

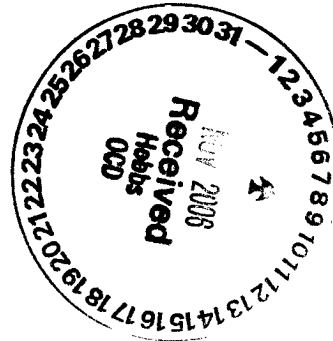
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° SCIENTIFIC DRILLING CONTROLS °
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KEEPER GYRO SURVEY
Directional Survey Report

SUR: I-1-16s-35e, 2310/S & 610/E
BHL: I-1-16s-35e, 1691/S & 686/E
API #30-025-38016

for
UAAA
3 YATES PETROLEUM 3
3 3
AAU

Well Number : DOOR BIW STATE # 1-Y
Well Location : LEA COUNTY, NEW MEXICO
Job Number : 32K0806696
Location Latitude : 32.950
Survey Date : 28-AUG-2006
S.D.C. Personnel : TL REHDERS
Length Units : Feet
North Reference : GRID North
Grid Correction : -0.51 Degrees
Survey Depth Zero : RKB
Proposal Direction : 187.31
Calculation Method : Minimum Curvature



Remarks : The INRUN Survey will be called definitive

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° SCIENTIFIC DRILLING CONTROLS °
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10540

YATES PETROLEUM

Well No.: DOOR BIW STATE # 1-Y

Date : 28-AUG-2006

Job	No.	:32K0806696	GRID	Proposal	:	187.31
Depth	T.V.D.	V.S.	Inc	Azimuth	Latitude	Departure D-leg
(Feet)	(Feet)	(Feet)	Deg.	Deg.	(Feet)	(Feet) /100
0	0	0	0	359.49	0	0
100	100	-0.24	0.28	13.45	0.24	0.06
200	200	-0.63	0.17	11.69	0.62	0.14
300	300	-1	0.29	39.26	0.96	0.33
400	400	-1.29	0.48	86.77	1.18	0.91
500	499.99	-1.43	0.65	90.35	1.2	1.9
600	599.96	-0.78	2.27	118.58	0.25	4.2
700	699.88	0.08	2.05	102.02	-1.07	7.69
800	799.81	0.91	2.44	115.95	-2.37	11.36
900	899.73	2.19	2.09	116.65	-4.12	14.9
1000	999.67	3.2	2.03	110.39	-5.56	18.19
1100	1099.61	4.03	1.79	113.25	-6.79	21.29
1200	1199.55	4.74	2.28	105.62	-7.94	24.64
1300	1299.48	5.6	1.97	116.62	-9.25	28.09
1400	1399.42	6.72	1.74	118.82	-10.75	30.95
1500	1499.37	8.1	1.88	127.15	-12.47	33.59
1600	1599.32	9.65	1.92	123.34	-14.38	36.3
1700	1699.24	11.36	2.48	124.23	-16.52	39.49
1800	1799.14	13.3	2.83	120.2	-18.98	43.41
1900	1898.95	15.49	4.14	117.19	-21.87	48.76
2000	1998.8	16.96	2.04	105.16	-23.99	53.68
2100	2098.73	17.48	2.14	105.79	-24.96	57.2
2200	2198.65	17.96	2.41	102.9	-25.94	61.04
2300	2298.57	18.73	2.33	113.34	-27.21	64.96
2400	2398.49	19.57	2.13	105.97	-28.53	68.61
2500	2498.43	20.11	1.98	106.03	-29.52	72.06
2600	2598.37	20.73	1.99	109.22	-30.57	75.36
2700	2698.27	22.03	3.08	117.77	-32.39	79.38
2800	2798.16	23.47	2.19	112.47	-34.37	83.52
2900	2898.1	24.47	1.99	114.25	-35.82	86.87
3000	2998.04	25.51	1.98	115.12	-37.26	90.02
3100	3097.98	26.32	1.72	108.18	-38.46	93
3200	3197.94	27	1.74	112.64	-39.52	95.83
3300	3297.89	28	1.92	118.22	-40.89	98.71
3400	3397.83	29.07	1.81	114.77	-42.35	101.62
3500	3497.8	29.82	1.19	112.58	-43.41	104.01
3600	3597.78	30.34	0.97	114.2	-44.15	105.74
3700	3697.77	30.67	0.97	102.76	-44.69	107.34
3800	3797.75	30.97	1.19	109.95	-45.23	109.14
3900	3897.73	31.32	1.04	104.98	-45.82	111
4000	3997.71	31.58	1.05	106.15	-46.31	112.75
4100	4097.7	31.91	1.05	108.77	-46.86	114.5
4200	4197.66	32.78	1.83	122.91	-48.02	116.71
4300	4297.64	33.55	0.71	105.17	-49.05	118.65

4400	4397.63	33.76	0.82	106.86	-49.42	119.93	0.11
4500	4497.62	33.98	0.85	105.23	-49.82	121.33	0.04
4600	4597.61	34.23	0.85	109	-50.26	122.75	0.06
4700	4697.6	34.55	0.72	113.07	-50.74	124.03	0.14
4800	4797.59	34.75	0.67	99.92	-51.09	125.18	0.17
4900	4897.58	34.72	0.75	92.5	-51.22	126.41	0.12
5000	4997.58	34.63	0.67	94.37	-51.29	127.65	0.08
5100	5097.57	34.68	0.75	103.92	-51.5	128.87	0.14
5200	5197.56	34.69	0.54	89.3	-51.65	129.97	0.27
5300	5297.56	34.6	0.72	95.13	-51.7	131.07	0.19
5400	5397.55	34.58	0.65	98.04	-51.83	132.26	0.08
5500	5497.54	34.44	0.66	81.76	-51.83	133.39	0.19
5600	5597.54	34.22	0.52	89.11	-51.74	134.41	0.16
5700	5697.53	34.13	0.68	95.21	-51.79	135.46	0.17
5800	5797.52	34.02	0.49	85.21	-51.8	136.47	0.21
5900	5897.52	33.7	0.79	77.98	-51.63	137.57	0.31
6000	5997.51	33.54	0.59	104.75	-51.61	138.75	0.37
6100	6097.51	33.77	0.34	130.83	-51.94	139.47	0.32
6200	6197.5	34.23	0.56	135.08	-52.48	140.04	0.22
6300	6297.5	35.1	0.78	153.77	-53.44	140.68	0.31
6400	6397.49	36.24	0.73	162.01	-54.65	141.18	0.12
6500	6497.48	37.07	0.35	151.63	-55.53	141.52	0.39
6600	6597.48	37.59	0.43	143.56	-56.1	141.89	0.1
6700	6697.48	38.12	0.3	197.51	-56.65	142.03	0.35
6800	6797.47	39.11	0.98	218.22	-57.57	141.43	0.71
6900	6897.47	39.91	0.49	268.35	-58.25	140.47	0.76
7000	6997.46	39.81	0.7	293.24	-58.03	139.48	0.33
7012	7009.46	39.74	0.72	311.59	-57.95	139.36	1.89

The Horizontal Displacement (in Feet) at

Measured Depth 7012.00 is 150.93 in a Direction of 112.58 Degrees

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Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation Field: Door BIW State #1Y Site: Door BIW State #1Y Well: Door BIW State #1Y Wellpath: Original Hole		Date: 9/22/2006 Time: 08:50:34 Page: 1 Co-ordinate(NE) Reference: Well: Door BIW State #1Y, Grid North Vertical (TVD) Reference: SITE 3986.0 Section (VS) Reference: Well (0.00N,0.00E,187.13Azi) Survey Calculation Method: Minimum Curvature Db: Sybase								
Field: Door BIW State #1Y Lea County		Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level								
Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005										
Site: Door BIW State #1Y 2310 FSL 610 FEL, S1 T16S R 35E										
Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 3986.00 ft	Northing: Easting:	Latitude: Longitude: North Reference: Grid Grid Convergence: 0.51 deg								
Well: Door BIW State #1Y Slot Name:										
Well Position: +N/-S 0.00 ft Northing: 710662.99 ft +E/-W 0.00 ft Easting: 826203.13 ft	Latitude: 32 57 0.600 N Longitude: 103 24 16.900 W	Position Uncertainty: 0.00 ft								
Wellpath: Original Hole										
Current Datum: SITE Magnetic Data: 8/25/2006 Field Strength: 49603 nT Vertical Section: Depth From (TVD) ft	Height: 3986.00 ft +N/-S ft +E/-W ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.13 deg Mag Dip Angle: 61.02 deg Direction deg								
0.00	0.00	0.00	187.13							
Survey: Pathfinder MWD Surveys Start Date: 8/30/2006										
Company: Pathfinder Energy Tool:		Engineer: Midwellplan Tied-to: From: Definitive Path								
Survey: Pathfinder MWD Surveys										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7012.00	0.72	311.59	7009.47	-57.95	139.36	40.21	0.00	0.00	0.00	
7070.00	1.06	230.27	7067.46	-58.05	138.67	40.40	2.05	0.59	-140.21	
7133.00	2.99	212.34	7130.42	-59.81	137.35	42.31	3.19	3.06	-28.46	
7197.00	3.52	213.66	7194.32	-62.85	135.36	45.58	0.84	0.83	2.06	
7260.00	3.61	215.33	7257.20	-66.08	133.15	49.06	0.22	0.14	2.65	
7324.00	4.31	212.34	7321.04	-69.76	130.69	53.01	1.14	1.09	-4.67	
7387.00	5.10	209.00	7383.83	-74.21	128.07	57.75	1.33	1.25	-5.30	
7452.00	5.89	203.90	7448.53	-79.78	125.32	63.62	1.43	1.22	-7.85	
7515.00	6.60	199.95	7511.16	-86.14	122.77	70.25	1.32	1.13	-6.27	
7579.00	6.60	201.70	7574.73	-93.02	120.16	77.39	0.31	0.00	2.73	
7642.00	7.12	200.30	7637.28	-100.04	117.46	84.70	0.87	0.83	-2.22	
7706.00	7.91	197.75	7700.73	-107.96	114.75	92.89	1.34	1.23	-3.98	
7769.00	8.35	196.69	7763.10	-116.47	112.11	101.66	0.74	0.70	-1.68	
7832.00	8.35	199.59	7825.43	-125.16	109.26	110.64	0.67	0.00	4.60	
7896.00	8.88	200.74	7888.71	-134.16	105.96	119.98	0.87	0.83	1.80	
7959.00	8.79	201.35	7950.96	-143.19	102.48	129.37	0.21	-0.14	0.97	
8023.00	8.35	199.68	8014.25	-152.12	99.14	138.65	0.79	-0.69	-2.61	
8086.00	8.18	199.86	8076.59	-160.64	96.07	147.48	0.27	-0.27	0.29	
8130.00	8.09	199.51	8120.15	-166.50	93.98	153.56	0.23	-0.20	-0.80	
8193.00	8.00	200.47	8182.53	-174.79	90.96	162.15	0.26	-0.14	1.52	
8256.00	8.00	202.14	8244.92	-182.96	87.78	170.65	0.37	0.00	2.65	
8320.00	8.18	196.43	8308.28	-191.45	84.81	179.45	1.29	0.28	-8.92	
8383.00	8.27	198.54	8370.63	-200.04	82.10	188.31	0.50	0.14	3.35	
8447.00	8.53	200.65	8433.95	-208.85	78.96	197.44	0.63	0.41	3.30	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation
 Field: Door BIW State #1Y
 Site: Door BIW State #1Y
 Well: Door BIW State #1Y
 Wellpath: Original Hole

Date: 9/22/2006 Time: 08:50:34 Page: 2
 Co-ordinate(NE) Reference: Well: Door BIW State #1Y, Grid North
 Vertical (TVD) Reference: SITE 3986.0
 Section (VS) Reference: Well (0.00N,0.00E,187.13Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Pathfinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
8510.00	8.53	198.54	8496.25	-217.65	75.83	206.56	0.50	0.00	-3.35	
8574.00	7.83	198.80	8559.60	-226.28	72.92	215.49	1.10	-1.09	0.41	
8637.00	8.00	197.04	8622.00	-234.53	70.25	224.01	0.47	0.27	-2.79	
8700.00	8.18	201.09	8684.37	-242.90	67.35	232.67	0.95	0.29	6.43	
8764.00	8.44	202.49	8747.70	-251.49	63.92	241.62	0.51	0.41	2.19	
8827.00	8.62	200.12	8810.00	-260.20	60.52	250.68	0.63	0.29	-3.76	
8891.00	8.18	199.95	8873.32	-268.98	57.32	259.79	0.69	-0.69	-0.27	
8954.00	8.53	199.59	8935.65	-277.59	54.22	268.73	0.56	0.56	-0.57	
9018.00	8.27	200.47	8998.96	-286.38	51.02	277.84	0.45	-0.41	1.37	
9081.00	8.09	201.79	9061.32	-294.74	47.79	286.54	0.41	-0.29	2.10	
9144.00	8.27	202.76	9123.68	-303.03	44.40	295.19	0.36	0.29	1.54	
9208.00	8.09	202.41	9187.03	-311.44	40.90	303.96	0.29	-0.28	-0.55	
9271.00	8.44	200.91	9249.37	-319.86	37.56	312.73	0.65	0.56	-2.38	
9335.00	8.27	200.91	9312.69	-328.55	34.24	321.76	0.27	-0.27	0.00	
9398.00	7.83	199.24	9375.07	-336.83	31.21	330.36	0.79	-0.70	-2.65	
9462.00	8.00	199.68	9438.46	-345.14	28.27	338.97	0.28	0.27	0.69	
9525.00	8.18	200.65	9500.84	-353.46	25.21	347.60	0.36	0.29	1.54	
9589.00	8.44	201.79	9564.16	-362.08	21.87	356.58	0.48	0.41	1.78	
9652.00	8.35	200.38	9626.49	-370.66	18.56	365.50	0.36	-0.14	-2.24	
9715.00	7.91	199.15	9688.86	-379.05	15.54	374.19	0.75	-0.70	-1.95	
9747.00	8.00	199.42	9720.55	-383.23	14.08	378.52	0.30	0.28	0.84	
9779.00	8.18	200.21	9752.23	-387.46	12.55	382.92	0.66	0.56	2.47	
9811.00	8.27	198.89	9783.90	-391.78	11.02	387.39	0.65	0.28	-4.12	
9842.00	8.27	199.59	9814.58	-395.99	9.55	391.75	0.32	0.00	2.26	
9874.00	7.91	201.88	9846.26	-400.20	7.96	396.12	1.51	-1.12	7.16	
9906.00	7.30	202.49	9877.98	-404.12	6.36	400.21	1.92	-1.91	1.91	
9937.00	7.39	202.41	9908.72	-407.78	4.85	404.03	0.29	0.29	-0.26	
9969.00	7.65	200.91	9940.45	-411.68	3.30	408.09	1.02	0.81	-4.69	
10001.00	7.65	200.47	9972.16	-415.66	1.80	412.23	0.18	0.00	-1.37	
10033.00	7.65	200.74	10003.88	-419.65	0.30	416.37	0.11	0.00	0.84	
10064.00	7.65	200.82	10034.60	-423.51	-1.17	420.38	0.03	0.00	0.26	
10096.00	7.83	201.53	10066.31	-427.53	-2.72	424.56	0.64	0.56	2.22	
10128.00	7.65	201.70	10098.02	-431.53	-4.31	428.73	0.57	-0.56	0.53	
10160.00	7.74	201.97	10129.73	-435.51	-5.90	432.88	0.30	0.28	0.84	
10191.00	7.47	201.26	10160.46	-439.32	-7.42	436.85	0.92	-0.87	-2.29	
10223.00	7.74	201.09	10192.18	-443.27	-8.95	440.96	0.85	0.84	-0.53	
10255.00	7.91	201.10	10223.88	-447.34	-10.51	445.19	0.53	0.53	0.03	
10287.00	7.91	200.91	10255.58	-451.45	-12.09	449.46	0.08	0.00	-0.59	
10318.00	8.00	200.91	10286.28	-455.46	-13.62	453.63	0.29	0.29	0.00	
10350.00	8.09	200.74	10317.96	-459.64	-15.22	457.98	0.29	0.28	-0.53	
10382.00	7.91	200.82	10349.65	-463.81	-16.80	462.31	0.56	-0.56	0.25	
10414.00	8.00	202.32	10381.34	-467.92	-18.42	466.60	0.71	0.28	4.69	
10446.00	7.83	201.79	10413.04	-472.01	-20.08	470.85	0.58	-0.53	-1.66	
10477.00	8.00	201.79	10443.74	-475.97	-21.66	474.98	0.55	0.55	0.00	
10509.00	7.83	202.41	10475.44	-480.05	-23.32	479.24	0.59	-0.53	1.94	
10541.00	7.74	200.91	10507.14	-484.08	-24.92	483.44	0.69	-0.28	-4.69	
10573.00	7.56	200.56	10538.86	-488.07	-26.43	487.58	0.58	-0.56	-1.09	
10605.00	7.83	200.03	10570.57	-492.09	-27.92	491.75	0.87	0.84	-1.66	
10636.00	7.83	201.62	10601.28	-496.03	-29.42	495.85	0.70	0.00	5.13	
10668.00	7.39	202.93	10633.00	-499.95	-31.02	499.94	1.48	-1.37	4.09	
10700.00	7.65	202.58	10664.72	-503.82	-32.64	503.97	0.83	0.81	-1.09	
10732.00	7.74	200.38	10696.44	-507.80	-34.21	508.12	0.96	0.28	-6.87	
10763.00	7.83	199.95	10727.15	-511.74	-35.66	512.22	0.35	0.29	-1.39	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation
 Field: Door BIW State #1Y
 Site: Door BIW State #1Y
 Well: Door BIW State #1Y
 Wellpath: Original Hole

Date: 9/22/2006 Time: 08:50:34 Page: 3
 Co-ordinate(N/E) Reference: Well: Door BIW State #1Y Grid North
 Vertical (TVD) Reference: SITE 3985.0
 Section (VS) Reference: Well (0.00N,0.00E,187.13Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Pathfinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
10800.00	7.65	200.24	10763.81	-516.42	-37.37	517.07	0.50	-0.49	0.78	
10831.00	7.83	201.62	10794.53	-520.32	-38.86	521.13	0.83	0.58	4.45	
10863.00	7.91	200.74	10826.23	-524.41	-40.44	525.38	0.45	0.25	-2.75	
10895.00	7.74	199.07	10857.93	-528.50	-41.93	529.62	0.89	-0.53	-5.22	
10927.00	7.56	199.15	10889.65	-532.53	-43.32	533.79	0.56	-0.56	0.25	
10958.00	7.39	199.77	10920.38	-536.33	-44.67	537.73	0.61	-0.55	2.00	
10990.00	7.39	199.77	10952.12	-540.21	-46.06	541.75	0.00	0.00	0.00	
11022.00	7.65	201.26	10983.84	-544.13	-47.53	545.82	1.02	0.81	4.66	
11053.00	7.56	200.82	11014.57	-547.96	-49.00	549.80	0.35	-0.29	-1.42	
11085.00	7.65	199.59	11046.29	-551.93	-50.46	553.93	0.58	0.28	-3.84	
11117.00	7.39	198.36	11078.01	-555.89	-51.82	558.03	0.96	-0.81	-3.84	
11148.00	7.30	199.33	11108.76	-559.64	-53.10	561.91	0.49	-0.29	3.13	
11180.00	7.39	200.03	11140.50	-563.49	-54.48	565.90	0.40	0.28	2.19	
11212.00	7.47	200.47	11172.23	-567.38	-55.91	569.93	0.31	0.25	1.37	
11243.00	7.65	200.65	11202.96	-571.19	-57.35	573.90	0.59	0.58	0.58	
11275.00	7.56	201.70	11234.68	-575.14	-58.88	578.00	0.52	-0.28	3.28	
11307.00	7.30	202.85	11266.41	-578.97	-60.44	582.00	0.94	-0.81	3.59	
11339.00	7.21	201.88	11298.15	-582.71	-61.98	585.90	0.48	-0.28	-3.03	
11370.00	7.30	200.38	11328.90	-586.36	-63.39	589.70	0.68	0.29	-4.84	
11402.00	7.47	198.45	11360.64	-590.24	-64.76	593.71	0.94	0.53	-6.03	
11434.00	7.56	199.15	11392.36	-594.20	-66.11	597.81	0.40	0.28	2.19	
11466.00	7.30	201.53	11424.09	-598.08	-67.54	601.84	1.26	-0.81	7.44	
11498.00	7.21	203.11	11455.84	-601.82	-69.08	605.74	0.68	-0.28	4.94	
11529.00	7.65	201.65	11486.58	-605.53	-70.60	609.61	1.54	1.42	-4.71	
11561.00	7.91	200.74	11518.28	-609.57	-72.17	613.81	0.90	0.81	-2.84	
11587.00	8.09	201.18	11544.03	-612.94	-73.46	617.32	0.73	0.69	1.69	
11630.00	8.09	201.18	11586.60	-618.59	-75.65	623.19	0.00	0.00	0.00	

BHL = 1691' FSL + 686' FEL

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