

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

S

Form C-402
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

FEB 15 2008

OCD-ARTESIA ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36128	Pool Code 97415	Pool Name Four Mile Draw ; Wolfcamp (G)
Property Code 36645	Property Name SOURIS "29" STATE	Well Number 2H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 4024'

Surface Location

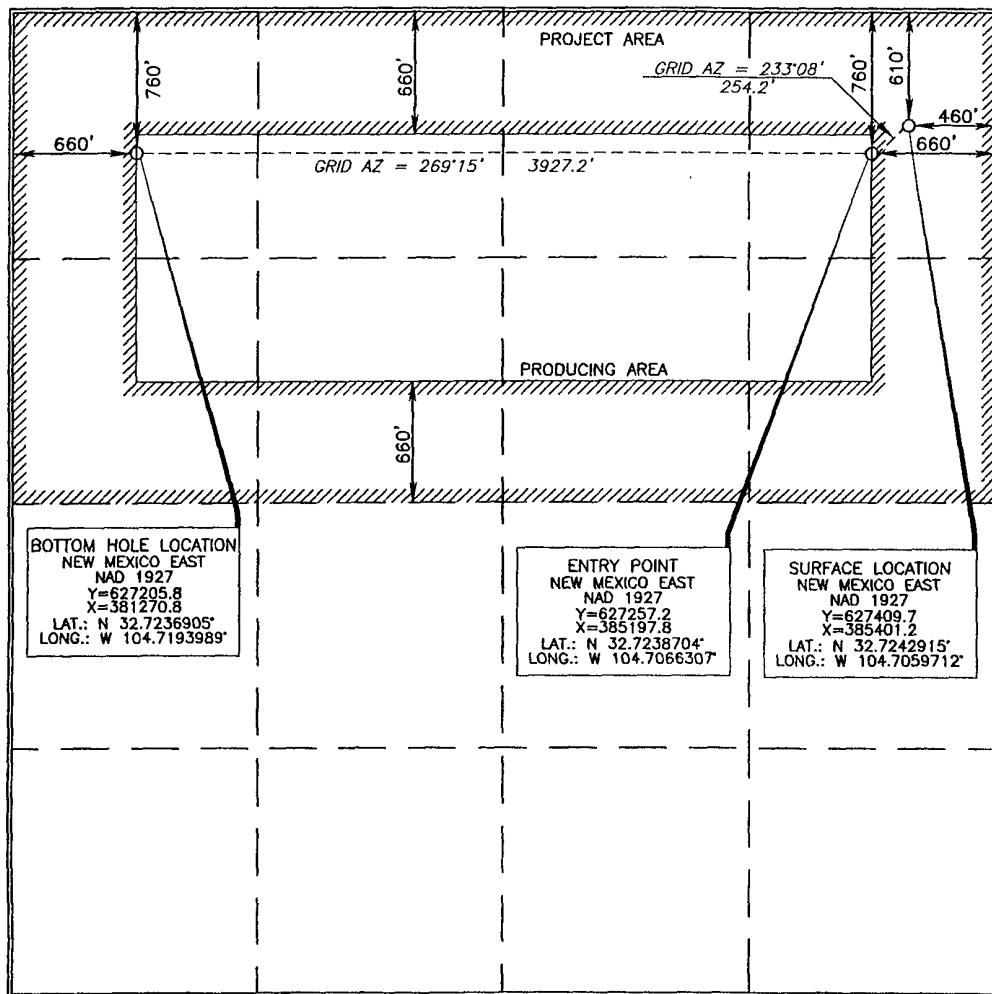
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	18 SOUTH	23 EAST, N.M.P.M.		610'	NORTH	460'	EAST	EDDY

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
D	29	18 SOUTH	23 EAST, N.M.P.M.		760'	NORTH	660'	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

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 2/12/08
Signature Date
Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located from field notes or 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. Auel 2/6/2008
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number 15079

WO# 080130WL (KA)

Permit Information:

Well Name: Souris 29 State #2H

Location:

SL 610' FNL & 460' FEL, Section 29, T-18-S, R-23-E, Eddy Co., N.M.
 BHL 760' FNL & 660' FWL, Section 29, T-18-S, R-23-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,200'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,437'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
1,200'	345	Lead: 35:65 Poz C + 4% Bentonite+ 0.005 gps FP-6L + 0.005 pps Static Free + 10 pps LCM-1 + 5% NaCl + 5% MPA-5 + 0.8% SMS
	400	Tail: Class C + 0.005 gps FP-6L + 0.005 pps Static Free + 0.125 pps CelloFlake
8,437'	630	Lead: 50:50 Poz:Class C + 0.005 gps FP-6L + 10% Bentonite + 0.005 pps Static Free + 0.125 pps CelloFlake
	745	Tail: 50:50 Poz:Class C + 2% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 5% NaCl + 0.3% FL-2A + 0.2% CD-32 + 0.05% R-3

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,200'	Fresh - Gel	8.6-8.8	28-34	N/c
1,200' – 4,015'	Cut Brine	8.8-9.2	28-34	N/c
4,015' – 8,437'	Polymer (Lateral)	9.0-9.4	40-45	10-25



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

February 7, 2008

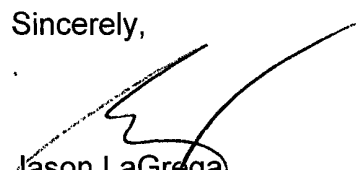
FEB 15 2008
OCD-ARTESIA

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 #2H. 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 #2H
Company:	Midland - New Mexico	TVD Reference:	WELL @ 4043.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4043.00ft (Original Well Elev)
Site:	Souris 29 State #2H	North Reference:	Grid
Well:	Souris 29 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #2H		
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		Sours 29 State #2H			
Site Position:		Northing:	627,409.70ft	Latitude:	32° 43' 27.450 N
From:	Map	Easting:	385,401.20ft	Longitude:	104° 42' 21.496 W
Position Uncertainty:	0 00 ft	Slot Radius:	"	Grid Convergence:	-0 20 ?

Well:	Souris 29 State #2H					
Well Position	+N/-S	0 00 ft	Northing:	627,409.70 ft	Latitude:	32° 43' 27.450 N
	+E/-W	0 00 ft	Easting:	385,401.20 ft	Longitude:	104° 42' 21.496 W
Position Uncertainty	0 00 ft	Wellhead Elevation:	ft	Ground Level:	4,024.00 ft	

Wellbore	Sours 29 State #2H				
Magnetics	Model Name	Sample Date	Declination (?)	Dip Angle (?)	Field Strength (nT)
	IGRF2005	2/11/2008	8.52	60.51	49,069

Design:	Original Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(?)
	4,408.00	0.00	0.00	267.17

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	
4,015.00	0.00	0.00	4,015.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,650.68	76.00	256.00	4,480.00	-87.89	-352.51	11.96	11.96	0.00	256.00	
4,896.47	90.00	268.64	4,510.00	-119.94	-593.23	7.64	5.70	5.14	42.83	
5,896.47	90.00	268.64	4,510.00	-143.68	-1,592.95	0.00	0.00	0.00	0.00	
5,974.40	92.34	268.64	4,508.41	-145.52	-1,670.83	3.00	3.00	0.00	0.01	
8,425.46	92.34	268.64	4,408.43	-203.63	-4,119.16	0.00	0.00	0.00	0.00	
8,436.72	92.00	268.64	4,408.00	-203.90	-4,130.41	3.00	-3.00	0.00	-179.93	BHL (Souris 29 #2H)

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Souris 29 State #2H
Company:	Midland - New Mexico	TVD Reference:	WELL @ 4043.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4043.00ft (Original Well Elev)
Site:	Souris 29 State #2H	North Reference:	Grid
Well:	Souris 29 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #2H		
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
4,015.00	0.00	0.00	4,015.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	10.16	256.00	4,099.56	-1.82	-7.29	7.38	11.96	11.96	0.00
4,200.00	22.12	256.00	4,195.44	-8.53	-34.22	34.60	11.96	11.96	0.00
4,300.00	34.07	256.00	4,283.50	-19.90	-79.83	80.72	11.96	11.96	0.00
4,400.00	46.03	256.00	4,359.90	-35.44	-142.16	143.73	11.96	11.96	0.00
4,500.00	57.98	256.00	4,421.35	-54.47	-218.48	220.90	11.96	11.96	0.00
4,533.96	62.05	256.00	4,438.32	-61.59	-247.02	249.76	11.96	11.96	0.00
PP (Souris 29 #2H)									
4,600.00	69.94	256.00	4,465.16	-76.17	-305.51	308.89	11.96	11.96	0.00
4,650.68	76.00	256.00	4,480.00	-87.89	-352.51	356.41	11.96	11.96	0.00
4,700.00	78.78	258.61	4,490.77	-98.46	-399.45	403.82	7.64	5.63	5.29
4,800.00	84.47	263.76	4,505.34	-113.57	-497.15	502.14	7.64	5.69	5.15

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Souris 29 State #2H
Company:	Midland - New Mexico	TVD Reference:	WELL @ 4043.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4043.00ft (Original Well Elev)
Site:	Souris 29 State #2H	North Reference:	Grid
Well:	Souris 29 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #2H		
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)	
4,896.47	90.00	268.64	4,510.00	-119.94	-593.23	598.42	7.64	5.73	5.05	
4,900.00	90.00	268.64	4,510.00	-120.03	-596.75	601.95	0.00	0.00	0.00	
5,000.00	90.00	268.64	4,510.00	-122.40	-696.73	701.91	0.00	0.00	0.00	
5,100.00	90.00	268.64	4,510.00	-124.77	-796.70	801.88	0.00	0.00	0.00	
5,200.00	90.00	268.64	4,510.00	-127.15	-896.67	901.85	0.00	0.00	0.00	
5,300.00	90.00	268.64	4,510.00	-129.52	-996.64	1,001.82	0.00	0.00	0.00	
5,400.00	90.00	268.64	4,510.00	-131.89	-1,096.61	1,101.78	0.00	0.00	0.00	
5,500.00	90.00	268.64	4,510.00	-134.27	-1,196.59	1,201.75	0.00	0.00	0.00	
5,600.00	90.00	268.64	4,510.00	-136.64	-1,296.56	1,301.72	0.00	0.00	0.00	
5,700.00	90.00	268.64	4,510.00	-139.01	-1,396.53	1,401.68	0.00	0.00	0.00	
5,800.00	90.00	268.64	4,510.00	-141.39	-1,496.50	1,501.65	0.00	0.00	0.00	
5,896.47	90.00	268.64	4,510.00	-143.68	-1,592.95	1,598.09	0.00	0.00	0.00	
5,900.00	90.11	268.64	4,510.00	-143.76	-1,596.47	1,601.62	3.00	3.00	0.00	
5,974.40	92.34	268.64	4,508.41	-145.52	-1,670.83	1,675.97	3.00	3.00	0.00	
6,000.00	92.34	268.64	4,507.37	-146.13	-1,696.40	1,701.54	0.00	0.00	0.00	
6,100.00	92.34	268.64	4,503.29	-148.50	-1,796.29	1,801.43	0.00	0.00	0.00	
6,200.00	92.34	268.64	4,499.21	-150.87	-1,896.18	1,901.31	0.00	0.00	0.00	
6,300.00	92.34	268.64	4,495.13	-153.24	-1,996.07	2,001.20	0.00	0.00	0.00	
6,400.00	92.34	268.64	4,491.05	-155.61	-2,095.96	2,101.08	0.00	0.00	0.00	
6,500.00	92.34	268.64	4,486.97	-157.99	-2,195.84	2,200.96	0.00	0.00	0.00	
6,600.00	92.34	268.64	4,482.89	-160.36	-2,295.73	2,300.85	0.00	0.00	0.00	
6,700.00	92.34	268.64	4,478.81	-162.73	-2,395.62	2,400.73	0.00	0.00	0.00	
6,800.00	92.34	268.64	4,474.73	-165.10	-2,495.51	2,500.62	0.00	0.00	0.00	
6,900.00	92.34	268.64	4,470.65	-167.47	-2,595.40	2,600.50	0.00	0.00	0.00	
7,000.00	92.34	268.64	4,466.57	-169.84	-2,695.29	2,700.38	0.00	0.00	0.00	
7,100.00	92.34	268.64	4,462.49	-172.21	-2,795.18	2,800.27	0.00	0.00	0.00	
7,200.00	92.34	268.64	4,458.42	-174.58	-2,895.07	2,900.15	0.00	0.00	0.00	
7,300.00	92.34	268.64	4,454.34	-176.95	-2,994.95	3,000.04	0.00	0.00	0.00	
7,400.00	92.34	268.64	4,450.26	-179.32	-3,094.84	3,099.92	0.00	0.00	0.00	
7,500.00	92.34	268.64	4,446.18	-181.69	-3,194.73	3,199.80	0.00	0.00	0.00	
7,600.00	92.34	268.64	4,442.10	-184.06	-3,294.62	3,299.69	0.00	0.00	0.00	
7,700.00	92.34	268.64	4,438.02	-186.43	-3,394.51	3,399.57	0.00	0.00	0.00	
7,800.00	92.34	268.64	4,433.94	-188.81	-3,494.40	3,499.46	0.00	0.00	0.00	
7,900.00	92.34	268.64	4,429.86	-191.18	-3,594.29	3,599.34	0.00	0.00	0.00	
8,000.00	92.34	268.64	4,425.78	-193.55	-3,694.17	3,699.22	0.00	0.00	0.00	
8,100.00	92.34	268.64	4,421.70	-195.92	-3,794.06	3,799.11	0.00	0.00	0.00	
8,200.00	92.34	268.64	4,417.62	-198.29	-3,893.95	3,898.99	0.00	0.00	0.00	
8,300.00	92.34	268.64	4,413.54	-200.66	-3,993.84	3,998.88	0.00	0.00	0.00	
8,400.00	92.34	268.64	4,409.46	-203.03	-4,093.73	4,098.76	0.00	0.00	0.00	
8,425.46	92.34	268.64	4,408.43	-203.63	-4,119.16	4,124.19	0.00	0.00	0.00	
8,436.72	92.00	268.64	4,408.00	-203.90	-4,130.41	4,135.44	3.00	-3.00	0.00	
BHL (Souris 29 #2H)										

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Souris 29 State #2H
Company:	Midland - New Mexico	TVD Reference:	WELL @ 4043.00ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 4043.00ft (Original Well Elev)
Site:	Souris 29 State #2H	North Reference:	Grid
Well:	Souris 29 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Souris 29 State #2H		
Design:	Original Plan		

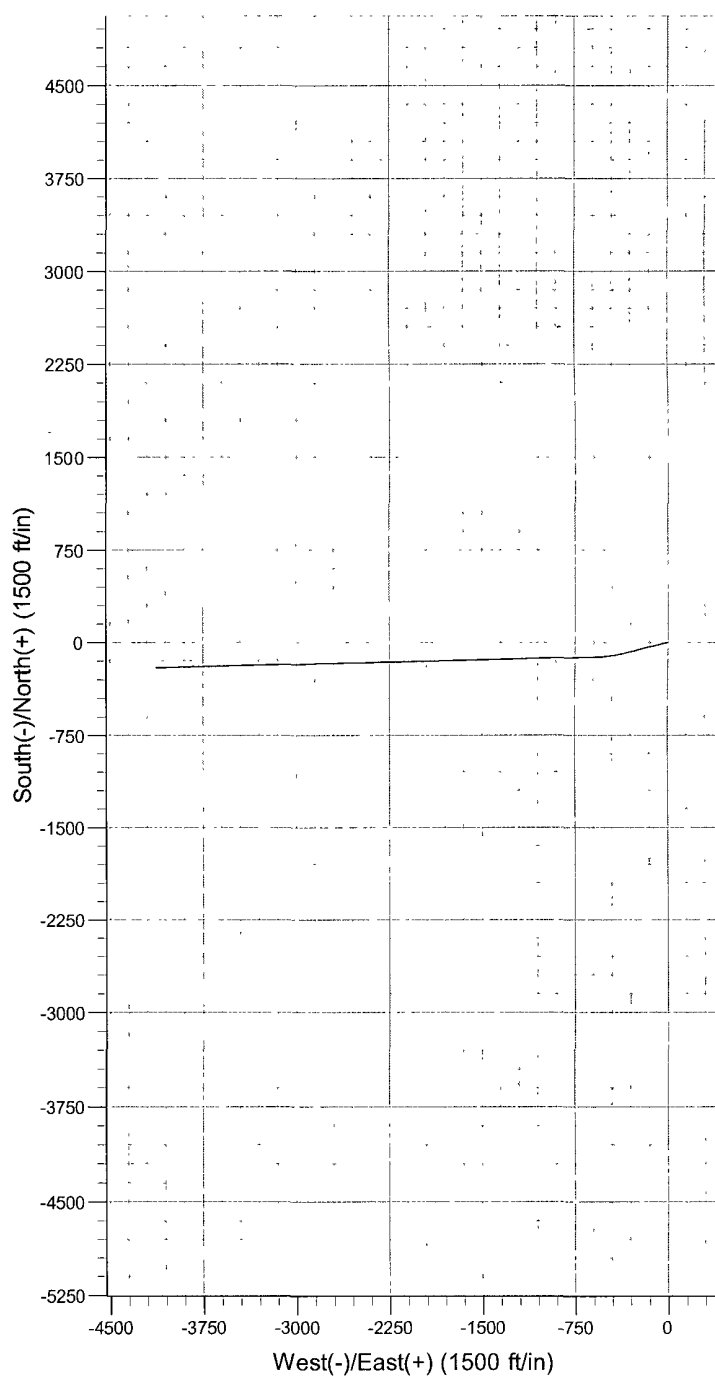
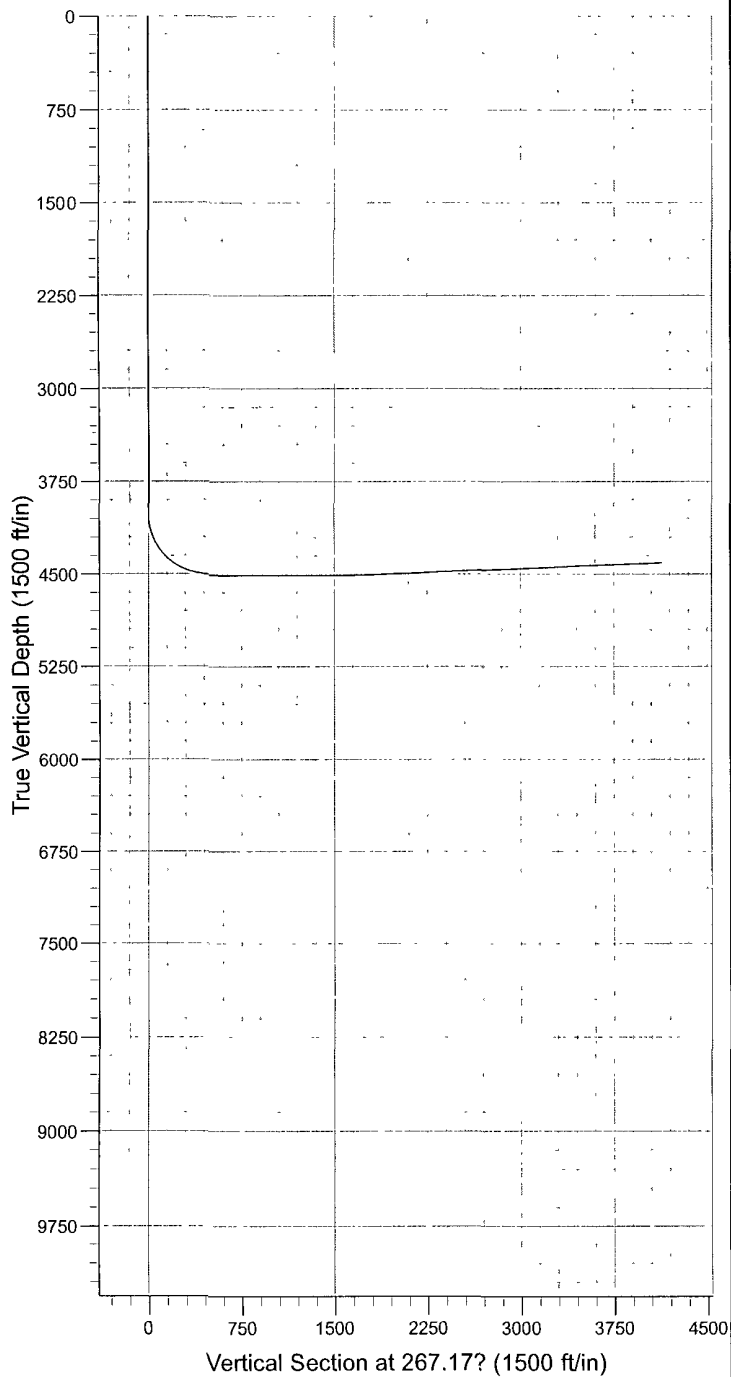
Targets									
Target Name	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(?)	(?)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PP (Souris 29 #2H)	0.00	0.00	4,480.00	-152.50	-203.40	627,257.20	385,197.80	32° 43' 25.934 N	104° 42' 23.870 W
- plan misses target center by 109.11ft at 4533.96ft MD (4438.32 TVD, -61.59 N, -247.02 E)									
- Point									
BHL (Souris 29 #2H)	0.00	0.00	4,408.00	-203.90	-4,130.41	627,205.80	381,270.80	32° 43' 25.286 N	104° 43' 9.837 W
- plan hits target center									
- Point									

WELL DETAILS: Souris 29 State #2H

+N/-S	+E/-W	Northing	Ground Level:	4024.00			
0.00	0.00	627409.70	Easting	385401.20	Latitude	Longitude	Slot
					32° 43' 27.450 N	104° 42' 21.496 W	

SECTION DETAILS

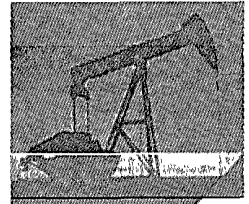
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFact	Target	Sec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4015.00	0.00	0.00	4015.00	0.00	0.00	0.00	0.00	0.00	
3	4650.68	76.00	256.00	4480.00	-87.89	-352.51	11.96	256.00	356.41	
4	4896.47	90.00	268.64	4510.00	-119.94	-593.23	7.64	42.83	598.42	
5	5896.47	90.00	268.64	4510.00	-143.68	-1592.95	0.00	0.00	1598.09	
6	5974.40	92.34	268.64	4508.41	-145.52	-1670.83	3.00	0.01	1675.97	
7	8425.46	92.34	268.64	4408.43	-203.63	-4119.16	0.00	0.00	4124.19	
8	8436.72	92.00	268.64	4408.00	-203.90	-4130.41	0.00	0.00	4135.44	





State of New Mexico Oil Conservation Division

Review APD Permit 69257

[OCD Rules](#)[Help](#)[Contact](#)

Operator Data

- Permit Status
- Well List
- Inactive Well List
- Financial Assurance
- C-115 Reports

OCD Review

- Pending Permits
- User Signup
- Op Registration

OCD Reports

- Compliance

Miscellaneous

- Administration

UserID: BAIRANT
 Title: Geologist
 Operator: OCD
 Sign-out

[Surface Information](#)
[BottomHole/Pool](#)
[Casing/Cement/BOP](#)
[Miscellaneous](#)
[Warnings/Approval](#)
[View Forms](#)
[Close](#)

Operator: EOG RESOURCES INC 7377
 Well: SOURIS 29 STATE #002H
 Surface Location: A-29-18S-23E
 API:

API Information

FATAL: You must enter an API Number
 API County Number is not valid

General Information

FATAL: You must enter a property number for the APD
 This APD will create a new property name

Surface Location

Pit Information

Bottom Holes

The following wells are in the same Spacing Unit

Ogrid	Operator	Well	API	Plugged
7377	EOG RESOURCES INC	SOURIS 29 STATE #001H	30-015-35751	
7377	EOG RESOURCES INC	WALRUS STATE #001 <i>plugged</i>	30-015-33508	

*P/A then drill
 S 29 2H
 then amend
 Admin
 order*

Casing/Cement/BOP

The deepest setting depth(8437) does not equal the proposed total depth(5100)

Miscellaneous

APD Approvals

Approval Type	Approved By	Approval Date	Approve/UnApprove
Administrative			Approve
Geologist			Approve

APD Submittal Date: 2/12/2008

Final Approval Date:

Expiration Date:

You may enter an expiration date or leave the expiration date blank for the system generated expiration date (two years after the final approval date)

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:

@ 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:

@ 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:

@ 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