

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease-4 Copies
Fee Lease-3 Copies

Month Year
2007
OCD ARTESIA, NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35650	Pool Code 75260	Pool Name Cottonwood Creek; WC, West (Gas)
Property Code	Property Name PO "B" 1 FEE	Well Number 1HY
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3557'

Surface Location

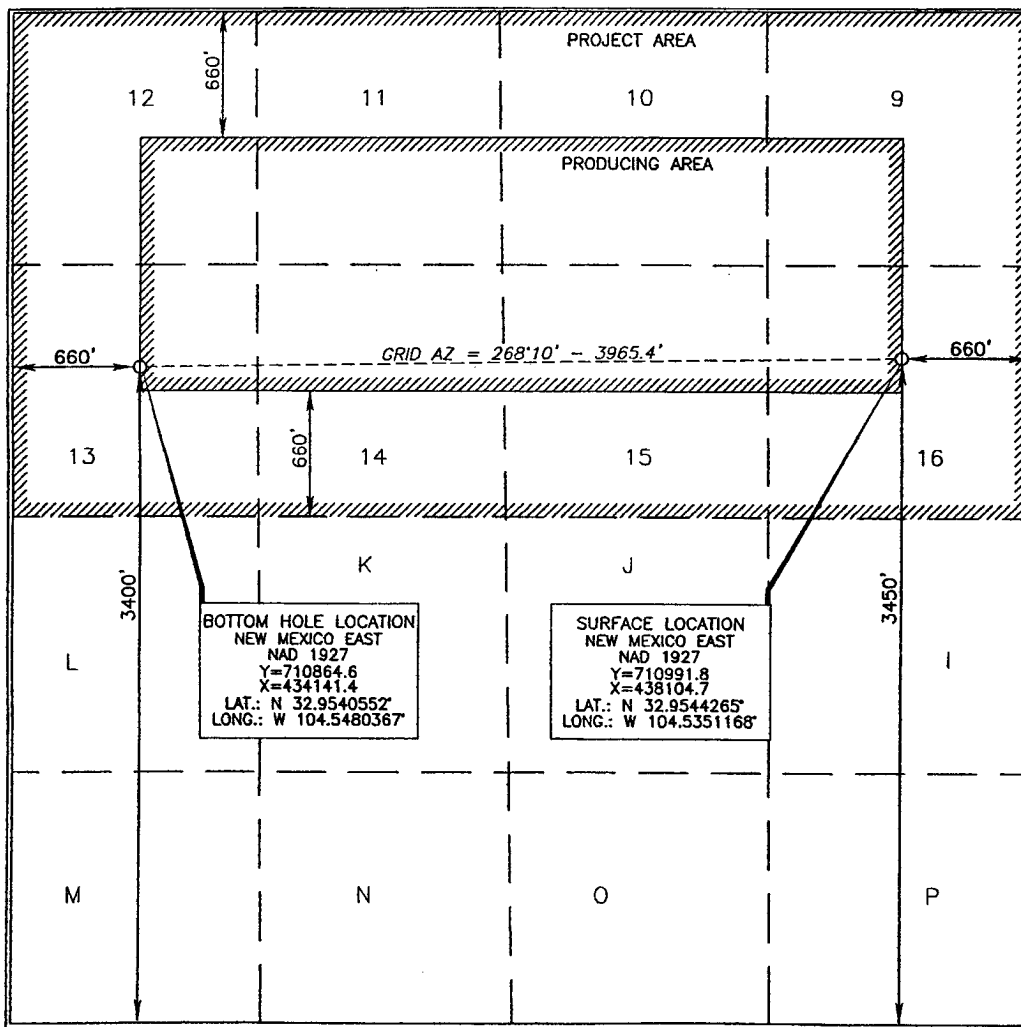
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	1	16 SOUTH	24 EAST, N.M.P.M.		3450'	SOUTH	660'	EAST	EDDY

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
13	1	16 SOUTH	24 EAST, N.M.P.M.		3400'	SOUTH	660'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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
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 a duly qualified surveyor made by me or under my supervision, and that the same is true and correct to the best of my belief.

Jimmy J. Asel
Date of Survey
Professional Surveyor
Certificate Number
15079

WO# 060307WL-c REV. A (JL)

Permit Information:

Well Name: Po B 1 Fee #1HY

Location:

SL 3450' 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	8,380'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

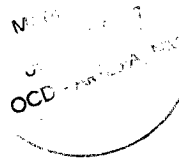
Depth	No. Sacks	Slurries:
950'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,380'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

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
4,138' – 8,380'	Polymer (Lateral)	9.0-9.4	40-45	10-25



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



June 4, 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 Po B 1 Fee #1HY. 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

EOG RESOURCES INC.

Planning Report

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

Local Co-ordinate Reference: Well Po B 1 Fee #1HY
TVD Reference: WELL @ 3576.00ft (Original Well Elev)
MD Reference: WELL @ 3576.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 #1HY		
Site Position:		Northing:	710,991.80ft
From:	Map	Easting:	438,104.70ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 57' 15.935 N
		Longitude:	104° 32' 6.421 W
		Grid Convergence:	-0.11°

Well	Po B 1 Fee #1HY		
Well Position	+N/-S	0.00 ft	Northing: 710,991.80ft
	+E/-W	0.00 ft	Easting: 438,104.70ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 57' 15.935 N
		Longitude:	104° 32' 6.421 W
		Ground Level:	3,557.00ft

Wellbore	Po B 1 Fee #1HY		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005	6/4/2007	(°)
			8.54
			Dip Angle
			(°)
			60.77
			Field Strength
			(nT)
			49,304

Design	Original Plan		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	4,552.00	0.00	0.00
			Direction
			(°)
			268.16

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	
4,138.00	0.00	0.00	4,138.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,895.12	90.00	268.16	4,620.00	-15.48	-481.75	11.89	11.89	0.00	268.16	
6,395.12	90.00	268.16	4,620.00	-63.64	-1,980.98	0.00	0.00	0.00	0.00	
6,461.70	92.00	268.16	4,618.84	-65.77	-2,047.50	3.00	3.00	0.01	0.10	
8,379.49	92.00	268.16	4,552.01	-127.20	-3,963.15	0.00	0.00	0.00	0.00	
8,379.64	92.00	268.16	4,552.00	-127.20	-3,963.30	3.00	1.88	-2.34	0.00	BHL (Po B #1HY)

EOG RESOURCES INC.

Planning Report

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TVD Reference: WELL @ 3576.00ft (Original Well Elev)
MD Reference: WELL @ 3576.00ft (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
4,138.00	0.00	0.00	4,138.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	7.37	268.16	4,199.83	-0.13	-3.98	3.98	11.89	11.89	0.00
4,300.00	19.26	268.16	4,296.97	-0.87	-26.95	26.97	11.89	11.89	0.00
4,400.00	31.14	268.16	4,387.29	-2.23	-69.44	69.47	11.89	11.89	0.00
4,500.00	43.03	268.16	4,466.92	-4.16	-129.60	129.67	11.89	11.89	0.00
4,600.00	54.92	268.16	4,532.44	-6.58	-204.87	204.97	11.89	11.89	0.00
4,700.00	66.81	268.16	4,581.04	-9.38	-292.01	292.16	11.89	11.89	0.00
4,800.00	78.69	268.16	4,610.64	-12.44	-387.29	387.49	11.89	11.89	0.00
4,895.12	90.00	268.16	4,620.00	-15.48	-481.75	482.00	11.89	11.89	0.00
4,900.00	90.00	268.16	4,620.00	-15.63	-486.63	486.88	0.00	0.00	0.00
5,000.00	90.00	268.16	4,620.00	-18.84	-586.57	586.88	0.00	0.00	0.00
5,100.00	90.00	268.16	4,620.00	-22.05	-686.52	686.88	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

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

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

Well Po B 1 Fee #1HY
 WELL @ 3576.00ft (Original Well Elev)
 WELL @ 3576.00ft (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	268.16	4,620.00	-25.27	-786.47	786.88	0.00	0.00	0.00
5,300.00	90.00	268.16	4,620.00	-28.48	-886.42	886.88	0.00	0.00	0.00
5,400.00	90.00	268.16	4,620.00	-31.69	-986.37	986.88	0.00	0.00	0.00
5,500.00	90.00	268.16	4,620.00	-34.90	-1,086.32	1,086.88	0.00	0.00	0.00
5,600.00	90.00	268.16	4,620.00	-38.11	-1,186.26	1,186.88	0.00	0.00	0.00
5,700.00	90.00	268.16	4,620.00	-41.32	-1,286.21	1,286.88	0.00	0.00	0.00
5,800.00	90.00	268.16	4,620.00	-44.53	-1,386.16	1,386.88	0.00	0.00	0.00
5,900.00	90.00	268.16	4,620.00	-47.74	-1,486.11	1,486.88	0.00	0.00	0.00
6,000.00	90.00	268.16	4,620.00	-50.95	-1,586.06	1,586.88	0.00	0.00	0.00
6,100.00	90.00	268.16	4,620.00	-54.16	-1,686.01	1,686.88	0.00	0.00	0.00
6,200.00	90.00	268.16	4,620.00	-57.37	-1,785.95	1,786.88	0.00	0.00	0.00
6,300.00	90.00	268.16	4,620.00	-60.58	-1,885.90	1,886.88	0.00	0.00	0.00
6,395.12	90.00	268.16	4,620.00	-63.64	-1,980.98	1,982.00	0.00	0.00	0.00
6,400.00	90.15	268.16	4,619.99	-63.80	-1,985.85	1,986.88	3.00	3.00	0.01
6,461.70	92.00	268.16	4,618.84	-65.77	-2,047.50	2,048.56	3.00	3.00	0.01
6,500.00	92.00	268.16	4,617.50	-67.00	-2,085.76	2,086.84	0.00	0.00	0.00
6,600.00	92.00	268.16	4,614.02	-70.20	-2,185.65	2,186.78	0.00	0.00	0.00
6,700.00	92.00	268.16	4,610.54	-73.41	-2,285.54	2,286.72	0.00	0.00	0.00
6,800.00	92.00	268.16	4,607.05	-76.61	-2,385.43	2,386.66	0.00	0.00	0.00
6,900.00	92.00	268.16	4,603.57	-79.81	-2,485.32	2,486.60	0.00	0.00	0.00
7,000.00	92.00	268.16	4,600.08	-83.01	-2,585.20	2,586.54	0.00	0.00	0.00
7,100.00	92.00	268.16	4,596.60	-86.22	-2,685.09	2,686.47	0.00	0.00	0.00
7,200.00	92.00	268.16	4,593.11	-89.42	-2,784.98	2,786.41	0.00	0.00	0.00
7,300.00	92.00	268.16	4,589.63	-92.62	-2,884.87	2,886.35	0.00	0.00	0.00
7,400.00	92.00	268.16	4,586.14	-95.83	-2,984.75	2,986.29	0.00	0.00	0.00
7,500.00	92.00	268.16	4,582.66	-99.03	-3,084.64	3,086.23	0.00	0.00	0.00
7,600.00	92.00	268.16	4,579.17	-102.23	-3,184.53	3,186.17	0.00	0.00	0.00
7,700.00	92.00	268.16	4,575.69	-105.43	-3,284.42	3,286.11	0.00	0.00	0.00
7,800.00	92.00	268.16	4,572.20	-108.64	-3,384.31	3,386.05	0.00	0.00	0.00
7,900.00	92.00	268.16	4,568.72	-111.84	-3,484.19	3,485.99	0.00	0.00	0.00
8,000.00	92.00	268.16	4,565.23	-115.04	-3,584.08	3,585.93	0.00	0.00	0.00
8,100.00	92.00	268.16	4,561.75	-118.24	-3,683.97	3,685.87	0.00	0.00	0.00
8,200.00	92.00	268.16	4,558.26	-121.45	-3,783.86	3,785.81	0.00	0.00	0.00
8,300.00	92.00	268.16	4,554.78	-124.65	-3,883.75	3,885.75	0.00	0.00	0.00
8,379.49	92.00	268.16	4,552.01	-127.20	-3,963.15	3,965.19	0.00	0.00	0.00
8,379.64	92.00	268.16	4,552.00	-127.20	-3,963.30	3,965.34	3.00	1.88	-2.34
BHL (Po B #1HY)									

Targets

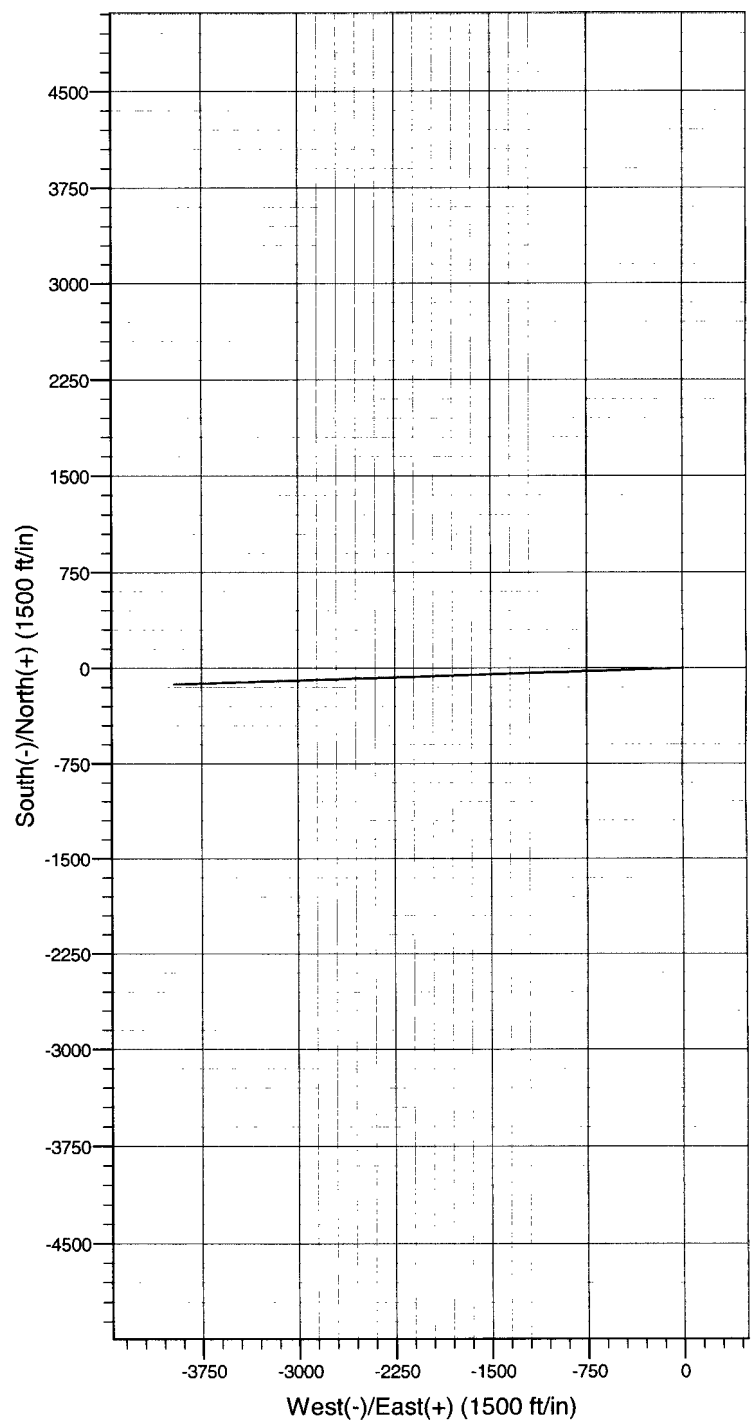
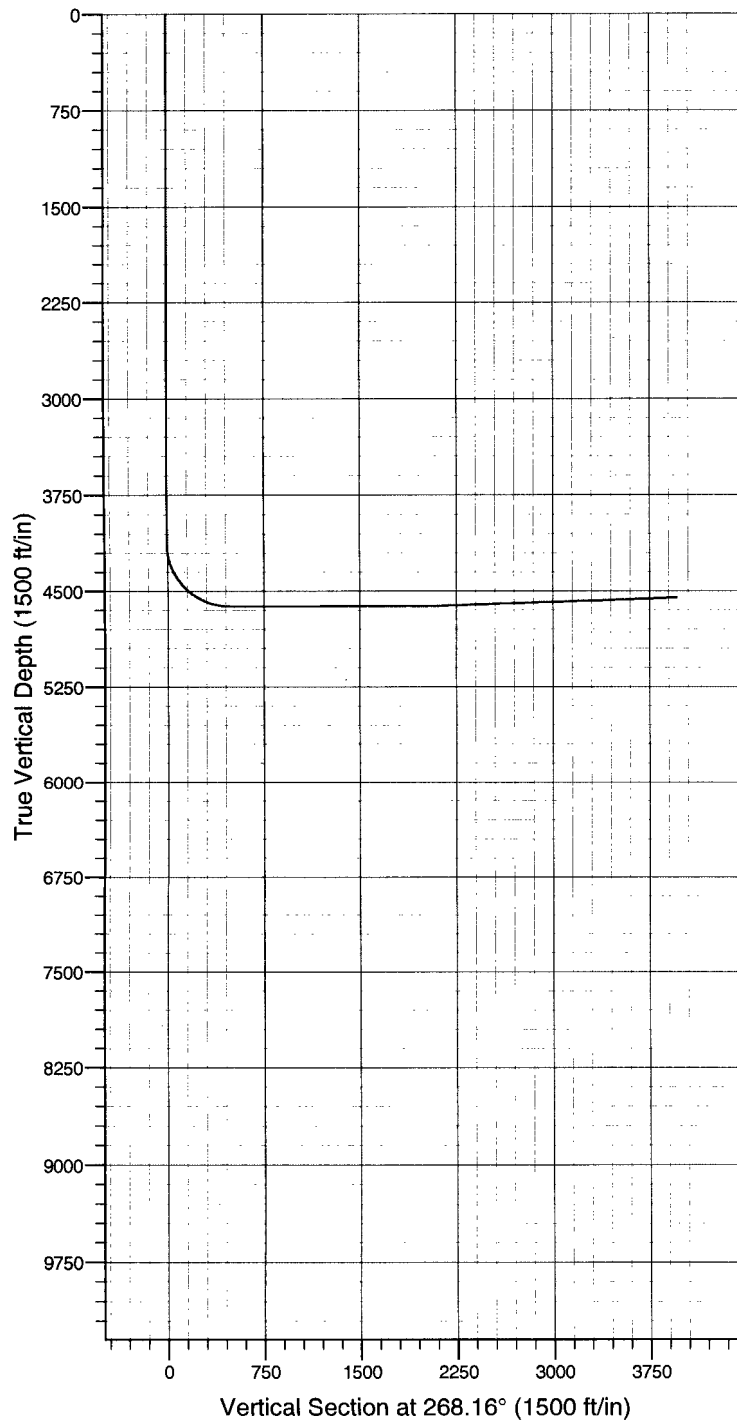
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (Po B #1HY)	0.00	360.00	4,552.00	-127.20	-3,963.30	710,864.60	434,141.40	32° 57' 14.599 N	104° 32' 52.932 W
- plan hits target									
- Point									

WELL DETAILS: Po B 1 Fee #1HY

+N/-S	+E/-W	Northing	Ground Level:	3557.00			
0.00	0.00	710991.80	Easting	438104.70	Latitude	Longitude	Slot
					32° 57' 15.935 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	4138.00	0.00	0.00	4138.00	0.00	0.00	0.00	0.00	0.00	
3	4895.12	90.00	268.16	4620.00	-15.48	-481.75	11.89	268.16	482.00	
4	6395.12	90.00	268.16	4620.00	-63.64	-1980.98	0.00	0.00	1982.00	
5	6461.70	92.00	268.16	4618.84	-65.77	-2047.50	3.00	0.10	2048.56	
6	8379.49	92.00	268.16	4552.01	-127.20	-3963.15	0.00	0.00	3965.19	
7	8379.64	92.00	268.16	4552.00	-127.20	-3963.30	3.80	0.01	3965.34	



Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: PO B 1 FEE #001H

API: 30-015-34751

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Please notify OCD time of spud and time to witness the cementing to surface of all casing strings.
BArrant	Approval from Santa Fe is required providing another well in the same proation unit is drilled to produce from the same formation.