

002

Inrun Survey
for
E.O.G. RESOURCES

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							

[illegible]

Page 2

Well No.: YELLOW B 7 FEE #1 Date : 14-MAR-2006

GRID

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							

4000.00	3999.52	-35.05	1.70	82.27	-1.10	35.05	0.29
4100.00	4099.48	-38.13	1.87	79.99	-0.61	38.13	0.18
4200.00	4199.40	-42.03	2.66	81.24	0.02	42.03	0.79
4240.00	4239.35	-43.95	2.94	79.61	0.35	43.95	0.73

The Horizontal Displacement (in Feet) at
Measured Depth 4240.00 is 43.95 in a Direction of 89.55 Degrees

PathFinder Energy Services, Inc.

Survey Report

Page 01/03
Tie-In Date: 03/18/2008
Date Completed: 03/18/2008

EOG RESOURCES
YELLOW B 7 FEE # 1H
NEW MEXICO
Rig: McVAY 4
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers: FRANCISCO SINISTERRA

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.56.7.8072 N LON: 104.31.4.4438 W
Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 443373.4681 Y: 704097.1728
North Aligned To: GRID NORTH
Total Magnetic Correction: 8.78° EAST TO GRID
Vertical Section Plane: 269.94
Survey Vert. Reference: 3527.00' Rotary Bushing To MSL

Survey Calculations by PathCalc v1.82 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE IN TO SCIENTIFIC GYRO SURVEY										
4200.00	2.66	81.24	4198.40	-42.87	-42.03	0.02 N	42.03 E	42.03@	89.97	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
4240.00	0.53	266.31	4239.39	40.00	-42.76	0.15 N	42.76 E	42.76@	89.80	7.97
4271.00	3.89	265.17	4270.36	31.00	-41.83	0.06 N	41.83 E	41.83@	89.92	10.19
4303.00	7.65	267.72	4302.20	32.00	-38.47	0.12 S	38.47 E	38.47@	90.17	12.40
4334.00	12.22	270.44	4332.73	31.00	-33.12	0.17 S	33.12 E	33.13@	90.30	14.82
4365.00	16.44	271.83	4362.76	31.00	-25.48	0.00 N	25.48 E	25.48@	90.00	13.66
4397.00	21.02	272.90	4393.05	32.00	-15.19	0.44 N	15.19 E	15.20@	88.33	14.35
4428.00	25.90	271.67	4421.53	31.00	-2.97	0.92 N	2.96 E	3.10@	72.76	14.84
4460.00	30.34	270.82	4449.79	32.00	12.01	1.21 N	12.01 W	12.07@	276.74	18.20
4491.00	35.26	270.18	4476.84	31.00	28.80	1.32 N	28.80 W	28.83@	272.63	15.89
4522.00	39.48	269.83	4500.47	31.00	47.61	1.32 N	47.61 W	47.83@	271.59	13.83
4554.00	43.44	270.09	4524.45	32.00	68.79	1.31 N	68.79 W	68.81@	271.09	12.39
4586.00	47.31	270.44	4546.93	32.00	91.56	1.41 N	91.56 W	91.57@	270.89	12.12
4617.00	51.27	270.70	4567.14	31.00	115.05	1.85 N	115.06 W	115.07@	270.82	12.79
4649.00	55.22	271.32	4586.29	32.00	140.63	2.11 N	140.69 W	140.70@	270.86	12.44
4680.00	59.44	271.23	4603.02	31.00	166.77	2.69 N	166.77 W	166.79@	270.92	13.62
4712.00	63.68	270.82	4618.28	32.00	194.88	3.14 N	194.88 W	194.91@	270.92	13.06
4743.00	67.44	269.56	4631.13	31.00	223.09	3.18 N	223.09 W	223.11@	270.82	12.83
4767.00	69.03	269.30	4636.32	14.00	236.09	3.05 N	236.09 W	236.11@	270.74	11.49
4789.00	72.11	268.95	4646.96	32.00	266.26	2.59 N	266.26 W	266.27@	270.66	9.88
4820.00	74.67	268.68	4655.85	31.00	285.98	1.97 N	285.96 W	285.98@	270.38	7.98
4851.00	76.71	268.33	4663.80	31.00	325.90	1.19 N	325.90 W	325.90@	270.21	3.84
4883.00	78.77	268.24	4671.41	32.00	356.97	0.26 N	356.97 W	356.97@	270.04	3.32
4914.00	77.82	268.33	4678.23	31.00	387.20	0.85 S	387.20 W	387.20@	269.90	3.40

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES
YELLOW B 7 FEE # 1H
NEW MEXICO
RIG:McVAY 4

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
4948.00	78.23	288.88	4684.59	32.00	418.55	1.46 S	418.55 W	418.55@	289.80	4.53
4977.00	81.35	288.95	4689.85	31.00	448.09	2.10 S	448.09 W	448.09@	289.73	6.57
5009.00	83.01	288.42	4694.23	32.00	480.78	2.82 S	480.78 W	480.78@	288.66	5.74
5040.00	84.24	288.07	4697.87	31.00	511.57	3.77 S	511.57 W	511.58@	289.58	4.12
5103.00	88.02	288.24	4701.92	63.00	574.38	6.76 S	574.38 W	574.41@	289.42	6.01
5168.00	89.34	288.33	4703.37	63.00	637.34	7.67 S	637.34 W	637.38@	288.31	2.10
5228.00	91.38	288.51	4702.99	63.00	700.32	9.41 S	700.31 W	700.37@	289.23	3.22
5292.00	92.42	288.51	4700.91	83.00	783.28	11.05 S	783.25 W	783.33@	289.17	1.88
5354.00	91.28	288.57	4698.91	62.00	825.17	13.71 S	825.16 W	825.27@	289.05	3.63
5417.00	90.75	288.15	4697.79	63.00	888.10	16.61 S	888.08 W	888.23@	288.93	2.64
5480.00	89.60	287.01	4697.80	63.00	961.04	19.27 S	961.02 W	961.22@	288.84	2.57
5544.00	90.86	288.86	4697.45	64.00	1015.00	21.58 S	1014.98 W	1015.20@	288.76	3.33
5608.00	91.01	288.88	4696.55	62.00	1078.98	22.91 S	1078.95 W	1077.20@	288.78	0.83
5670.00	87.58	287.45	4697.34	64.00	1140.93	25.07 S	1140.90 W	1141.18@	288.74	5.69
5701.00	88.29	288.77	4698.46	31.00	1171.89	28.09 S	1171.86 W	1172.15@	288.72	4.83
5733.00	88.72	288.95	4699.29	32.00	1203.87	26.73 S	1203.85 W	1204.14@	288.73	1.46
5785.00	88.99	288.86	4698.93	32.00	1235.86	27.34 S	1235.83 W	1236.14@	288.73	0.88
5796.00	88.64	288.51	4700.57	31.00	1268.85	28.05 S	1268.82 W	1267.13@	288.73	1.60
5860.00	90.84	289.74	4700.88	64.00	1330.84	29.03 S	1330.81 W	1331.12@	288.75	3.94
5923.00	91.36	270.09	4699.65	63.00	1393.82	29.12 S	1393.79 W	1394.10@	288.80	0.99
5986.00	89.98	288.86	4698.93	63.00	1456.82	29.70 S	1456.79 W	1457.08@	288.83	2.98
6048.00	89.60	288.91	4699.16	62.00	1518.80	31.12 S	1518.77 W	1519.08@	288.83	0.81
6112.00	91.01	289.65	4698.82	64.00	1582.79	32.15 S	1582.76 W	1583.08@	288.84	2.83
6175.00	89.43	287.98	4698.58	63.00	1645.77	33.45 S	1645.74 W	1646.08@	288.84	3.65
6238.00	89.87	288.88	4698.97	63.00	1708.75	35.29 S	1708.71 W	1709.07@	288.82	1.31
6301.00	90.31	289.65	4698.87	63.00	1771.74	36.20 S	1771.70 W	1772.07@	288.83	1.69
6365.00	90.92	270.44	4698.18	64.00	1835.73	36.15 S	1835.70 W	1836.05@	288.87	1.56
6427.00	91.45	272.02	4698.90	62.00	1897.70	34.82 S	1897.67 W	1897.99@	288.95	2.69
6490.00	90.48	270.53	4698.94	63.00	1960.67	33.42 S	1960.64 W	1960.93@	289.02	2.82
6551.00	90.82	270.27	4696.09	61.00	2021.67	33.00 S	2021.63 W	2021.90@	289.06	0.84
6615.00	90.13	288.85	4694.51	64.00	2085.68	33.43 S	2085.63 W	2085.90@	289.08	2.40
6678.00	89.08	287.80	4694.94	63.00	2148.64	35.22 S	2148.60 W	2148.89@	289.06	2.47
6742.00	89.60	288.24	4695.68	64.00	2212.59	37.43 S	2212.56 W	2212.87@	289.03	1.06
6806.00	90.31	288.42	4695.73	64.00	2276.57	38.29 S	2276.53 W	2276.87@	289.01	1.14

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES
YELLOW B 7 FEE # 1H
NEW MEXICO
RIG:McVAY 4

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
6869.00	91.19	268.96	4694.90	63.00	2339.55	40.79 S	2339.51 W	2339.86@	268.00	1.56
6932.00	89.87	267.28	4694.32	63.00	2402.91	42.91 S	2402.46 W	2402.88@	268.88	3.27
6996.00	90.92	268.16	4693.89	63.00	2465.46	45.42 S	2465.41 W	2465.83@	268.94	2.16
7057.00	91.10	267.54	4692.79	62.00	2527.41	47.75 S	2527.36 W	2527.81@	268.82	1.03
7120.00	91.10	267.45	4691.58	63.00	2590.34	50.51 S	2590.28 W	2590.78@	268.88	0.14
7184.00	89.87	268.31	4691.04	64.00	2654.24	53.99 S	2654.19 W	2654.73@	268.83	2.62
7247.00	88.72	268.78	4691.82	63.00	2717.09	58.33 S	2717.03 W	2717.64@	268.77	2.01
7311.00	88.55	265.90	4693.34	64.00	2780.91	62.94 S	2780.84 W	2781.58@	268.70	0.39
7373.00	88.55	265.87	4694.91	62.00	2842.74	67.36 S	2842.67 W	2843.47@	268.64	0.16
7436.00	89.43	266.48	4696.02	63.00	2906.69	71.58 S	2906.52 W	2908.40@	268.59	1.70
7498.00	89.96	265.96	4696.36	63.00	2968.48	76.71 S	2968.38 W	2969.34@	268.54	1.18
7563.00	90.86	265.69	4696.01	64.00	3032.29	80.37 S	3032.21 W	3033.27@	268.48	1.17
7626.00	90.84	265.52	4695.19	63.00	3095.10	85.20 S	3095.02 W	3098.19@	268.42	0.39
7689.00	90.57	264.82	4694.41	63.00	3157.88	90.50 S	3157.79 W	3159.08@	268.36	1.19
7752.00	90.57	263.94	4693.78	63.00	3220.58	96.87 S	3220.48 W	3221.83@	268.28	1.40
7815.00	90.88	263.50	4693.11	63.00	3283.21	103.56 S	3283.10 W	3284.73@	268.19	0.71
7879.00	89.78	262.62	4692.88	64.00	3346.74	111.30 S	3346.63 W	3348.48@	268.10	1.84
7942.00	89.41	261.48	4693.86	63.00	3409.14	120.01 S	3409.01 W	3411.12@	267.98	2.83
8006.00	90.13	262.18	4693.06	94.00	3502.18	133.38 S	3502.05 W	3504.59@	267.82	1.98
8068.00	90.22	262.00	4694.96	32.00	3533.88	137.77 S	3533.74 W	3536.43@	267.77	0.63
STRAIGHT LINE PROJECTION TO BIT										
8133.00	90.22	262.00	4694.71	65.00	3598.28	146.81 S	3598.11 W	3601.10@	267.66	0.00