

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

State of New Mexico
Energy, Minerals and Natural Resources

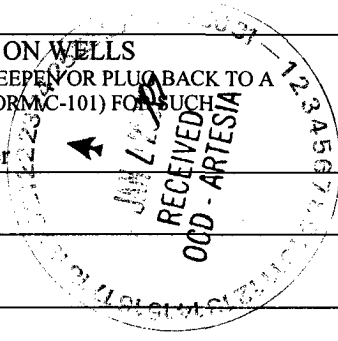
Form C-103
May 27, 2004

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

WELL API NO. 30-015-34754
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name PO C 1 FEE
8. Well Number 2H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; WC West (Gas)

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3562
--

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 _____



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: P: 760 feet from the South line and 660 feet from the East line
Section 1 Township 16S Range 24E NMPM County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☒	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		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 Donny G. Glanton TITLE: Agent DATE 1/22/07

Type or print name E-mail address: donny_glanton@eogresources.com Telephone No. (432) 686-3642

For State Use Only
BRYAN G. ARANT
DISTRICT II GEOLOGIST

APPROVED BY: _____ TITLE _____ DATE JAN 24 2007

Conditions of Approval (if any):

Permit Information:

Well Name: Po C 1 Fee #2H

Revised 1/22/07

Location:

SL 760' FSL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 760' 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	8,392'	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
8,392'	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
4,158' – 8,392'	Polymer (Lateral)	9.0-9.4	40-45	10-25

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Po C 1 Fee #2H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3579.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3579.00ft (Original Well Elev)
Site:	Po C 1 Fee #2H	North Reference:	Grid
Well:	Po C 1 Fee #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Po C 1 Fee #2H		
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 C 1 Fee #2H				
Site Position:		Northing:	708,301.90 ft	Latitude:	32° 56' 49.318 N
From:	Map	Easting:	438,096.60 ft	Longitude:	104° 32' 6.455 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.11 °

Well	Po C 1 Fee #2H					
Well Position	+N/-S	0.00 ft	Northing:	708,301.90 ft	Latitude:	32° 56' 49.318 N
	+E/-W	0.00 ft	Easting:	438,096.60 ft	Longitude:	104° 32' 6.455 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,562.00 ft

Wellbore	Po C 1 Fee #2H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	3/27/2006	8.68	60.79	49,448

Design	Original Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	268.87

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	
4,158.00	0.00	0.00	4,158.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,915.12	90.00	268.87	4,640.00	-9.51	-481.91	11.89	11.89	0.00	268.87	
5,933.12	90.00	268.87	4,640.00	-29.58	-1,499.71	0.00	0.00	0.00	0.00	
6,000.08	92.01	268.87	4,638.83	-30.90	-1,566.64	3.00	3.00	0.00	0.02	
8,391.28	92.01	268.87	4,555.01	-77.99	-3,955.91	0.00	0.00	0.00	0.00	
8,391.58	92.00	268.87	4,555.00	-78.00	-3,956.20	3.00	-2.99	-0.28	-174.57	BHL (Po C #2H)

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Po C 1 Fee #2H
Well: Po C 1 Fee #2H
Wellbore: Po C 1 Fee #2H
Design: Original Plan

Local Co-ordinate Reference: Well Po C 1 Fee #2H
TVD Reference: WELL @ 3579.00ft (Original Well Elev)
MD Reference: WELL @ 3579.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: 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
4,158.00	0.00	0.00	4,158.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	4.99	268.87	4,199.95	-0.04	-1.83	1.83	11.89	11.89	0.00
4,300.00	16.88	268.87	4,297.95	-0.41	-20.76	20.77	11.89	11.89	0.00
4,400.00	28.77	268.87	4,389.96	-1.17	-59.47	59.49	11.89	11.89	0.00
4,500.00	40.65	268.87	4,472.02	-2.29	-116.30	116.33	11.89	11.89	0.00
4,600.00	52.54	268.87	4,540.61	-3.72	-188.81	188.85	11.89	11.89	0.00
4,700.00	64.43	268.87	4,592.79	-5.40	-273.89	273.95	11.89	11.89	0.00
4,800.00	76.32	268.87	4,626.32	-7.26	-367.90	367.97	11.89	11.89	0.00
4,900.00	88.20	268.87	4,639.76	-9.21	-466.79	466.88	11.89	11.89	0.00
4,915.12	90.00	268.87	4,640.00	-9.51	-481.91	482.00	11.89	11.89	0.00
5,000.00	90.00	268.87	4,640.00	-11.18	-566.77	566.88	0.00	0.00	0.00
5,100.00	90.00	268.87	4,640.00	-13.15	-666.75	666.88	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Po C 1 Fee #2H
Well: Po C 1 Fee #2H
Wellbore: Po C 1 Fee #2H
Design: Original Plan

Local Co-ordinate Reference: Well Po C 1 Fee #2H
TVD Reference: WELL @ 3579.00ft (Original Well Elev)
MD Reference: WELL @ 3579.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: 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	268.87	4,640.00	-15.12	-766.73	766.88	0.00	0.00	0.00
5,300.00	90.00	268.87	4,640.00	-17.10	-866.71	866.88	0.00	0.00	0.00
5,400.00	90.00	268.87	4,640.00	-19.07	-966.69	966.88	0.00	0.00	0.00
5,500.00	90.00	268.87	4,640.00	-21.04	-1,066.67	1,066.88	0.00	0.00	0.00
5,600.00	90.00	268.87	4,640.00	-23.01	-1,166.65	1,166.88	0.00	0.00	0.00
5,700.00	90.00	268.87	4,640.00	-24.98	-1,266.63	1,266.88	0.00	0.00	0.00
5,800.00	90.00	268.87	4,640.00	-26.96	-1,366.61	1,366.88	0.00	0.00	0.00
5,900.00	90.00	268.87	4,640.00	-28.93	-1,466.59	1,466.88	0.00	0.00	0.00
5,933.12	90.00	268.87	4,640.00	-29.58	-1,499.71	1,500.00	0.00	0.00	0.00
6,000.08	92.01	268.87	4,638.83	-30.90	-1,566.64	1,566.94	3.00	3.00	0.00
6,100.00	92.01	268.87	4,635.32	-32.87	-1,666.48	1,666.80	0.00	0.00	0.00
6,200.00	92.01	268.87	4,631.82	-34.84	-1,766.40	1,766.74	0.00	0.00	0.00
6,300.00	92.01	268.87	4,628.31	-36.81	-1,866.32	1,866.68	0.00	0.00	0.00
6,400.00	92.01	268.87	4,624.81	-38.78	-1,966.23	1,966.62	0.00	0.00	0.00
6,500.00	92.01	268.87	4,621.30	-40.75	-2,066.15	2,066.56	0.00	0.00	0.00
6,600.00	92.01	268.87	4,617.80	-42.72	-2,166.07	2,166.49	0.00	0.00	0.00
6,700.00	92.01	268.87	4,614.29	-44.69	-2,265.99	2,266.43	0.00	0.00	0.00
6,800.00	92.01	268.87	4,610.79	-46.65	-2,365.91	2,366.37	0.00	0.00	0.00
6,900.00	92.01	268.87	4,607.28	-48.62	-2,465.83	2,466.31	0.00	0.00	0.00
7,000.00	92.01	268.87	4,603.78	-50.59	-2,565.75	2,566.25	0.00	0.00	0.00
7,100.00	92.01	268.87	4,600.27	-52.56	-2,665.67	2,666.19	0.00	0.00	0.00
7,200.00	92.01	268.87	4,596.77	-54.53	-2,765.59	2,766.13	0.00	0.00	0.00
7,300.00	92.01	268.87	4,593.26	-56.50	-2,865.51	2,866.06	0.00	0.00	0.00
7,400.00	92.01	268.87	4,589.76	-58.47	-2,965.43	2,966.00	0.00	0.00	0.00
7,500.00	92.01	268.87	4,586.25	-60.44	-3,065.34	3,065.94	0.00	0.00	0.00
7,600.00	92.01	268.87	4,582.75	-62.41	-3,165.26	3,165.88	0.00	0.00	0.00
7,700.00	92.01	268.87	4,579.24	-64.38	-3,265.18	3,265.82	0.00	0.00	0.00
7,800.00	92.01	268.87	4,575.74	-66.35	-3,365.10	3,365.76	0.00	0.00	0.00
7,900.00	92.01	268.87	4,572.23	-68.32	-3,465.02	3,465.69	0.00	0.00	0.00
8,000.00	92.01	268.87	4,568.73	-70.29	-3,564.94	3,565.63	0.00	0.00	0.00
8,100.00	92.01	268.87	4,565.22	-72.26	-3,664.86	3,665.57	0.00	0.00	0.00
8,200.00	92.01	268.87	4,561.72	-74.23	-3,764.78	3,765.51	0.00	0.00	0.00
8,300.00	92.01	268.87	4,558.21	-76.20	-3,864.70	3,865.45	0.00	0.00	0.00
8,391.28	92.01	268.87	4,555.01	-77.99	-3,955.91	3,956.68	0.00	0.00	0.00
8,391.58	92.00	268.87	4,555.00	-78.00	-3,956.20	3,956.97	3.00	-2.99	-0.28

Targets

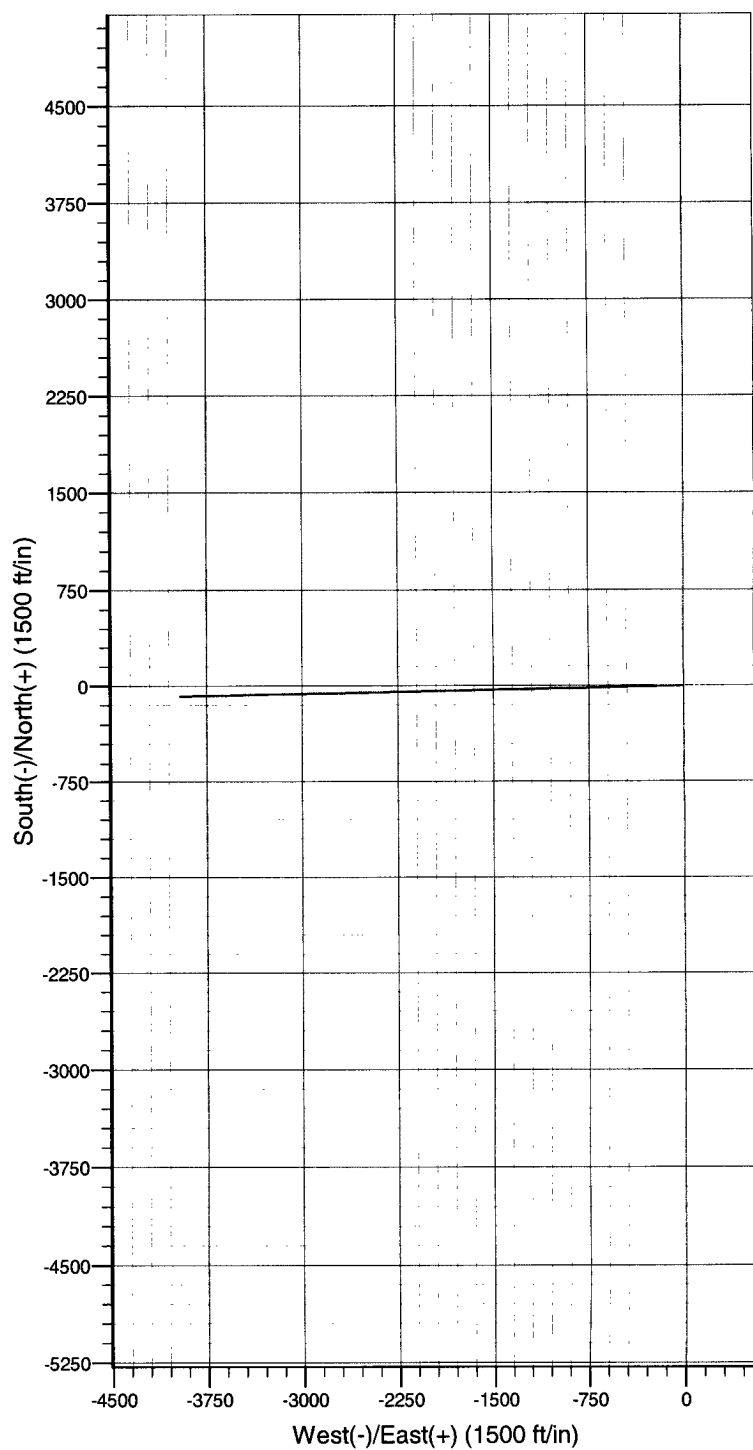
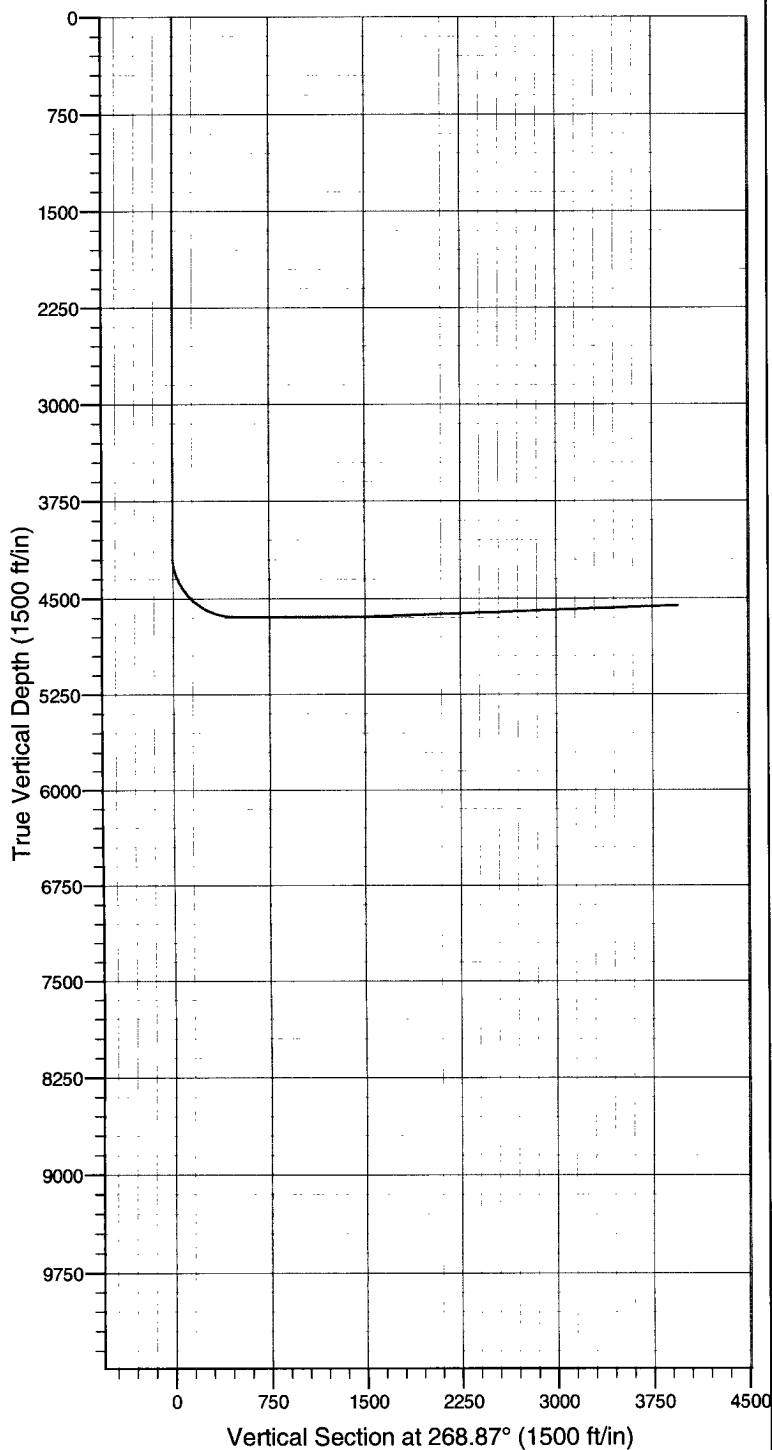
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (Po C #2H)	0.00	0.00	4,555.00	-78.00	-3,956.20	708,223.90	434,140.40	32° 56' 48.469 N	104° 32' 52.880 W
- plan hits target									
- Point									

WELL DETAILS: Po C 1 Fee #2H

+N/-S	+E/-W	Northing	Ground Level:	3562.00			
0.00	0.00	708301.90	Easting	Latitude	Longitude	Slot	
			438096.60	32° 56' 49.318 N	104° 32' 6.455 W		

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4158.00	0.00	0.00	4158.00	0.00	0.00	0.00	0.00	0.00	
4915.12	90.00	268.87	4640.00	-9.51	-481.91	11.89	268.87	482.00	
5933.12	90.00	268.87	4640.00	-29.58	-1499.71	0.00	0.00	1500.00	
6000.08	92.01	268.87	4638.83	-30.90	-1566.64	3.00	0.02	1566.94	
8391.28	92.01	268.87	4555.01	-77.99	-3955.91	0.00	0.00	3956.68	
8391.58	92.00	268.87	4555.00	-78.00	-3956.20	3.00	-174.57	3956.97	BHL (Po C #2H)



As Per Original Permit

See Revised Permit Info

dated 1/22/07

Permit Information:

Well Name: Po C 1 Fee #2H

Location:

SL 760' FSL & 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 760' 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	8,493'	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
8,493'	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' - 8,493'	Polymer (Lateral)	9.0-9.4	40-45	10-25