97	7.70	500696.66	1679320.73	
7705.00	83.14	177.73	6805.99	-857.66	-1105.71	681.40	11.20	500665.94	1679321.09	
7737.00	85.10	174.89	6809.27	-889.42	-1103.66	713.11	10.74	500634.18	1679323.14	
7769.00	86.66	172.00	6811.57	-921.13	-1100.01	745.00	10.24	500602.47	1679326.79	
7800.00	87.36	170.50	6813.18	-951.73	-1095.30	775.95	5.33	500571.87	1679331.50	
7894.00	89.44	169.85	6815.81	-1044.31	-1079.27	869.89	2.32	500479.29	1679347.53	
7989.00	89.32	171.20	6816.84	-1138.00	-1063.63	964.88	1.43	500385.60	1679363.17	
8084.00	89.13	170.35	6818.12	-1231.76	-1048.41	1059.86	0.92	500291.84	1679378.39	
8179.00	89.67	171.36	6819.12	-1325.55	-1033.31	1154.85	1.21	500198.05	1679393.49	
8273.00	90.09	172.27	6819.31	-1418.59	-1019.93	1248.85	1.07	500105.01	1679406.87	
8368.00	90.23	171.80	6819.05	-1512.67	-1006.76	1343.84	0.52	500010.93	1679420.04	

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Wellpath: HORIZONTAL	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Annotation
8462.00	89.53	170.22	6819.24	-1605.51	-992.07	1437.83	1.84	499918.09	1679434.73	
8556.00	89.00	169.79	6820.45	-1698.08	-975.76	1531.80	0.73	499825.52	1679451.04	
8651.00	89.88	169.57	6821.38	-1791.54	-958.74	1626.75	0.95	499732.06	1679468.06	
8745.00	90.38	169.07	6821.17	-1883.91	-941.32	1720.69	0.75	499639.69	1679485.48	
8840.00	89.00	170.07	6821.68	-1977.33	-924.13	1815.64	1.79	499546.27	1679502.67	
8934.00	89.25	172.57	6823.12	-2070.24	-909.94	1909.63	2.67	499453.36	1679516.86	
9028.00	89.88	174.07	6823.83	-2163.59	-899.01	2003.56	1.73	499360.01	1679527.79	
9123.00	89.00	173.57	6824.76	-2258.04	-888.78	2098.47	1.07	499265.56	1679538.02	
9216.00	89.50	174.57	6825.97	-2350.53	-879.17	2191.35	1.20	499173.07	1679547.63	
9311.00	89.88	173.57	6826.49	-2445.02	-869.36	2286.24	1.13	499078.58	1679557.44	
9406.00	88.88	171.57	6827.52	-2539.21	-857.08	2381.21	2.35	498984.39	1679569.72	
9500.00	88.88	171.07	6829.35	-2632.12	-842.89	2475.19	0.53	498891.48	1679583.91	
9595.00	89.88	172.07	6830.38	-2726.08	-828.97	2570.18	1.49	498797.52	1679597.83	
9687.00	87.38	170.07	6832.58	-2816.93	-814.69	2662.14	3.48	498706.67	1679612.11	
9781.00	88.00	170.57	6836.37	-2909.51	-798.90	2756.05	0.85	498614.09	1679627.90	
9876.00	88.13	170.57	6839.58	-3003.18	-783.34	2850.99	0.14	498520.42	1679643.46	
9971.00	89.32	169.13	6841.69	-3096.66	-766.61	2945.93	1.97	498426.94	1679660.19	
10064.00	90.28	173.01	6842.02	-3188.52	-752.17	3038.91	4.30	498335.08	1679674.63	
10159.00	88.97	169.07	6842.64	-3282.33	-737.38	3133.88	4.37	498241.27	1679689.42	
10253.00	91.33	167.06	6842.39	-3374.29	-717.95	3227.72	3.30	498149.31	1679708.85	
10348.00	92.13	166.07	6839.53	-3466.65	-695.88	3322.34	1.34	498056.95	1679730.92	
10440.00	92.88	171.57	6835.50	-3556.78	-678.07	3414.13	6.03	497966.82	1679748.73	
10535.00	91.33	172.86	6832.01	-3650.84	-665.21	3509.05	2.12	497872.76	1679761.59	
10629.00	89.70	172.73	6831.17	-3744.09	-653.42	3603.01	1.74	497779.51	1679773.38	
10724.00	89.39	171.66	6831.92	-3838.20	-640.52	3698.00	1.17	497685.40	1679786.28	
10818.00	89.00	171.35	6833.24	-3931.16	-626.64	3791.99	0.53	497592.44	1679800.16	
10913.00	89.04	171.60	6834.87	-4025.10	-612.56	3886.97	0.27	497498.50	1679814.24	
11008.00	88.93	170.67	6836.55	-4118.95	-597.92	3981.96	0.99	497404.65	1679828.88	
11100.00	89.37	171.24	6837.91	-4209.79	-583.46	4073.95	0.78	497313.81	1679843.34	
11195.00	89.90	172.24	6838.52	-4303.80	-569.81	4168.94	1.19	497219.80	1679856.99	
11290.00	90.65	172.88	6838.06	-4398.00	-557.51	4263.92	1.04	497125.60	1679869.29	
11384.00	90.37	171.95	6837.23	-4491.17	-545.10	4357.89	1.03	497032.43	1679881.70	
11479.00	89.95	171.38	6836.96	-4585.17	-531.33	4452.89	0.75	496938.43	1679895.47	
11574.00	89.65	170.27	6837.29	-4678.95	-516.18	4547.89	1.21	496844.65	1679910.62	
11668.00	89.60	169.47	6837.91	-4771.48	-499.65	4641.85	0.85	496752.12	1679927.15	
11763.00	89.58	169.35	6838.59	-4864.86	-482.19	4736.80	0.13	496658.74	1679944.61	
11858.00	89.70	171.80	6839.19	-4958.57	-466.64	4831.78	2.58	496565.03	1679960.16	
11953.00	90.21	171.52	6839.26	-5052.57	-452.86	4926.78	0.61	496471.03	1679973.94	
12048.00	90.35	171.64	6838.80	-5146.54	-438.95	5021.77	0.19	496377.06	1679987.85	
12142.00	89.98	172.50	6838.52	-5239.64	-425.98	5115.77	1.00	496283.96	1680000.82	
12236.00	90.37	172.20	6838.24	-5332.80	-413.46	5209.75	0.52	496190.80	1680013.34	
12331.00	89.21	171.78	6838.59	-5426.87	-400.23	5304.74	1.30	496096.73	1680026.57	
12426.00	89.58	172.11	6839.59	-5520.93	-386.92	5399.73	0.52	496002.67	1680039.88	
12520.00	89.88	171.69	6840.03	-5613.99	-373.67	5493.72	0.55	495909.61	1680053.13	
12615.00	89.09	172.41	6840.89	-5708.07	-360.53	5588.71	1.13	495815.53	1680066.27	
12710.00	89.37	171.80	6842.16	-5802.16	-347.48	5683.69	0.71	495721.44	1680079.32	
12805.00	90.31	171.96	6842.43	-5896.21	-334.07	5778.69	1.00	495627.39	1680092.73	
12899.00	89.41	172.07	6842.66	-5989.30	-321.01	5872.68	0.96	495534.30	1680105.79	
12994.00	89.93	172.46	6843.20	-6083.43	-308.22	5967.67	0.68	495440.17	1680118.58	
13087.00	88.38	172.51	6844.58	-6175.62	-296.06	6060.64	1.67	495347.98	1680130.74	
13180.00	88.92	172.90	6846.77	-6267.84	-284.26	6153.58	0.72	495255.76	1680145.54	
13273.00	89.37	172.67	6848.15	-6360.09	-272.58	6246.54	0.54	495163.51	1680157.22	

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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Weatherford International Ltd.

DIRECTIONAL REPORT

Company: CHESAPEAKE	Date: 4/29/2013	Time: 14:11:05	Page: 5
Field: MARSHALL COUNTY (NAD 27)	Co-ordinate(NE) Reference: Well: 206H, Grid North		
Site: FORK RIDGE PAD	Vertical (TVD) Reference: SITE 1413.0		
Well: 206H	Section (VS) Reference: Well (0.00N,0.00E,171.34Azi)		
Wellpath: HORIZONTAL	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Annotation
13368.00	88.17	171.69	6850.19	-6454.19	-259.65	6341.51	1.63	495069.41	1680167.15	
13463.00	88.74	171.13	6852.76	-6548.09	-245.47	6436.47	0.84	494975.51	1680181.33	
13556.00	88.76	171.95	6854.78	-6640.05	-231.79	6529.45	0.88	494883.55	1680195.01	
13649.00	89.13	171.35	6856.50	-6732.05	-218.29	6622.43	0.76	494791.55	1680208.51	
13695.00	89.16	170.92	6857.18	-6777.49	-211.20	6668.43	0.94	494746.11	1680215.60	LAST MWD SVY
13753.00	89.16	170.92	6858.03	-6834.76	-202.05	6726.42	0.00	494688.84	1680224.75	PROJ TO BIT

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->		<---- Longitude ---->					
							Deg	Min	Sec	Deg	Min	Sec		
206H PBHL P4		6845.22	-6833.30	-194.90	494690.30	1680231.90	39	51	9.480	N	80	38	20.325	W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
735.00	734.99	LAST GYRO SVY
831.00	830.98	FIRST MWD SVY
13695.00	6857.18	LAST MWD SVY
13753.00	6858.03	PROJ TO BIT

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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