

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French NM 88240
District II
1301 W. Grand NM 88210
District III
1000 Rio Brazo NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-015-34751
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 1H
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 ☒ Other

2. Name of Operator
EOG Resources, Inc

3. Address of Operator
P.O. Box 2267 Midland, Texas 79702

4. Well Location

Unit Letter: 16: 3400 feet from the South 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.)
3556

Pit 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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: AMEND CASING PROGRAM & CEMENT PROGRAM

OTHER: ☒ EXTEND PERMIT EXPIRATION (1) YEAR

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.

EOG RESOURCES, Inc. respectfully requests extending the approved drilling permit for (1) additional year. Thence, extending the approved permit to 3-30-2008.

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 Donny G. Glanton TITLE: Agent

DATE 3/19/2007

Type or print name
For State Use Only

E-mail address: donny_glanton@eogresources.com

Telephone No. (432) 686-3642

BRYAN G. ARANT
DISTRICT II GEOLOGIST

APPROVED BY: _____ TITLE _____

MAR 21 2007
DATE _____

Conditions of Approval (if any):

EXHIBIT "A"

Permit Information:

Well Name: Po B 1 Fee #1H

Revised 3/15/07

Location:

SL 3400' FSL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 3400' FSL & 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	950'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,383'	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
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,383'	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 - 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
4,143' - 8,383'	Polymer (Lateral)	9.0-9.4	40-45	10-25

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Po B 1 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3573.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3573.00ft (Original Well Elev)
Site:	Po B 1 Fee #1H	North Reference:	Grid
Well:	Po B 1 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Po B 1 Fee #1H		
Design:	Original Plan		

Project:	Thames		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Po B 1 Fee #1H			
Site Position:	Northing:	710,941.80ft	Latitude:	32° 57' 15.440 N
From:	Easting:	438,104.60ft	Longitude:	104° 32' 6.421 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:
				-0.11°

Well:	Po B 1 Fee #1H			
Well Position	+N/-S	0.00 ft	Northing:	710,941.80 ft
	+E/-W	0.00 ft	Easting:	438,104.60 ft
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft
			Ground Level:	3,556.00ft

Wellbore:	Po B 1 Fee #1H			
Magnetics	Model Name	Sample Date	Declination	Dip Angle
			(°)	(°)
	IGRF2005	3/27/2006	8.68	60.80
				Field Strength
				(nT)
				49,453

Design:	Original Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	268.88

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,143.00	0.00	0.00	4,143.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,900.12	90.00	268.88	4,625.00	-9.42	-481.91	11.89	11.89	0.00	268.88	
6,418.12	90.00	268.88	4,625.00	-39.09	-1,999.62	0.00	0.00	0.00	0.00	
6,484.37	91.99	268.89	4,623.85	-40.38	-2,065.84	3.00	3.00	0.01	0.24	
8,382.81	91.99	268.89	4,558.01	-77.19	-3,962.78	0.00	0.00	0.00	0.00	
8,383.23	92.00	268.89	4,558.00	-77.20	-3,963.20	3.00	2.97	0.39	7.47	BHL (Po B #1H)

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Po B 1 Fee #1H
Well: Po B 1 Fee #1H
Wellbore: Po B 1 Fee #1H
Design: Original Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Po B 1 Fee #1H
 WELL @ 3573.00ft (Original Well Elev)
 WELL @ 3573.00ft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,143.00	0.00	0.00	4,143.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	6.78	268.88	4,199.87	-0.07	-3.37	3.37	11.89	11.89	0.00
4,300.00	18.66	268.88	4,297.24	-0.50	-25.34	25.34	11.89	11.89	0.00
4,400.00	30.55	268.88	4,387.99	-1.31	-66.89	66.91	11.89	11.89	0.00
4,500.00	42.44	268.88	4,468.24	-2.47	-126.25	126.27	11.89	11.89	0.00
4,600.00	54.32	268.88	4,534.54	-3.93	-200.86	200.90	11.89	11.89	0.00
4,700.00	66.21	268.88	4,584.05	-5.62	-287.52	287.58	11.89	11.89	0.00
4,800.00	78.10	268.88	4,614.64	-7.48	-382.52	382.59	11.89	11.89	0.00
4,900.00	89.99	268.88	4,625.00	-9.42	-481.78	481.88	11.89	11.89	0.00
4,900.12	90.00	268.88	4,625.00	-9.42	-481.91	482.00	11.89	11.89	0.00
5,000.00	90.00	268.88	4,625.00	-11.37	-581.77	581.88	0.00	0.00	0.00
5,100.00	90.00	268.88	4,625.00	-13.33	-681.75	681.88	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Po B 1 Fee #1H
Well: Po B 1 Fee #1H
Wellbore: Po B 1 Fee #1H
Design: Original Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Po B 1 Fee #1H
WELL @ 3573.00ft (Original Well Elev)
WELL @ 3573.00ft (Original Well Elev)
Grid
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.00	90.00	268.88	4,625.00	-15.28	-781.73	781.88	0.00	0.00	0.00
5,300.00	90.00	268.88	4,625.00	-17.24	-881.71	881.88	0.00	0.00	0.00
5,400.00	90.00	268.88	4,625.00	-19.19	-981.69	981.88	0.00	0.00	0.00
5,500.00	90.00	268.88	4,625.00	-21.15	-1,081.67	1,081.88	0.00	0.00	0.00
5,600.00	90.00	268.88	4,625.00	-23.10	-1,181.65	1,181.88	0.00	0.00	0.00
5,700.00	90.00	268.88	4,625.00	-25.06	-1,281.63	1,281.88	0.00	0.00	0.00
5,800.00	90.00	268.88	4,625.00	-27.01	-1,381.61	1,381.88	0.00	0.00	0.00
5,900.00	90.00	268.88	4,625.00	-28.97	-1,481.59	1,481.88	0.00	0.00	0.00
6,000.00	90.00	268.88	4,625.00	-30.92	-1,581.57	1,581.88	0.00	0.00	0.00
6,100.00	90.00	268.88	4,625.00	-32.87	-1,681.55	1,681.88	0.00	0.00	0.00
6,200.00	90.00	268.88	4,625.00	-34.83	-1,781.54	1,781.88	0.00	0.00	0.00
6,300.00	90.00	268.88	4,625.00	-36.78	-1,881.52	1,881.88	0.00	0.00	0.00
6,400.00	90.00	268.88	4,625.00	-38.74	-1,981.50	1,981.88	0.00	0.00	0.00
6,418.12	90.00	268.88	4,625.00	-39.09	-1,999.62	2,000.00	0.00	0.00	0.00
6,484.37	91.99	268.89	4,623.85	-40.38	-2,065.84	2,066.23	3.00	3.00	0.01
6,500.00	91.99	268.89	4,623.31	-40.69	-2,081.46	2,081.85	0.00	0.00	0.00
6,600.00	91.99	268.89	4,619.84	-42.62	-2,181.38	2,181.79	0.00	0.00	0.00
6,700.00	91.99	268.89	4,616.37	-44.56	-2,281.30	2,281.73	0.00	0.00	0.00
6,800.00	91.99	268.89	4,612.91	-46.50	-2,381.22	2,381.67	0.00	0.00	0.00
6,900.00	91.99	268.89	4,609.44	-48.44	-2,481.14	2,481.61	0.00	0.00	0.00
7,000.00	91.99	268.89	4,605.97	-50.38	-2,581.06	2,581.55	0.00	0.00	0.00
7,100.00	91.99	268.89	4,602.50	-52.32	-2,680.98	2,681.49	0.00	0.00	0.00
7,200.00	91.99	268.89	4,599.03	-54.26	-2,780.90	2,781.43	0.00	0.00	0.00
7,300.00	91.99	268.89	4,595.57	-56.20	-2,880.82	2,881.37	0.00	0.00	0.00
7,400.00	91.99	268.89	4,592.10	-58.14	-2,980.75	2,981.31	0.00	0.00	0.00
7,500.00	91.99	268.89	4,588.63	-60.07	-3,080.67	3,081.25	0.00	0.00	0.00
7,600.00	91.99	268.89	4,585.16	-62.01	-3,180.59	3,181.19	0.00	0.00	0.00
7,700.00	91.99	268.89	4,581.69	-63.95	-3,280.51	3,281.13	0.00	0.00	0.00
7,800.00	91.99	268.89	4,578.23	-65.89	-3,380.43	3,381.07	0.00	0.00	0.00
7,900.00	91.99	268.89	4,574.76	-67.83	-3,480.35	3,481.01	0.00	0.00	0.00
8,000.00	91.99	268.89	4,571.29	-69.77	-3,580.27	3,580.95	0.00	0.00	0.00
8,100.00	91.99	268.89	4,567.82	-71.71	-3,680.19	3,680.89	0.00	0.00	0.00
8,200.00	91.99	268.89	4,564.35	-73.65	-3,780.11	3,780.83	0.00	0.00	0.00
8,300.00	91.99	268.89	4,560.89	-75.59	-3,880.03	3,880.77	0.00	0.00	0.00
8,382.81	91.99	268.89	4,558.01	-77.19	-3,962.78	3,963.53	0.00	0.00	0.00
8,383.23	92.00	268.89	4,558.00	-77.20	-3,963.20	3,963.95	3.00	2.97	0.39
BHL (Po B #1H)									

Targets

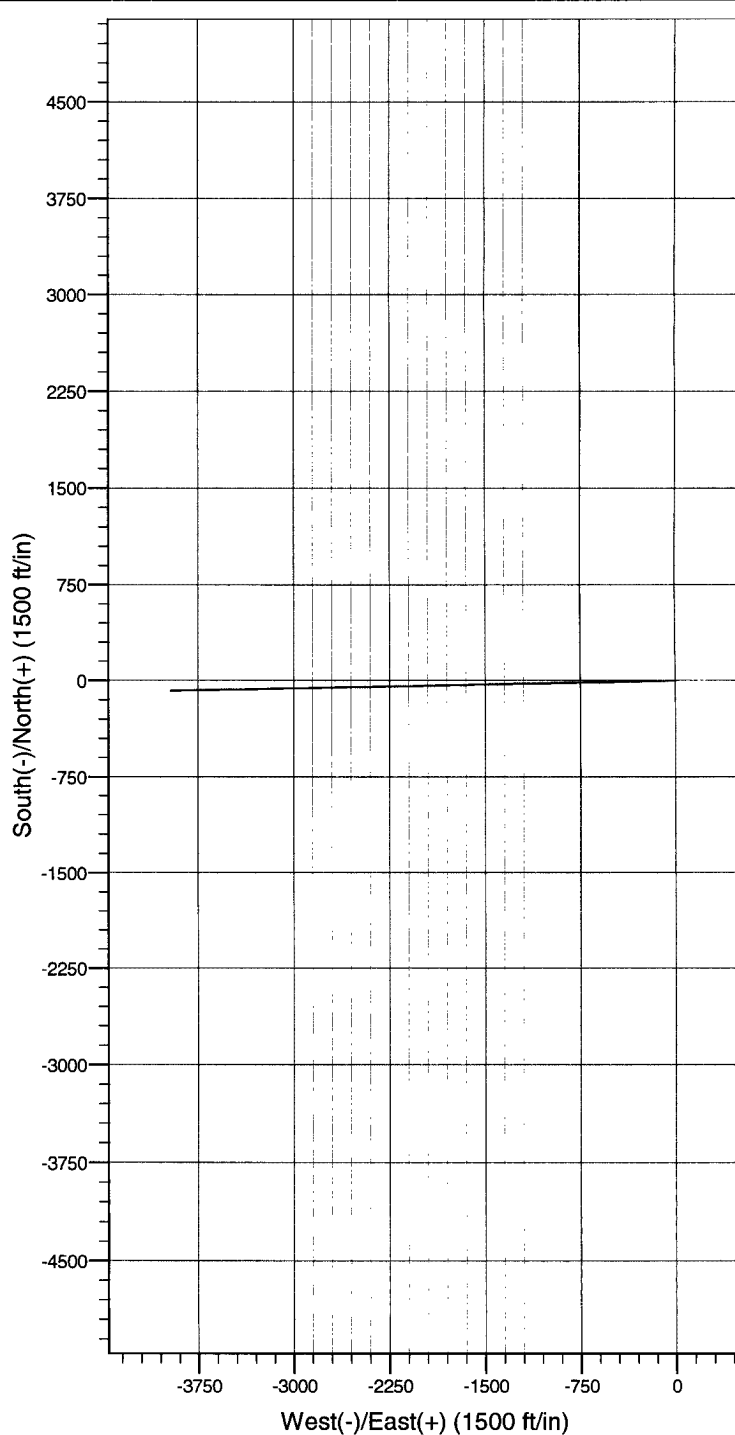
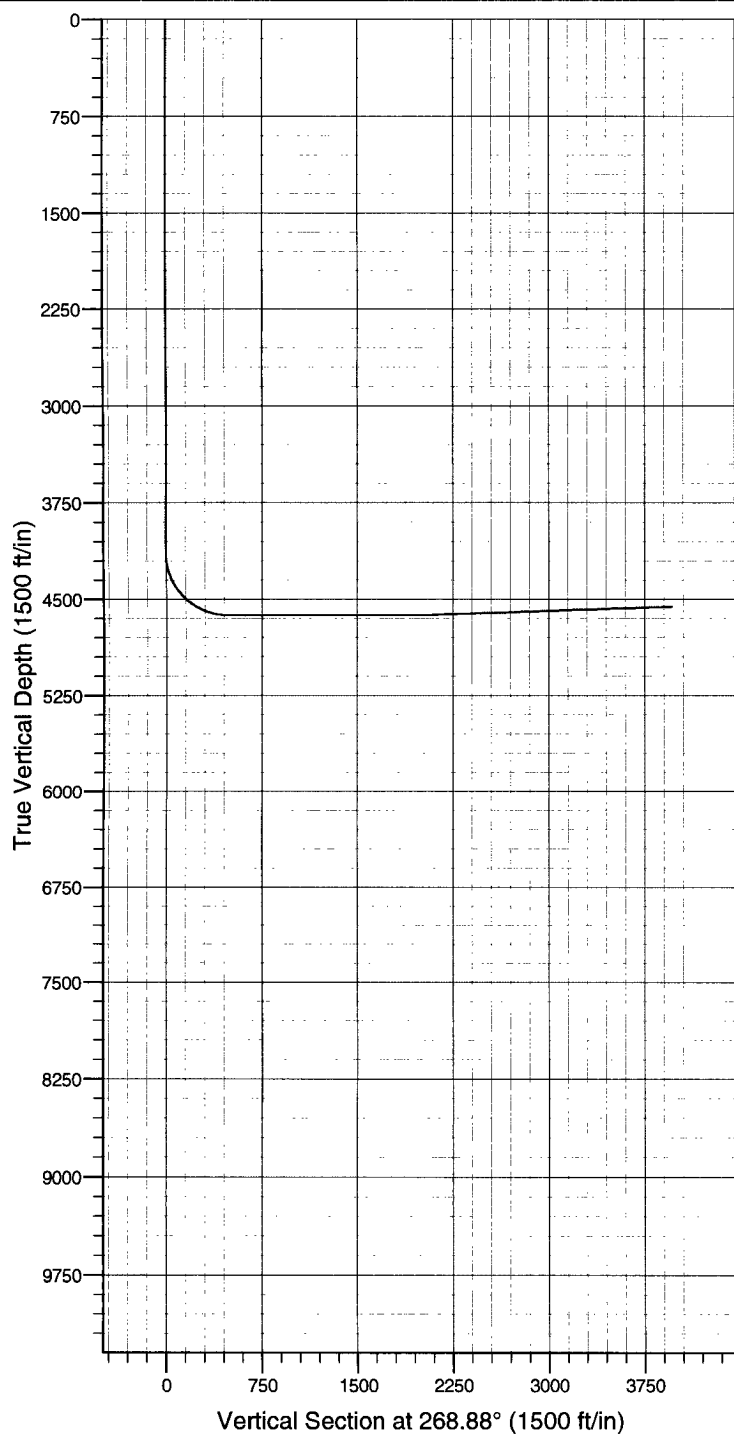
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (Po B #1H)	0.00	0.00	4,558.00	-77.20	-3,963.20	710,864.60	434,141.40	32° 57' 14.599 N	104° 32' 52.932 W
- plan hits target									
- Point									

WELL DETAILS: Po B 1 Fee #1H

+N/-S	+E/-W	Northing	Ground Level: 3556.00	Easting	Latitude	Longitude	Slot
0.00	0.00	710941.80		438104.60	32° 57' 15.440 N	104° 32' 6.421 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFac	Target	Sec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4143.00	0.00	0.00	4143.00	0.00	0.00	0.00	0.00	0.00	
3	4900.12	90.00	268.88	4625.00	-9.42	-481.91	11.89	268.88	482.00	
4	6418.12	90.00	268.88	4625.00	-39.09	-1999.62	0.00	0.00	2000.00	
5	6484.37	91.99	268.89	4623.85	-40.38	-2065.84	3.00	0.24	2066.23	
6	8382.81	91.99	268.89	4558.01	-77.19	-3962.78	0.00	0.00	3963.53	
7	8383.23	92.00	268.89	4558.00	-77.20	-3963.20	3.00	0.00	3963.95	



Permit Information:

ORIGINAL

Well Name: Po B 1 Fee #1H

Location:

SL 3400' FSL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 3400' FSL & 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	8,500'	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
8,500'	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' - 8,500'	Polymer (Lateral)	9.0-9.4	40-45	10-25