

Permit Information:

Well Name: Guadalupe 8 Federal #1H

30 - 015 - 34841

Location:

SL 1880' FNL & 660' FEL, Section 8, T-16-S, R-24-E, Eddy Co., N.M.

BHL 1880' FSL & 660' FWL, Section 8, 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'	9-7/8"	7"	23#	J-55	Surface
Production	8,224'	6-1/8"	4 1/2"	11.6#	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
8,224'	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 - 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' - 8,224'	Polymer (Lateral)	9.0-9.4	40-45	10-20

EOG - Midland (3)

Thames

Guadalupe 8 Fed #1H

Guadalupe 8 Fed #1H

Guadalupe 8 Fed #1H

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FEB 17 2006

WCD-ART-12314

Plan: Plan #1 021406

Standard Planning Report

14 February, 2006

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Guadalupe 8 Fed #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3660.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3660.0ft (Original Well Elev)
Site:	Guadalupe 8 Fed #1H	North Reference:	Grid
Well:	Guadalupe 8 Fed #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Guadalupe 8 Fed #1H		
Design:	Plan #1 021406		

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	Guadalupe 8 Fed #1H		
Site Position:		Northing:	705,484.00ft
From:	Map	Easting:	416,908.90ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	32° 56' 20.964 N
		Longitude:	104° 36' 15.012 W
		Grid Convergence:	-0.15 °

Well	Guadalupe 8 Fed #1H, Eddy County, NM		
Well Position	+N/-S	0.0 ft	Northing: 705,484.00 ft
	+E/-W	0.0 ft	Easting: 416,908.90 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	32° 56' 20.964 N
		Longitude:	104° 36' 15.012 W
		Ground Level:	3,645.0 ft

Wellbore	Guadalupe 8 Fed #1H		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005	2/14/2006	(°)
			8.72
			Dip Angle
			(°)
			60.77
			Field Strength
			(nT)
			49,446

Design	Plan #1 021406		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			270.05

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	
4,018.0	0.00	0.00	4,018.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,618.0	90.00	270.05	4,400.0	0.3	-382.0	15.00	15.00	0.00	270.05	
8,223.9	90.00	270.04	4,400.0	3.3	-3,987.9	0.00	0.00	0.00	-90.00	PBHL Guadalupe 8

EOG RESOURCES INC.

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Project:	Thames	MD Reference:	WELL @ 3660.0ft (Original Well Elev)
Site:	Guadalupe 8 Fed #1H	North Reference:	Grid
Well:	Guadalupe 8 Fed #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Guadalupe 8 Fed #1H		
Design:	Plan #1 021406		

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
4,018.0	0.00	0.00	4,018.0	0.0	0.0	0.0	0.00	0.00	0.00
4,025.0	1.05	270.05	4,025.0	0.0	-0.1	0.1	15.00	15.00	0.00
4,050.0	4.80	270.05	4,050.0	0.0	-1.3	1.3	15.00	15.00	0.00
4,075.0	8.55	270.05	4,074.8	0.0	-4.2	4.2	15.00	15.00	0.00
4,100.0	12.30	270.05	4,099.4	0.0	-8.8	8.8	15.00	15.00	0.00
4,125.0	16.05	270.05	4,123.6	0.0	-14.9	14.9	15.00	15.00	0.00
4,150.0	19.80	270.05	4,147.4	0.0	-22.6	22.6	15.00	15.00	0.00
4,175.0	23.55	270.05	4,170.6	0.0	-31.8	31.8	15.00	15.00	0.00
4,200.0	27.30	270.05	4,193.2	0.0	-42.5	42.5	15.00	15.00	0.00
4,225.0	31.05	270.05	4,215.0	0.0	-54.7	54.7	15.00	15.00	0.00
4,250.0	34.80	270.05	4,236.0	0.1	-68.3	68.3	15.00	15.00	0.00
4,275.0	38.55	270.05	4,256.0	0.1	-83.2	83.2	15.00	15.00	0.00
4,300.0	42.30	270.05	4,275.1	0.1	-99.4	99.4	15.00	15.00	0.00

EOG RESOURCES INC.

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Site:	Guadalupe 8 Fed #1H	North Reference:	Grid
Well:	Guadalupe 8 Fed #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Guadalupe 8 Fed #1H		
Design:	Plan #1 021406		

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)
4,325.0	46.05	270.05	4,293.0	0.1	-116.9	116.9	15.00	15.00	0.00
4,350.0	49.80	270.05	4,309.8	0.1	-135.4	135.4	15.00	15.00	0.00
4,375.0	53.55	270.05	4,325.3	0.1	-155.0	155.0	15.00	15.00	0.00
4,400.0	57.30	270.05	4,339.4	0.2	-175.6	175.6	15.00	15.00	0.00
4,425.0	61.05	270.05	4,352.3	0.2	-197.1	197.1	15.00	15.00	0.00
4,450.0	64.80	270.05	4,363.6	0.2	-219.3	219.3	15.00	15.00	0.00
4,475.0	68.54	270.05	4,373.5	0.2	-242.3	242.3	15.00	15.00	0.00
4,500.0	72.29	270.05	4,381.9	0.2	-265.8	265.8	15.00	15.00	0.00
4,525.0	76.04	270.05	4,388.7	0.3	-289.9	289.9	15.00	15.00	0.00
4,550.0	79.79	270.05	4,394.0	0.3	-314.3	314.3	15.00	15.00	0.00
4,575.0	83.54	270.05	4,397.6	0.3	-339.0	339.0	15.00	15.00	0.00
4,600.0	87.29	270.05	4,399.6	0.3	-364.0	364.0	15.00	15.00	0.00
4,618.0	90.00	270.05	4,400.0	0.3	-382.0	382.0	15.00	15.00	0.00
4,700.0	90.00	270.05	4,400.0	0.4	-464.0	464.0	0.00	0.00	0.00
4,800.0	90.00	270.05	4,400.0	0.5	-564.0	564.0	0.00	0.00	0.00
4,900.0	90.00	270.05	4,400.0	0.6	-664.0	664.0	0.00	0.00	0.00
5,000.0	90.00	270.05	4,400.0	0.7	-764.0	764.0	0.00	0.00	0.00
5,100.0	90.00	270.05	4,400.0	0.8	-864.0	864.0	0.00	0.00	0.00
5,200.0	90.00	270.05	4,400.0	0.8	-964.0	964.0	0.00	0.00	0.00
5,300.0	90.00	270.05	4,400.0	0.9	-1,064.0	1,064.0	0.00	0.00	0.00
5,400.0	90.00	270.05	4,400.0	1.0	-1,164.0	1,164.0	0.00	0.00	0.00
5,500.0	90.00	270.05	4,400.0	1.1	-1,264.0	1,264.0	0.00	0.00	0.00
5,600.0	90.00	270.05	4,400.0	1.2	-1,364.0	1,364.0	0.00	0.00	0.00
5,700.0	90.00	270.05	4,400.0	1.3	-1,464.0	1,464.0	0.00	0.00	0.00
5,800.0	90.00	270.05	4,400.0	1.3	-1,564.0	1,564.0	0.00	0.00	0.00
5,900.0	90.00	270.05	4,400.0	1.4	-1,664.0	1,664.0	0.00	0.00	0.00
6,000.0	90.00	270.05	4,400.0	1.5	-1,764.0	1,764.0	0.00	0.00	0.00
6,100.0	90.00	270.05	4,400.0	1.6	-1,864.0	1,864.0	0.00	0.00	0.00
6,200.0	90.00	270.05	4,400.0	1.7	-1,964.0	1,964.0	0.00	0.00	0.00
6,300.0	90.00	270.05	4,400.0	1.8	-2,064.0	2,064.0	0.00	0.00	0.00
6,400.0	90.00	270.05	4,400.0	1.8	-2,164.0	2,164.0	0.00	0.00	0.00
6,500.0	90.00	270.05	4,400.0	1.9	-2,264.0	2,264.0	0.00	0.00	0.00
6,600.0	90.00	270.05	4,400.0	2.0	-2,364.0	2,364.0	0.00	0.00	0.00
6,700.0	90.00	270.05	4,400.0	2.1	-2,464.0	2,464.0	0.00	0.00	0.00
6,800.0	90.00	270.05	4,400.0	2.2	-2,564.0	2,564.0	0.00	0.00	0.00
6,900.0	90.00	270.05	4,400.0	2.3	-2,664.0	2,664.0	0.00	0.00	0.00
7,000.0	90.00	270.05	4,400.0	2.3	-2,764.0	2,764.0	0.00	0.00	0.00
7,100.0	90.00	270.05	4,400.0	2.4	-2,864.0	2,864.0	0.00	0.00	0.00
7,200.0	90.00	270.05	4,400.0	2.5	-2,964.0	2,964.0	0.00	0.00	0.00
7,300.0	90.00	270.05	4,400.0	2.6	-3,064.0	3,064.0	0.00	0.00	0.00
7,400.0	90.00	270.05	4,400.0	2.7	-3,164.0	3,164.0	0.00	0.00	0.00
7,500.0	90.00	270.05	4,400.0	2.7	-3,264.0	3,264.0	0.00	0.00	0.00
7,600.0	90.00	270.05	4,400.0	2.8	-3,364.0	3,364.0	0.00	0.00	0.00
7,700.0	90.00	270.05	4,400.0	2.9	-3,464.0	3,464.0	0.00	0.00	0.00
7,800.0	90.00	270.04	4,400.0	3.0	-3,564.0	3,564.0	0.00	0.00	0.00
7,900.0	90.00	270.04	4,400.0	3.0	-3,664.0	3,664.0	0.00	0.00	0.00
8,000.0	90.00	270.04	4,400.0	3.1	-3,764.0	3,764.0	0.00	0.00	0.00
8,100.0	90.00	270.04	4,400.0	3.2	-3,864.0	3,864.0	0.00	0.00	0.00
8,200.0	90.00	270.04	4,400.0	3.3	-3,964.0	3,964.0	0.00	0.00	0.00
8,223.9	90.00	270.04	4,400.0	3.3	-3,987.9	3,987.9	0.00	0.00	0.00

PBHL Guadalupe 8-1

EOG RESOURCES INC.

Planning Report

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Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3660.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3660.0ft (Original Well Elev)
Site:	Guadalupe 8 Fed #1H	North Reference:	Grid
Well:	Guadalupe 8 Fed #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Guadalupe 8 Fed #1H		
Design:	Plan #1 021406		

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL Guadalupe 8-1	0.00	0.00	4,400.0	3.3	-3,987.9	705,487.30	412,921.00	32° 56' 20.893 N	104° 37' 1.807 W
- plan misses by 523.9ft at 7700.0ft MD (4400.0 TVD, 2.9 N, -3464.0 E)									
- Point									

SITE DETAILS: Guadalupe 8 Fed #1H

Midland

Site Centre Northing: 705484.00
Easting: 416908.90

Positional Uncertainty: 0.0
Convergence: 0.15

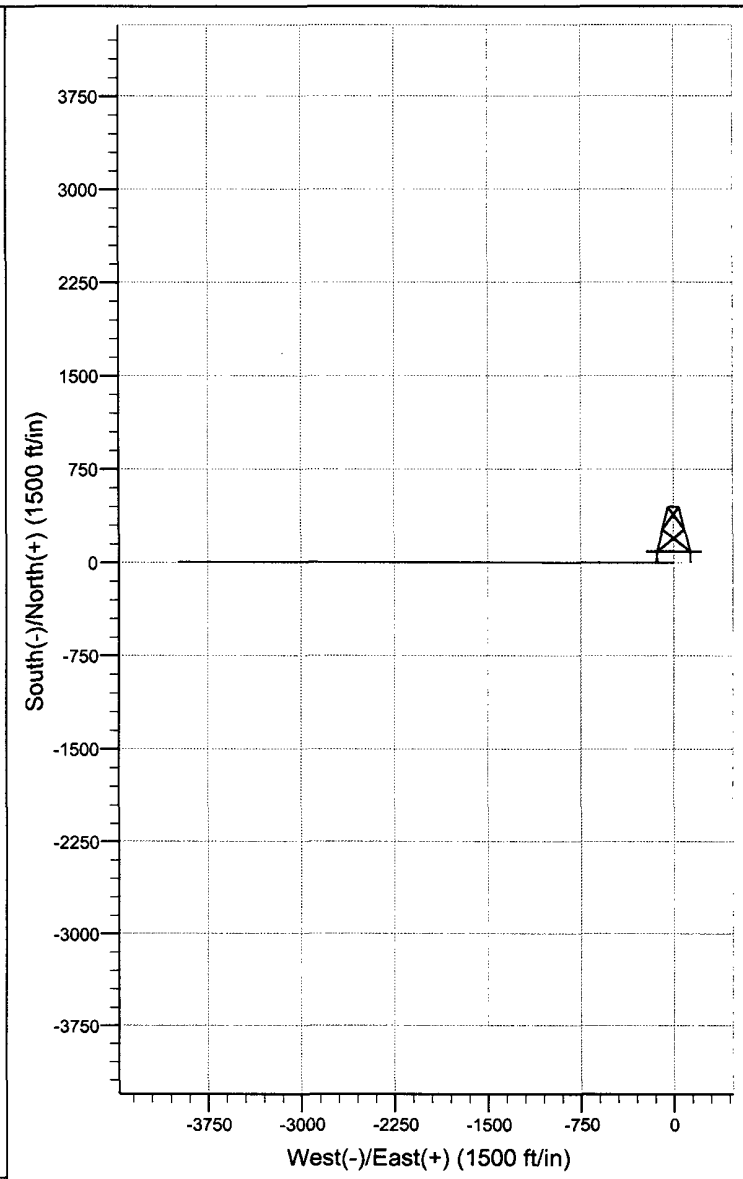
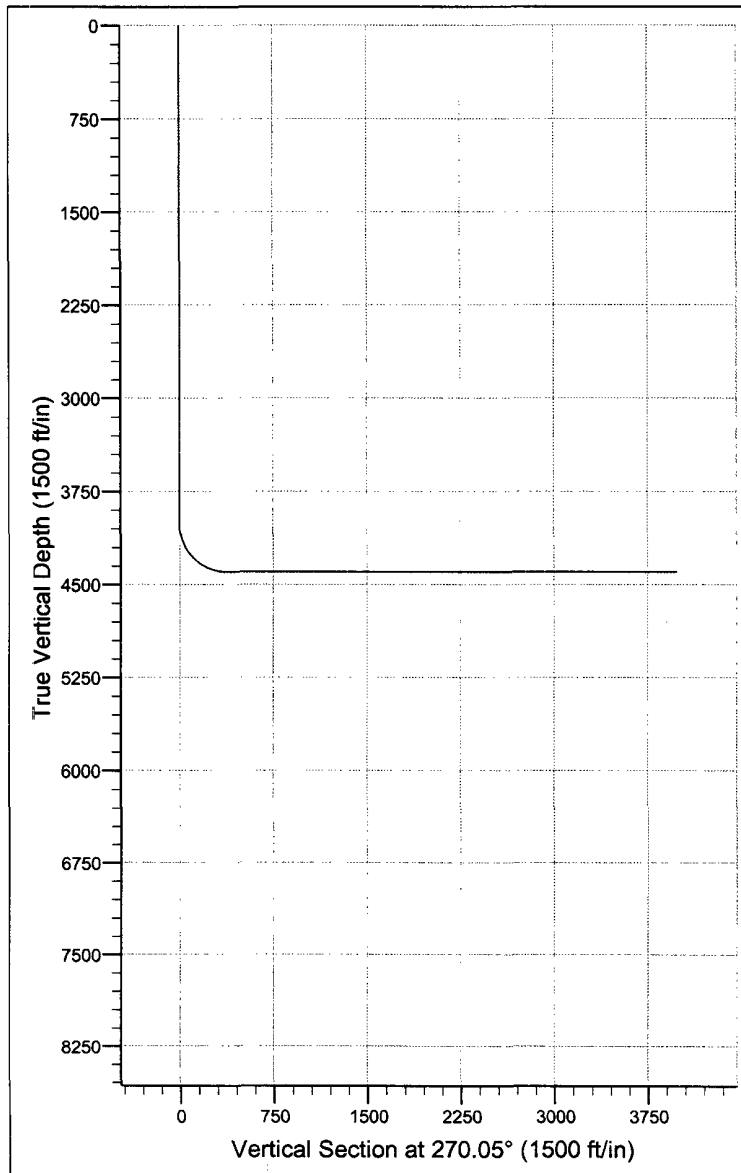
PROJECT DETAILS: Thames

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	
4018.0	0.00	0.00	4018.0	0.0	0.0	0.00	0.00	0.0	
4618.0	90.00	270.05	4400.0	0.3	-382.0	15.00	270.05	382.0	
8223.9	90.00	270.04	4400.0	3.3	-3987.9	0.00	-90.00	3987.9	PBHL Guadalupe 8-1





EOG Resources, Inc.

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

February 14, 2006

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

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FEB 17 2006

DD-MT-ESNA

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Guadalupe 8 Federal #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,

A handwritten signature in black ink, appearing to read "Ron McIntyre", written in a cursive style.

Ron McIntyre
Drilling Engineer