

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88218

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-34752

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

PO B 1 FEE

8. Well Number 2H

9. OGRID Number 7377

10. Pool name or Wildcat
Cottonwood Creek; WC West (Gas)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other2. Name of Operator
EOG Resources, Inc3. Address of Operator
P.O. Box 2267 Midland, Texas 79702

4. Well Location

Unit Letter: 9: 2,622 feet from the North line and 660 feet from the East line

Section 1 Township 16S Range 24E NMPM County: Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3553Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☒ MULTIPLE COMPL ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

AMEND CASING PROGRAM & CEMENT PROGRAM. See Exhibit "A" attached hereto.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Bryan G. Glanton TITLE: AgentDATE 2/23/07Type or print name BRYAN G. GLANTON
For State Use Only DISTRICT II GEOLOGIST

Telephone No. (432) 686-3642

FEB 27 2007

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Permit Information:

Well Name: Po B 1 Fee #2H

Revised 2/21/07

Location:

SL 2622' FNL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 2458' FNL & 660' FWL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

Month - Year
FEB 26 2007
OCD - ARTESIA, NM

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	950'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,423'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
950'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	250	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,423'	450	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 - 950'	Fresh - Gel	8.6-8.8	28-34	N/c
950' - 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' - 5,200'	Cut Brine	8.8-9.2	28-34	10-15
4,178' - 8,423'	Polymer (Lateral)	9.0-9.4	40-45	10-25

Pathfinder Energy Planning Report

Company: EOG Resources	Date: 2/22/2007	Time: 15:35:50	Page: 1
Field: PO B 1 Fee #2H	Co-ordinate(NE) Reference: Site: PO B 1 Fee #2H, Grid North		
Site: PO B 1 Fee #2H	Vertical (TVD) Reference: SITE 0.0		
Well: PO B 1 Fee #2H	Section (VS) Reference: Well (0.00N,0.00E,272.21Azi)		
Wellpath: OH	Plan: Plan #1 2-22-07		

Field: PO B 1 Fee #2H	
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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: PO B 1 Fee #2H	
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Site Position:	Northing: 711831.80 ft	Latitude: 32 57 24.247 N
From: Map	Easting: 438107.30 ft	Longitude: 104 32 6.409 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3553.00 ft		Grid Convergence: -0.11 deg

Well: PO B 1 Fee #2H	Slot Name:
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Well Position: +N/-S 0.00 ft	Northing: 711831.80 ft	Latitude: 32 57 24.247 N
+E/-W 0.00 ft	Easting : 438107.30 ft	Longitude: 104 32 6.409 W
Position Uncertainty: 0.00 ft		

Wellpath: OH	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 2/22/2007	Above System Datum: Mean Sea Level		
Field Strength: 49423 nT	Declination: 8.59 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.81 deg		
ft	+E/-W		
	ft		
	Direction		
	deg		
4574.00	0.00	0.00	272.21

Plan: Plan #1 2-22-07	Date Composed: 2/22/2007
Principal: No	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	
4178.00	0.00	0.00	4178.00	0.00	0.00	0.00	0.00	0.00	0.00	
4935.12	90.00	272.21	4660.00	18.59	-481.64	11.89	11.89	0.00	272.21	
5935.12	90.00	272.21	4660.00	57.15	-1480.90	0.00	0.00	0.00	0.00	
6002.05	92.01	272.21	4658.82	59.73	-1547.76	3.00	3.00	0.00	0.05	
8423.08	92.01	272.21	4574.00	153.10	-3965.50	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00								

Pathfinder Energy

Planning Report

Company: EOG Resources Field: PO B 1 Fee #2H Site: PO B 1 Fee #2H Well: PO B 1 Fee #2H Wellpath: OH				Date: 2/22/2007 Co-ordinate(NE) Reference: PO B 1 Fee #2H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,272.21Azi) Plan: Plan #1 2-22-07				Time: 15:35:50 Page: 2		
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
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	
4178.00	0.00	0.00	4178.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4178' MD/TVD
4200.00	2.62	272.21	4199.99	0.02	-0.50	0.50	11.89	11.89	0.00	
4300.00	14.50	272.21	4298.70	0.59	-15.35	15.36	11.89	11.89	0.00	
4400.00	26.39	272.21	4392.23	1.94	-50.19	50.23	11.89	11.89	0.00	
4500.00	38.28	272.21	4476.58	4.00	-103.54	103.62	11.89	11.89	0.00	
4600.00	50.16	272.21	4548.12	6.68	-173.10	173.23	11.89	11.89	0.00	
4700.00	62.05	272.21	4603.78	9.88	-255.90	256.09	11.89	11.89	0.00	
4800.00	73.94	272.21	4641.18	13.44	-348.38	348.64	11.89	11.89	0.00	
4900.00	85.83	272.21	4658.72	17.23	-446.58	446.91	11.89	11.89	0.00	
4935.12	90.00	272.21	4660.00	18.59	-481.64	482.00	11.89	11.89	0.00	EOC @ 4935' MD/ 4660' TVD
5000.00	90.00	272.21	4660.00	21.09	-546.47	546.88	0.00	0.00	0.00	
5100.00	90.00	272.21	4660.00	24.95	-646.40	646.88	0.00	0.00	0.00	
5200.00	90.00	272.21	4660.00	28.80	-746.32	746.88	0.00	0.00	0.00	
5300.00	90.00	272.21	4660.00	32.66	-846.25	846.88	0.00	0.00	0.00	
5400.00	90.00	272.21	4660.00	36.51	-946.17	946.88	0.00	0.00	0.00	
5500.00	90.00	272.21	4660.00	40.37	-1046.10	1046.88	0.00	0.00	0.00	
5600.00	90.00	272.21	4660.00	44.23	-1146.02	1146.88	0.00	0.00	0.00	
5700.00	90.00	272.21	4660.00	48.08	-1245.95	1246.88	0.00	0.00	0.00	
5800.00	90.00	272.21	4660.00	51.94	-1345.88	1346.88	0.00	0.00	0.00	
5900.00	90.00	272.21	4660.00	55.79	-1445.80	1446.88	0.00	0.00	0.00	
5935.12	90.00	272.21	4660.00	57.15	-1480.90	1482.00	0.00	0.00	0.00	Begin Build 3"/100'
6000.00	91.95	272.21	4658.90	59.65	-1545.71	1546.87	3.00	3.00	0.00	
6002.05	92.01	272.21	4658.82	59.73	-1547.76	1548.91	3.00	3.00	0.00	End Build
6100.00	92.01	272.21	4655.39	63.51	-1645.58	1646.80	0.00	0.00	0.00	
6200.00	92.01	272.21	4651.89	67.36	-1745.44	1746.74	0.00	0.00	0.00	
6300.00	92.01	272.21	4648.39	71.22	-1845.31	1846.68	0.00	0.00	0.00	
6400.00	92.01	272.21	4644.88	75.08	-1945.17	1946.62	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: EOG Resources
Field: PO B 1 Fee #2H
Site: PO B 1 Fee #2H
Well: PO B 1 Fee #2H
Wellpath: OH

Date: 2/22/2007 **Time:** 15:35:50 **Page:** 3
Co-ordinate(NE) Reference: PO B 1 Fee #2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,272.21Azi)
Plan: Plan #1 2-22-07

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
6500.00	92.01	272.21	4641.38	78.93	-2045.04	2046.56	0.00	0.00	0.00	
6600.00	92.01	272.21	4637.87	82.79	-2144.90	2146.50	0.00	0.00	0.00	
6700.00	92.01	272.21	4634.37	86.65	-2244.76	2246.44	0.00	0.00	0.00	
6800.00	92.01	272.21	4630.87	90.50	-2344.63	2346.37	0.00	0.00	0.00	
6900.00	92.01	272.21	4627.36	94.36	-2444.49	2446.31	0.00	0.00	0.00	
7000.00	92.01	272.21	4623.86	98.22	-2544.36	2546.25	0.00	0.00	0.00	
7100.00	92.01	272.21	4620.36	102.07	-2644.22	2646.19	0.00	0.00	0.00	
7200.00	92.01	272.21	4616.85	105.93	-2744.08	2746.13	0.00	0.00	0.00	
7300.00	92.01	272.21	4613.35	109.79	-2843.95	2846.07	0.00	0.00	0.00	
7400.00	92.01	272.21	4609.85	113.64	-2943.81	2946.01	0.00	0.00	0.00	
7500.00	92.01	272.21	4606.34	117.50	-3043.68	3045.94	0.00	0.00	0.00	
7600.00	92.01	272.21	4602.84	121.36	-3143.54	3145.88	0.00	0.00	0.00	
7700.00	92.01	272.21	4599.33	125.21	-3243.41	3245.82	0.00	0.00	0.00	
7800.00	92.01	272.21	4595.83	129.07	-3343.27	3345.76	0.00	0.00	0.00	
7900.00	92.01	272.21	4592.33	132.93	-3443.13	3445.70	0.00	0.00	0.00	
8000.00	92.01	272.21	4588.82	136.78	-3543.00	3545.64	0.00	0.00	0.00	
8100.00	92.01	272.21	4585.32	140.64	-3642.86	3645.58	0.00	0.00	0.00	
8200.00	92.01	272.21	4581.82	144.50	-3742.73	3745.51	0.00	0.00	0.00	
8300.00	92.01	272.21	4578.31	148.35	-3842.59	3845.45	0.00	0.00	0.00	
8400.00	92.01	272.21	4574.81	152.21	-3942.45	3945.39	0.00	0.00	0.00	
8423.08	92.01	272.21	4574.00	153.10	-3965.50	3968.45	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL		4574.00	153.10	-3965.50	711984.90	434141.80	32	57	25.685 N	104	32	52.954 W

Annotation

MD ft	TVD ft	
4178.00	4178.00	KOP @ 4178' MD/TVD
4935.12	4660.00	EOC @ 4935' MD/ 4660' TVD
5935.12	4660.00	Begin Build 3'/100'
6002.05	4658.82	End Build



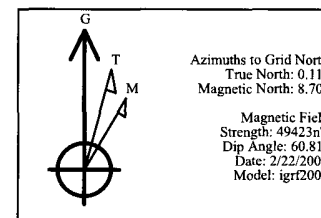
COMPANY DETAILS

EOG Resources
4000 N. Big Spring, Ste. 500
Midland, TX 79705

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio



Field: PO B 1 Fee #2H
Site: PO B 1 Fee #2H
Well: PO B 1 Fee #2H
Wellpath: OH
Plan: Plan #1 2-22-07

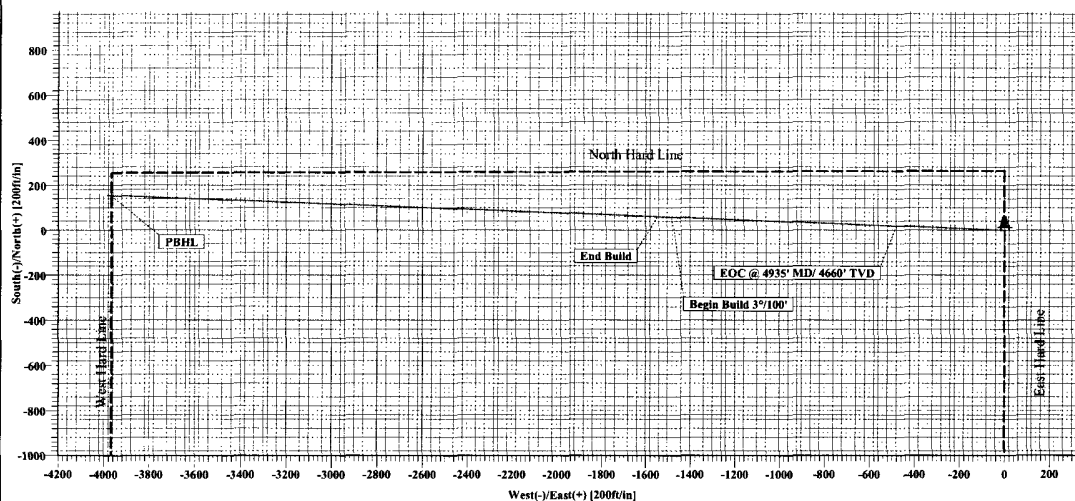


SECTION DETAILS

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	4178.00	0.00	0.00	4178.00	0.00	0.00	0.00	0.00	0.00	
3	4935.12	90.00	272.21	4660.00	18.59	-481.64	11.89	272.21	482.00	
4	5935.12	90.00	272.21	4660.00	57.15	-1480.90	0.00	0.00	1482.00	
5	6002.05	92.01	272.21	4658.82	59.73	-1547.76	3.00	0.05	1548.91	
6	8423.08	92.01	272.21	4574.00	153.10	-3965.50	0.00	0.00	3968.45	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PO B 1 Fee #2H	0.00	0.00	711831.80	438107.30	32°57'24.247N	104°32'06.409W	N/A



SITE DETAILS

PO B 1 Fee #2H

Site Centre Northing: 711831.80
Easting: 438107.30

Ground Level: 3553.00
Positional Uncertainty: 0.00
Convergence: -0.11

FIELD DETAILS

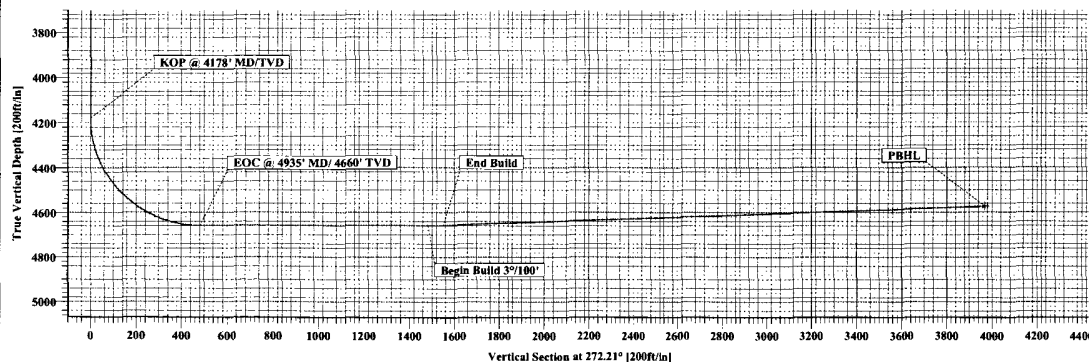
PO B 1 Fee #2H

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: Grid North

ANNOTATIONS

No.	TVD	MD	Annotation
1	4178.00	4178.00	KOP @ 4178' MD/TVD
2	4660.00	4935.12	EOC @ 4935' MD/ 4660' TVD
3	4660.00	5935.12	Begin Build 3°/100'
4	4658.82	6002.05	End Build



Permit Information:

ORIGINAL
3/29/2006

Well Name: Po B 1 Fee #2H

Location:

SL 2622' FNL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 2458' FNL & 660' FWL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	11"	7"	23#	J-55	Surface
Production	8,505'	6-1/8"	4 1/2"	11.6#	P-110	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	250	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,505'	450	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 - 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' - 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' - 5,200'	Cut Brine	8.8-9.2	28-34	10-15
4,200' - 8,505'	Polymer (Lateral)	9.0-9.4	40-45	10-25