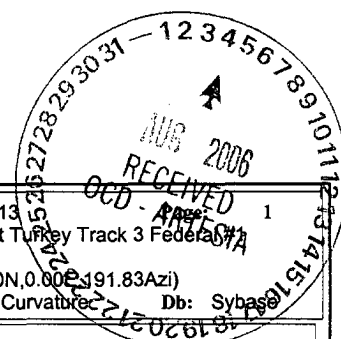


Pathfinder Energy

Survey Report - Geographic



Company: Edge Petroleum Corporation Field: Turkey Track Site: Section 3, T19-S, R30-E Well: East Turkey Track 3 Federal #1 Wellpath: Original Hole	Date: 4/25/2006 Co-ordinate(N/E) Reference: Well: East Turkey Track 3 Federal #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N, 0.00E, 191.83Azi) Survey Calculation Method: Minimum Curvature	Time: 10:44:13 Page: 1 Db: Sybase
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Field: Turkey Track Eddy County, New Mexico	Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level
Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005	

Site: Section 3, T19-S, R30-E
 Eddy County, New Mexico

Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3419.00 ft	Northing: 615525.20 ft Easting: 614219.00 ft	Latitude: 32 41 29.861 N Longitude: 103 57 43.437 W North Reference: Grid Grid Convergence: 0.20 deg
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Well: East Turkey Track 3 Federal #1 Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Northing: 615525.20 ft Easting: 614219.00 ft Latitude: 32 41 29.861 N Longitude: 103 57 43.437 W
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Wellpath: Original Hole Current Datum: SITE Magnetic Data: 3/7/2006 Field Strength: 49425 nT Vertical Section: Depth From (TVD) ft	Height 0.00 ft +N/-S ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.42 deg Mag Dip Angle: 60.69 deg +E/-W ft Direction deg
0.00	0.00	0.00 191.83

Survey: Pathfinder MWD Survey Company: PathFinder Energy Services Tool:	Start Date: 3/10/2006 Engineer: Doug Tanner Tied-to: From: Gyro Survey
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Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →		← Longitude →	
								Deg	Min Sec	Deg	Min Sec
3300.00	0.78	320.04	3299.15	21.80	34.23	615547.00	614253.23	32 41	30.076 N	103 57	43.036 W
3327.00	0.59	296.39	3326.15	22.00	33.99	615547.20	614252.99	32 41	30.078 N	103 57	43.039 W
3381.00	1.58	217.46	3380.14	21.53	33.28	615546.73	614252.28	32 41	30.073 N	103 57	43.047 W
3476.00	3.87	201.99	3475.02	17.52	31.29	615542.72	614250.29	32 41	30.033 N	103 57	43.070 W
3571.00	6.33	200.23	3569.64	9.63	28.28	615534.83	614247.28	32 41	29.955 N	103 57	43.106 W
3667.00	7.92	194.26	3664.90	-1.74	24.82	615523.46	614243.82	32 41	29.843 N	103 57	43.147 W
3762.00	10.21	194.26	3758.71	-16.25	21.13	615508.95	614240.13	32 41	29.699 N	103 57	43.191 W
3857.00	12.32	193.55	3851.87	-34.27	16.68	615490.93	614235.68	32 41	29.521 N	103 57	43.244 W
3952.00	14.25	191.09	3944.32	-55.59	12.06	615469.61	614231.06	32 41	29.310 N	103 57	43.299 W
4047.00	16.19	188.98	4035.99	-80.15	7.74	615445.05	614226.74	32 41	29.068 N	103 57	43.350 W
4143.00	17.07	189.33	4127.97	-107.28	3.37	615417.92	614222.37	32 41	28.799 N	103 57	43.402 W
4228.00	17.54	189.02	4209.12	-132.24	-0.66	615392.96	614218.34	32 41	28.552 N	103 57	43.450 W
4238.00	17.60	188.98	4218.66	-135.22	-1.14	615389.98	614217.86	32 41	28.523 N	103 57	43.456 W
4333.00	19.00	188.98	4308.85	-164.68	-5.79	615360.52	614213.21	32 41	28.232 N	103 57	43.512 W
4428.00	20.41	190.74	4398.29	-196.24	-11.29	615328.96	614207.71	32 41	27.920 N	103 57	43.577 W
4523.00	20.76	194.61	4487.22	-228.80	-18.63	615296.40	614200.37	32 41	27.598 N	103 57	43.665 W
4619.00	20.76	198.48	4576.99	-261.41	-28.31	615263.79	614190.69	32 41	27.275 N	103 57	43.779 W
4714.00	20.06	201.99	4666.03	-292.48	-39.75	615232.72	614179.25	32 41	26.968 N	103 57	43.914 W
4809.00	20.76	198.48	4755.07	-323.56	-51.19	615201.64	614167.81	32 41	26.661 N	103 57	44.050 W
4904.00	20.41	196.72	4844.01	-355.39	-61.29	615169.81	614157.71	32 41	26.346 N	103 57	44.169 W
4999.00	20.59	191.44	4933.00	-387.63	-69.37	615137.57	614149.63	32 41	26.028 N	103 57	44.265 W
5095.00	20.06	190.39	5023.02	-420.37	-75.69	615104.83	614143.31	32 41	25.704 N	103 57	44.340 W
5190.00	20.94	194.26	5112.01	-452.86	-82.81	615072.34	614136.19	32 41	25.383 N	103 57	44.425 W

Pathfinder Energy

Survey Report - Geographic

Company: Edge Petroleum Corporation
Field: Turkey Track
Site: Section 3, T19-S, R30-E
Well: East Turkey Track 3 Federal #1
Wellpath: Original Hole

Date: 4/25/2006 **Time:** 10:44:13 **Page:** 2
Co-ordinate(NE) Reference: Well: East Turkey Track 3 Federal #1
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,191.83Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
5285.00	19.88	194.26	5201.04	-484.96	-90.97	615040.24	614128.03	32	41	25.065 N	103	57	44.522 W
5380.00	21.11	191.80	5290.03	-517.37	-98.45	615007.83	614120.55	32	41	24.745 N	103	57	44.610 W
5475.00	21.11	191.80	5378.66	-550.86	-105.44	614974.34	614113.56	32	41	24.414 N	103	57	44.694 W
5570.00	20.06	192.50	5467.59	-583.51	-112.47	614941.69	614106.53	32	41	24.091 N	103	57	44.777 W
5664.00	19.88	192.85	5555.94	-614.83	-119.51	614910.37	614099.49	32	41	23.781 N	103	57	44.861 W
5759.00	20.23	191.44	5645.18	-646.68	-126.36	614878.52	614092.64	32	41	23.466 N	103	57	44.942 W
5855.00	19.53	192.53	5735.46	-678.61	-133.14	614846.59	614085.86	32	41	23.150 N	103	57	45.023 W
5950.00	19.35	193.20	5825.04	-709.44	-140.17	614815.76	614078.83	32	41	22.846 N	103	57	45.107 W
6045.00	19.35	194.26	5914.67	-740.01	-147.65	614785.19	614071.35	32	41	22.543 N	103	57	45.195 W
6141.00	19.00	194.26	6005.35	-770.57	-155.41	614754.63	614063.59	32	41	22.241 N	103	57	45.287 W
6236.00	19.00	194.61	6095.17	-800.53	-163.12	614724.67	614055.88	32	41	21.945 N	103	57	45.379 W
6331.00	16.89	197.77	6185.55	-828.64	-171.24	614696.56	614047.76	32	41	21.667 N	103	57	45.475 W
6426.00	18.83	190.74	6275.98	-856.85	-178.31	614668.35	614040.69	32	41	21.388 N	103	57	45.559 W
6521.00	19.35	186.87	6365.75	-887.54	-183.05	614637.66	614035.95	32	41	21.085 N	103	57	45.616 W
6617.00	19.00	188.63	6456.43	-918.78	-187.29	614606.42	614031.71	32	41	20.776 N	103	57	45.666 W
6712.00	20.41	189.33	6545.86	-950.41	-192.30	614574.79	614026.70	32	41	20.463 N	103	57	45.726 W
6808.00	19.00	190.04	6636.24	-982.32	-197.74	614542.88	614021.26	32	41	20.147 N	103	57	45.791 W
6903.00	17.07	194.26	6726.57	-1011.07	-203.87	614514.13	614015.13	32	41	19.863 N	103	57	45.864 W
6997.00	17.60	198.12	6816.30	-1037.95	-211.69	614487.25	614007.31	32	41	19.597 N	103	57	45.957 W
7092.00	17.95	195.31	6906.77	-1065.72	-220.02	614459.48	613998.98	32	41	19.323 N	103	57	46.055 W
7188.00	19.00	192.15	6997.82	-1095.26	-227.22	614429.94	613991.78	32	41	19.031 N	103	57	46.141 W
7283.00	21.29	192.15	7087.01	-1127.25	-234.10	614397.95	613984.90	32	41	18.715 N	103	57	46.223 W
7378.00	20.41	187.58	7175.79	-1160.53	-239.92	614364.67	613979.08	32	41	18.385 N	103	57	46.292 W
7473.00	21.47	191.80	7264.52	-1193.97	-245.66	614331.23	613973.34	32	41	18.055 N	103	57	46.361 W
7574.00	20.23	197.42	7358.91	-1228.73	-254.67	614296.47	613964.33	32	41	17.711 N	103	57	46.468 W
7669.00	22.35	195.66	7447.43	-1261.80	-264.46	614263.40	613954.54	32	41	17.384 N	103	57	46.583 W
7764.00	21.99	195.31	7535.40	-1296.34	-274.03	614228.86	613944.97	32	41	17.043 N	103	57	46.697 W
7859.00	21.29	193.91	7623.71	-1330.24	-282.88	614194.96	613936.12	32	41	16.707 N	103	57	46.802 W
7954.00	20.59	191.44	7712.43	-1363.36	-290.34	614161.84	613928.66	32	41	16.380 N	103	57	46.890 W
8049.00	20.76	188.63	7801.32	-1396.38	-296.17	614128.82	613922.83	32	41	16.054 N	103	57	46.960 W
8145.00	19.35	185.47	7891.50	-1429.03	-300.24	614096.17	613918.76	32	41	15.731 N	103	57	47.009 W
8240.00	16.36	193.91	7981.93	-1457.70	-304.96	614067.50	613914.04	32	41	15.447 N	103	57	47.065 W
8335.00	18.83	192.50	8072.48	-1485.66	-311.50	614039.54	613907.50	32	41	15.171 N	103	57	47.143 W
8430.00	20.23	193.20	8162.01	-1516.62	-318.57	614008.58	613900.43	32	41	14.864 N	103	57	47.227 W
8525.00	19.00	191.09	8251.50	-1547.78	-325.29	613977.42	613893.71	32	41	14.556 N	103	57	47.307 W
8620.00	18.12	193.55	8341.55	-1577.32	-331.73	613947.88	613887.27	32	41	14.264 N	103	57	47.383 W
8716.00	20.23	192.85	8432.22	-1608.02	-338.92	613917.18	613880.08	32	41	13.961 N	103	57	47.469 W
8811.00	20.59	191.44	8521.26	-1640.41	-345.89	613884.79	613873.11	32	41	13.640 N	103	57	47.552 W
8906.00	20.06	189.33	8610.35	-1672.86	-351.84	613852.34	613867.16	32	41	13.319 N	103	57	47.623 W
9001.00	20.06	193.91	8699.59	-1704.75	-358.40	613820.45	613860.60	32	41	13.004 N	103	57	47.701 W
9097.00	18.12	192.50	8790.31	-1735.31	-365.59	613789.89	613853.41	32	41	12.702 N	103	57	47.786 W
9192.00	16.89	190.74	8880.90	-1763.29	-371.36	613761.91	613847.64	32	41	12.425 N	103	57	47.855 W
9287.00	18.65	196.01	8971.37	-1791.46	-378.12	613733.74	613840.88	32	41	12.147 N	103	57	47.935 W
9382.00	18.30	193.55	9061.48	-1820.56	-385.80	613704.64	613833.20	32	41	11.859 N	103	57	48.026 W
9478.00	16.72	192.85	9153.03	-1848.68	-392.41	613676.52	613826.59	32	41	11.581 N	103	57	48.105 W
9573.00	15.84	192.15	9244.22	-1874.67	-398.17	613650.53	613820.83	32	41	11.324 N	103	57	48.173 W
9669.00	15.31	191.09	9336.69	-1899.92	-403.37	613625.28	613815.63	32	41	11.074 N	103	57	48.235 W
9764.00	14.43	190.74	9428.51	-1923.86	-407.99	613601.34	613811.01	32	41	10.838 N	103	57	48.290 W
9860.00	13.37	191.09	9521.70	-1946.50	-412.35	613578.70	613806.65	32	41	10.614 N	103	57	48.342 W
9955.00	11.79	184.41	9614.42	-1966.96	-415.21	613558.24	613803.79	32	41	10.411 N	103	57	48.376 W
10051.00	11.44	183.01	9708.45	-1986.25	-416.47	613538.95	613802.53	32	41	10.221 N	103	57	48.392 W
10146.00	9.15	195.66	9801.93	-2002.93	-419.00	613522.27	613800.00	32	41	10.056 N	103	57	48.422 W

Pathfinder Energy

Survey Report - Geographic

Company: Edge Petroleum Corporation
Field: Turkey Track
Site: Section 3, T19-S, R30-E
Well: East Turkey Track 3 Federal #1
Wellpath: Original Hole

Date: 4/25/2006 **Time:** 10:44:13 **Page:** 3
Co-ordinate(NE) Reference: Well: East Turkey Track 3 Federal #1
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,191.83Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
10150.12	9.09	195.46	9806.00	-2003.56	-419.18	613521.64	613799.82	32	41	10.049 N	103	57	48.424 W
10241.00	7.74	190.24	9895.90	-2016.50	-422.18	613508.70	613796.82	32	41	9.921 N	103	57	48.460 W
10337.00	6.16	196.72	9991.19	-2027.80	-424.81	613497.40	613794.19	32	41	9.810 N	103	57	48.491 W
10432.00	5.63	184.76	10085.69	-2037.32	-426.66	613487.88	613792.34	32	41	9.716 N	103	57	48.513 W
10527.00	5.98	189.69	10180.21	-2046.84	-427.88	613478.36	613791.12	32	41	9.621 N	103	57	48.528 W
10620.00	6.33	192.85	10272.67	-2056.62	-429.84	613468.58	613789.16	32	41	9.525 N	103	57	48.551 W
10715.00	6.69	186.52	10367.06	-2067.22	-431.63	613457.98	613787.37	32	41	9.420 N	103	57	48.572 W
10811.00	6.51	186.52	10462.42	-2078.19	-432.88	613447.01	613786.12	32	41	9.311 N	103	57	48.587 W
10906.00	6.16	180.90	10556.84	-2088.63	-433.57	613436.57	613785.43	32	41	9.208 N	103	57	48.596 W
11002.00	7.39	178.79	10652.17	-2099.96	-433.52	613425.24	613785.48	32	41	9.096 N	103	57	48.596 W
11097.00	8.09	184.41	10746.31	-2112.73	-433.91	613412.47	613785.09	32	41	8.970 N	103	57	48.601 W
11193.00	9.68	183.01	10841.15	-2127.52	-434.85	613397.68	613784.15	32	41	8.823 N	103	57	48.613 W
11288.00	8.80	184.41	10934.92	-2142.75	-435.83	613382.45	613783.17	32	41	8.673 N	103	57	48.625 W
11383.00	8.27	184.06	11028.87	-2156.81	-436.87	613368.39	613782.13	32	41	8.534 N	103	57	48.637 W
11478.00	7.74	188.98	11122.94	-2169.94	-438.36	613355.26	613780.64	32	41	8.404 N	103	57	48.655 W
11574.00	7.04	190.74	11218.14	-2182.11	-440.46	613343.09	613778.54	32	41	8.283 N	103	57	48.680 W
11670.00	6.86	185.47	11313.44	-2193.59	-442.10	613331.61	613776.90	32	41	8.170 N	103	57	48.700 W
11760.00	6.51	185.12	11402.83	-2204.03	-443.07	613321.17	613775.93	32	41	8.067 N	103	57	48.712 W
11855.00	5.98	186.17	11497.26	-2214.31	-444.08	613310.89	613774.92	32	41	7.965 N	103	57	48.724 W
11948.00	5.63	193.20	11589.79	-2223.57	-445.65	613301.63	613773.35	32	41	7.873 N	103	57	48.743 W
12044.00	7.21	195.66	11685.18	-2233.95	-448.35	613291.25	613770.65	32	41	7.771 N	103	57	48.775 W
12140.00	7.04	195.66	11780.44	-2245.42	-451.56	613279.78	613767.44	32	41	7.657 N	103	57	48.813 W
12235.00	6.16	196.37	11874.81	-2255.91	-454.57	613269.29	613764.43	32	41	7.553 N	103	57	48.848 W

Targets

Name	Description Dip, Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
Target #1		9806.00	-1984.36	-423.53	613540.84	613795.47	32	41	10.240 N	103	57	48.474 W
E Turkey Track 3 Fed #1 PBHL 1		12200.00	-2298.84	-454.09	613226.36	613764.91	32	41	7.129 N	103	57	48.845 W

Annotation

MD ft	TVD ft	
3300.00	3299.15	KOP @ 3300' w/2° Build Rates
4228.00	4209.12	End of build @ 4228' MD 4212' TVD
12235.00	11874.81	Pathfinder MWD Surveys

Edge Petroleum Operating Company, Inc.

PATHFINDER

East Turkey Track 3 Federal #1

Section 3, T19-S, R30-E

Eddy County, New Mexico

Plan #4 3-10-06

Final Surveys

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
East Turkey Track 3 Federal #1	0.00	0.00	615525.20	614219.00	32°41'29.861N	103°57'43.437W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Target #1	9806.00	-1984.36	-423.53	613540.84	613795.47	Point
E Turkey Track 3 Fed #1 PBHL 1	12200.00	-2298.84	-454.09	613226.36	613764.91	Point

Survey: Pathfinder MWD Survey (East Turkey Track 3 Federal #1 Original Hole)											
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLg	TFace	VSec		
1	3337.00	0.55	296.39	3326.15	22.90	33.99	0.00	0.00	-28.50		
2	3381.00	1.58	217.65	3380.14	21.53	33.38	2.92	-100.47	-27.90		
3	3476.00	3.47	201.99	3475.02	17.52	31.29	2.51	-25.64	-23.56		
4	3571.00	6.33	200.23	3569.64	9.63	28.28	2.39	-4.52	-15.23		
5	3667.00	7.92	194.26	3664.90	1.74	24.82	1.82	-27.95	-3.38		
6	3762.00	10.21	194.26	3758.71	-16.25	21.13	2.41	0.00	11.57		
7	3857.00	12.32	193.55	3851.87	-34.27	16.68	2.23	-4.11	30.12		
8	3952.00	14.32	191.09	3944.32	-55.59	12.06	2.12	-17.53	51.94		
9	4047.00	16.19	188.98	4035.99	-80.15	7.74	2.12	-16.96	76.86		
10	4143.00	17.07	189.33	4127.97	-107.28	3.37	0.92	6.66	104.31		
11	4238.00	17.60	188.98	4218.66	-135.22	-1.14	0.57	-11.30	132.58		
12	4333.00	19.00	188.98	4308.85	-164.58	-5.79	1.47	0.00	162.37		
13	4428.00	20.41	190.74	4398.29	-196.24	-11.29	1.61	23.66	194.38		
14	4523.00	20.76	194.61	4487.22	-228.80	-18.63	1.48	77.39	227.76		
15	4619.00	20.76	198.48	4576.99	-261.41	-28.31	1.43	91.81	261.66		
16	4714.00	20.96	201.99	4666.03	-292.48	-39.75	1.48	121.40	294.42		
17	4809.00	20.76	198.48	4755.07	-323.56	-51.19	1.48	-61.89	327.18		
18	4904.00	20.41	196.72	4844.01	-355.39	-61.29	0.75	-120.31	360.41		
19	4999.00	20.59	191.44	4933.00	-387.63	-69.37	1.95	-48.92	393.62		
20	5095.00	20.96	190.39	5023.02	-420.37	-75.69	0.67	-143.96	426.96		
21	5190.00	20.94	194.26	5112.01	-452.86	-82.81	1.70	-58.83	460.21		
22	5285.00	19.88	194.26	5201.04	-484.96	-90.97	1.12	180.00	493.31		
23	5380.00	21.11	191.80	5290.03	-517.17	-98.45	1.58	-36.16	526.56		
24	5475.00	21.11	191.80	5378.66	-550.66	-105.44	0.00	180.00	560.77		
25	5570.00	20.96	192.50	5467.59	-583.51	-112.47	1.14	167.14	594.18		
26	5664.00	19.88	192.55	5555.94	-614.83	-119.51	0.23	146.58	626.28		
27	5759.00	20.23	191.44	5645.18	-646.68	-126.38	0.44	-54.76	658.85		
28	5855.00	19.53	192.53	5735.46	-678.61	-133.14	0.83	152.61	691.49		
29	5950.00	19.35	193.20	5825.04	-709.44	-140.17	0.20	129.23	723.11		
30	6045.00	19.15	194.26	5914.67	-740.01	-147.63	0.37	90.50	754.56		
31	6141.00	19.00	194.26	6003.35	-770.57	-155.41	0.36	180.00	786.07		
32	6236.00	19.00	194.61	6095.17	-800.53	-163.12	0.12	90.17	818.96		
33	6331.00	16.89	197.77	6185.55	-832.64	-171.24	2.45	156.73	846.14		
34	6426.00	18.81	190.74	6275.98	-864.85	-178.31	3.05	-51.40	875.20		
35	6521.00	19.35	186.87	6365.75	-897.54	-183.05	1.44	-69.50	906.21		
36	6617.00	19.00	188.63	6456.43	-918.78	-187.29	0.70	122.02	937.66		
37	6712.00	20.41	189.33	6545.86	-950.41	-192.30	1.50	9.83	969.65		
38	6808.00	19.60	190.04	6635.24	-982.32	-197.74	1.49	170.70	1001.99		
39	6903.00	17.07	194.26	6726.57	-1011.07	-203.87	2.45	147.90	1031.39		
40	6997.00	17.60	198.12	6816.30	-1037.95	-211.69	1.35	67.11	1055.30		
41	7092.00	17.95	193.31	6906.77	-1065.72	-220.02	0.98	-69.15	1088.19		
42	7188.00	19.40	192.15	6997.82	-1095.26	-227.22	1.51	-45.15	1121.38		
43	7283.00	21.29	192.15	7087.01	-1127.25	-234.10	2.41	0.00	1151.30		
44	7378.00	20.41	187.58	7175.79	-1160.53	-239.92	1.95	-120.54	1183.06		
45	7473.00	21.47	191.80	7266.52	-1193.97	-245.66	1.94	56.88	1218.97		
46	7574.00	20.23	197.42	7358.91	-1228.73	-254.67	2.33	124.40	1254.84		
47	7669.00	22.35	195.66	7447.43	-1261.80	-264.46	2.33	-17.60	1289.21		
48	7764.00	21.99	195.31	7535.40	-1296.34	-274.03	0.40	-180.02	1324.99		
49	7859.00	21.29	193.91	7623.71	-1330.24	-282.88	0.92	-44.16	1359.98		
50	7954.00	20.59	191.44	7712.43	-1363.36	-290.34	1.19	-129.56	1393.92		
51	8049.00	20.76	188.63	7801.32	-1396.38	-296.17	1.06	-81.59	1427.44		
52	8145.00	19.35	185.47	7891.50	-1429.93	-300.24	1.85	-143.93	1460.23		
53	8240.00	16.56	193.91	7981.93	-1457.70	-304.96	4.15	143.09	1493.26		
54	8335.00	18.83	192.50	8072.48	-1485.66	-311.50	2.64	-10.46	1527.96		
55	8430.00	20.23	193.20	8162.01	-1516.62	-318.57	1.49	9.82	1549.71		

Survey: Pathfinder MWD Survey (East Turkey Track 3 Federal #1 Original Hole)											
No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLg	TFace	VSec		
56	8525.00	19.00	191.09	8251.50	-1547.78	-323.29	1.40	-151.05	1581.60		
57	8620.00	18.12	193.55	8341.55	-1577.32	-331.73	1.24	139.50	1611.83		
58	8716.00	20.23	192.85	8432.22	-1608.02	-338.92	2.21	-65.55	1643.35		
59	8811.00	20.59	191.44	8521.26	-1640.41	-345.89	0.64	-54.45	1676.48		
60	8906.00	20.06	189.33	8610.35	-1672.86	-351.84	0.95	-126.86	1709.46		
61	9001.00	20.06	193.91	8699.59	-1704.75	-358.40	1.65	92.15	1742.02		
62	9097.00	18.12	192.50	8790.31	-1735.31	-365.59	2.08	-167.29	1773.40		
63	9192.00	16.89	190.74	8880.90	-1765.29	-371.56	1.41	-137.55	1801.57		
64	9287.00	18.65	196.01	8971.37	-1791.46	-378.12	2.51	-44.95	1830.53		
65	9382.00	18.30	193.55	9061.48	-1820.56	-385.80	0.90	-115.34	1860.98		
66	9478.00	16.72	192.85	9153.03	-1848.68	-392.41	1.66	-172.74	1889.86		
67	9573.00	15.84	192.15	9244.22	-1874.67	-398.17	0.95	-167.76	1916.49		
68	9669.00	15.31	191.09	9336.69	-1899.92	-403.37	0.63	-152.77	1942.26		
69	9764.00	14.43	190.74	9428.51	-1923.86	-407.99	0.93	-174.34	1966.64		
70	9860.00	13.37	191.09	9521.70	-1946.50	-412.35	1.11	175.63	1989.70		
71	9955.00	11.79	184.41	9614.42	-1966.96	-415.21	2.26	-140.59	2010.31		
72	10051.00	11.44	183.01	9708.45	-1986.25	-416.47	0.47	-141.84	2029.44		
73	10146.00	9.14	195.66	9801.93	-2002.93	-419.06	3.37	141.47	2046.29		
74	10241.00	7.74	190.24	9895.90	-2016.50	-422.18	1.70	-132.22	2060.22		
75	10337.00	6.16	196.72	9991.19	-2027.80	-424.81	1.83	156.80	2071.82		
76	10433.00	5.63	184.76	10083.69	-2037.32	-426.66	1.40	-119.21	2081.52		
77	10529.00	5.98	189.69	10180.21	-2046.84	-427.88	0.64	57.40	2091.09		
78	10625.00	6.33	192.85	10272.67	-2056.62	-429.84	0.52	-45.65	2101.06		
79	10721.00	6.69	186.52	10367.06	-2067.22	-431.63	0.84	-66.53	2111.80		
80	10817.00	6.51	186.52	10462.42	-2078.19	-433.48	0.19	180.00	2122.79		
81	10913.00	6.16	180.90	10556.84	-2088.63	-435.57	0.75	-122.21	2133.16		
82	11009.00	7.39	178.79	10652.17	-2099.96	-437.52	1.31	-12.49	2144.23		
83	11105.00	8.09	184.41	10746.31	-2112.73	-439.91	1.08	50.04	2155.81		
84	11201.00	6.68	183.01	10841.15	-2127.52	-443.85	1.67	-84.44	2167.48		
85	11297.00	8.80	184.41	10934.92	-2142.75	-445.83	0.96	166.56	2178.58		
86	11393.00	8.27	184.06	11028.87	-2156.81	-436.87	0.56	-174.58	2200.56		
87	11478.00	7.74	188.98	11122.94	-2169.94	-438.36	0.91	130.14	2213.72		
88	11574.00	7.04	190.74	11218.14	-2182.11	-440.46	0.77	163.95	2226.06		
89	11670.00	6.86	185.47	11313.44	-2195.59	-442.10	0.69	-108.37	2237.64		
90	11766.00	6.51	185.12	11402.83	-2204.03	-443.07	0.39	-173.53	2248.05		
91	11855.00	5.98	186.17	11497.25	-2214.31	-444.08	0.57	168.36	2258.32		
92	11948.00	5.63	192.20	11589.79	-2223.57	-445.65	0.83	199.68	2267.70		
93	12044.00	7.21	195.66	11685.18	-2233.95	-446.35	1.67	11.10	2278.42		
94	12140.00	7.04	195.66	11780.44	-2243.42	-447.56	0.18	180.00	2290.30		
95	12235.00	6.16	196.37	11874.81	-2253.91	-454.57	0.93	175.05	2301.19		