

District I
1625 N. Francis Dr., Santa Fe, NM 87505
District II
1301 W. Granada Blvd., Santa Fe, NM 87505
District III
1000 Rio Blvd., Santa Fe, NM 87505
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-402
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35470	Pool Code 97489	Pool Name WILDCAT; WOLFCAMP (Gas)
Property Code 36365	Property Name LENA "C" 6 FEE	Well Number 2H
GRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3383'

Surface Location

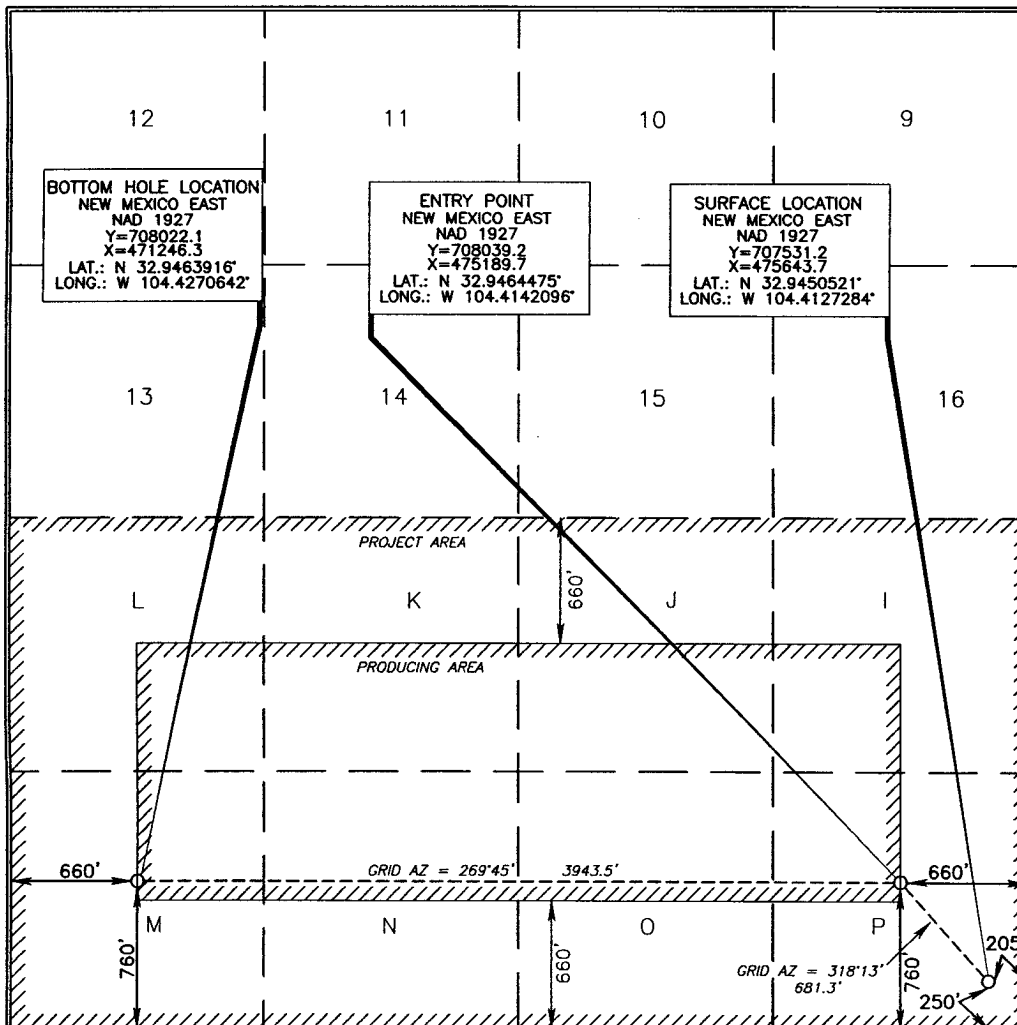
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	6	16 SOUTH	26 EAST, N.M.P.M.		250'	SOUTH	205'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	6	16 SOUTH	26 EAST, N.M.P.M.		760'	SOUTH	660'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
317.43			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Donny G. Glanton 3/5/07
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 06, 2006
Date of Survey

Signature and Seal of Professional Surveyor

Terry G. Carl 2/20/07
Certificate Number 15079

WO# 061206WL-k (JL)

Permit Information:

Well Name: Lena C 6 Fee #2H

Location:

SL 250' FSL & 205' FEL, Section 6, T-16-S, R-26-E, Eddy Co., N.M.

BHL 760' FSL & 660' FWL, Section 6, T-16-S, R-26-E, Eddy Co., N.M.

**Casing Program:**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,425'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,251'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
0 - 1,425'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,251'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,425'	Fresh - Gel	8.6-8.8	28-34	N/c
1,000' - 4,600'	Cut Brine	8.8-9.2	28-34	N/c
4,600' - 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,225' - 9,251'	Polymer (Lateral)	9.0-9.4	40-45	10-20



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

February 28, 2007



State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Lena C 6 Fee #2H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H₂S bearing formations during drilling operations.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason LaGrega".

Jason LaGrega
Drilling Engineer

Pathfinder Energy Planning Report

Company: EOG Resources			Date: 3/2/2007			Time: 14:35:21			Page: 1		
Field: Lena C 6 Fee #2H			Co-ordinate(N/E) Reference: Lena C 6 Fee #2H, Grid North								
Site: Lena C 6 Fee #2H			Vertical (TVD) Reference: SITE 0.0								
Well: Lena C 6 Fee #2H			Section (VS) Reference: Well (0.00N,0.00E,276.37Azi)								
Wellpath: OH			Plan:			Plan #1 3-2-07					
Field: Lena C 6 Fee #2H											
Map System: US State Plane Coordinate System 1927						Map Zone: New Mexico, Eastern Zone					
Geo Datum: NAD27 (Clarke 1866)						Coordinate System: Site Centre					
Sys Datum: Mean Sea Level						Geomagnetic Model: igrf2005					
Site: Lena C 6 Fee #2H											
Site Position:			Northing: 707531.20 ft			Latitude: 32 56 42.188 N					
From: Map			Easting: 475643.70 ft			Longitude: 104 24 45.822 W					
Position Uncertainty: 0.00 ft						North Reference: Grid					
Ground Level: 3383.00 ft						Grid Convergence: -0.04 deg					
Well: Lena C 6 Fee #2H											
Well Position: +N/-S 0.00 ft						Slot Name:					
+E/-W 0.00 ft											
Position Uncertainty: 0.00 ft											
Northing: 707531.20 ft						Latitude: 32 56 42.188 N					
Easting: 475643.70 ft						Longitude: 104 24 45.822 W					
Wellpath: OH											
Current Datum: SITE						Drilled From: Surface					
Magnetic Data: 3/2/2007						Tie-on Depth: 0.00 ft					
Field Strength: 49429 nT						Above System Datum: Mean Sea Level					
Vertical Section: Depth From (TVD)						Declination: 8.53 deg					
ft						Mag Dip Angle: 60.82 deg					
+N/-S ft						+E/-W ft					
Direction deg											
4933.00						0.00					
0.00						0.00					
276.37											
Plan: Plan #1 3-2-07											
Principal: No						Date Composed: 3/2/2007					
						Version: 1					
						Tied-to: From Surface					
Plan Section Information											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4225.00	0.00	0.00	4225.00	0.00	0.00	0.00	0.00	0.00	0.00		
5319.97	81.00	310.00	4990.00	419.98	-500.51	7.40	7.40	0.00	310.00		
5688.68	90.00	272.00	5020.00	548.42	-837.27	10.55	2.44	-10.31	281.32		
6721.68	90.00	268.58	5020.00	553.65	-1870.10	0.33	0.00	-0.33	270.00		
6788.25	92.00	268.58	5018.84	552.00	-1936.64	3.00	3.00	0.00	-0.07		
9251.15	92.00	268.58	4933.00	490.90	-4397.28	0.00	0.00	0.00	0.00		
9251.27	92.00	268.58	4933.00	490.90	-4397.40	3.00	2.28	1.96	40.67	PBHL	
Survey											
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	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00		
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00		
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00		
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00		
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00		
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00		
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00		
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00		
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00		
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00</					

Pathfinder Energy

Planning Report

Company: EOG Resources Field: Lena C 6 Fee #2H Site: Lena C 6 Fee #2H Well: Lena C 6 Fee #2H Wellpath: OH	Date: 3/2/2007 Time: 14:35:21 Page: 2 Co-ordinate(N/E) Reference: Lena C 6 Fee #2H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,276.37Azi) Plan: Plan #1 3-2-07
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Survey

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
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4225.00	0.00	0.00	4225.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4225' MD/TVD
4300.00	5.55	310.00	4299.88	2.33	-2.78	3.02	7.40	7.40	0.00	
4400.00	12.95	310.00	4398.51	12.65	-15.08	16.39	7.40	7.40	0.00	
4500.00	20.34	310.00	4494.26	31.05	-37.01	40.22	7.40	7.40	0.00	
4600.00	27.74	310.00	4585.52	57.22	-68.19	74.12	7.40	7.40	0.00	
4700.00	35.14	310.00	4670.78	90.73	-108.12	117.52	7.40	7.40	0.00	
4800.00	42.54	310.00	4748.62	131.01	-156.13	169.70	7.40	7.40	0.00	
4900.00	49.93	310.00	4817.74	177.39	-211.41	229.79	7.40	7.40	0.00	
5000.00	57.33	310.00	4877.00	229.12	-273.05	296.78	7.40	7.40	0.00	
5100.00	64.73	310.00	4925.40	285.31	-340.02	369.58	7.40	7.40	0.00	
5200.00	72.12	310.00	4962.15	345.05	-411.21	446.95	7.40	7.40	0.00	
5300.00	79.52	310.00	4986.62	407.33	-485.43	527.63	7.40	7.40	0.00	
5319.97	81.00	310.00	4990.00	419.98	-500.51	544.02	7.40	7.40	0.00	
5400.00	82.75	301.66	5001.33	466.30	-564.69	612.94	10.55	2.18	-10.43	
5500.00	85.13	291.32	5011.92	510.57	-653.57	706.18	10.55	2.39	-10.33	
5600.00	87.68	281.06	5018.20	538.35	-749.28	804.38	10.55	2.54	-10.26	
5688.68	90.00	272.00	5020.00	548.42	-837.27	892.94	10.55	2.62	-10.22	EOC @ 5688' MD/ 5020' TVD
5700.00	90.00	271.96	5020.00	548.82	-848.58	904.23	0.33	0.00	-0.33	
5800.00	90.00	271.63	5020.00	551.95	-948.53	1003.91	0.33	0.00	-0.33	
5900.00	90.00	271.30	5020.00	554.51	-1048.50	1103.55	0.33	0.00	-0.33	
6000.00	90.00	270.97	5020.00	556.49	-1148.48	1203.13	0.33	0.00	-0.33	
6100.00	90.00	270.64	5020.00	557.89	-1248.47	1302.66	0.33	0.00	-0.33	
6200.00	90.00	270.31	5020.00	558.72	-1348.47	1402.13	0.33	0.00	-0.33	
6300.00	90.00	269.98	5020.00	558.96	-1448.47	1501.54	0.33	0.00	-0.33	

Pathfinder Energy

Planning Report

Company: EOG Resources
 Field: Lena C 6 Fee #2H
 Site: Lena C 6 Fee #2H
 Well: Lena C 6 Fee #2H
 Wellpath: OH

Date: 3/2/2007 Time: 14:35:21 Page: 3
 Co-ordinate(N/E) Reference: Lena C 6 Fee #2H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,276.37Azi)
 Plan: Plan #1 3-2-07

Survey

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
6400.00	90.00	269.64	5020.00	558.63	-1548.47	1600.88	0.33	0.00	-0.33	
6500.00	90.00	269.31	5020.00	557.73	-1648.46	1700.16	0.33	0.00	-0.33	
6600.00	90.00	268.98	5020.00	556.24	-1748.45	1799.37	0.33	0.00	-0.33	
6700.00	90.00	268.65	5020.00	554.18	-1848.43	1898.50	0.33	0.00	-0.33	
6721.68	90.00	268.58	5020.00	553.65	-1870.10	1919.98	0.33	0.00	-0.33	End Turn @ 6721' MD, 268
6788.25	92.00	268.58	5018.84	552.00	-1936.64	1985.93	3.00	3.00	0.00	End Build @ 6788' MD
6800.00	92.00	268.58	5018.43	551.71	-1948.38	1997.56	0.00	0.00	0.00	
6900.00	92.00	268.58	5014.95	549.23	-2048.29	2096.57	0.00	0.00	0.00	
7000.00	92.00	268.58	5011.46	546.75	-2148.19	2195.59	0.00	0.00	0.00	
7100.00	92.00	268.58	5007.97	544.27	-2248.10	2294.61	0.00	0.00	0.00	
7200.00	92.00	268.58	5004.49	541.79	-2348.01	2393.62	0.00	0.00	0.00	
7300.00	92.00	268.58	5001.00	539.31	-2447.92	2492.64	0.00	0.00	0.00	
7400.00	92.00	268.58	4997.52	536.83	-2547.83	2591.66	0.00	0.00	0.00	
7500.00	92.00	268.58	4994.03	534.34	-2647.74	2690.67	0.00	0.00	0.00	
7600.00	92.00	268.58	4990.55	531.86	-2747.64	2789.69	0.00	0.00	0.00	
7700.00	92.00	268.58	4987.06	529.38	-2847.55	2888.71	0.00	0.00	0.00	
7800.00	92.00	268.58	4983.58	526.90	-2947.46	2987.72	0.00	0.00	0.00	
7900.00	92.00	268.58	4980.09	524.42	-3047.37	3086.74	0.00	0.00	0.00	
8000.00	92.00	268.58	4976.61	521.94	-3147.28	3185.76	0.00	0.00	0.00	
8100.00	92.00	268.58	4973.12	519.46	-3247.19	3284.77	0.00	0.00	0.00	
8200.00	92.00	268.58	4969.64	516.98	-3347.10	3383.79	0.00	0.00	0.00	
8300.00	92.00	268.58	4966.15	514.50	-3447.00	3482.81	0.00	0.00	0.00	
8400.00	92.00	268.58	4962.67	512.02	-3546.91	3581.82	0.00	0.00	0.00	
8500.00	92.00	268.58	4959.18	509.54	-3646.82	3680.84	0.00	0.00	0.00	
8600.00	92.00	268.58	4955.70	507.06	-3746.73	3779.85	0.00	0.00	0.00	
8700.00	92.00	268.58	4952.21	504.58	-3846.64	3878.87	0.00	0.00	0.00	
8800.00	92.00	268.58	4948.73	502.09	-3946.55	3977.89	0.00	0.00	0.00	
8900.00	92.00	268.58	4945.24	499.61	-4046.45	4076.90	0.00	0.00	0.00	
9000.00	92.00	268.58	4941.76	497.13	-4146.36	4175.92	0.00	0.00	0.00	
9100.00	92.00	268.58	4938.27	494.65	-4246.27	4274.94	0.00	0.00	0.00	
9200.00	92.00	268.58	4934.79	492.17	-4346.18	4373.95	0.00	0.00	0.00	
9251.27	92.00	268.58	4933.00	490.90	-4397.40	4424.72	0.01	0.01	0.00	PBHL

Targets

Name	Description	TVD	+N/-S	+E/-W	Map Northing	Map Easting	<--- Latitude --->			<--- Longitude --->		
	Dip.	Dir.	ft	ft	ft	ft	Deg	Min	Sec	Deg	Min	Sec
PBHL			4933.00	490.90	-4397.40	708022.10	471246.30	32	56	47.009	N	104 25 37.431 W

Annotation

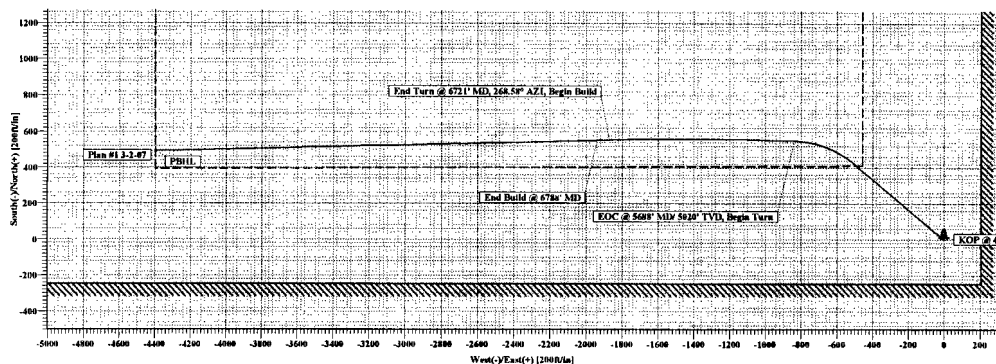
MD ft	TVD ft	
4225.00	4225.00	KOP @ 4225' MD/TVD
5688.68	5020.00	EOC @ 5688' MD/ 5020' TVD, Begin Turn
6721.68	5020.00	End Turn @ 6721' MD, 268.58° AZI, Begin Build
6788.25	5018.84	End Build @ 6788' MD



Field: Lena C 6 Fee #2H
 Site: Lena C 6 Fee #2H
 Well: Lena C 6 Fee #2H
 Wellpath: OH
 Plan: Plan #1 3-2-07

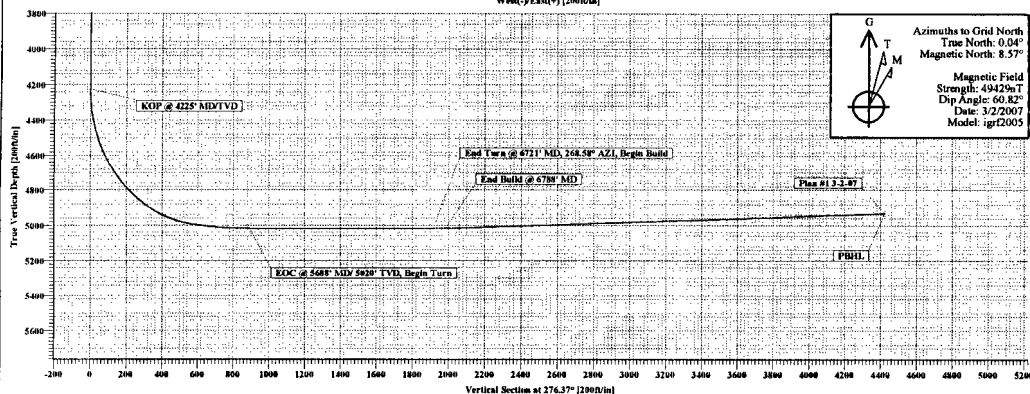
PATHFINDER

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4225.00	0.00	0.00	4225.00	0.00	0.00	0.00	0.00	0.00	
3	5319.97	81.00	310.00	4990.00	419.98	-500.51	7.40	310.00	544.02	
4	5688.68	90.00	272.00	5020.00	548.42	-837.27	10.55	281.32	892.04	
5	6721.68	90.00	268.58	5020.00	553.65	-1870.10	0.33	270.00	1919.98	
6	6788.25	92.00	268.58	5018.84	552.00	-1936.64	3.00	-0.07	1985.93	
7	9251.15	92.00	268.58	4933.00	490.90	-4397.28	0.00	0.00	4424.60	
8	9251.27	92.00	268.58	4933.00	490.90	-4397.40	3.00	40.67	4424.72	PBHL



SITE DETAILS	
Lena C 6 Fee #2H	
Site Centre Northing:	707531.20
Easting:	475643.70
Ground Level:	3383.00
Positional Uncertainty:	0.00
Convergence:	-0.04

TARGET DETAILS				
Name	TVD	+N-S	+E-W	Shape
PBHL	4933.00	490.90	-4397.40	Point



WELLPATH DETAILS				
OH				
Rig:	SITE 0.00ft			
Ref. Datum:				
V. Section	Origin	Origin	Starting	
Angle	+N-S	+E-W	From TVD	
276.37°	0.00	0.00	4933.00	

ANNOTATIONS			
No.	TVD	MD	Annotation
1	4225.00	4225.00	KOP @ 4225' MD/TVD
2	5020.00	5688.68	EOC @ 5688' MD/ 5020' TVD, Begin Turn
3	5020.00	6721.68	End Turn @ 6721' MD, 268.58° AZI, Begin Build
4	5018.84	6788.25	End Build @ 6788' MD

Plan: Plan #1 3-2-07, Lena C 6 Fee #2H (OH)
 Created by: David Givens Date: 10/20/07