

Pathfinder

Survey Report

Page 1
Job No: J-WT-0406-0076
Date: 8/9/2004
Time: 2:52 pm
Wellpath ID: Field Reports
Date Created: 6/23/2004
Last Revision: 8/9/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 180.00 deg.

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

Capataz Operating Inc.
White Owl #1
Patterson #54
Lea, Co. NM
Sec 2 T20S R38E
white owl #1

SUR: D-2-20s-38e, 582/N & 330/W
BHL: D-2-20s-38e, 1268/N & 335/W
API # 30-025-36689

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft)		Vertical Section (ft)	DLS (dg/100ft)
4150.00	1.04	33.65	0.00	4149.37	39.65 N	32.17 E	-39.65	0.00
4245.00	0.70	18.70	95.00	4244.36	40.92 N	32.83 E	-40.92	0.43
4340.00	1.10	28.20	95.00	4339.35	42.27 N	33.45 E	-42.27	0.45
4435.00	1.50	69.70	95.00	4434.33	43.51 N	35.05 E	-43.51	1.05
4475.00	1.00	32.30	40.00	4474.32	43.98 N	35.73 E	-43.98	2.33
4539.00	0.60	236.60	64.00	4538.31	44.27 N	35.74 E	-44.27	2.45
4602.00	2.10	209.50	63.00	4601.29	43.08 N	34.90 E	-43.08	2.52
4665.00	3.70	207.80	63.00	4664.21	40.28 N	33.38 E	-40.28	2.54
4729.00	4.90	202.80	64.00	4728.03	35.93 N	31.36 E	-35.93	1.96
4792.00	5.90	191.60	63.00	4790.75	30.28 N	29.67 E	-30.28	2.30
4856.00	7.10	186.10	64.00	4854.34	23.13 N	28.59 E	-23.13	2.11
4919.00	8.40	182.50	63.00	4916.76	14.66 N	27.97 E	-14.66	2.20
4982.00	9.80	184.60	63.00	4978.97	4.72 N	27.34 E	-4.72	2.28
5046.00	10.80	184.90	64.00	5041.94	6.69 S	26.39 E	6.69	1.56
5108.00	12.20	186.10	62.00	5102.69	18.99 S	25.20 E	18.99	2.29
5140.00	12.40	185.40	32.00	5133.96	25.77 S	24.52 E	25.77	0.78
5203.00	12.10	185.70	63.00	5195.52	39.08 S	23.22 E	39.08	0.49
5266.00	11.90	186.10	63.00	5257.15	52.11 S	21.88 E	52.11	0.34
5326.00	11.70	186.30	60.00	5315.88	64.30 S	20.55 E	64.30	0.34
5389.00	12.00	187.00	63.00	5377.53	77.15 S	19.05 E	77.15	0.53
5452.00	12.00	186.50	63.00	5439.16	90.16 S	17.51 E	90.16	0.17
5515.00	12.30	188.10	63.00	5500.75	103.31 S	15.83 E	103.31	0.72
5577.00	12.20	189.60	62.00	5561.33	116.31 S	13.80 E	116.31	0.54
5640.00	12.20	189.80	63.00	5622.91	129.43 S	11.56 E	129.43	0.07
5703.00	12.10	189.40	63.00	5684.50	142.51 S	9.35 E	142.51	0.21
5767.00	12.50	188.60	64.00	5747.03	155.97 S	7.22 E	155.97	0.68
5829.00	13.60	186.30	62.00	5807.43	169.85 S	5.42 E	169.85	1.96
5890.00	14.60	185.30	61.00	5866.59	184.64 S	3.92 E	184.64	1.69
5954.00	14.90	183.10	64.00	5928.48	200.89 S	2.73 E	200.89	0.99
6017.00	15.30	177.30	63.00	5989.31	217.28 S	2.68 E	217.28	2.48
6078.00	15.10	177.80	61.00	6048.18	233.26 S	3.37 E	233.26	0.39
6142.00	15.70	178.80	64.00	6109.88	250.24 S	3.87 E	250.24	1.03
6205.00	15.30	179.70	63.00	6170.59	267.08 S	4.09 E	267.08	0.74
6274.00	15.90	179.90	69.00	6237.05	285.63 S	4.15 E	285.63	0.87
6331.00	15.80	179.30	57.00	6291.88	301.20 S	4.26 E	301.20	0.34
6395.00	16.40	180.10	64.00	6353.37	318.95 S	4.35 E	318.95	1.00
6458.00	16.30	179.70	63.00	6413.82	336.68 S	4.38 E	336.68	0.24
6521.00	16.50	181.50	63.00	6474.26	354.47 S	4.20 E	354.47	0.87
6584.00	16.50	181.50	63.00	6534.66	372.35 S	3.73 E	372.35	0.00
6647.00	16.20	182.00	63.00	6595.12	390.08 S	3.19 E	390.08	0.53
6716.00	15.30	179.90	69.00	6661.52	408.80 S	2.87 E	408.80	1.54
6778.00	15.70	179.20	62.00	6721.27	425.37 S	3.00 E	425.37	0.71
6842.00	16.30	180.70	64.00	6782.79	443.01 S	3.01 E	443.01	1.14
6906.00	16.40	180.00	64.00	6844.20	461.03 S	2.90 E	461.03	0.35
6968.00	15.70	179.90	62.00	6903.79	478.17 S	2.91 E	478.17	1.13

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Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft) (ft)		Vertical Section (ft)	DLS (dg/100ft)
7032.00	15.70	180.90	64.00	6965.40	495.48 S	2.79 E	495.48	0.42
7094.00	15.40	180.90	62.00	7025.13	512.10 S	2.53 E	512.10	0.48
7157.00	15.20	182.00	63.00	7085.90	528.72 S	2.11 E	528.72	0.56
7221.00	15.50	181.00	64.00	7147.61	545.66 S	1.67 E	545.66	0.63
7284.00	15.50	179.50	63.00	7208.32	562.49 S	1.60 E	562.49	0.64
7348.00	15.90	178.40	64.00	7269.93	579.81 S	1.92 E	579.81	0.78
7412.00	15.30	178.30	64.00	7331.58	597.01 S	2.41 E	597.01	0.94
7475.00	15.40	178.60	63.00	7392.33	613.68 S	2.86 E	613.68	0.20
7538.00	15.70	176.30	63.00	7453.02	630.55 S	3.62 E	630.55	1.09
7601.00	15.80	177.60	63.00	7513.66	647.62 S	4.53 E	647.62	0.58
7692.00	16.00	180.00	91.00	7601.18	672.54 S	5.04 E	672.54	0.76
7741.00	16.00	181.00	49.00	7648.28	686.05 S	4.93 E	686.05	0.56