

30.015. 35369



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

January 8, 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 Potomac A 9 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,

A handwritten signature in black ink, appearing to read "Jason LaGrega", written over a horizontal line.

Jason LaGrega
Drilling Engineer

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Potomac A 9 Fee #1H
Well: Potomac A 9 Fee #1H
Wellbore: Potomac A 9 Fee #1H
Design: Original Plan

Local Co-ordinate Reference: Well Potomac A 9 Fee #1H
TVD Reference: WELL @ 3498.00ft (Original Well Elev)
MD Reference: WELL @ 3498.00ft (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: Ground Level

Site Potomac A 9 Fee #1H

Site Position:
From: Map
Position Uncertainty: 0.00 ft
Northing: 706,709.80 ft
Easting: 453,973.10 ft
Slot Radius: "
Latitude: 32° 56' 33.826 N
Longitude: 104° 29' 0.114 W
Grid Convergence: -0.08 °

Well Potomac A 9 Fee #1H

Well Position +N/-S 0.00 ft
+E/-W 0.00 ft
Position Uncertainty 0.00 ft
Northing: 706,709.80 ft
Easting: 453,973.10 ft
Wellhead Elevation: ft
Latitude: 32° 56' 33.826 N
Longitude: 104° 29' 0.114 W
Ground Level: 3,480.00 ft

Wellbore Potomac A 9 Fee #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	1/8/2007	8.56	60.78	49,345

Design Original Plan

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,795.00	0.00	0.00	269.97

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	
4,378.00	0.00	0.00	4,378.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,135.12	90.00	269.97	4,860.00	-0.25	-482.00	11.89	11.89	0.00	269.97	
6,153.13	90.00	269.97	4,860.00	-0.79	-1,500.01	0.00	0.00	0.00	0.00	
6,219.85	92.00	269.97	4,858.83	-0.82	-1,566.71	3.00	3.00	0.00	-0.07	
8,648.92	92.00	269.97	4,774.00	-2.20	-3,994.30	0.00	0.00	0.00	0.00	
8,649.02	92.00	269.97	4,774.00	-2.20	-3,994.40	3.00	-1.43	2.64	118.47	BHL (Potomac A #

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Potomac A 9 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3498.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3498.00ft (Original Well Elev)
Site:	Potomac A 9 Fee #1H	North Reference:	Grid
Well:	Potomac A 9 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Potomac A 9 Fee #1H		
Design:	Original Plan		

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
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,378.00	0.00	0.00	4,378.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	2.62	269.97	4,399.99	0.00	-0.50	0.50	11.89	11.89	0.00
4,500.00	14.50	269.97	4,498.70	-0.01	-15.36	15.36	11.89	11.89	0.00
4,600.00	26.39	269.97	4,592.23	-0.03	-50.23	50.23	11.89	11.89	0.00
4,700.00	38.28	269.97	4,676.58	-0.05	-103.61	103.61	11.89	11.89	0.00
4,800.00	50.16	269.97	4,748.12	-0.09	-173.23	173.23	11.89	11.89	0.00
4,900.00	62.05	269.97	4,803.78	-0.13	-256.09	256.09	11.89	11.89	0.00
5,000.00	73.94	269.97	4,841.18	-0.18	-348.64	348.64	11.89	11.89	0.00
5,100.00	85.82	269.97	4,858.72	-0.23	-446.91	446.91	11.89	11.89	0.00
5,135.12	90.00	269.97	4,860.00	-0.25	-482.00	482.00	11.89	11.89	0.00

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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)
5,200.00	90.00	269.97	4,860.00	-0.29	-546.88	546.88	0.00	0.00	0.00
5,300.00	90.00	269.97	4,860.00	-0.34	-646.88	646.88	0.00	0.00	0.00
5,400.00	90.00	269.97	4,860.00	-0.39	-746.88	746.88	0.00	0.00	0.00
5,500.00	90.00	269.97	4,860.00	-0.44	-846.88	846.88	0.00	0.00	0.00
5,600.00	90.00	269.97	4,860.00	-0.50	-946.88	946.88	0.00	0.00	0.00
5,700.00	90.00	269.97	4,860.00	-0.55	-1,046.88	1,046.88	0.00	0.00	0.00
5,800.00	90.00	269.97	4,860.00	-0.60	-1,146.88	1,146.88	0.00	0.00	0.00
5,900.00	90.00	269.97	4,860.00	-0.65	-1,246.88	1,246.88	0.00	0.00	0.00
6,000.00	90.00	269.97	4,860.00	-0.71	-1,346.88	1,346.88	0.00	0.00	0.00
6,100.00	90.00	269.97	4,860.00	-0.76	-1,446.88	1,446.88	0.00	0.00	0.00
6,153.13	90.00	269.97	4,860.00	-0.79	-1,500.01	1,500.01	0.00	0.00	0.00
6,200.00	91.41	269.97	4,859.43	-0.81	-1,546.87	1,546.87	3.00	3.00	0.00
6,219.85	92.00	269.97	4,858.83	-0.82	-1,566.71	1,566.71	3.00	3.00	0.00
6,300.00	92.00	269.97	4,856.04	-0.87	-1,646.81	1,646.81	0.00	0.00	0.00
6,400.00	92.00	269.97	4,852.54	-0.92	-1,746.75	1,746.75	0.00	0.00	0.00
6,500.00	92.00	269.97	4,849.05	-0.98	-1,846.69	1,846.69	0.00	0.00	0.00
6,600.00	92.00	269.97	4,845.56	-1.04	-1,946.63	1,946.63	0.00	0.00	0.00
6,700.00	92.00	269.97	4,842.07	-1.09	-2,046.57	2,046.57	0.00	0.00	0.00
6,800.00	92.00	269.97	4,838.57	-1.15	-2,146.51	2,146.51	0.00	0.00	0.00
6,900.00	92.00	269.97	4,835.08	-1.21	-2,246.45	2,246.45	0.00	0.00	0.00
7,000.00	92.00	269.97	4,831.59	-1.26	-2,346.39	2,346.39	0.00	0.00	0.00
7,100.00	92.00	269.97	4,828.10	-1.32	-2,446.33	2,446.33	0.00	0.00	0.00
7,200.00	92.00	269.97	4,824.60	-1.38	-2,546.26	2,546.26	0.00	0.00	0.00
7,300.00	92.00	269.97	4,821.11	-1.43	-2,646.20	2,646.20	0.00	0.00	0.00
7,400.00	92.00	269.97	4,817.62	-1.49	-2,746.14	2,746.14	0.00	0.00	0.00
7,500.00	92.00	269.97	4,814.13	-1.55	-2,846.08	2,846.08	0.00	0.00	0.00
7,600.00	92.00	269.97	4,810.64	-1.60	-2,946.02	2,946.02	0.00	0.00	0.00
7,700.00	92.00	269.97	4,807.14	-1.66	-3,045.96	3,045.96	0.00	0.00	0.00
7,800.00	92.00	269.97	4,803.65	-1.72	-3,145.90	3,145.90	0.00	0.00	0.00
7,900.00	92.00	269.97	4,800.16	-1.78	-3,245.84	3,245.84	0.00	0.00	0.00
8,000.00	92.00	269.97	4,796.67	-1.83	-3,345.78	3,345.78	0.00	0.00	0.00
8,100.00	92.00	269.97	4,793.17	-1.89	-3,445.72	3,445.72	0.00	0.00	0.00
8,200.00	92.00	269.97	4,789.68	-1.95	-3,545.65	3,545.65	0.00	0.00	0.00
8,300.00	92.00	269.97	4,786.19	-2.00	-3,645.59	3,645.59	0.00	0.00	0.00
8,400.00	92.00	269.97	4,782.70	-2.06	-3,745.53	3,745.53	0.00	0.00	0.00
8,500.00	92.00	269.97	4,779.20	-2.12	-3,845.47	3,845.47	0.00	0.00	0.00
8,600.00	92.00	269.97	4,775.71	-2.17	-3,945.41	3,945.41	0.00	0.00	0.00
8,649.02	92.00	269.97	4,774.00	-2.20	-3,994.40	3,994.40	0.01	0.00	0.01

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 (Potomac A #1H)	0.00	0.00	4,774.00	-2.20	-3,994.40	706,707.60	449,978.70	32° 56' 33.746 N	104° 29' 46.987 W
- plan hits target									
- Point									

WELL DETAILS: Potomac A 9 Fee #1H

+N/-S	+E/-W	Northing	Ground Level:	3480.00			
0.00	0.00	706709.80	Easting	453973.10	Latitude	Longitude	Slot
					32° 56' 33.826 N	104° 29' 0.114 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4378.00	0.00	0.00	4378.00	0.00	0.00	0.00	0.00	0.00	
5135.12	90.00	269.97	4860.00	-0.25	-482.00	11.89	269.97	482.00	
6153.13	90.00	269.97	4860.00	-0.79	-1500.01	0.00	0.00	1500.01	
6219.85	92.00	269.97	4858.83	-0.82	-1566.71	3.00	-0.07	1566.71	
8648.92	92.00	269.97	4774.00	-2.20	-3994.30	0.00	0.00	3994.30	
8649.02	92.00	269.97	4774.00	-2.20	-3994.40	3.00	118.47	3994.40	BHL (Potomac A #1H)

