



30.015.35380

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

January 15, 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 Meramec A 4 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

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Meramec A 4 Fee #1H
Well: Meramec A 4 Fee #1H
Wellbore: Meramec A 4 Fee #1H
Design: Original Plan

Local Co-ordinate Reference: Well Meramec A 4 Fee #1H
TVD Reference: WELL @ 3501.00ft (Original Well Elev)
MD Reference: WELL @ 3501.00ft (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 Meramec A 4 Fee #1H

Site Position:
From: Map
Position Uncertainty: 0.00 ft
Northing: 713,588.10 ft
Easting: 454,418.00 ft
Slot Radius: "
Latitude: 32° 57' 41.895 N
Longitude: 104° 28' 55.007 W
Grid Convergence: -0.08 °

Well Meramec A 4 Fee #1H

Well Position +N/-S 0.00 ft **Northing:** 713,588.10 ft **Latitude:** 32° 57' 41.895 N
 +E/-W 0.00 ft **Easting:** 454,418.00 ft **Longitude:** 104° 28' 55.007 W
Position Uncertainty 0.00 ft **Wellhead Elevation:** ft **Ground Level:** 3,483.00 ft

Wellbore Meramec A 4 Fee #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	1/15/2007	8.56	60.80	49,354

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 (°)
	4,705.00	0.00	0.00	270.21

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	
4,125.00	0.00	0.00	4,125.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,005.05	74.00	270.21	4,780.00	1.81	-493.57	8.41	8.41	0.00	270.21	
5,365.49	90.00	270.21	4,830.00	3.11	-849.34	4.44	4.44	0.00	0.00	
6,365.49	90.00	270.21	4,830.00	6.78	-1,849.33	0.00	0.00	0.00	0.00	
6,432.22	92.00	270.21	4,828.83	7.02	-1,916.05	3.00	3.00	0.00	0.05	
8,917.71	92.00	270.21	4,742.00	16.20	-4,400.01	0.00	0.00	0.00	0.00	
8,917.80	92.00	270.21	4,742.00	16.20	-4,400.10	3.00	-2.33	-1.89	-141.05	BHL (Meramec A #

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Meramec A 4 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3501.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3501.00ft (Original Well Elev)
Site:	Meramec A 4 Fee #1H	North Reference:	Grid
Well:	Meramec A 4 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Meramec A 4 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
4,125.00	0.00	0.00	4,125.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	6.31	270.21	4,199.85	0.02	-4.12	4.12	8.41	8.41	0.00
4,300.00	14.72	270.21	4,298.08	0.08	-22.35	22.35	8.41	8.41	0.00
4,400.00	23.12	270.21	4,392.60	0.20	-54.74	54.74	8.41	8.41	0.00
4,500.00	31.53	270.21	4,481.35	0.37	-100.61	100.61	8.41	8.41	0.00
4,600.00	39.94	270.21	4,562.45	0.58	-158.96	158.96	8.41	8.41	0.00
4,700.00	48.35	270.21	4,634.15	0.84	-228.55	228.55	8.41	8.41	0.00
4,800.00	56.76	270.21	4,694.89	1.13	-307.87	307.87	8.41	8.41	0.00
4,900.00	65.17	270.21	4,743.39	1.45	-395.22	395.22	8.41	8.41	0.00
5,000.00	73.58	270.21	4,778.59	1.79	-488.72	488.73	8.41	8.41	0.00
5,005.05	74.00	270.21	4,780.00	1.81	-493.57	493.58	8.41	8.41	0.00
5,100.00	78.21	270.21	4,802.79	2.15	-585.72	585.73	4.44	4.44	0.00

EOG RESOURCES INC.

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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)	Buid Rate (°/100ft)	Turn Rate (°/100ft)
5,200.00	82.65	270.21	4,819.41	2.51	-684.31	684.31	4.44	4.44	0.00
5,300.00	87.09	270.21	4,828.34	2.87	-783.88	783.89	4.44	4.44	0.00
5,365.49	90.00	270.21	4,830.00	3.11	-849.34	849.35	4.44	4.44	0.00
5,400.00	90.00	270.21	4,830.00	3.24	-883.85	883.86	0.00	0.00	0.00
5,500.00	90.00	270.21	4,830.00	3.61	-983.85	983.86	0.00	0.00	0.00
5,600.00	90.00	270.21	4,830.00	3.97	-1,083.85	1,083.86	0.00	0.00	0.00
5,700.00	90.00	270.21	4,830.00	4.34	-1,183.85	1,183.86	0.00	0.00	0.00
5,800.00	90.00	270.21	4,830.00	4.71	-1,283.85	1,283.86	0.00	0.00	0.00
5,900.00	90.00	270.21	4,830.00	5.07	-1,383.85	1,383.86	0.00	0.00	0.00
6,000.00	90.00	270.21	4,830.00	5.44	-1,483.85	1,483.86	0.00	0.00	0.00
6,100.00	90.00	270.21	4,830.00	5.81	-1,583.85	1,583.86	0.00	0.00	0.00
6,200.00	90.00	270.21	4,830.00	6.17	-1,683.85	1,683.86	0.00	0.00	0.00
6,300.00	90.00	270.21	4,830.00	6.54	-1,783.85	1,783.86	0.00	0.00	0.00
6,365.49	90.00	270.21	4,830.00	6.78	-1,849.33	1,849.35	0.00	0.00	0.00
6,400.00	91.04	270.21	4,829.69	6.90	-1,883.84	1,883.86	3.00	3.00	0.00
6,432.22	92.00	270.21	4,828.83	7.02	-1,916.05	1,916.07	3.00	3.00	0.00
6,500.00	92.00	270.21	4,826.47	7.27	-1,983.79	1,983.80	0.00	0.00	0.00
6,600.00	92.00	270.21	4,822.97	7.64	-2,083.73	2,083.74	0.00	0.00	0.00
6,700.00	92.00	270.21	4,819.48	8.01	-2,183.67	2,183.68	0.00	0.00	0.00
6,800.00	92.00	270.21	4,815.99	8.38	-2,283.61	2,283.62	0.00	0.00	0.00
6,900.00	92.00	270.21	4,812.49	8.75	-2,383.54	2,383.56	0.00	0.00	0.00
7,000.00	92.00	270.21	4,809.00	9.12	-2,483.48	2,483.50	0.00	0.00	0.00
7,100.00	92.00	270.21	4,805.51	9.49	-2,583.42	2,583.44	0.00	0.00	0.00
7,200.00	92.00	270.21	4,802.01	9.86	-2,683.36	2,683.38	0.00	0.00	0.00
7,300.00	92.00	270.21	4,798.52	10.23	-2,783.30	2,783.32	0.00	0.00	0.00
7,400.00	92.00	270.21	4,795.02	10.60	-2,883.23	2,883.25	0.00	0.00	0.00
7,500.00	92.00	270.21	4,791.53	10.97	-2,983.17	2,983.19	0.00	0.00	0.00
7,600.00	92.00	270.21	4,788.04	11.33	-3,083.11	3,083.13	0.00	0.00	0.00
7,700.00	92.00	270.21	4,784.54	11.70	-3,183.05	3,183.07	0.00	0.00	0.00
7,800.00	92.00	270.21	4,781.05	12.07	-3,282.99	3,283.01	0.00	0.00	0.00
7,900.00	92.00	270.21	4,777.56	12.44	-3,382.93	3,382.95	0.00	0.00	0.00
8,000.00	92.00	270.21	4,774.06	12.81	-3,482.86	3,482.89	0.00	0.00	0.00
8,100.00	92.00	270.21	4,770.57	13.18	-3,582.80	3,582.83	0.00	0.00	0.00
8,200.00	92.00	270.21	4,767.08	13.55	-3,682.74	3,682.77	0.00	0.00	0.00
8,300.00	92.00	270.21	4,763.58	13.92	-3,782.68	3,782.71	0.00	0.00	0.00
8,400.00	92.00	270.21	4,760.09	14.29	-3,882.62	3,882.64	0.00	0.00	0.00
8,500.00	92.00	270.21	4,756.60	14.66	-3,982.56	3,982.58	0.00	0.00	0.00
8,600.00	92.00	270.21	4,753.10	15.03	-4,082.49	4,082.52	0.00	0.00	0.00
8,700.00	92.00	270.21	4,749.61	15.40	-4,182.43	4,182.46	0.00	0.00	0.00
8,800.00	92.00	270.21	4,746.12	15.77	-4,282.37	4,282.40	0.00	0.00	0.00
8,900.00	92.00	270.21	4,742.62	16.13	-4,382.31	4,382.34	0.00	0.00	0.00
8,917.80	92.00	270.21	4,742.00	16.20	-4,400.10	4,400.13	0.01	-0.01	-0.01

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Meramec A 4 Fee #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3501.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3501.00ft (Original Well Elev)
Site:	Meramec A 4 Fee #1H	North Reference:	Grid
Well:	Meramec A 4 Fee #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Meramec A 4 Fee #1H		
Design:	Original Plan		

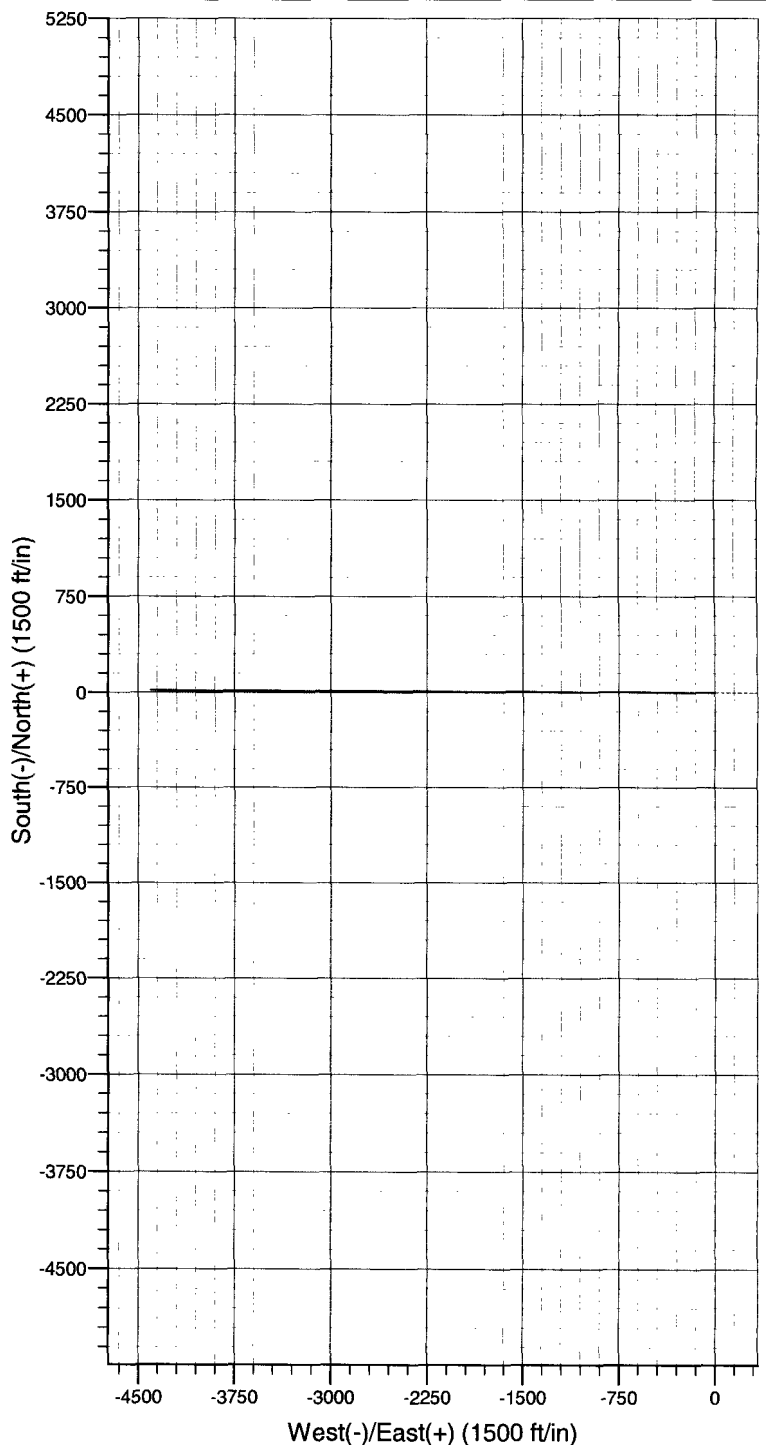
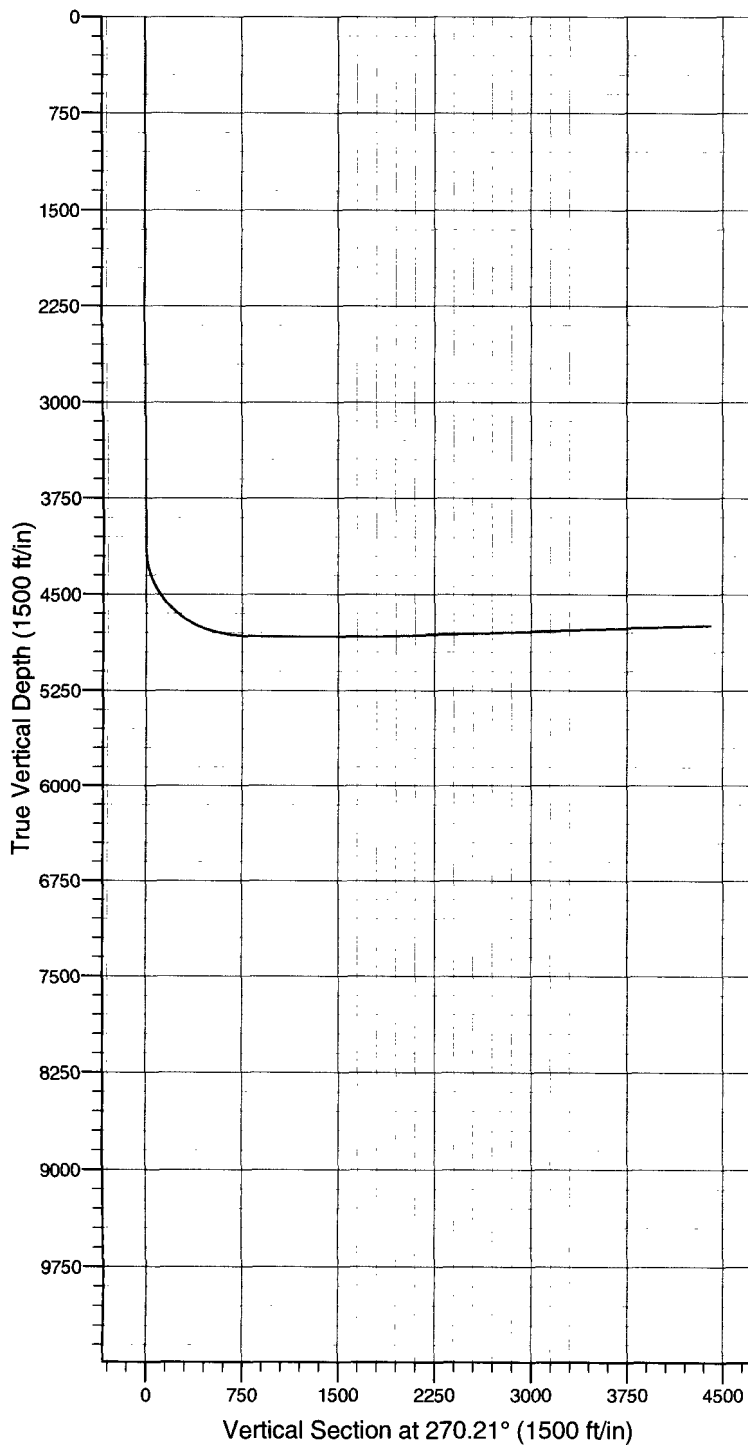
Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
BHL (Meramec A #1H)	0.00	0.00	4,742.00	16.20	-4,400.10	713,604.30	450,017.90	32° 57' 41.990 N	104° 29' 46.652 W
- plan hits target									
- Point									
PP (Meramec A #1H)	0.00	0.00	4,780.00	1.70	-460.00	713,589.80	453,958.00	32° 57' 41.905 N	104° 29' 0.406 W
- plan misses by 33.57ft at 5005.05ft MD (4780.00 TVD, 1.81 N, -493.57 E)									
- Point									

WELL DETAILS: Meramec A 4 Fee #1H

+N/-S	+E/-W	Northing	Ground Level:	3483.00	Latitude	Longitude	Slot
0.00	0.00	713588.10	Easting	454418.00	32° 57' 41.895 N	104° 28' 55.007 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	
4125.00	0.00	0.00	4125.00	0.00	0.00	0.00	0.00	0.00	
5005.05	74.00	270.21	4780.00	1.81	-493.57	8.41	270.21	493.58	
5365.49	90.00	270.21	4830.00	3.11	-849.34	4.44	0.00	849.35	
6365.49	90.00	270.21	4830.00	6.78	-1849.33	0.00	0.00	1849.35	
6432.22	92.00	270.21	4828.83	7.02	-1916.05	3.00	0.05	1916.07	
8917.71	92.00	270.21	4742.00	16.20	-4400.01	0.00	0.00	4400.04	
8917.80	92.00	270.21	4742.00	16.20	-4400.10	3.00	-141.05	4400.13	BHL (Meramec A #1H)



Arrant, Bryan, EMNRD

From: Arrant, Bryan, EMNRD
Sent: Friday, January 19, 2007 3:05 PM
To: 'Donny_Glanton@eogresources.com'
Cc: Gum, Tim, EMNRD; Ezeanyim, Richard, EMNRD
Subject: Meramec A 4 Fee # 1H/API #30--015-35380

Dear Mr. Donny Glanton,

Concerning the above noted APD recently approved on 1/19/2007, please note the additional condition of approval not noted on the electronic file.
NMOCD Rule 19.15.3.104(D)(a) requires that a NSP be obtained due to the spacing unit of 224.56 acres.

Yours truly,

Bryan G. Arrant
District II Geologist
505-748-1283.
CC: Well file

1/19/2007