

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

AUG 06 2007
OCD-ARTESIA

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35751	Pool Code 97415	Pool Name FOUR MILE DRAW; WOLFCAMP (G)
Property Code	Property Name SOURIS 29 STATE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 4032'

Surface Location

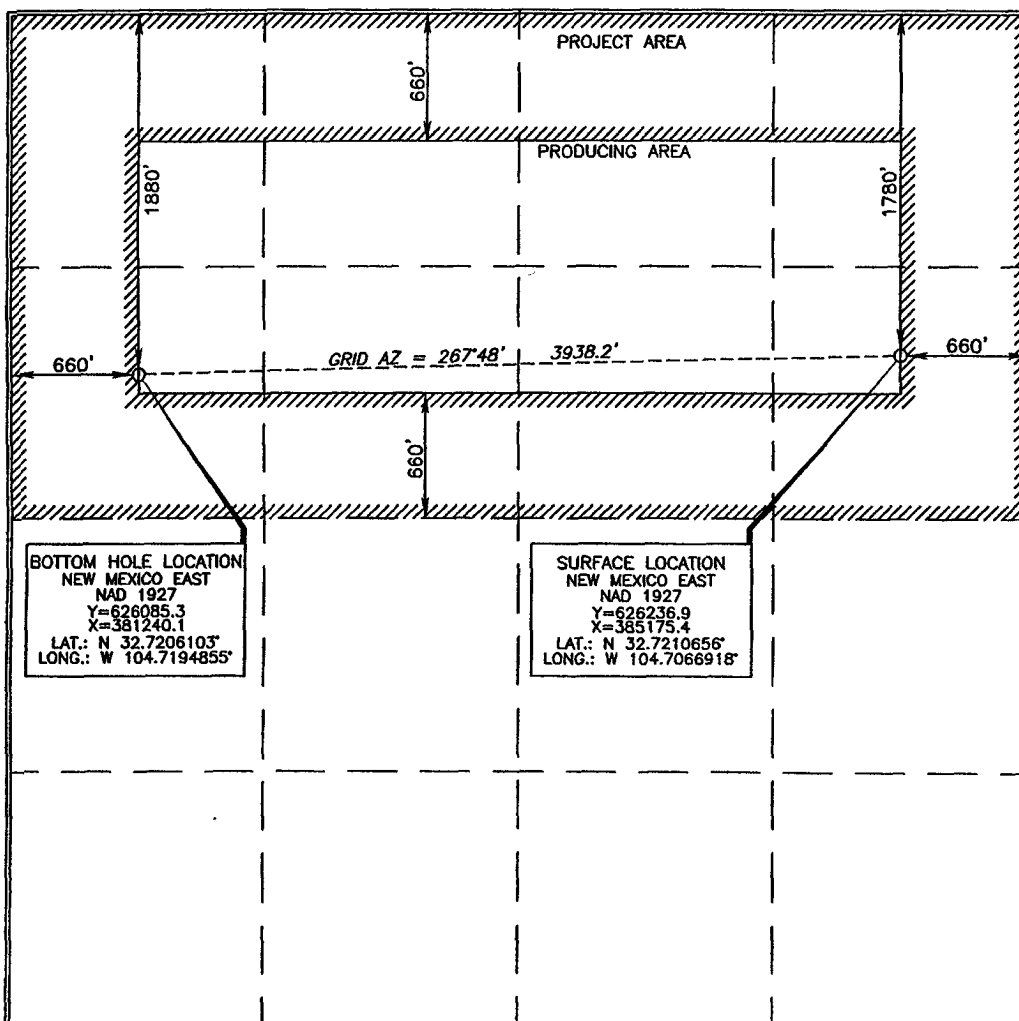
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	18 SOUTH	23 EAST, N.M.P.M.		1780'	NORTH	660'	EAST	EDDY

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
E	29	18 SOUTH	23 EAST, N.M.P.M.		1880'	NORTH	660'	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Donny G. Glanton 8/2/08

Signature Date

Donny G. Glanton

Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Terry J. Ouel 7/28/2007
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Ouel 7/28/2007
Certificate Number 15079

WO# 070724WL (KA)

Permit Information:

Well Name: Souris 29 State #1H

Location:

SL 1780' FNL & 660' FEL, Section 29, T-18-S, R-23-E, Eddy Co., N.M.

BHL 1880' FNL & 660' FWL, Section 29, T-18-S, R-23-E, Eddy Co., N.M.

Casing Program:

② 1200 - 1400'

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	8,243'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

② 1200 - 1400'

Depth	No. Sacks	Slurries:
900'	345	Lead: 35:65 Poz Class C + 6% D20 + 5 pps D24 + 2% S1
	400	Tail: Class C + 2% S1 + 0.25 pps D29
8,243'	530	Lead: 50:50 Poz Class C + 5% D44 (bwow) + 10% D20 + 0.125 pps D130
	745	Tail: 50:50 Poz Class C + 5% D44 (bwow) + 2% D20 + 0.3% D167 + 0.2% D65 + 0.2% D46 + 0.05% D13

Mud Program: ② 1200 - 1400'

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
4,028' - 8,243'	Polymer (Lateral)	9.0-9.4	40-45	10-20



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

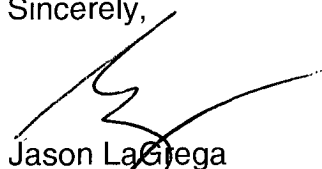
August 1, 2007

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 Souris 29 State #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	Local Co-ordinate Reference:	Well Souris 29 State #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 4051.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4051 00ft (Original Well Elev)
Site:	Souris 29 State #1H	North Reference:	Grid
Well:	Souris 29 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #1H		
Design:	Original Plan		

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

Site	Souris 29 State #1H		
Site Position:		Northing:	626,236.90ft
From:	Map	Easting:	385,175.40ft
Position Uncertainty:	0 00 ft	Slot Radius:	"
		Latitude:	32° 43' 15.837 N
		Longitude:	104° 42' 24.090 W
		Grid Convergence:	-0.20 °

Well	Souris 29 State #1H		
Well Position	+N/-S	0.00 ft	Northing: 626,236 90 ft
	+E/-W	0.00 ft	Easting: 385,175 40 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 43' 15.837 N
		Longitude:	104° 42' 24.090 W
		Ground Level:	4,032.00ft

Wellbore	Souris 29 State #1H		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2005	7/30/2007	8.58
			Dip Angle (°)
			60.52
			Field Strength (nT)
			49,122

Design	Original Plan		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0 00	0 00	0 00
			Direction (°)
			267 79

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 00	0 00	0 00	0 00	0.00	0 00	0 00	0 00	0 00	0 00	
4,028.00	0.00	0 00	4,028 00	0 00	0 00	0 00	0 00	0 00	0 00	
4,785 12	90 00	267.80	4,510 00	-18.50	-481.64	11 89	11.89	0 00	267.80	
5,785 12	90 00	267 80	4,510 00	-56.89	-1,480 91	0 00	0.00	0 00	0 00	
5,851 70	92.00	267 79	4,508.84	-59.45	-1,547 43	3.00	3.00	-0 01	-0 29	
8,242 72	92 00	267 79	4,425 50	-151 60	-3,935 21	0.00	0.00	0 00	0 00	
8,242.81	92 00	267.79	4,425 50	-151 60	-3,935.30	3.00	2 99	-0.06	0 00 BHL (Souris 29 Sta	

EOG RESOURCES INC.

Planning Report

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Company:	EOG - Midland (3)	TVD Reference:	WELL @ 4051.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4051.00ft (Original Well Elev)
Site:	Souris 29 State #1H	North Reference:	Grid
Well:	Souris 29 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #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
4,028.00	0.00	0.00	4,028.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	8.56	267.80	4,099.73	-0.21	-5.36	5.37	11.89	11.89	0.00
4,200.00	20.45	267.80	4,196.37	-1.17	-30.34	30.36	11.89	11.89	0.00
4,300.00	32.33	267.80	4,285.79	-2.87	-74.68	74.73	11.89	11.89	0.00
4,400.00	44.22	267.80	4,364.15	-5.24	-136.47	136.57	11.89	11.89	0.00
4,500.00	56.11	267.80	4,428.10	-8.18	-213.06	213.22	11.89	11.89	0.00
4,600.00	67.99	267.80	4,474.88	-11.57	-301.17	301.39	11.89	11.89	0.00
4,700.00	79.88	267.80	4,502.50	-15.25	-397.03	397.32	11.89	11.89	0.00
4,785.12	90.00	267.80	4,510.00	-18.50	-481.64	482.00	11.89	11.89	0.00
4,800.00	90.00	267.80	4,510.00	-19.07	-496.51	496.88	0.00	0.00	0.00
4,900.00	90.00	267.80	4,510.00	-22.91	-596.44	596.88	0.00	0.00	0.00
5,000.00	90.00	267.80	4,510.00	-26.75	-696.36	696.88	0.00	0.00	0.00
5,100.00	90.00	267.80	4,510.00	-30.59	-796.29	796.88	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

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Site:	Souris 29 State #1H	North Reference:	Grid
Well:	Souris 29 State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #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)
5,200.00	90.00	267.80	4,510.00	-34.43	-896.22	896.88	0.00	0.00	0.00
5,300.00	90.00	267.80	4,510.00	-38.27	-996.14	996.88	0.00	0.00	0.00
5,400.00	90.00	267.80	4,510.00	-42.11	-1,096.07	1,096.88	0.00	0.00	0.00
5,500.00	90.00	267.80	4,510.00	-45.95	-1,195.99	1,196.88	0.00	0.00	0.00
5,600.00	90.00	267.80	4,510.00	-49.78	-1,295.92	1,296.88	0.00	0.00	0.00
5,700.00	90.00	267.80	4,510.00	-53.62	-1,395.85	1,396.88	0.00	0.00	0.00
5,785.12	90.00	267.80	4,510.00	-56.89	-1,480.91	1,482.00	0.00	0.00	0.00
5,800.00	90.45	267.80	4,509.94	-57.46	-1,495.77	1,496.88	3.00	3.00	-0.01
5,851.70	92.00	267.79	4,508.84	-59.45	-1,547.43	1,548.57	3.00	3.00	-0.01
5,900.00	92.00	267.79	4,507.16	-61.31	-1,595.66	1,596.83	0.00	0.00	0.00
6,000.00	92.00	267.79	4,503.67	-65.17	-1,695.52	1,696.77	0.00	0.00	0.00
6,100.00	92.00	267.79	4,500.19	-69.02	-1,795.39	1,796.71	0.00	0.00	0.00
6,200.00	92.00	267.79	4,496.70	-72.87	-1,895.25	1,896.65	0.00	0.00	0.00
6,300.00	92.00	267.79	4,493.21	-76.73	-1,995.12	1,996.59	0.00	0.00	0.00
6,400.00	92.00	267.79	4,489.73	-80.58	-2,094.98	2,096.53	0.00	0.00	0.00
6,500.00	92.00	267.79	4,486.24	-84.44	-2,194.85	2,196.47	0.00	0.00	0.00
6,600.00	92.00	267.79	4,482.76	-88.29	-2,294.71	2,296.41	0.00	0.00	0.00
6,700.00	92.00	267.79	4,479.27	-92.14	-2,394.58	2,396.35	0.00	0.00	0.00
6,800.00	92.00	267.79	4,475.79	-96.00	-2,494.44	2,496.29	0.00	0.00	0.00
6,900.00	92.00	267.79	4,472.30	-99.85	-2,594.30	2,596.23	0.00	0.00	0.00
7,000.00	92.00	267.79	4,468.82	-103.70	-2,694.17	2,696.16	0.00	0.00	0.00
7,100.00	92.00	267.79	4,465.33	-107.56	-2,794.03	2,796.10	0.00	0.00	0.00
7,200.00	92.00	267.79	4,461.85	-111.41	-2,893.90	2,896.04	0.00	0.00	0.00
7,300.00	92.00	267.79	4,458.36	-115.27	-2,993.76	2,995.98	0.00	0.00	0.00
7,400.00	92.00	267.79	4,454.88	-119.12	-3,093.63	3,095.92	0.00	0.00	0.00
7,500.00	92.00	267.79	4,451.39	-122.97	-3,193.49	3,195.86	0.00	0.00	0.00
7,600.00	92.00	267.79	4,447.90	-126.83	-3,293.36	3,295.80	0.00	0.00	0.00
7,700.00	92.00	267.79	4,444.42	-130.68	-3,393.22	3,395.74	0.00	0.00	0.00
7,800.00	92.00	267.79	4,440.93	-134.54	-3,493.09	3,495.68	0.00	0.00	0.00
7,900.00	92.00	267.79	4,437.45	-138.39	-3,592.95	3,595.62	0.00	0.00	0.00
8,000.00	92.00	267.79	4,433.96	-142.24	-3,692.82	3,695.56	0.00	0.00	0.00
8,100.00	92.00	267.79	4,430.48	-146.10	-3,792.68	3,795.50	0.00	0.00	0.00
8,200.00	92.00	267.79	4,426.99	-149.95	-3,892.55	3,895.44	0.00	0.00	0.00
8,242.72	92.00	267.79	4,425.50	-151.60	-3,935.21	3,938.13	0.00	0.00	0.00
8,242.81	92.00	267.79	4,425.50	-151.60	-3,935.30	3,938.22	2.99	2.99	-0.06
BHL (Souris 29 State #1H)									

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 (Souris 29 State	0.00	0.00	4,425.50	-151.60	-3,935.30	626,085.30	381,240.10	32° 43' 14.197 N	104° 43' 10.148 W
- plan hits target									
- Point									

WELL DETAILS: Souris 29 State #1H

+N/-S
0.00+E/-W
0.00Northing
626236.90

Ground Level: 4032.00

Easting
385175.40Latitude
32° 43' 15.837 NLongitude
104° 42' 24.090 W

Slot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	Target	Sec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4028.00	0.00	0.00	4028.00	0.00	0.00	0.00	0.00	0.00	
3	4785.12	90.00	267.80	4510.00	-18.50	-481.64	11.89	267.80	482.00	
4	5785.12	90.00	267.80	4510.00	-56.89	-1480.91	0.00	0.00	1482.00	
5	5851.70	92.00	267.79	4508.84	-59.45	-1547.43	3.00	-0.29	1548.57	
6	8242.72	92.00	267.79	4425.50	-151.60	-3935.21	0.00	0.00	3938.13	
7	8242.81	92.00	267.79	4425.50	-151.60	-3935.21	0.00	0.00	3938.22	

