



Scientific Drilling

E.O.G.

Field: Cottonwood Creek
Site: Eddy County, NM
Well: Yellow B 7 Fee #2H
Wellpath: VII - Job #32K0406279
Survey: 04/07/06

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MAY 26 2006

WU-ATGIA

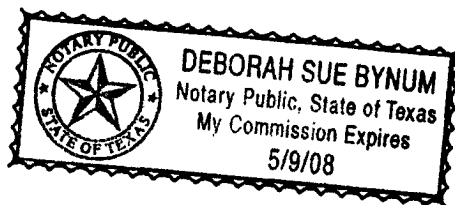
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Deborah Sue Bynum*.....Company Representative

Notorized this date 15th of May, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: E.O.G.	Date: 05/14/2006	Time: 20:18:06	Page: 1
Field: Cottonwood Creek	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Yellow B 7 Fee #2H	Section (VS) Reference:	Well (0.00N,0.00E,270.00Azi)	
Wellpath: VH - Job #32K0406279	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 04/07/06	Start Date: 04/07/2006
Company: Scientific Drilling Internatio	Engineer: Guebara w/P&M
Tool: Keeper;Keeper Surface Readout Gyro	Tied-to: From Surface

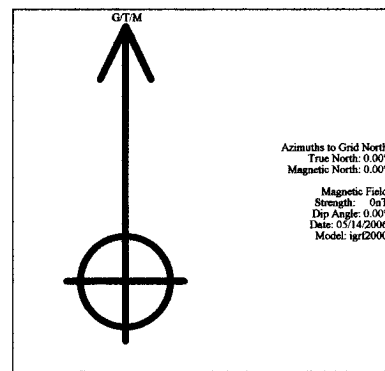
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.82	310.72	100.00	0.54	0.47	-0.54	0.82	0.71	310.72
200.00	0.66	321.37	199.99	1.44	1.38	-1.44	0.21	1.99	313.76
300.00	1.02	325.04	299.98	2.31	2.56	-2.31	0.37	3.45	317.92
400.00	1.10	314.76	399.96	3.50	3.96	-3.50	0.21	5.29	318.54
500.00	1.17	316.04	499.94	4.89	5.37	-4.89	0.07	7.27	317.69
600.00	0.68	302.56	599.93	6.10	6.43	-6.10	0.53	8.86	316.50
700.00	0.58	318.41	699.92	6.93	7.12	-6.93	0.20	9.94	315.78
800.00	0.31	335.96	799.92	7.38	7.75	-7.38	0.30	10.70	316.40
900.00	0.41	306.43	899.92	7.77	8.21	-7.77	0.21	11.31	316.55
1000.00	0.43	289.03	999.91	8.42	8.54	-8.42	0.13	11.99	315.42
1100.00	0.72	282.05	1099.91	9.39	8.80	-9.39	0.30	12.87	313.13
1200.00	0.74	270.48	1199.90	10.65	8.93	-10.65	0.15	13.90	309.99
1300.00	0.62	282.02	1299.89	11.83	9.05	-11.83	0.18	14.89	307.43
1400.00	0.83	272.26	1399.89	13.08	9.19	-13.08	0.24	15.99	305.10
1500.00	0.77	276.54	1499.88	14.47	9.30	-14.47	0.08	17.20	302.72
1600.00	0.73	294.71	1599.87	15.72	9.64	-15.72	0.24	18.44	301.53
1700.00	0.65	287.52	1699.86	16.83	10.08	-16.83	0.12	19.62	300.91
1800.00	0.52	305.94	1799.86	17.74	10.51	-17.74	0.23	20.62	300.65
1900.00	0.52	338.38	1899.85	18.27	11.20	-18.27	0.29	21.43	301.51
2000.00	0.48	351.73	1999.85	18.50	12.04	-18.50	0.12	22.07	303.05
2100.00	0.40	350.52	2099.84	18.62	12.79	-18.62	0.08	22.59	304.50
2200.00	0.24	18.02	2199.84	18.61	13.34	-18.61	0.22	22.90	305.63
2300.00	0.22	41.41	2299.84	18.42	13.68	-18.42	0.10	22.94	306.60
2400.00	0.23	37.51	2399.84	18.17	13.98	-18.17	0.02	22.93	307.58
2500.00	0.14	72.37	2499.84	17.93	14.18	-17.93	0.14	22.86	308.33
2600.00	0.17	74.11	2599.84	17.67	14.26	-17.67	0.03	22.71	308.89
2700.00	0.32	68.54	2699.84	17.27	14.40	-17.27	0.15	22.48	309.83
2800.00	0.37	92.66	2799.84	16.68	14.49	-16.68	0.15	22.10	310.97
2900.00	0.50	77.28	2899.84	15.94	14.57	-15.94	0.17	21.59	312.43
3000.00	0.40	82.64	2999.83	15.16	14.71	-15.16	0.10	21.12	314.13
3100.00	0.77	76.76	3099.83	14.16	14.91	-14.16	0.37	20.56	316.47
3200.00	0.71	83.58	3199.82	12.89	15.13	-12.89	0.11	19.88	319.57
3300.00	0.77	83.18	3299.81	11.61	15.28	-11.61	0.06	19.19	322.78
3400.00	1.02	83.70	3399.80	10.05	15.46	-10.05	0.25	18.44	326.96
3500.00	0.92	82.54	3499.78	8.37	15.66	-8.37	0.10	17.76	331.86
3600.00	1.13	84.23	3599.77	6.60	15.86	-6.60	0.21	17.18	337.42
3700.00	1.41	80.51	3699.74	4.40	16.16	-4.40	0.29	16.75	344.77
3800.00	1.41	84.68	3799.71	1.96	16.48	-1.96	0.10	16.60	353.20
3900.00	1.23	91.87	3899.69	-0.33	16.56	0.33	0.24	16.56	1.15
4000.00	1.58	93.31	3999.66	-2.78	16.45	2.78	0.35	16.68	9.59
4050.00	1.92	88.09	4049.63	-4.30	16.43	4.30	0.76	16.99	14.67

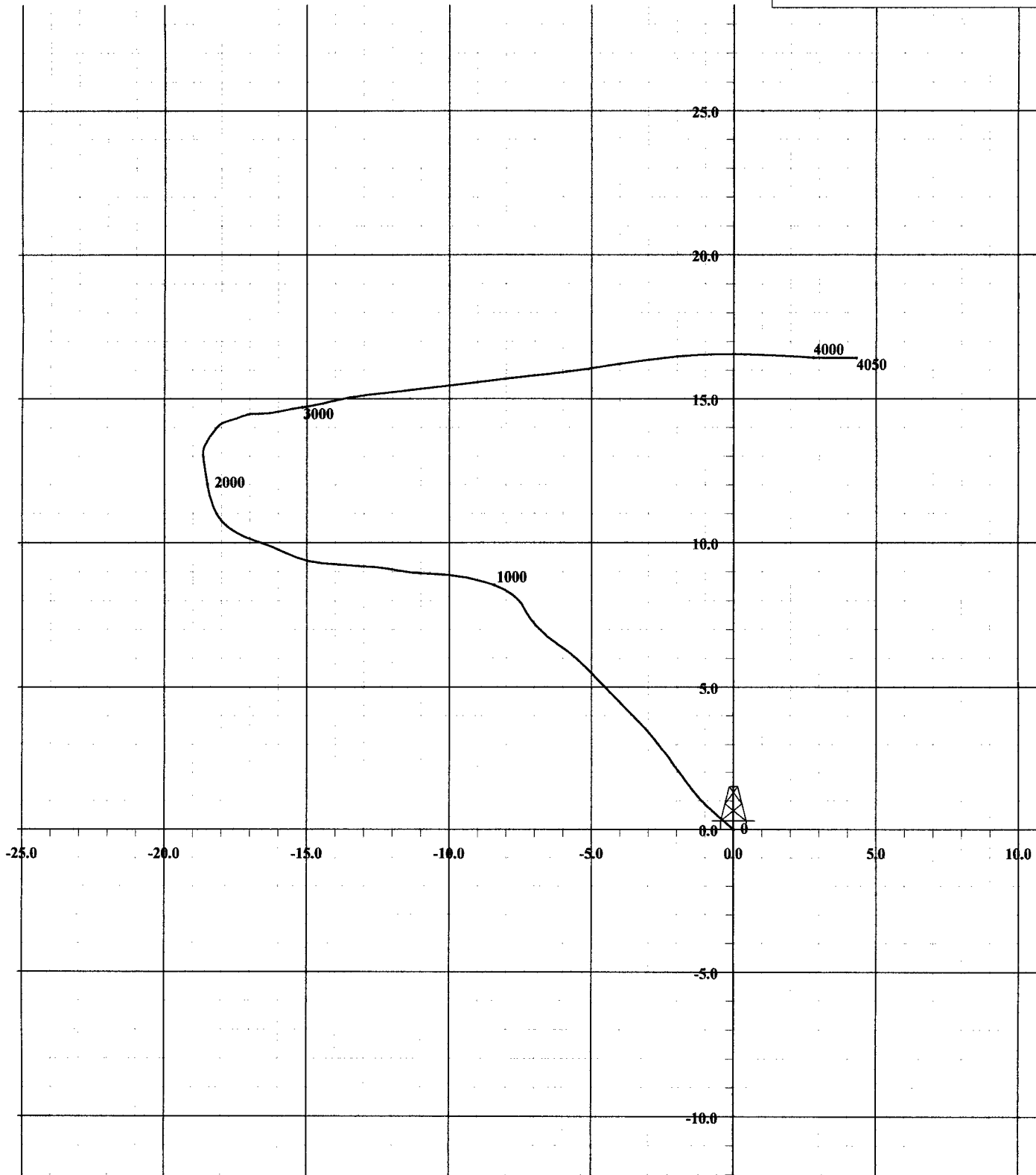


Scientific
Drilling

Field: Cottonwood Creek
Site: Eddy County, NM
Well: Yellow B 7 Fee #2H
Wellpath: VH - Job #32K0406279
Survey: 04/07/06



South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]

Pathfinder Energy

Survey Report - Geographic

Company: EOG Resources	Date: 4/21/2006	Time: 08:46:21	Page: 1
Field: JW #3	Co-ordinate(NE) Reference:	Site: Yellow B 7 FEE No. #2-H, Grid Nort	
Site: Yellow B 7 FEE No. #2-H	Vertical (TVD) Reference:	System: Mean Sea Level	
Well: Yellow B 7 FEE No.2-H	Section (VS) Reference:	Well (0.00N,0.00E,270.00Azi)	
Wellpath: Original Hole	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Field: JW #3

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: Site Centre
Geomagnetic Model: igrf2005

Site: Yellow B 7 FEE No. #2-H
 Eddy County, NM
 Section 7; T16S; R25E; N.M.P.M

Site Position:	Northing: 702977.30 ft	Latitude: 32 55 56.726 N	
From: Map	Easting: 443368.50 ft	Longitude: 104 31 4.479 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3530.30 ft		Grid Convergence: -0.10 deg	

Well: Yellow B 7 FEE No.2-H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 702977.30 ft	Latitude: 32 55 56.726 N	
+E/-W 0.00 ft	Easting : 443368.50 ft	Longitude: 104 31 4.479 W	
Position Uncertainty: 0.00 ft			

Wellpath: Original Hole

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 8.68 deg
Mag Dip Angle: 60.80 deg

Current Datum: Mean Sea Level **Height** 0.00 ft
Magnetic Data: 4/5/2006
Field Strength: 49495 nT
Vertical Section: Depth From (TVD) +N/-S
 ft ft
 0.00 0.00

Survey: Pathfinder MWD Survey

Start Date: 4/11/2006

Company: PathFinder Energy Services
Tool:

Engineer:
Tied-to: From: Gyro Survey

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
4000.00	1.58	93.31	3999.66	16.46	2.76	702993.76	443371.26	32 55	56.889 N	104 31	4.447 W
4050.00	1.92	88.09	4049.63	16.45	4.29	702993.75	443372.79	32 55	56.889 N	104 31	4.429 W
4151.00	2.73	86.48	4150.55	16.65	8.38	702993.95	443376.88	32 55	56.891 N	104 31	4.381 W
4175.00	1.61	71.80	4174.53	16.79	9.27	702994.09	443377.77	32 55	56.892 N	104 31	4.370 W
4175.47	1.59	71.31	4175.00	16.79	9.28	702994.09	443377.78	32 55	56.892 N	104 31	4.370 W
4182.00	1.32	63.01	4181.53	16.86	9.44	702994.16	443377.94	32 55	56.893 N	104 31	4.369 W
4213.00	3.96	303.39	4212.51	17.61	8.86	702994.91	443377.36	32 55	56.900 N	104 31	4.375 W
4245.00	8.35	289.24	4244.31	18.98	5.74	702996.28	443374.24	32 55	56.914 N	104 31	4.412 W
4277.00	12.93	282.56	4275.76	20.53	0.05	702997.83	443368.55	32 55	56.929 N	104 31	4.479 W
4308.00	16.44	279.57	4305.74	22.01	-7.66	702999.31	443360.84	32 55	56.943 N	104 31	4.569 W
4340.00	20.31	278.52	4336.10	23.59	-17.62	703000.89	443350.88	32 55	56.959 N	104 31	4.686 W
4371.00	23.30	276.41	4364.88	25.07	-29.04	703002.37	443339.46	32 55	56.973 N	104 31	4.820 W
4403.00	25.76	274.12	4393.99	26.28	-42.27	703003.58	443326.23	32 55	56.985 N	104 31	4.975 W
4434.00	28.05	273.51	4421.64	27.21	-56.26	703004.51	443312.24	32 55	56.994 N	104 31	5.140 W
4465.00	30.07	273.57	4448.73	28.14	-71.29	703005.44	443297.21	32 55	57.003 N	104 31	5.316 W
4497.00	32.62	272.92	4476.06	29.08	-87.91	703006.38	443280.59	32 55	57.012 N	104 31	5.511 W
4527.00	35.39	272.19	4500.93	29.82	-104.67	703007.12	443263.83	32 55	57.019 N	104 31	5.708 W
4559.00	39.39	271.66	4526.35	30.47	-124.09	703007.77	443244.41	32 55	57.025 N	104 31	5.935 W
4591.00	42.91	270.61	4550.44	30.88	-145.13	703008.18	443223.37	32 55	57.029 N	104 31	6.182 W
4622.00	46.52	270.43	4572.46	31.08	-166.94	703008.38	443201.56	32 55	57.030 N	104 31	6.438 W
4654.00	50.21	270.17	4593.72	31.20	-190.85	703008.50	443177.65	32 55	57.031 N	104 31	6.719 W
4685.00	53.90	270.34	4612.78	31.31	-215.30	703008.61	443153.20	32 55	57.032 N	104 31	7.006 W
4716.00	57.68	270.87	4630.20	31.58	-240.93	703008.88	443127.57	32 55	57.034 N	104 31	7.306 W