

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Month
MAY 30 2007
OCD-ARTESIA, NM

5. Lease Serial No.
MMNM 111400
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EOG RESOURCES, INC.

3a. Address
P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)
432 686 3642

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1880' FEL (U/L O) of Section 25, T16S-R24E, N.M.P.M. (SHL)

660' FNL & 1880' FEL (U/L B) of Sec 25, T16S-R24E, (BHL)

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
NEW 25 FED No. 2H

9. API Well No.
30-015-34895

10. Field and Pool, or Exploratory Area
Undes Cottonwood Creek; Wolfcamp,

11. County or Parish, State
Eddy

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Request to extend
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	APD for Additional
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Year.

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources Inc (EOG) respectfully requests approval to extend the Federal Permit to Drill for an additional year. Said permit to expire on 5/23/2007. Request extension to 5/23/2008.

APPROVED FOR 24 MONTH PERIOD
ENDING MAY 23 2009

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Donny G. Glanton

Title **Senior Lease Operations ROW Representative**

Signature

Don G. Glanton

Date

05/14/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Don Peterson **ACTING**

Title **FIELD MANAGER**

Date

MAY 25 2007

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well New 25 Fed #2H
Company:	EOG - Midland (3)	TVD Reference:	WELL @ 3681.0ft (Original Well Elev)
Project:	Thames	MD Reference:	WELL @ 3681.0ft (Original Well Elev)
Site:	New 25 Fed #2H	North Reference:	Grid
Well:	New 25 Fed #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	New 25 Fed #2H		
Design:	Plan #1		

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		New 25 Fed #2H			
Site Position:		Northing:	686,960.80 ft	Latitude:	32° 53' 18.120 N
From:	Map	Easting:	436,867.90 ft	Longitude:	104° 32' 20.386 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.11 °

Well	New 25 Fed #2H					
Well Position	+N-S	0.0 ft	Northing:	686,960.80 ft	Latitude:	32° 53' 18.120 N
	+E-W	0.0 ft	Easting:	436,867.90 ft	Longitude:	104° 32' 20.386 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	3,663.0 ft

Wellbore	New 25 Fed #2H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	4/17/2006	8.67	60.74	49,405

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	4,669.0	0.0	0.0	0.04	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,218.0	0.00	0.00	4,218.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,975.1	90.00	0.04	4,700.0	482.0	0.3	11.89	11.89	0.00	0.04	
4,992.1	90.51	0.04	4,699.9	498.9	0.3	3.00	3.00	0.02	0.40	
8,478.9	90.51	0.04	4,669.0	3,985.6	3.0	0.00	0.00	0.00	0.00	
8,479.2	90.50	0.04	4,669.0	3,985.9	3.0	3.00	-2.75	-1.20	-156.33	BHL (New #2H)

Planning Report

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Project:	Thames	MD Reference:	WELL @ 3681.0ft (Original Well Elev)
Site:	New 25 Fed #2H	North Reference:	Grid
Well:	New 25 Fed #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	New 25 Fed #2H		
Design:	Plan #1		

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)	
0.0	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	
4,218.0	0.00	0.00	4,218.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	9.75	0.04	4,299.6	7.0	0.0	7.0	11.89	11.89	0.00	
4,400.0	21.63	0.04	4,395.7	34.0	0.0	34.0	11.89	11.89	0.00	
4,500.0	33.52	0.04	4,484.2	80.2	0.1	80.2	11.89	11.89	0.00	
4,600.0	45.41	0.04	4,561.2	143.6	0.1	143.6	11.89	11.89	0.00	
4,700.0	57.30	0.04	4,623.6	221.6	0.2	221.6	11.89	11.89	0.00	
4,800.0	69.18	0.04	4,668.5	310.7	0.2	310.7	11.89	11.89	0.00	
4,900.0	81.07	0.04	4,694.2	407.2	0.3	407.2	11.89	11.89	0.00	
4,975.1	90.00	0.04	4,700.0	482.0	0.3	482.0	11.89	11.89	0.00	
4,992.1	90.51	0.04	4,699.9	498.9	0.3	498.9	3.00	3.00	0.02	
5,000.0	90.51	0.04	4,699.9	506.9	0.4	506.9	0.00	0.00	0.00	

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Wellbore:	New 25 Fed #2H		
Design:	Plan #1		

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)
5,100.0	90.51	0.04	4,699.0	606.9	0.4	606.9	0.00	0.00	0.00
5,200.0	90.51	0.04	4,698.1	706.9	0.5	706.9	0.00	0.00	0.00
5,300.0	90.51	0.04	4,697.2	806.9	0.6	806.9	0.00	0.00	0.00
5,400.0	90.51	0.04	4,696.3	906.9	0.7	906.9	0.00	0.00	0.00
5,500.0	90.51	0.04	4,695.4	1,006.9	0.7	1,006.9	0.00	0.00	0.00
5,600.0	90.51	0.04	4,694.5	1,106.9	0.8	1,106.9	0.00	0.00	0.00
5,700.0	90.51	0.04	4,693.6	1,206.8	0.9	1,206.8	0.00	0.00	0.00
5,800.0	90.51	0.04	4,692.8	1,306.8	1.0	1,306.8	0.00	0.00	0.00
5,900.0	90.51	0.04	4,691.9	1,406.8	1.0	1,406.8	0.00	0.00	0.00
6,000.0	90.51	0.04	4,691.0	1,506.8	1.1	1,506.8	0.00	0.00	0.00
6,100.0	90.51	0.04	4,690.1	1,606.8	1.2	1,606.8	0.00	0.00	0.00
6,200.0	90.51	0.04	4,689.2	1,706.8	1.3	1,706.8	0.00	0.00	0.00
6,300.0	90.51	0.04	4,688.3	1,806.8	1.3	1,806.8	0.00	0.00	0.00
6,400.0	90.51	0.04	4,687.4	1,906.8	1.4	1,906.8	0.00	0.00	0.00
6,500.0	90.51	0.04	4,686.6	2,006.8	1.5	2,006.8	0.00	0.00	0.00
6,600.0	90.51	0.04	4,685.7	2,106.8	1.6	2,106.8	0.00	0.00	0.00
6,700.0	90.51	0.04	4,684.8	2,206.8	1.6	2,206.8	0.00	0.00	0.00
6,800.0	90.51	0.04	4,683.9	2,306.8	1.7	2,306.8	0.00	0.00	0.00
6,900.0	90.51	0.04	4,683.0	2,406.8	1.8	2,406.8	0.00	0.00	0.00
7,000.0	90.51	0.04	4,682.1	2,506.8	1.9	2,506.8	0.00	0.00	0.00
7,100.0	90.51	0.04	4,681.2	2,606.8	2.0	2,606.8	0.00	0.00	0.00
7,200.0	90.51	0.04	4,680.3	2,706.8	2.0	2,706.8	0.00	0.00	0.00
7,300.0	90.51	0.04	4,679.5	2,806.8	2.1	2,806.8	0.00	0.00	0.00
7,400.0	90.51	0.04	4,678.6	2,906.8	2.2	2,906.8	0.00	0.00	0.00
7,500.0	90.51	0.04	4,677.7	3,006.8	2.3	3,006.8	0.00	0.00	0.00
7,600.0	90.51	0.04	4,676.8	3,106.8	2.3	3,106.8	0.00	0.00	0.00
7,700.0	90.51	0.04	4,675.9	3,206.8	2.4	3,206.8	0.00	0.00	0.00
7,800.0	90.51	0.04	4,675.0	3,306.8	2.5	3,306.8	0.00	0.00	0.00
7,900.0	90.51	0.04	4,674.1	3,406.8	2.6	3,406.8	0.00	0.00	0.00
8,000.0	90.51	0.04	4,673.2	3,506.8	2.6	3,506.8	0.00	0.00	0.00
8,100.0	90.51	0.04	4,672.4	3,606.8	2.7	3,606.8	0.00	0.00	0.00
8,200.0	90.51	0.04	4,671.5	3,706.7	2.8	3,706.7	0.00	0.00	0.00
8,300.0	90.51	0.04	4,670.6	3,806.7	2.9	3,806.7	0.00	0.00	0.00
8,400.0	90.51	0.04	4,669.7	3,906.7	2.9	3,906.7	0.00	0.00	0.00
8,478.9	90.51	0.04	4,669.0	3,985.6	3.0	3,985.6	0.00	0.00	0.00
8,479.2	90.50	0.04	4,669.0	3,985.9	3.0	3,985.9	3.00	-2.75	-1.20

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 (New #2H)	0.00	0.00	4,669.0	3,985.9	3.0	690,946.70	436,870.90	32° 53' 57.561 N	104° 32' 20.442 W
- plan hits target									
- Point									

SITE DETAILS: New 25 Fed #2H

Site Centre Northing: 686960.80
Easting: 436867.90

Positional Uncertainty: 0.0
Convergence: -0.11
Local North: Grid

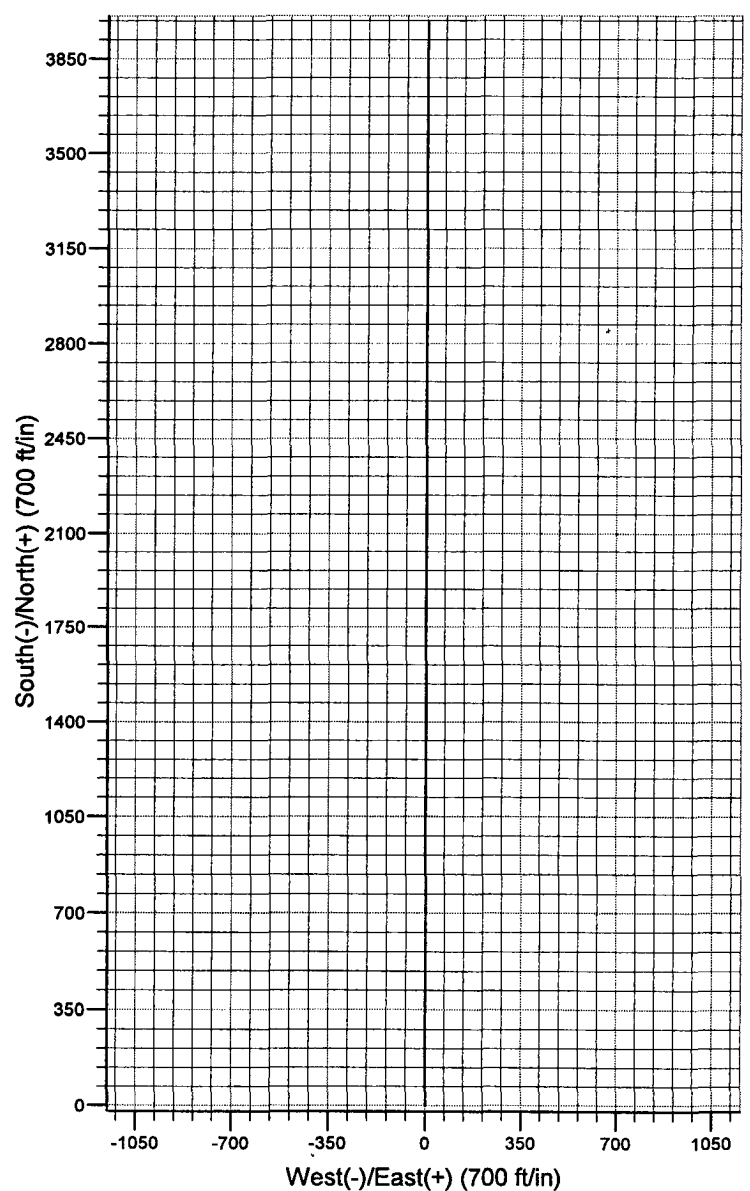
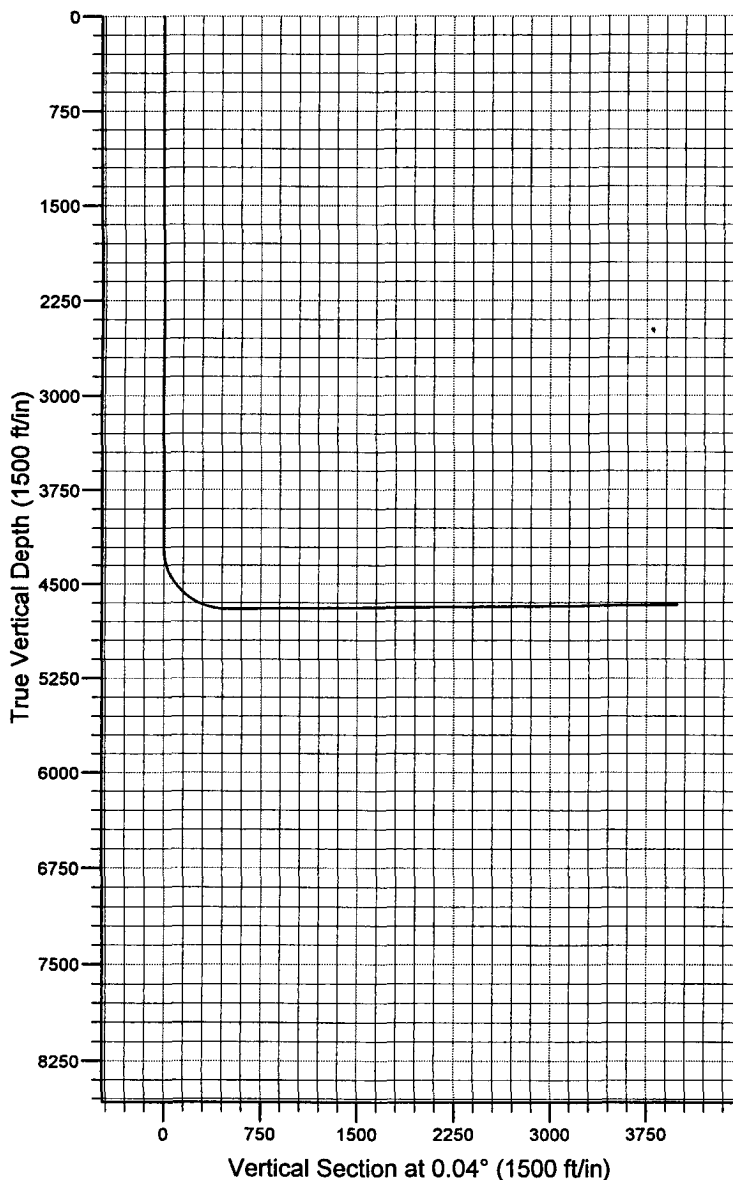
PROJECT DETAILS: Thames

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4218.0	0.00	0.00	4218.0	0.0	0.0	0.00	0.00	0.0	
4975.1	90.00	0.04	4700.0	482.0	0.3	11.89	0.04	482.0	
4992.1	90.51	0.04	4699.9	498.9	0.3	3.00	0.40	498.9	
8478.9	90.51	0.04	4669.0	3985.6	3.0	0.00	0.00	3985.6	
8479.2	90.50	0.04	4669.0	3985.9	3.0	3.00	-156.33	3985.9	BHL (New #2H)



IX. DRILLING REQUIREMENTS:

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: EOG Resources Inc.

Well Name & No. New 25 Fed # 2 H

Location: 660' FNL & 1880' FEL Section 25, T 16 S., R. 24 S

Lease: NMN 111400

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I. DRILLING OPERATIONS REQUIREMENTS:

- A. The Bureau of Land Management (BLM) is to be notified a minimum of 4 hours in advance for a representative to witness:
1. Spudding well
 2. Setting and/or Cementing of all casing strings
 3. BOPE tests
- Eddy County call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822
- B. A Hydrogen Sulfide (H₂S) Drilling Plan is not required for this well site.
- C. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- D. Gamma-Ray/Neutron logs shall be run from the base of the Salado formation to the surface. The logs shall be run at a speed which allows the logs to be legible and no faster than manufactures of the logging tools recommended speed. (R-111-P area only)
- E. If floor controls are required, (3M or Greater) controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

II. CASING:

- A. The 8.625inch surface casing shall be set at 900 feet and cemented to the surface.
1. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 2. Wait on cement (WOC) time for a primary cement job will be a minimum of 12 hours for a non-water basin, 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compression strength, whichever is greater. (This is to include the lead cement)
 3. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compression strength, whichever is greater.
 4. If cement falls back, remedial action will be done prior to drilling out that string.

B. The minimum required fill of cement behind the 5.5 inch casing is to place cement to surface).

C. If hardband drill pipe is rotated inside casing; returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

III. PRESSURE CONTROL:

A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53.

B. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) PSI.

C. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 12.25 inch surface / Intermediate casing shoe shall be 3000 (3M) PSI.

D. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

1. The tests shall be done by an independent service company.
2. The results of the test shall be reported to the appropriate BLM office.
3. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
4. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi in accordance with API RP 53. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
5. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp (formation). This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

IV. DRILLING MUD:

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

1. Recording pit level indicator to indicate volume gains and losses.
2. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
3. Flow-sensor on the flow line to warn of abnormal mud returns from the well