

F06

DATE IN 6/22/06	SUSPENSE	ENGINEER Mike Stogner	LOGGED IN 6/23/06	TYPE NSL	APP NO. PTD50617435945
-----------------	----------	-----------------------	-------------------	----------	------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



2006 JUN 27 4 14

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication**  
☒ NSL ☐ NSP ☒ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement**  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery**  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

**[D] Other: Specify** \_\_\_\_\_

**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners**
- [B] ☐ Offset Operators, Leaseholders or Surface Owner**
- [C] ☐ Application is One Which Requires Published Legal Notice**
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO**  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,**
- [F] ☐ Waivers are Attached**

**[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

**[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Ocean Munds Dry Ocean Munds Dry Attorney 6-22-06  
 Print or Type Name Signature Title Date  
 omundsdry@hollandhart.com  
 e-mail Address

HOLLAND & HART<sup>LLP</sup>



Ocean Munds-Dry  
Associate

omundsdry@hollandhart.com

2006 JUN 22 PM 4 14

June 22, 2006

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

**AFFECTED INTEREST OWNERS**

Re: Application of EOG Resources, Inc. for administrative approval of an unorthodox well location and the simultaneous dedication and unorthodox well location of the W/2 of Section 23, Township 17 South, Range 24 East, N.M.P.M., Eddy County, New Mexico to its proposed Platte 23 Fee Com Fee Well No. 1H and the existing Platte 23 Fee Com Well No. 2H.

Ladies and Gentlemen:

Enclosed is a copy of the above-referenced application which was filed with the New Mexico Oil Conservation Division on June 22, 2006 and by EOG Resources, Inc. for administrative approval of an unorthodox well location for its Platte 23 Fee Com Well No. 1H, to be drilled from a surface location 600 feet from the South line and 125 feet from the West line to a proposed end point or bottomhole location 660 feet from the North line and 760 feet from the West line of Section 23, Township 17 South, Range 24 East, NMPM, Eddy County, New Mexico and simultaneous dedication of the Platte 23 Fee Com Well No. 1 H and the existing Platte 23 Fee Com Well No. 2H to the W/2 of said Section 23.

As an owner of an interest that may be affected by the proposed well, you may object to this application. Objections must be filed in writing within twenty days from this date at the Division's Santa Fe office that is located at 1220 South Saint Francis Drive, Santa Fe, New Mexico. 87505. If no objection is received within this twenty-day period, this application for an unorthodox well location may be approved.

Very truly yours,

  
Ocean Munds-Dry

ATTORNEY FOR EOG RESOURCES, INC.

Enclosures

Holland & Hart<sup>LLP</sup>

Phone [505] 988-4421 Fax [505] 983-6043 [www.hollandhart.com](http://www.hollandhart.com)

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ☺



2006 JUN 22 PM 4 14

June 22, 2006

**HAND-DELIVERED**

Mark E. Fesmire, P. E.  
Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

Re: Application of EOG Resources, Inc. for administrative approval of an unorthodox well location and the simultaneous dedication of the W/2 of Section 23, Township 17 South, Range 24 East, N.M.P.M., Eddy County, New Mexico to its proposed Platte 23 Fee Com Fee Well No. 1H and the existing Platte 23 Fee Com Well No. 2H.

Dear Mr. Fesmire:

EOG Resources, Inc. is the operator of a standard 320-acre spacing unit in the Undesignated Collins Ranch Wolfcamp Gas Pool (**Pool Code 75010**) comprised of the W/2 of Section 23, Township 17 South, Range 25 East, N.M.P.M., Eddy County, New Mexico. This spacing unit is dedicated to EOG's Platte 23 Fee Com Well No. 2H which has been horizontally drilled and produces from the Wolfcamp formation.

EOG seeks administrative approval of the simultaneous dedication of this standard 320-acre gas spacing unit to the following two horizontal gas wells:

- A. the existing Platte 23 Fee Com Well No. 2H (**API No. 30-015-34489**) horizontally drilled from a surface location 660 feet from the South line and 1980 feet from the West line to a bottomhole location in the Wolfcamp formation 660 feet from the North line and 1980 feet from the West line of said Section 23; and
- B. the proposed Platte 23 Fee Com Well No. 1H (**API No. 30-015-34773**) to be horizontally drilled from an unorthodox surface location 600 feet from the South line and 125 feet from the West line to a proposed end point or bottomhole location 660 feet from the North line and 760 feet from the West line of said Section 23.



The wellbore directional survey of the Platte 23 Fee Com Well No. 2H has been filed with the Division and shows the path of the wellbore within the Wolfcamp formation to be standard pursuant to Division Rules 104.C (2) (a) and 111.A (7). EOG now intends to horizontally drill and complete its proposed Yellow Platte 23 Fee Com Well No. 1H to be drilled to the targeted subsurface end-point or bottomhole location, 760 feet from the West line and 660 feet from the North line (Unit D) of Section 23.

The proposed well is unorthodox pursuant to Division Rules 104.C(2)(b) and Division Rule 111 because the surface location is outside the producing area. This location is required because there is existing surface infrastructure and present commercial use of the surface by the surface owner (cattle corrals and feedlot area). Additionally, the topography of the land did not allow for a standard surface location. South of the location is a creek bed which travels from west to east along the south line of Section 23. The terrain slopes in a southerly direction and grows steeper towards the fall of the creek bed. Thus the nearest reasonable point of relief is to move the surface location to the west.

Attached hereto as **Exhibit A** is a copy of Division Form C-102 for this well that shows the proposed surface and bottomhole location of the well. **Exhibit B** is EOG's Planning Report for the well that confirms the projected wellbore deviation.

**Exhibit C** is a list of affected parties as defined by Division Rules. As required by Rule 1210(A)(2), a copy of this application (with attachments) has been sent to those listed on Exhibit C in accordance with Rule 1207(A)(5) and they have been advised that if they have an objection to this application it must be filed in writing with the Division's Santa Fe office within twenty days from the date this notice was sent.

The spacing unit in the E/2 of Section 22 towards which the proposed well is encroaching is operated by EOG. However, there are certain working interest owners listed above who are not common to the W/2 of Section 23. **Exhibit D** to this application is a C-102 for the Jordan 22 Fee Com Well No. 2H and a C-102 for the Jordan 22 Fee Com Well No. 1H.

The simultaneous dedication of the W/2 of said Section 23 to the Platte 23 Fee Com Well Nos. 1H and 2H will afford EOG the opportunity to efficiently produce the Wolfcamp formation under this spacing unit. EOG's proposed simultaneous dedication of these wells does not exceed the number of wells allowed by Division Rule for this spacing unit.

HOLLAND & HART  LLP

Your attention to this application is appreciated.

Sincerely,



Ocean Munds-Dry  
Attorney for EOG Resources, Inc.

Enclosures

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-34773</b>	Pool Code <b>75010</b>	Pool Name <b>Collins Ranch; Wolfcamp (Gas)</b>
Property Code <b>35589</b>	Property Name <b>PLATTE 23 FEE COM</b>	Well Number <b>1H</b>
OGRID No. <b>7377</b>	Operator Name <b>EOG RESOURCES, INC.</b>	Elevation <b>3728'</b>

Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>23</b>	<b>17 SOUTH</b>	<b>24 EAST, N.M.P.M.</b>		<b>600</b>	<b>SOUTH</b>	<b>125</b>	<b>WEST</b>	<b>EDDY</b>

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>	<b>23</b>	<b>17 SOUTH</b>	<b>24 EAST, N.M.P.M.</b>		<b>660</b>	<b>NORTH</b>	<b>760</b>	<b>WEST</b>	<b>EDDY</b>

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
<b>320</b>			

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.

	<b>BOTTOM HOLE LOCATION</b> NEW MEXICO EAST NAD 1927 Y=684447.2 X=428836.5 LAT.: N 32.8284381 LONG.: W 104.5848986	RECEIVED APR 10 2006 JOURNAL	<b>OPERATOR CERTIFICATION</b> 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 Signature Date 4/6/2006
	<b>ENTRY POINT</b> NEW MEXICO EAST NAD 1927 Y=681123.3 X=428747.0 LAT.: N 32.8172881 LONG.: W 104.5832861		<b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of a duly surveyed well by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor Certificate Number 15079 WOLF 060317ML (CDE)
	<b>SURFACE HOLE LOCATION</b> NEW MEXICO EAST NAD 1927 Y=680421.9 X=428305.8 LAT.: N 32.8153688 LONG.: W 104.5870234		

EXHIBIT A

# Planning Report

Database	EDM	Local Co-ordinate Reference:	Well Platte 23 Fee Com #1H
Company	EOG - Midland (3)	TVD Reference:	WELL @ 3745.0ft (Original Well Elev)
Project	Thames	MD Reference:	WELL @ 3745.0ft (Original Well Elev)
Site	Platte 23 Fee Com #1H	North Reference:	Grid
Well	Platte 23 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Well bore	Platte 23 Fee Com #1H		
Design	Plan #2		

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:	Platte 23 Fee Com #1H				
Site Position:		Northing:	660,421.90 ft	Latitude:	32° 48' 55.331 N
From:	Map	Easting:	428,205.60 ft	Longitude:	104° 34' 1.284 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.13 °

Well	Platte 23 Fee Com #1H					
Well Position	+N-S	0.0 ft	Northing:	660,421.90 ft	Latitude:	32° 48' 55.331 N
	+E-W	0.0 ft	Easting:	428,205.60 ft	Longitude:	104° 34' 1.284 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	3,728.0 ft

Wellbore		Platte 23 Fee Com #1H			
Magnetics	Model Name	Sample Date	Declination ( $\mu$ )	Dip Angle ( $\mu$ )	Field Strength (nT)
	IGRF2005	3/31/2006	8.68	60.66	49,362

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/S	+E/W	Direction
	(ft)	(ft)	(ft)	(ft)
	0.0	0.0	0.0	8.91

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (1/1000)	Build Rate (1/1000)	Turn Rate (1/1000)	TFO (ft)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,472.7	30.00	42.00	4,460.4	51.9	46.7	11.00	11.00	0.00	42.00	
4,622.7	30.00	42.00	4,590.3	107.6	96.9	0.00	0.00	0.00	0.00	
5,406.7	90.00	35.00	4,965.0	622.7	489.8	7.68	7.65	-0.89	351.93	
6,748.8	90.50	354.74	4,958.8	1,893.3	827.1	3.00	0.04	-3.00	-89.22	
8,889.8	90.50	354.74	4,940.0	4,025.2	630.9	0.00	0.00	0.00	0.00	
8,889.9	90.50	354.74	4,940.0	4,025.3	630.9	3.00	-2.92	-0.70	-166.42 BHL (Platte 23 #1H)	

# Planning Report

Database:	EDM	Local Coordinate Reference:	Well Platte 23 Fee Com #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3745.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3745.0ft (Original Well Elev)
Site:	Platte 23 Fee Com #1H	North Reference:	Grd
Well:	Platte 23 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Platte 23 Fee Com #1H		
Design:	Plan #2		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	N-S (ft)	E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Budd 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	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	11.00	42.00	4,299.4	7.1	6.4	8.0	11.00	11.00	0.00	
4,400.0	22.00	42.00	4,395.1	28.2	25.4	31.8	11.00	11.00	0.00	
4,472.7	30.00	42.00	4,460.4	51.9	46.7	58.5	11.00	11.00	0.00	
4,500.0	30.00	42.00	4,484.1	62.0	55.8	69.9	0.00	0.00	0.00	
4,600.0	30.00	42.00	4,570.7	99.2	89.3	111.8	0.00	0.00	0.00	
4,622.7	30.00	42.00	4,590.3	107.6	96.9	121.3	0.00	0.00	0.00	
4,700.0	35.89	40.58	4,655.2	139.2	124.6	156.8	7.68	7.62	-1.84	
4,800.0	43.53	39.25	4,732.0	188.2	165.5	211.5	7.68	7.64	-1.33	
4,900.0	51.17	38.25	4,799.7	245.5	211.4	275.3	7.68	7.65	-1.00	
5,000.0	58.83	37.44	4,857.1	310.2	261.6	347.0	7.68	7.66	-0.81	
5,100.0	66.49	36.75	4,902.9	381.0	315.2	425.2	7.68	7.66	-0.69	



# Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Platte 23 Fee Com #1H
Company:	EOG - Midland (3)	IVD Reference:	WELL @ 3745.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3745.0ft (Original Well Elev)
Site:	Platte 23 Fee Com #1H	North Reference:	Grid
Well:	Platte 23 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Platte 23 Fee Com #1H		
Design:	Plan #2		

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)	
5,200.0	74.15	36.14	4,936.6	456.7	371.1	508.6	7.68	7.66	-0.61	
5,300.0	81.82	35.58	4,957.4	535.9	428.3	595.8	7.68	7.66	-0.56	
5,400.0	89.48	35.04	4,965.0	617.2	485.9	685.0	7.68	7.67	-0.54	
5,406.7	90.00	35.00	4,965.0	622.7	489.8	691.1	7.68	7.67	-0.54	
5,500.0	90.04	32.20	4,965.0	700.4	541.4	775.8	3.00	0.04	-3.00	
5,600.0	90.08	29.20	4,964.9	786.4	592.4	868.6	3.00	0.04	-3.00	
5,700.0	90.12	26.20	4,964.7	874.9	638.9	963.3	3.00	0.04	-3.00	
5,800.0	90.16	23.20	4,964.5	965.7	680.7	1,059.5	3.00	0.04	-3.00	
5,900.0	90.20	20.20	4,964.1	1,058.6	717.7	1,157.0	3.00	0.04	-3.00	
6,000.0	90.24	17.20	4,963.8	1,153.3	749.7	1,255.5	3.00	0.04	-3.00	
6,100.0	90.28	14.20	4,963.3	1,249.6	776.8	1,354.8	3.00	0.04	-3.00	
6,200.0	90.31	11.20	4,962.8	1,347.1	798.8	1,454.6	3.00	0.04	-3.00	
6,300.0	90.35	8.20	4,962.2	1,445.7	815.6	1,554.6	3.00	0.04	-3.00	
6,400.0	90.39	5.20	4,961.6	1,545.0	827.3	1,654.5	3.00	0.04	-3.00	
6,500.0	90.42	2.20	4,960.9	1,644.8	833.8	1,754.0	3.00	0.03	-3.00	
6,600.0	90.46	359.20	4,960.1	1,744.8	835.0	1,853.0	3.00	0.03	-3.00	
6,700.0	90.49	356.20	4,959.3	1,844.7	831.0	1,951.1	3.00	0.03	-3.00	
6,748.8	90.50	354.74	4,958.8	1,893.3	827.1	1,998.5	3.00	0.03	-3.00	
6,800.0	90.50	354.74	4,958.4	1,944.3	822.4	2,048.2	0.00	0.00	0.00	
6,900.0	90.50	354.74	4,957.5	2,043.9	813.3	2,145.1	0.00	0.00	0.00	
7,000.0	90.50	354.74	4,956.6	2,143.4	804.1	2,242.1	0.00	0.00	0.00	
7,100.0	90.50	354.74	4,955.7	2,243.0	795.0	2,339.0	0.00	0.00	0.00	
7,200.0	90.50	354.74	4,954.9	2,342.6	785.8	2,436.0	0.00	0.00	0.00	
7,300.0	90.50	354.74	4,954.0	2,442.2	776.6	2,533.0	0.00	0.00	0.00	
7,400.0	90.50	354.74	4,953.1	2,541.7	767.5	2,629.9	0.00	0.00	0.00	
7,500.0	90.50	354.74	4,952.2	2,641.3	758.3	2,726.9	0.00	0.00	0.00	
7,600.0	90.50	354.74	4,951.4	2,740.9	749.1	2,823.8	0.00	0.00	0.00	
7,700.0	90.50	354.74	4,950.5	2,840.5	740.0	2,920.8	0.00	0.00	0.00	
7,800.0	90.50	354.74	4,949.6	2,940.0	730.8	3,017.7	0.00	0.00	0.00	
7,900.0	90.50	354.74	4,948.7	3,039.6	721.6	3,114.7	0.00	0.00	0.00	
8,000.0	90.50	354.74	4,947.8	3,139.2	712.5	3,211.6	0.00	0.00	0.00	
8,100.0	90.50	354.74	4,947.0	3,238.8	703.3	3,308.6	0.00	0.00	0.00	
8,200.0	90.50	354.74	4,946.1	3,338.3	694.1	3,405.6	0.00	0.00	0.00	
8,300.0	90.50	354.74	4,945.2	3,437.9	685.0	3,502.5	0.00	0.00	0.00	
8,400.0	90.50	354.74	4,944.3	3,537.5	675.8	3,599.5	0.00	0.00	0.00	
8,500.0	90.50	354.74	4,943.4	3,637.1	666.6	3,696.4	0.00	0.00	0.00	
8,600.0	90.50	354.74	4,942.6	3,736.6	657.5	3,793.4	0.00	0.00	0.00	
8,700.0	90.50	354.74	4,941.7	3,836.2	648.3	3,890.3	0.00	0.00	0.00	
8,800.0	90.50	354.74	4,940.8	3,935.8	639.1	3,987.3	0.00	0.00	0.00	
8,889.8	90.50	354.74	4,940.0	4,025.2	630.9	4,074.3	0.00	0.00	0.00	
8,889.9	90.50	354.74	4,940.0	4,025.3	630.9	4,074.4	3.00	-2.92	-0.70	

# Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Platte 23 Fee Com #1H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3745.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3745.0ft (Original Well Elev)
Site:	Platte 23 Fee Com #1H	North Reference:	Grid
Well:	Platte 23 Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Platte 23 Fee Com #1H		
Design:	Plan #2		

Targets									
Target Name	Dip Angle	Dip Dir	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
LP (Platte 23 #1H)	0.00	0.00	4,965.0	61.8	635.0	660,483.70	428,840.60	32° 48' 55.956 N	104° 33' 53.845 W
- plan misses by 579.4ft at 5406.7ft MD (4965.0 TVD, 622.7 N, 489.8 E)									
- Point									
BHL (Platte 23 #1H)	0.00	0.00	4,940.0	4,025.3	630.9	664,447.20	428,836.50	32° 49' 35.176 N	104° 33' 53.995 W
- plan hits target									
- Point									
LP2	0.00	0.00	4,965.0	800.0	635.0	661,221.90	428,840.60	32° 49' 3.261 N	104° 33' 53.864 W
- plan misses by 229.2ft at 5406.7ft MD (4965.0 TVD, 622.7 N, 489.8 E)									
- Point									

**Exhibit C**  
**EOG Resources, Inc.**  
**W/2 of Section 23, Township 17 South, Range 24 East**  
**Eddy County, New Mexico**

Capstone Oil & Gas Company  
P.O. Box 10187  
Midland, Texas 79702

Parallel Petroleum Corporation  
P.O. Box 10587  
Midland, Texas 79702

CMW Interests, Inc.  
24 Smith Road, Suite 405  
Midland, Texas 79705

Elger Exploration, Inc.  
P.O. Box 2623  
Midland, Texas 79702-2623

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code		Pool Name	
Property Code		Property Name		Well Number	
		JORDAN "22" FEE COM		1H	
GRID No.		Operator Name		Elevation	
		EOG RESOURCES, INC.		3729'	

### Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	17 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	760'	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
A	22	17 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	EAST	EDDY
Dedicated Acres		Joint or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <div>BHL X = 427316 Y = 664442 LAT: N 32.82638 LONG: W 104.56995</div> <div>NAD 27 NME ZONE X = 427318 Y = 660476 LAT: N 32.81551 LONG: W 104.56991</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p> <div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____</p> <div><p>V. LYNN BEZNER NO. 7920</p></div> <p>Certificate Number V. L. BEZNER R.P.S. #7920</p> <p>JOB # 101797 / 101 SE / E.U.O.</p>
---	--

EXHIBIT D

**DISTRICT I**

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

**DISTRICT II**

1301 W. Grand Avenue, Artesia, NM 88210

**OIL CONSERVATION DIVISION**

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

**DISTRICT IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>JORDAN "22" FEE COM</b>	<sup>6</sup> Well Number <b>2H</b>
<sup>7</sup> OGRID No.	<sup>8</sup> Operator Name <b>EOG RESOURCES, INC.</b>	<sup>9</sup> Elevation <b>3738'</b>

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	22	17 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	1880'	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
B	22	17 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	1880'	EAST	EDDY
<sup>13</sup> Dedicated Acres	<sup>15</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p> <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p><b>SEPTEMBER 30, 2005</b></p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>Certificate Number <b>V. L. BEZNER R.P.S. #7920</b></p> <p><b>JOB #106715 / 101 SE / E.U.O.</b></p>
--	--