

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. 30-015-34664
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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.)		7. Lease Name or Unit Agreement Name Frio A 8 Fee
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		8. Well Number 1H
2. Name of Operator EOG Resources, Inc.		9. OGRID Number 7377
3. Address of Operator P.O. Box 2267 Midland, Texas 79702		10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)
4. Well Location Unit Letter: M: 660 feet from the South line and 760 feet from the West line Section 8 Township 16S Range 25E NMPM County Eddy		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3527'		
Pit or Below-grade Tank Application ☒ or Closure ☐		
Pit type: Ground Depth to Groundwater: 75' Distance from nearest fresh water well: 950' Distance from nearest surface water: > 1,000'		
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 10,300 bbls; Construction Material: Synthetic		

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: Change surface location and bottom-hole ☒

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.

EOG Resources, Inc. (EOG) has elected to change the surface location and subsequent bottom-hole as described by the revised C-102 attached herewith.

Additionally, please find revised Casing Program, Cement Program, Mud Program and Planning Report.

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: 6/8/2006

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

For State Use Only

BRYAN G. ARRANT
DISTRICT II GEOLOGIST

JUN 16 2006

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

District I
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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
AMENDED REPORT

RECEIVED
JUN 12 2006
OIL-ANTERIOR

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-3466A	Pool Code 75260	Pool Name Cottonwood Creek ; WC Wes (Gas)
Property Code	Property Name FRIO A 8 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES INC.	Elevation 3527'

Surface Location

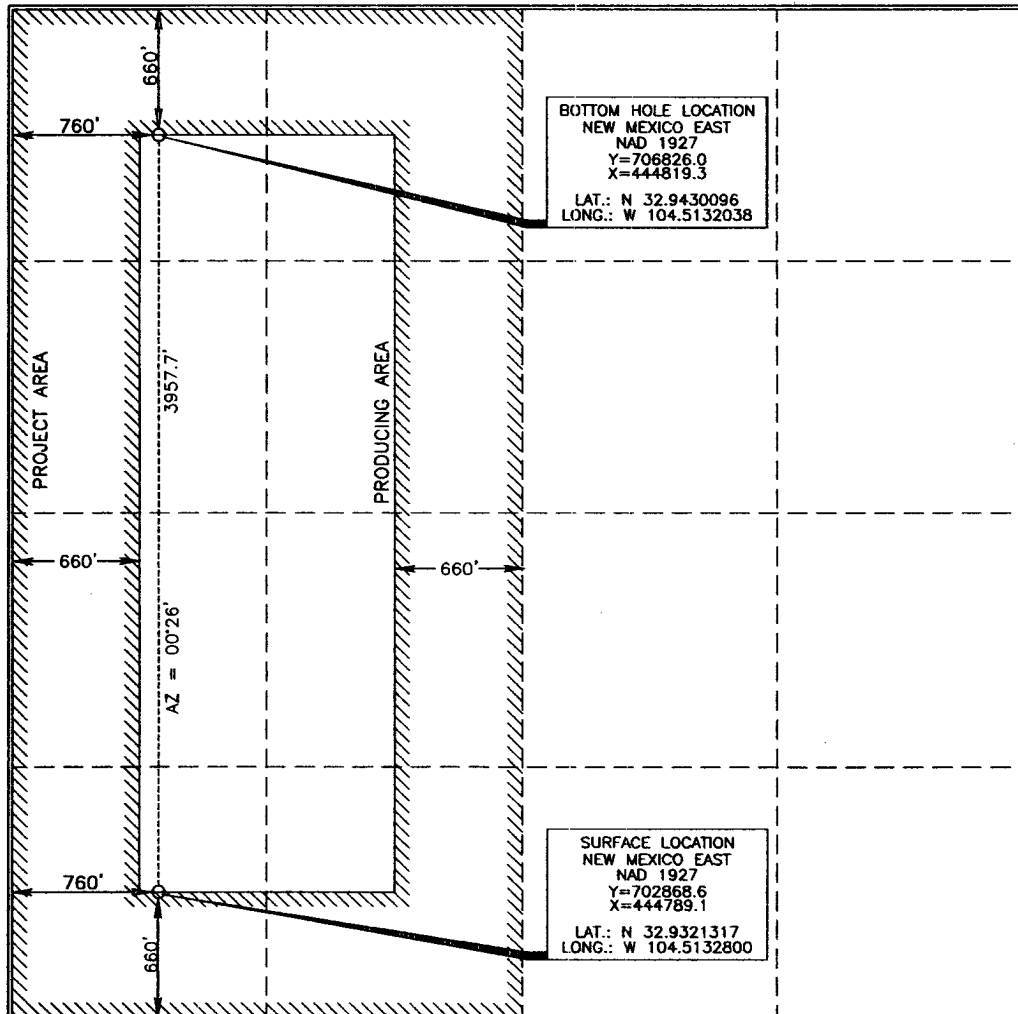
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	16 SOUTH	25 EAST, N.M.P.M.		660	SOUTH	760	WEST	EDDY

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
D	8	16 SOUTH	25 EAST, N.M.P.M.		660	NORTH	760	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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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.

Don D. Muth 6/8/06
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.

JUNE 3, 2006
Date of Survey
Terry J. Carl
Signature and Seal of Professional Surveyor
Certificate Number **15079**

WO# 060603WL-a (LA)

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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

RECEIVED
JUN 12 2006
COUNTY-ARTESIA

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34664	Pool Code 75260	Pool Name Cottonwood Creek; WC, West (gas)
Property Code	Property Name FRIO A B FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3500'

Surface Location

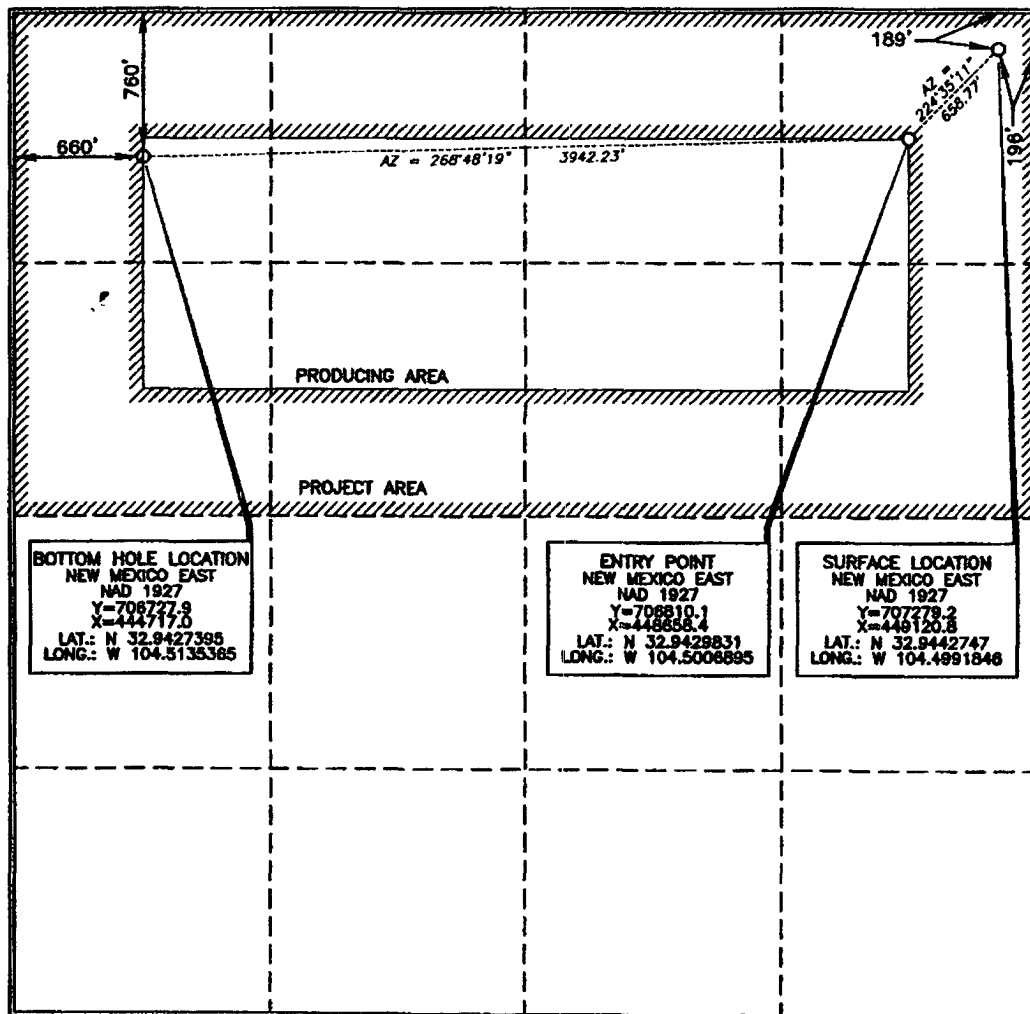
UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
A	8	16 SOUTH	25 EAST, N.M.P.M.		189	NORTH	196	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
D	8	16 SOUTH	25 EAST, N.M.P.M.		760	NORTH	680	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

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 **3/10/06**

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.

15079
DECEMBER 7, 2005
Date of Survey
Signature and Seal of Professional Surveyor

Terry J. Asel **12/14/05**
Certificate Number **15079**

WOF 051122WL-1 (CDE)

Permit Information:

Well Name: Frio A 8 Fee #1H

Revised 6/9/06

Location:

SL 660' FSL & 760' FWL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

BHL 660' FNL & 760' FWL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,000'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,351'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
1,000'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,351'	400	Lead: Interfill C + 1/4 pps Flocele
	300	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 – 1,000'	Fresh - Gel	8.6-8.8	28-34	N/c
1,000' – 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' – 5,100'	Cut Brine	8.8-9.2	28-34	10-15
4,118' – 8,351'	Polymer (Lateral)	9.0-9.4	40-45	10-20

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Frio A 8 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3545.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3545.0ft (Original Well Elev)
Site:	Frio A 8 Fee #1H	North Reference:	Grid
Well:	Frio A 8 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Frio A 8 Fee #1H		
Design:	Plan #1		

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

Site		Frio A 8 Fee #1H			
Site Position:		Northing:	702,868.60ft	Latitude:	32° 55' 55.674 N
From:	Map	Easting:	444,789.10ft	Longitude:	104° 30' 47.808 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.10 °

Well	Frio A 8 Fee #1H					
Well Position	+N/-S	0.0 ft	Northing:	702,868.60 ft	Latitude:	32° 55' 55.674 N
	+E/-W	0.0 ft	Easting:	444,789.10 ft	Longitude:	104° 30' 47.808 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	3,527.0 ft	

Wellbore	Frio A 8 Fee #1H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	2/28/2006	8.68	60.78	49,477

Design:	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	4,549.0	0.0	0.0	0.44

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,118.0	0.00	0.00	4,118.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,875.1	90.00	0.44	4,600.0	482.0	3.7	11.89	11.89	0.00	0.44	
6,393.2	90.00	0.44	4,600.0	2,000.0	15.4	0.00	0.00	0.00	0.00	
6,443.6	91.51	0.43	4,599.3	2,050.4	15.7	3.00	3.00	-0.01	-0.21	
8,350.9	91.51	0.43	4,549.0	3,957.0	30.2	0.00	0.00	0.00	0.00	
8,351.3	91.50	0.43	4,549.0	3,957.4	30.2	3.00	-2.82	-1.03	-160.02	BHL (Frio A #1H)

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Frio A 8 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3545.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3545.0ft (Original Well Elev)
Site:	Frio A 8 Fee #1H	North Reference:	Grid
Well:	Frio A 8 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Frio A 8 Fee #1H		
Design:	Plan #1		

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,118.0	0.00	0.00	4,118.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	9.75	0.44	4,199.6	7.0	0.1	7.0	11.89	11.89	0.00	
4,300.0	21.63	0.44	4,295.7	34.0	0.3	34.0	11.89	11.89	0.00	
4,400.0	33.52	0.44	4,384.2	80.2	0.6	80.2	11.89	11.89	0.00	
4,500.0	45.41	0.44	4,461.2	143.6	1.1	143.6	11.89	11.89	0.00	
4,600.0	57.30	0.44	4,523.6	221.6	1.7	221.6	11.89	11.89	0.00	
4,700.0	69.18	0.44	4,568.5	310.7	2.4	310.7	11.89	11.89	0.00	
4,800.0	81.07	0.44	4,594.2	407.2	3.1	407.2	11.89	11.89	0.00	
4,875.1	90.00	0.44	4,600.0	482.0	3.7	482.0	11.89	11.89	0.00	
4,900.0	90.00	0.44	4,600.0	506.9	3.9	506.9	0.00	0.00	0.00	
5,000.0	90.00	0.44	4,600.0	606.9	4.7	606.9	0.00	0.00	0.00	
5,100.0	90.00	0.44	4,600.0	706.9	5.4	706.9	0.00	0.00	0.00	

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Frio A 8 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3545.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3545.0ft (Original Well Elev)
Site:	Frio A 8 Fee #1H	North Reference:	Grid
Well:	Frio A 8 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Frio A 8 Fee #1H		
Design:	Plan #1		

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)
5,200.0	90.00	0.44	4,600.0	806.9	6.2	806.9	0.00	0.00	0.00
5,300.0	90.00	0.44	4,600.0	906.8	7.0	906.9	0.00	0.00	0.00
5,400.0	90.00	0.44	4,600.0	1,006.8	7.7	1,006.9	0.00	0.00	0.00
5,500.0	90.00	0.44	4,600.0	1,106.8	8.5	1,106.9	0.00	0.00	0.00
5,600.0	90.00	0.44	4,600.0	1,206.8	9.3	1,206.9	0.00	0.00	0.00
5,700.0	90.00	0.44	4,600.0	1,306.8	10.0	1,306.9	0.00	0.00	0.00
5,800.0	90.00	0.44	4,600.0	1,406.8	10.8	1,406.9	0.00	0.00	0.00
5,900.0	90.00	0.44	4,600.0	1,506.8	11.6	1,506.9	0.00	0.00	0.00
6,000.0	90.00	0.44	4,600.0	1,606.8	12.3	1,606.9	0.00	0.00	0.00
6,100.0	90.00	0.44	4,600.0	1,706.8	13.1	1,706.9	0.00	0.00	0.00
6,200.0	90.00	0.44	4,600.0	1,806.8	13.9	1,806.9	0.00	0.00	0.00
6,300.0	90.00	0.44	4,600.0	1,906.8	14.6	1,906.9	0.00	0.00	0.00
6,393.2	90.00	0.44	4,600.0	2,000.0	15.4	2,000.0	0.00	0.00	0.00
6,400.0	90.20	0.44	4,600.0	2,006.8	15.4	2,006.9	3.00	3.00	-0.01
6,443.6	91.51	0.43	4,599.3	2,050.4	15.7	2,050.4	3.00	3.00	-0.01
6,500.0	91.51	0.43	4,597.8	2,106.8	16.2	2,106.9	0.00	0.00	0.00
6,600.0	91.51	0.43	4,595.2	2,206.8	16.9	2,206.8	0.00	0.00	0.00
6,700.0	91.51	0.43	4,592.6	2,306.7	17.7	2,306.8	0.00	0.00	0.00
6,800.0	91.51	0.43	4,589.9	2,406.7	18.4	2,406.7	0.00	0.00	0.00
6,900.0	91.51	0.43	4,587.3	2,506.6	19.2	2,506.7	0.00	0.00	0.00
7,000.0	91.51	0.43	4,584.7	2,606.6	20.0	2,606.7	0.00	0.00	0.00
7,100.0	91.51	0.43	4,582.0	2,706.6	20.7	2,706.6	0.00	0.00	0.00
7,200.0	91.51	0.43	4,579.4	2,806.5	21.5	2,806.6	0.00	0.00	0.00
7,300.0	91.51	0.43	4,576.7	2,906.5	22.2	2,906.6	0.00	0.00	0.00
7,400.0	91.51	0.43	4,574.1	3,006.4	23.0	3,006.5	0.00	0.00	0.00
7,500.0	91.51	0.43	4,571.5	3,106.4	23.7	3,106.5	0.00	0.00	0.00
7,600.0	91.51	0.43	4,568.8	3,206.4	24.5	3,206.5	0.00	0.00	0.00
7,700.0	91.51	0.43	4,566.2	3,306.3	25.3	3,306.4	0.00	0.00	0.00
7,800.0	91.51	0.43	4,563.5	3,406.3	26.0	3,406.4	0.00	0.00	0.00
7,900.0	91.51	0.43	4,560.9	3,506.3	26.8	3,506.4	0.00	0.00	0.00
8,000.0	91.51	0.43	4,558.3	3,606.2	27.5	3,606.3	0.00	0.00	0.00
8,100.0	91.51	0.43	4,555.6	3,706.2	28.3	3,706.3	0.00	0.00	0.00
8,200.0	91.51	0.43	4,553.0	3,806.1	29.1	3,806.3	0.00	0.00	0.00
8,300.0	91.51	0.43	4,550.4	3,906.1	29.8	3,906.2	0.00	0.00	0.00
8,350.9	91.51	0.43	4,549.0	3,957.0	30.2	3,957.1	0.00	0.00	0.00
8,351.3	91.50	0.43	4,549.0	3,957.4	30.2	3,957.5	3.00	-2.82	-1.03

Targets

Target Name	- hit/miss-target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PP (Frio A #1H)	- plan misses by 3840.3ft at 8300.0ft MD (4550.4 TVD, 3906.1 N, 29.8 E)	0.00	0.00	4,627.0	3,891.5	3,869.3	706,760.10	448,658.40	32° 56' 34.245 N	104° 30' 2.481 W
	- Point									
BHL (Frio A #1H)	- plan hits target	0.00	0.00	4,549.0	3,957.4	30.2	706,826.00	444,819.30	32° 56' 34.834 N	104° 30' 47.533 W
	- Point									

SITE DETAILS: Frio A 8 Fee #1H

Site Centre Northing: 702868.60
Easting: 444789.10

Positional Uncertainty: 0.0
Convergence: -0.10
Local North: Grid

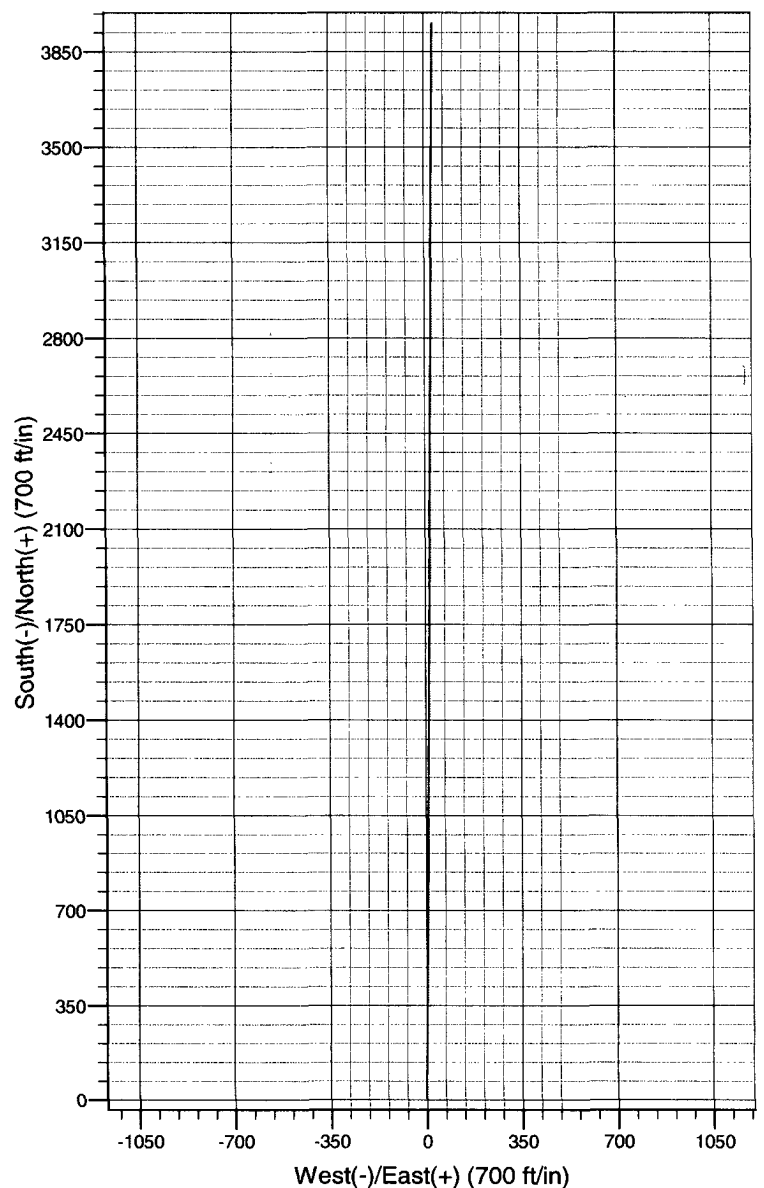
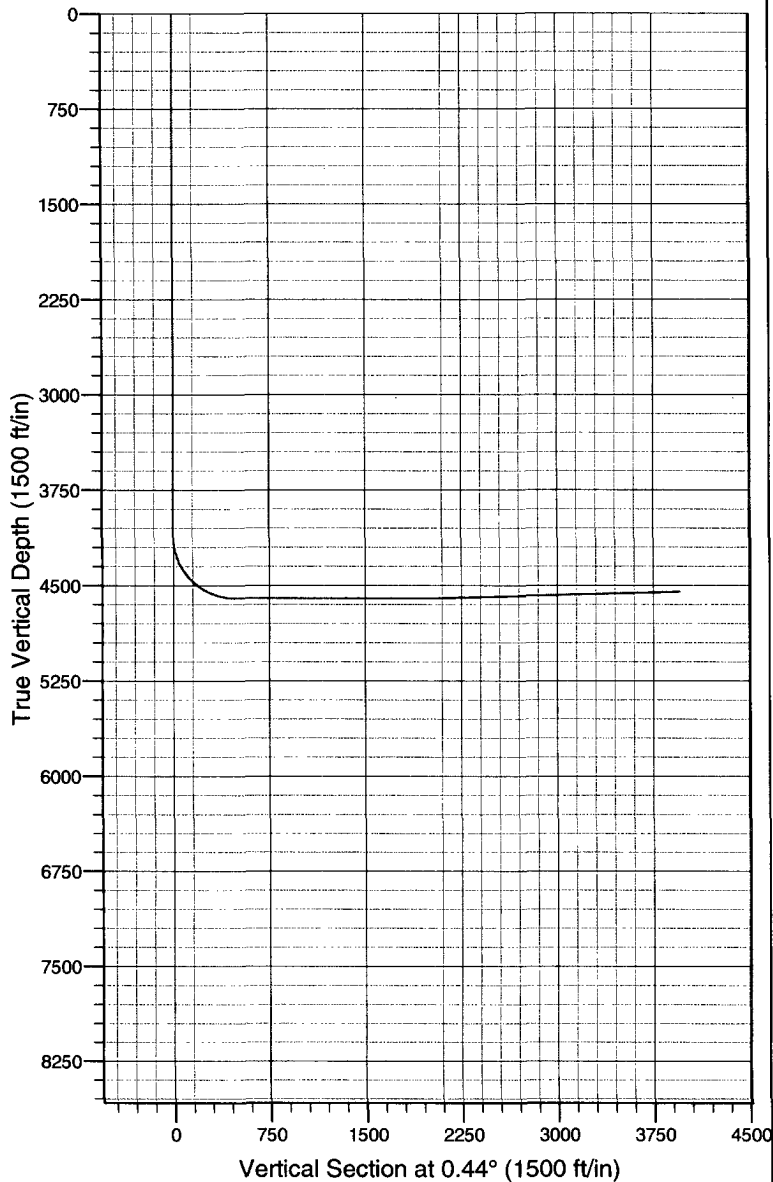
PROJECT DETAILS: Thames

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4118.0	0.00	0.00	4118.0	0.0	0.0	0.00	0.00	0.0	
4875.1	90.00	0.44	4600.0	482.0	3.7	11.89	0.44	482.0	
6393.2	90.00	0.44	4600.0	2000.0	15.4	0.00	0.00	2000.0	
6443.6	91.51	0.43	4599.3	2050.4	15.7	3.00	-0.21	2050.4	
8350.9	91.51	0.43	4549.0	3957.0	30.2	0.00	0.00	3957.1	
8351.3	91.50	0.43	4549.0	3957.4	30.2	3.00	-160.02	3957.5	BHL (Frio A #1H)



Permit Information:

Well Name: Frio A 8 Fee #1H

Location:

SL 189' FNL & 196' FEL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

BHL 760' FNL & 660' FWL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,962'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,962'	400	Lead: Interfill C + 1/4 pps Flocele
	300	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' – 5,100'	Cut Brine	8.8-9.2	28-34	10-15
4,200' – 8,962'	Polymer (Lateral)	9.0-9.4	40-45	10-20