

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

DEC 12 2005

U.S. ARTESIA

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-C15-34460	² Pool Code 75010	³ Pool Name Collins Ranch, Wolfcamp (Gas)
⁴ Property Code	⁵ Property Name TIGRIS "A" 7 FEE	⁶ Well Number 1H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3620'

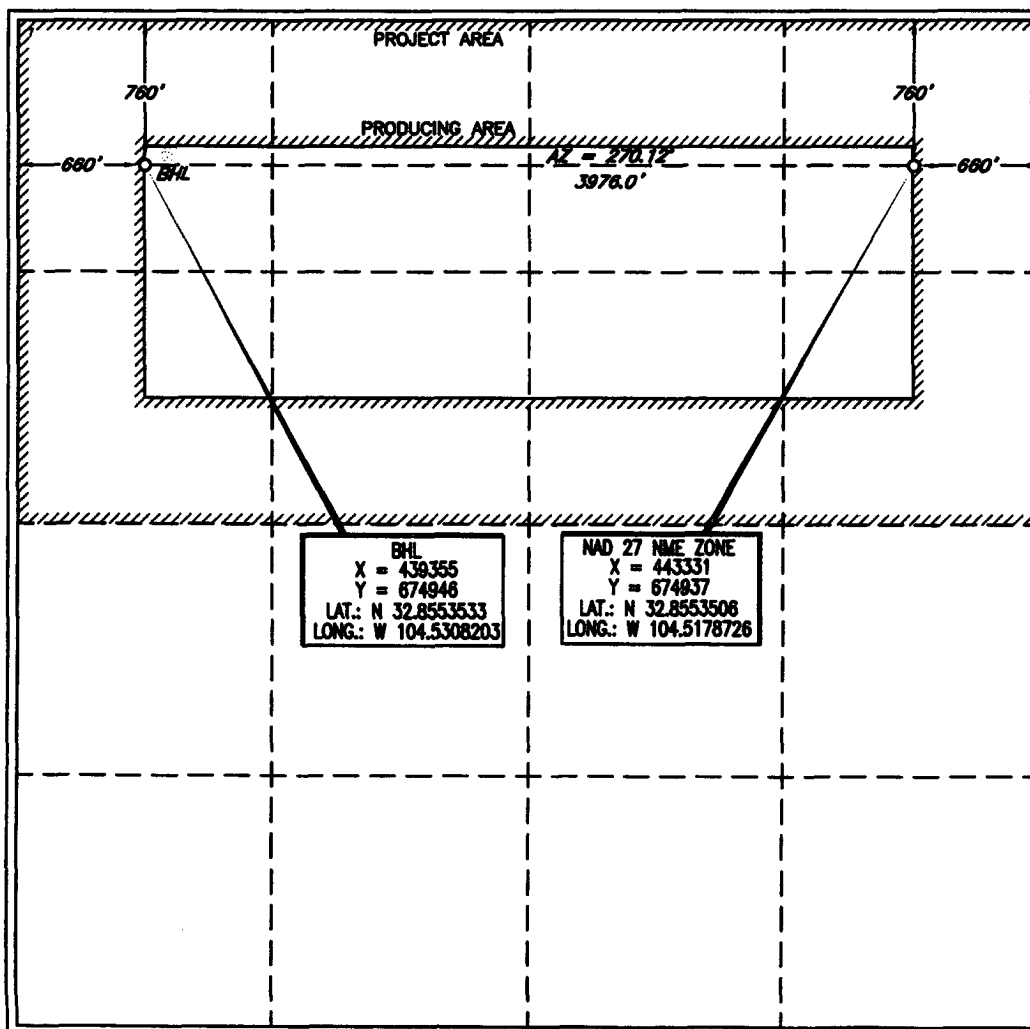
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	17 SOUTH	25 EAST, N.M.P.M.		760'	NORTH	660'	EAST	EDDY

¹¹ 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	7	17 SOUTH	25 EAST, N.M.P.M.		760'	NORTH	660'	WEST	EDDY
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Mike Francis
Signature

Mike Francis
Printed Name

Agent

This
12/10/2005
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of a duly qualified and licensed surveyor under my supervision, and that the same is true and correct to the best of my belief.

NOVEMBER 10 2005
7920

Date of Survey
Signature and Seal of Professional Surveyor

V. L. Bezner
Signature

V. L. BEZNER
R.P.S. #7920

JOB #107983 / 101 SE / J.W.W.



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(915) 686-3600

December 9, 2005

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
DEC 12 2005
000-111581A

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Tigris A 7 Fee #1H. 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,



Jason LaGrega
Drilling Engineer

Permit Information:

Well Name: Tigris A 7 #1H

Location:

SL 760' FNL & 660' FEL, Section 7, T-17-S, R-25-E, Eddy Co., N.M.

BHL 760' FNL & 660' FWL, Section 7, T-17-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	8,812'	7-7/8"	4 1/2"	11.6/ 13.5 #	P-110	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
8,812'	500	Lead: Interfill C + 1/4 pps Flocele
	400	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' – 4,600'	Cut Brine	8.8-9.2	28-34	N/c
4,600' – 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,618' – 8,812'	Polymer (Lateral)	9.0-9.4	40-45	10-20

EOG Resources Inc

Planning Report

Database: RDRILL.eogresources.com
 Company: EOG Midland
 Project: Thames
 Site: Tigris A 7 Fee #1H
 Well: Tigris A 7 Fee #1H
 Wellbore: Tigris A 7 Fee #1H
 Design: Plan #1

Local Co-ordinate Reference: Well Tigris A 7 Fee #1H
 TVD Reference: WELL @ 3638.0ft (Original Well Elev)
 MD Reference: WELL @ 3638.0ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project Thames

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

System Datum: Mean Sea Level

Site Tigris A 7 Fee #1H

Site Position: Northing: 674,937.00ft Latitude: 32° 51' 19.259 N
From: Map Easting: 443,331.00ft Longitude: 104° 31' 4.343 W
Position Uncertainty: 0.0 ft Slot Radius: " Grid Convergence: -0.10 °

Well Tigris A 7 Fee #1H

Well Position +N/-S 0.0 ft Northing: 674,937.00ft Latitude: 32° 51' 19.259 N
 +E/-W 0.0 ft Easting: 443,331.00ft Longitude: 104° 31' 4.343 W
Position Uncertainty 0.0 ft Wellhead Elevation: ft Ground Level: 3,620.0ft

Wellbore Tigris A 7 Fee #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	12/31/2004	9.05	60.84	49,714

Design Plan #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,000.0	0.0	0.0	270.13

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	
4,618.0	0.00	0.00	4,618.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,218.0	90.00	270.12	5,000.0	0.8	-382.0	15.00	15.00	0.00	270.12	
5,218.4	90.00	270.13	5,000.0	0.8	-382.3	3.00	0.00	3.00	90.00	
8,812.0	90.00	270.13	5,000.0	9.0	-3,976.0	0.00	0.00	0.00	0.00	
8,812.1	90.00	270.13	5,000.0	9.0	-3,976.0	3.00	0.00	-3.00	-90.00	BHL (TigrisA7#1H)

EOG Resources Inc

Planning Report

Database: RDRILL.eogresources.com Company: EOG Midland Project: Thames Site: Tigris A 7 Fee #1H Well: Tigris A 7 Fee #1H Wellbore: Tigris A 7 Fee #1H Design: Plan #1	Local Co-ordinate Reference: Well Tigris A 7 Fee #1H TVD Reference: WELL @ 3638.0ft (Original Well Elev) MD Reference: WELL @ 3638.0ft (Original Well Elev) North Reference: Grid Survey Calculation Method: Minimum Curvature	
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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
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,618.0	0.00	0.00	4,618.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	12.30	270.12	4,699.4	0.0	-8.8	8.8	15.00	15.00	0.00
4,800.0	27.30	270.12	4,793.2	0.1	-42.5	42.5	15.00	15.00	0.00
4,900.0	42.30	270.12	4,875.1	0.2	-99.4	99.4	15.00	15.00	0.00
5,000.0	57.30	270.12	4,939.4	0.4	-175.6	175.6	15.00	15.00	0.00
5,100.0	72.29	270.12	4,981.9	0.6	-265.8	265.8	15.00	15.00	0.00
5,200.0	87.29	270.12	4,999.6	0.8	-364.0	364.0	15.00	15.00	0.00

EOG Resources Inc

Planning Report

Database: RDRILL.eogresources.com
Company: EOG Midland
Project: Thames
Site: Tigris A 7 Fee #1H
Well: Tigris A 7 Fee #1H
Wellbore: Tigris A 7 Fee #1H
Design: Plan #1

Local Co-ordinate Reference: Well Tigris A 7 Fee #1H
TVD Reference: WELL @ 3638.0ft (Original Well Elev)
MD Reference: WELL @ 3638.0ft (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)
5,218.0	90.00	270.12	5,000.0	0.8	-382.0	382.0	15.00	15.00	0.00
5,218.4	90.00	270.13	5,000.0	0.8	-382.3	382.3	3.00	0.00	3.00
5,300.0	90.00	270.13	5,000.0	1.0	-464.0	464.0	0.00	0.00	0.00
5,400.0	90.00	270.13	5,000.0	1.2	-564.0	564.0	0.00	0.00	0.00
5,500.0	90.00	270.13	5,000.0	1.4	-664.0	664.0	0.00	0.00	0.00
5,600.0	90.00	270.13	5,000.0	1.7	-764.0	764.0	0.00	0.00	0.00
5,700.0	90.00	270.13	5,000.0	1.9	-864.0	864.0	0.00	0.00	0.00
5,800.0	90.00	270.13	5,000.0	2.1	-964.0	964.0	0.00	0.00	0.00
5,900.0	90.00	270.13	5,000.0	2.4	-1,064.0	1,064.0	0.00	0.00	0.00
6,000.0	90.00	270.13	5,000.0	2.6	-1,164.0	1,164.0	0.00	0.00	0.00
6,100.0	90.00	270.13	5,000.0	2.8	-1,264.0	1,264.0	0.00	0.00	0.00
6,200.0	90.00	270.13	5,000.0	3.0	-1,364.0	1,364.0	0.00	0.00	0.00
6,300.0	90.00	270.13	5,000.0	3.3	-1,464.0	1,464.0	0.00	0.00	0.00
6,400.0	90.00	270.13	5,000.0	3.5	-1,564.0	1,564.0	0.00	0.00	0.00
6,500.0	90.00	270.13	5,000.0	3.7	-1,664.0	1,664.0	0.00	0.00	0.00
6,600.0	90.00	270.13	5,000.0	4.0	-1,764.0	1,764.0	0.00	0.00	0.00
6,700.0	90.00	270.13	5,000.0	4.2	-1,864.0	1,864.0	0.00	0.00	0.00
6,800.0	90.00	270.13	5,000.0	4.4	-1,964.0	1,964.0	0.00	0.00	0.00
6,900.0	90.00	270.13	5,000.0	4.6	-2,064.0	2,064.0	0.00	0.00	0.00
7,000.0	90.00	270.13	5,000.0	4.9	-2,164.0	2,164.0	0.00	0.00	0.00
7,100.0	90.00	270.13	5,000.0	5.1	-2,264.0	2,264.0	0.00	0.00	0.00
7,200.0	90.00	270.13	5,000.0	5.3	-2,363.9	2,364.0	0.00	0.00	0.00
7,300.0	90.00	270.13	5,000.0	5.6	-2,463.9	2,464.0	0.00	0.00	0.00
7,400.0	90.00	270.13	5,000.0	5.8	-2,563.9	2,564.0	0.00	0.00	0.00
7,500.0	90.00	270.13	5,000.0	6.0	-2,663.9	2,664.0	0.00	0.00	0.00
7,600.0	90.00	270.13	5,000.0	6.2	-2,763.9	2,764.0	0.00	0.00	0.00
7,700.0	90.00	270.13	5,000.0	6.5	-2,863.9	2,864.0	0.00	0.00	0.00
7,800.0	90.00	270.13	5,000.0	6.7	-2,963.9	2,964.0	0.00	0.00	0.00
7,900.0	90.00	270.13	5,000.0	6.9	-3,063.9	3,064.0	0.00	0.00	0.00
8,000.0	90.00	270.13	5,000.0	7.1	-3,163.9	3,164.0	0.00	0.00	0.00
8,100.0	90.00	270.13	5,000.0	7.4	-3,263.9	3,264.0	0.00	0.00	0.00
8,200.0	90.00	270.13	5,000.0	7.6	-3,363.9	3,364.0	0.00	0.00	0.00
8,300.0	90.00	270.13	5,000.0	7.8	-3,463.9	3,464.0	0.00	0.00	0.00
8,400.0	90.00	270.13	5,000.0	8.1	-3,563.9	3,564.0	0.00	0.00	0.00
8,500.0	90.00	270.13	5,000.0	8.3	-3,663.9	3,664.0	0.00	0.00	0.00
8,600.0	90.00	270.13	5,000.0	8.5	-3,763.9	3,764.0	0.00	0.00	0.00
8,700.0	90.00	270.13	5,000.0	8.7	-3,863.9	3,864.0	0.00	0.00	0.00
8,800.0	90.00	270.13	5,000.0	9.0	-3,963.9	3,964.0	0.00	0.00	0.00
8,812.1	90.00	270.13	5,000.0	9.0	-3,976.0	3,976.0	0.01	0.00	-0.01

BHL (TigrisA7#1H)

Targets

Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL (TigrisA7#1H)	- plan misses by 3594.0ft at 5218.0ft MD (5000.0 TVD, 0.8 N, -382.0 E)	0.00	0.00	5,000.0	9.0	-3,976.0	674,946.00	439,355.00	32° 51' 19.277 N	104° 31' 50.955 W
	- Point									

WELL DETAILS: Tigris A 7 Fee #1H

Ground Level: 3620.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 674937.00 443331.32° 51' 19.25904° 31' 4.343 W

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	
4618.0	0.00	0.00	4618.0	0.0	0.0	0.00	0.00	0.0	
5218.0	90.00	270.12	5000.0	0.8	-382.0	15.00	270.12	382.0	
5218.4	90.00	270.13	5000.0	0.8	-382.3	3.00	90.00	382.3	
8812.0	90.00	270.13	5000.0	9.0	-3976.0	0.00	0.00	3976.0	
8812.1	90.00	270.13	5000.0	9.0	-3976.0	3.00-90.00	3976.0		BHL (TigrisA7#1H)

