

Pathfinder

Survey Report

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Job No: JWT-0506-0028-WT-WT
Date: 2/13/2006
Time: 11:21 am
Wellpath ID: 0601-0028
Date Created: 2/1/2006
Last Revision: 2/13/2006

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 269.20 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG RESOURCES
YELLOW 'A' 7 # 1H
RIG: JW # 3
EDDY CO., NM

DECL: 8.8 TO GRID
KBH: 18 FEET ROTARY TO GROUND

PATHFINDER OFFICE SUPERVISOR
CODY MEBANE
PATHFINDE FIELD ENGINEERS
FRANCISCO SINISTERRA
LEE ADAMS

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
TIE IN TO GYRO DATA SURVEY										
4153.80	2.69	109.16	4153.23	0.00	-4.97	11.88 S	5.14 E	12.94@	156.60	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
4174.00	2.73	109.79	4173.41	20.20	-5.87	12.20 S	6.04 E	13.61@	153.66	0.25
4205.00	2.20	138.35	4204.38	31.00	-6.95	12.89 S	7.13 E	14.73@	151.06	4.26
4236.00	3.61	201.46	4235.35	31.00	-6.97	14.25 S	7.17 E	15.95@	153.29	10.54
4267.00	7.12	222.99	4266.21	31.00	-5.27	16.56 S	5.50 E	17.45@	161.62	12.86
4297.00	11.26	231.07	4295.82	30.00	-1.68	19.76 S	1.95 E	19.86@	174.36	14.42
4328.00	15.74	235.38	4325.96	31.00	4.20	24.06 S	3.86W	24.36@	189.13	14.80
4358.00	19.35	242.68	4354.56	30.00	12.03	28.65 S	11.63W	30.92@	202.10	14.07
4389.00	22.95	249.97	4383.47	31.00	22.34	33.08 S	21.88W	39.66@	213.48	14.36
4420.00	26.38	256.30	4411.64	31.00	34.76	36.78 S	34.25W	50.26@	222.96	13.95
4451.00	30.34	260.78	4438.92	31.00	49.23	39.67 S	48.68W	62.80@	230.82	14.49
4482.00	34.65	262.89	4465.06	31.00	65.74	42.02 S	65.16W	77.53@	237.19	14.37
4513.00	39.04	263.51	4489.86	31.00	84.23	44.21 S	83.62W	94.59@	242.13	14.21
4544.00	43.44	263.24	4513.17	31.00	104.55	46.57 S	103.91W	113.87@	245.86	14.21
4576.00	47.13	263.51	4535.68	32.00	127.17	49.19 S	126.49W	135.72@	248.75	11.55
4607.00	50.21	264.83	4556.15	31.00	150.35	51.55 S	149.65W	158.28@	250.99	10.44
4639.00	53.29	266.93	4575.96	32.00	175.44	53.35 S	174.71W	182.67@	253.02	10.92
4671.00	56.54	268.17	4594.35	32.00	201.61	54.46 S	200.87W	208.12@	254.83	10.64
4703.00	59.36	269.40	4611.33	32.00	228.73	55.03 S	227.98W	234.53@	256.43	9.40
4735.00	62.17	269.04	4626.96	32.00	256.65	55.41 S	255.90W	261.83@	257.78	8.84
4766.00	63.49	268.52	4641.11	31.00	284.23	56.00 S	283.47W	288.95@	258.83	4.51
4798.00	64.89	268.78	4655.04	32.00	313.03	56.68 S	312.27W	317.37@	259.71	4.44
4830.00	69.38	268.52	4667.47	32.00	342.51	57.37 S	341.74W	346.52@	260.47	14.05
4862.00	74.22	269.22	4677.47	32.00	372.90	57.97 S	372.12W	376.61@	261.15	15.27
4893.00	75.71	268.87	4685.51	31.00	402.84	58.47 S	402.06W	406.29@	261.73	4.93
4925.00	74.57	268.34	4693.71	32.00	433.76	59.22 S	432.98W	437.01@	262.21	3.91
4964.00	78.08	267.99	4702.93	39.00	471.64	60.44 S	470.85W	474.71@	262.69	9.04

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Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist. (ft)	Dir. (deg.)	
4996.00	82.57	268.34	4708.31	32.00	503.18	61.44 S	502.37W	506.11@	263.03	14.07
5027.00	86.44	268.25	4711.28	31.00	534.02	62.36 S	533.21W	536.84@	263.33	12.49
5059.00	90.48	267.73	4712.14	32.00	566.00	63.48 S	565.17W	568.72@	263.59	12.73
5091.00	92.42	266.85	4711.33	32.00	597.97	65.00 S	597.12W	600.65@	263.79	6.66
5123.00	92.33	266.41	4710.00	32.00	629.91	66.88 S	629.04W	632.58@	263.93	1.40
5155.00	92.42	266.49	4708.68	32.00	661.85	68.86 S	660.95W	664.53@	264.05	0.38
5186.00	92.15	266.32	4707.44	31.00	692.78	70.80 S	691.86W	695.48@	264.16	1.03
5250.00	92.51	267.02	4704.84	64.00	756.67	74.51 S	755.70W	759.37@	264.37	1.23
5313.00	90.57	266.14	4703.14	63.00	819.58	78.27 S	818.56W	822.30@	264.54	3.38
5377.00	91.19	266.49	4702.16	64.00	883.49	82.38 S	882.42W	886.26@	264.67	1.11
5441.00	88.90	265.44	4702.11	64.00	947.38	86.89 S	946.26W	950.24@	264.75	3.94
5504.00	89.60	263.51	4702.94	63.00	1010.16	92.95 S	1008.96W	1013.23@	264.74	3.26
5536.00	88.99	262.80	4703.33	32.00	1041.98	96.76 S	1040.73W	1045.21@	264.69	2.93
5568.00	89.96	262.54	4703.62	32.00	1073.77	100.85 S	1072.46W	1077.19@	264.63	3.14
5599.00	90.92	262.98	4703.38	31.00	1104.57	104.75 S	1103.21W	1108.18@	264.58	3.41
5631.00	92.68	262.98	4702.38	32.00	1136.36	108.66 S	1134.96W	1140.15@	264.53	5.50
5663.00	92.68	263.77	4700.88	32.00	1168.16	112.35 S	1166.71W	1172.11@	264.50	2.47
5695.00	92.59	263.87	4699.41	32.00	1199.99	115.79 S	1198.49W	1204.07@	264.48	0.42
5727.00	93.21	265.35	4697.79	32.00	1231.84	118.79 S	1230.31W	1236.03@	264.48	5.01
5759.00	92.86	267.20	4696.10	32.00	1263.76	120.87 S	1262.19W	1267.97@	264.53	5.88
5790.00	92.86	268.19	4694.55	31.00	1294.71	122.11 S	1293.13W	1298.88@	264.61	3.19
5822.00	92.68	267.87	4693.01	32.00	1326.66	123.21 S	1325.07W	1330.79@	264.69	1.15
5854.00	92.95	268.07	4691.43	32.00	1358.62	124.35 S	1357.01W	1362.70@	264.76	1.05
5886.00	92.15	269.75	4690.01	32.00	1390.58	124.95 S	1388.97W	1394.58@	264.86	5.81
5917.00	91.01	270.19	4689.15	31.00	1421.57	124.97 S	1419.96W	1425.45@	264.97	3.94
5949.00	91.01	270.27	4688.59	32.00	1453.56	124.84 S	1451.96W	1457.31@	265.09	0.25
5981.00	91.28	270.01	4687.95	32.00	1485.55	124.76 S	1483.95W	1489.19@	265.19	1.17
6013.00	90.04	270.27	4687.58	32.00	1517.54	124.68 S	1515.95W	1521.07@	265.30	3.96
6045.00	88.64	271.24	4687.95	32.00	1549.53	124.26 S	1547.94W	1552.92@	265.41	5.32
6076.00	88.81	272.12	4688.64	31.00	1580.49	123.35 S	1578.92W	1583.73@	265.53	2.89
6108.00	89.87	272.56	4689.01	32.00	1612.44	122.05 S	1610.89W	1615.51@	265.67	3.59
6140.00	90.75	273.44	4688.84	32.00	1644.37	120.37 S	1642.85W	1647.25@	265.81	3.89
6172.00	91.01	273.79	4688.34	32.00	1676.27	118.36 S	1674.78W	1678.95@	265.96	1.36
6203.00	91.10	275.55	4687.77	31.00	1707.12	115.83 S	1705.67W	1709.60@	266.11	5.68
6235.00	89.78	275.11	4687.53	32.00	1738.93	112.86 S	1737.53W	1741.19@	266.28	4.35
6272.00	88.02	275.37	4688.24	37.00	1775.72	109.48 S	1774.37W	1777.74@	266.47	4.81
6303.00	87.49	275.28	4689.45	31.00	1806.52	106.61 S	1805.21W	1808.35@	266.62	1.73
6334.00	87.41	275.28	4690.83	31.00	1837.32	103.76 S	1836.05W	1838.98@	266.77	0.26
6365.00	88.29	275.72	4692.00	31.00	1868.11	100.79 S	1866.88W	1869.60@	266.91	3.17
6396.00	89.25	275.46	4692.66	31.00	1898.91	97.77 S	1897.73W	1900.24@	267.05	3.21
6428.00	89.25	275.64	4693.08	32.00	1930.71	94.67 S	1929.57W	1931.89@	267.19	0.56
6459.00	88.90	275.02	4693.58	31.00	1961.53	91.80 S	1960.43W	1962.58@	267.32	2.30
6490.00	89.78	275.11	4693.94	31.00	1992.36	89.06 S	1991.31W	1993.30@	267.44	2.85
6522.00	91.10	275.64	4693.69	32.00	2024.17	86.06 S	2023.17W	2025.00@	267.56	4.45
6553.00	91.63	275.64	4692.95	31.00	2054.97	83.02 S	2054.01W	2055.69@	267.69	1.71
6584.00	90.75	275.20	4692.31	31.00	2085.78	80.09 S	2084.86W	2086.40@	267.80	3.17
6615.00	90.13	274.40	4692.07	31.00	2116.63	77.49 S	2115.75W	2117.17@	267.90	3.26
6647.00	90.57	274.85	4691.88	32.00	2148.49	74.91 S	2147.65W	2148.96@	268.00	1.97

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6678.00	91.19	275.46	4691.40	31.00	2179.31	72.13 S	2178.52W	2179.71@268.10	2.81	
6709.00	90.22	274.14	4691.02	31.00	2210.16	69.54 S	2209.41W	2210.50@268.20	5.28	
6741.00	88.46	273.26	4691.39	32.00	2242.06	67.47 S	2241.34W	2242.35@268.28	6.15	
6771.00	87.76	272.74	4692.38	30.00	2271.98	65.90 S	2271.28W	2272.24@268.34	2.91	
6803.00	88.72	272.74	4693.36	32.00	2303.90	64.37 S	2303.23W	2304.13@268.40	3.00	
6834.00	89.87	271.77	4693.74	31.00	2334.85	63.15 S	2334.20W	2335.05@268.45	4.85	
6865.00	89.96	271.15	4693.79	31.00	2365.83	62.36 S	2365.19W	2366.01@268.49	2.02	
6897.00	90.48	270.54	4693.66	32.00	2397.82	61.89 S	2397.19W	2397.99@268.52	2.50	
6928.00	91.10	270.01	4693.24	31.00	2428.81	61.74 S	2428.18W	2428.97@268.54	2.63	
6959.00	90.84	269.83	4692.71	31.00	2459.80	61.79 S	2459.18W	2459.95@268.56	1.02	
6990.00	90.92	270.36	4692.24	31.00	2490.79	61.73 S	2490.17W	2490.94@268.58	1.73	
7021.00	91.01	270.01	4691.71	31.00	2521.78	61.63 S	2521.17W	2521.92@268.60	1.17	
7053.00	90.57	269.75	4691.27	32.00	2553.78	61.70 S	2553.17W	2553.91@268.62	1.60	
7084.00	89.87	268.96	4691.15	31.00	2584.78	62.05 S	2584.16W	2584.91@268.62	3.40	
7115.00	90.04	269.04	4691.18	31.00	2615.78	62.59 S	2615.16W	2615.91@268.63	0.61	
7147.00	90.92	269.66	4690.91	32.00	2647.78	62.95 S	2647.16W	2647.90@268.64	3.36	
7178.00	91.19	269.22	4690.34	31.00	2678.77	63.26 S	2678.15W	2678.90@268.65	1.67	
7209.00	90.92	268.96	4689.77	31.00	2709.77	63.75 S	2709.14W	2709.89@268.65	1.21	
7240.00	90.92	268.78	4689.27	31.00	2740.76	64.36 S	2740.13W	2740.89@268.65	0.58	
7272.00	90.75	268.96	4688.80	32.00	2772.76	64.99 S	2772.12W	2772.88@268.66	0.77	
7303.00	90.13	268.25	4688.57	31.00	2803.75	65.75 S	2803.11W	2803.88@268.66	3.04	
7334.00	90.13	268.43	4688.50	31.00	2834.75	66.64 S	2834.10W	2834.88@268.65	0.58	
7365.00	91.01	268.78	4688.19	31.00	2865.75	67.40 S	2865.08W	2865.88@268.65	3.05	
7396.00	91.01	268.52	4687.64	31.00	2896.74	68.13 S	2896.07W	2896.87@268.65	0.84	
7427.00	90.92	268.52	4687.12	31.00	2927.73	68.93 S	2927.06W	2927.87@268.65	0.29	
7458.00	90.75	268.61	4686.67	31.00	2958.73	69.71 S	2958.04W	2958.87@268.65	0.62	
7489.00	90.31	267.73	4686.38	31.00	2989.72	70.70 S	2989.03W	2989.86@268.65	3.17	
7520.00	90.66	268.34	4686.12	31.00	3020.71	71.76 S	3020.01W	3020.86@268.64	2.27	
7551.00	90.04	267.99	4685.93	31.00	3051.71	72.75 S	3050.99W	3051.86@268.63	2.30	
7582.00	89.52	267.73	4686.05	31.00	3082.70	73.91 S	3081.97W	3082.85@268.63	1.88	
7613.00	89.52	267.81	4686.31	31.00	3113.69	75.11 S	3112.94W	3113.85@268.62	0.26	
7644.00	89.87	267.64	4686.47	31.00	3144.68	76.35 S	3143.92W	3144.85@268.61	1.26	
7676.00	90.57	267.73	4686.35	32.00	3176.67	77.64 S	3175.89W	3176.84@268.60	2.21	
7738.00	91.28	266.93	4685.35	62.00	3238.62	80.53 S	3237.82W	3238.82@268.58	1.73	
7800.00	91.10	267.02	4684.06	62.00	3300.56	83.80 S	3299.72W	3300.78@268.55	0.32	
7863.00	91.01	267.11	4682.90	63.00	3363.51	87.02 S	3362.62W	3363.75@268.52	0.20	
7925.00	90.40	267.11	4682.14	62.00	3425.46	90.15 S	3424.54W	3425.73@268.49	0.98	
7988.00	89.96	267.02	4681.94	63.00	3488.42	93.37 S	3487.46W	3488.71@268.47	0.71	
8050.00	89.08	266.32	4682.46	62.00	3550.36	96.97 S	3549.35W	3550.67@268.43	1.81	
8078.00	89.34	266.93	4682.85	28.00	3578.33	98.62 S	3577.30W	3578.66@268.42	2.37	
8137.00	89.34	266.93	4683.53	59.00	3637.27	101.78 S	3636.21W	3637.63@268.40	0.00	

STRAIGHT LINE PROJECT TO BIT @ 8137' TD