

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

DISTRICT IV

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

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 90-015-34415		² Pool Code 75010		³ Pool Name Collins Ranch, Wolfcamp (gas)	
⁴ Property Code		⁵ Property Name TIGRIS "B" 7 FEE			⁶ Well Number 1H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3630'

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
I	7	17 SOUTH	25 EAST, N.M.P.M.		1880'	SOUTH	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
L	7	17 SOUTH	25 EAST, N.M.P.M.		1880'	SOUTH	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

¹⁶

RECEIVED
FEB 14 2006
OCU-ARTESIA

¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Donny G. Glanton
Signature
Donny G. Glanton
Printed Name
Lease Operations Representative
Title
2/13/06
Date

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
V. L. Bezner
Signature
V. L. BEZNER
R.P.S. #7920
Date of Survey
NOVEMBER 10, 2005
Date of Survey
7920
Seal of Professional Surveyor
LICENSED LAND SURVEYOR
JOB #107985 / 101 SE / J.W.W.

February 7, 2006

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

Re: Tigris B 7 Fee #1H
Section 7, T17-S, R25-E
Eddy County, New Mexico

RECEIVED
FEB 14 2006
UCC-ARTERIA

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Tigris B 7 Fee #1H well. The current plan is to complete this well in the Wolfcamp formation, which is sweet, and I do not anticipate encountering any H₂S bearing formations during drilling operations.

Sincerely,

A handwritten signature in cursive script, reading "Ron McIntyre".

Ron McIntyre
Drilling Engineer

Permit Information:

Well Name: Tigris B 7 Fee #1H

Location:

SL: 1880' FSL & 660' FEL, Section 7, T-17-S, R-25-E, Eddy Co., N.M.

BHL: 1880' 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	8,801'	7-7/8"	5-1/2"	17.5 #	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + ¼ pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + ¼ pps Flocele
8,801'	500	Lead: Interfill C + ¼ 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' – 4,600'	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' – 8,801'	Polymer (Lateral)	9.0-9.4	40-45	10-20

EOG - Midland (3)

Thames

Tigris B 7 Fee #1H

Tigris B 7 Fee #1H

Plan #1 Preliminary

Plan: Plan #1 Preliminary

RECEIVED
FEB 14 2006
OCC-ARTEDIA

Standard Planning Report

06 February, 2006

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Tigris B 7 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3648.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3648.0ft (Original Well Elev)
Site:	Tigris B 7 Fee #1H	North Reference:	Grid
Well:	Tigris B 7 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan #1 Preliminary		
Design:	Plan #1 Preliminary		

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		Tigris B 7 Fee #1H			
Site Position:		Northing:	672,257.00 ft	Latitude:	32° 50' 52.739 N
From:	Map	Easting:	443,313.00 ft	Longitude:	104° 31' 4.499 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.10 °

Well	Tigris B 7 Fee #1H, Eddy County, NM					
Well Position	+N/-S	0.0 ft	Northing:	672,257.00 ft	Latitude:	32° 50' 52.739 N
	+E/-W	0.0 ft	Easting:	443,313.00 ft	Longitude:	104° 31' 4.499 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	3,630.0 ft

Wellbore	Plan #1 Preliminary				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	2/6/2006	8.68	60.71	49,403

Design	Plan #1 Preliminary			
Audit Notes:				
Version:	Phase:	PROTOTYPE		Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	270.07

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
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	270.07	5,000.0	0.5	-382.0	15.00	15.00	0.00	270.07	
8,801.0	90.00	270.07	5,000.0	5.0	-3,965.0	0.00	0.00	0.00	90.00	PBHL Tigris B 7 Fee 1

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Tigris B 7 Fee #1H
Well: Tigris B 7 Fee #1H
Wellbore: Plan #1 Preliminary
Design: Plan #1 Preliminary

Local Co-ordinate Reference: Well Tigris B 7 Fee #1H
TVD Reference: WELL @ 3648.0ft (Original Well Elev)
MD Reference: WELL @ 3648.0ft (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)
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
KOP									
4,625.0	1.05	270.07	4,625.0	0.0	-0.1	0.1	15.00	15.00	0.00
4,650.0	4.80	270.07	4,650.0	0.0	-1.3	1.3	15.00	15.00	0.00
4,675.0	8.55	270.07	4,674.8	0.0	-4.2	4.2	15.00	15.00	0.00
4,700.0	12.30	270.07	4,699.4	0.0	-8.8	8.8	15.00	15.00	0.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Tigris B 7 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3648.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3648.0ft (Original Well Elev)
Site:	Tigris B 7 Fee #1H	North Reference:	Grid
Well:	Tigris B 7 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan #1 Preliminary		
Design:	Plan #1 Preliminary		

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)
4,725.0	16.05	270.07	4,723.6	0.0	-14.9	14.9	15.00	15.00	0.00
4,750.0	19.80	270.07	4,747.4	0.0	-22.6	22.6	15.00	15.00	0.00
4,775.0	23.55	270.07	4,770.6	0.0	-31.8	31.8	15.00	15.00	0.00
4,800.0	27.30	270.07	4,793.2	0.1	-42.5	42.5	15.00	15.00	0.00
4,825.0	31.05	270.07	4,815.0	0.1	-54.7	54.7	15.00	15.00	0.00
4,850.0	34.80	270.07	4,836.0	0.1	-68.3	68.3	15.00	15.00	0.00
4,875.0	38.55	270.07	4,856.0	0.1	-83.2	83.2	15.00	15.00	0.00
4,900.0	42.30	270.07	4,875.1	0.1	-99.4	99.4	15.00	15.00	0.00
4,925.0	46.05	270.07	4,893.0	0.1	-116.9	116.9	15.00	15.00	0.00
4,950.0	49.80	270.07	4,909.8	0.2	-135.4	135.4	15.00	15.00	0.00
4,975.0	53.55	270.07	4,925.3	0.2	-155.0	155.0	15.00	15.00	0.00
5,000.0	57.30	270.07	4,939.4	0.2	-175.6	175.6	15.00	15.00	0.00
5,025.0	61.05	270.07	4,952.3	0.2	-197.1	197.1	15.00	15.00	0.00
5,050.0	64.80	270.07	4,963.6	0.3	-219.3	219.3	15.00	15.00	0.00
5,075.0	68.54	270.07	4,973.5	0.3	-242.3	242.3	15.00	15.00	0.00
5,100.0	72.29	270.07	4,981.9	0.3	-265.8	265.8	15.00	15.00	0.00
5,125.0	76.04	270.07	4,988.7	0.4	-289.9	289.9	15.00	15.00	0.00
5,150.0	79.79	270.07	4,994.0	0.4	-314.3	314.3	15.00	15.00	0.00
5,175.0	83.54	270.07	4,997.6	0.4	-339.0	339.0	15.00	15.00	0.00
5,200.0	87.29	270.07	4,999.6	0.4	-364.0	364.0	15.00	15.00	0.00
5,218.0	90.00	270.07	5,000.0	0.5	-382.0	382.0	15.00	15.00	0.00
End of Curve									
5,300.0	90.00	270.07	5,000.0	0.6	-464.0	464.0	0.00	0.00	0.00
5,400.0	90.00	270.07	5,000.0	0.7	-564.0	564.0	0.00	0.00	0.00
5,500.0	90.00	270.07	5,000.0	0.8	-664.0	664.0	0.00	0.00	0.00
5,600.0	90.00	270.07	5,000.0	0.9	-764.0	764.0	0.00	0.00	0.00
5,700.0	90.00	270.07	5,000.0	1.1	-864.0	864.0	0.00	0.00	0.00
5,800.0	90.00	270.07	5,000.0	1.2	-964.0	964.0	0.00	0.00	0.00
5,900.0	90.00	270.07	5,000.0	1.3	-1,064.0	1,064.0	0.00	0.00	0.00
6,000.0	90.00	270.07	5,000.0	1.4	-1,164.0	1,164.0	0.00	0.00	0.00
6,100.0	90.00	270.07	5,000.0	1.6	-1,264.0	1,264.0	0.00	0.00	0.00
6,200.0	90.00	270.07	5,000.0	1.7	-1,364.0	1,364.0	0.00	0.00	0.00
6,300.0	90.00	270.07	5,000.0	1.8	-1,464.0	1,464.0	0.00	0.00	0.00
6,400.0	90.00	270.07	5,000.0	1.9	-1,564.0	1,564.0	0.00	0.00	0.00
6,500.0	90.00	270.07	5,000.0	2.1	-1,664.0	1,664.0	0.00	0.00	0.00
6,600.0	90.00	270.07	5,000.0	2.2	-1,764.0	1,764.0	0.00	0.00	0.00
6,700.0	90.00	270.07	5,000.0	2.3	-1,864.0	1,864.0	0.00	0.00	0.00
6,800.0	90.00	270.07	5,000.0	2.4	-1,964.0	1,964.0	0.00	0.00	0.00
6,900.0	90.00	270.07	5,000.0	2.6	-2,064.0	2,064.0	0.00	0.00	0.00
7,000.0	90.00	270.07	5,000.0	2.7	-2,164.0	2,164.0	0.00	0.00	0.00
7,100.0	90.00	270.07	5,000.0	2.8	-2,264.0	2,264.0	0.00	0.00	0.00
7,200.0	90.00	270.07	5,000.0	2.9	-2,364.0	2,364.0	0.00	0.00	0.00
7,300.0	90.00	270.07	5,000.0	3.1	-2,464.0	2,464.0	0.00	0.00	0.00
7,400.0	90.00	270.07	5,000.0	3.2	-2,564.0	2,564.0	0.00	0.00	0.00
7,500.0	90.00	270.07	5,000.0	3.3	-2,664.0	2,664.0	0.00	0.00	0.00
7,600.0	90.00	270.07	5,000.0	3.4	-2,764.0	2,764.0	0.00	0.00	0.00
7,700.0	90.00	270.07	5,000.0	3.6	-2,864.0	2,864.0	0.00	0.00	0.00
7,800.0	90.00	270.07	5,000.0	3.7	-2,964.0	2,964.0	0.00	0.00	0.00
7,900.0	90.00	270.07	5,000.0	3.8	-3,064.0	3,064.0	0.00	0.00	0.00
8,000.0	90.00	270.07	5,000.0	4.0	-3,164.0	3,164.0	0.00	0.00	0.00
8,100.0	90.00	270.07	5,000.0	4.1	-3,264.0	3,264.0	0.00	0.00	0.00
8,200.0	90.00	270.07	5,000.0	4.2	-3,364.0	3,364.0	0.00	0.00	0.00
8,300.0	90.00	270.07	5,000.0	4.3	-3,464.0	3,464.0	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Tigris B 7 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3648.0ft (Original Well Elev)
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Well:	Tigris B 7 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan #1 Preliminary		
Design:	Plan #1 Preliminary		

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)
8,400.0	90.00	270.07	5,000.0	4.5	-3,564.0	3,564.0	0.00	0.00	0.00
8,500.0	90.00	270.07	5,000.0	4.6	-3,664.0	3,664.0	0.00	0.00	0.00
8,600.0	90.00	270.07	5,000.0	4.7	-3,764.0	3,764.0	0.00	0.00	0.00
8,700.0	90.00	270.07	5,000.0	4.9	-3,864.0	3,864.0	0.00	0.00	0.00
8,801.0	90.00	270.07	5,000.0	5.0	-3,965.0	3,965.0	0.00	0.00	0.00
PBHL Tigris B 7 Fee #1									

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									
PBHL Tigris B 7 Fee #1	0.00	0.00	5,000.0	5.0	-3,965.0	672,262.00	439,348.00	32° 50' 52.718 N	104° 31' 50.978 W
- plan misses by 501.0ft at 8300.0ft MD (5000.0 TVD, 4.3 N, -3464.0 E)									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,618.0	4,618.0	0.0	0.0	KOP
5,218.0	5,000.0	0.5	-382.0	End of Curve

EOG - Midland (3)

Project: Thames
 Site: Tigris B 7 Fee #1H
 Well: Tigris B 7 Fee #1H
 Wellbore: Plan #1 Preliminary
 Design: Plan #1 Preliminary

WELL DETAILS: Tigris B 7 Fee #1H						
		Ground Level:		3630.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	672257.00	443313.00	32° 50' 52.739 N	104° 31' 4.499 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	270.07	5000.0	0.5	-382.0	15.00	270.07	382.0	
8801.0	90.00	270.07	5000.0	5.0	-3965.0	0.00	90.00	3965.0	PBHL Tigris B 7 Fee #1

