OMB No. 1004-0137 Expires March 31, 2007 (February 2005) Lease Serial No. SEPARTMENT OF THE INTERIOR NMNM 108958 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. **✓** DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well 🗸 Gas Well Single Zone Multiple Zone lb. Type of Well: NILE STATE 22 COM 2H Name of Operator 9. API Well No. EOG Resources, Inc. -30-015-34422-3b. Phone No. (include area code) 3a. Address P.O. Box 2267 Midland, TX 79702 10. Field and Pool, or Exploratory 432-686-3642 Collins Ranch; Wolfcamp (Gas) Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area 960' FSL & 760' FWL (U/L M) Section 22, T17S-R24E, N.M.P.M. 660' FNL & 760' FWL (U/L D) At proposed prod. zone Roswell Controlled Water Basih 14. Distance in miles and direction from nearest town or post office 12. County or Parish 13. State 12 miles west of Artesia, NM Eddy NM Distance from proposed 17 Spacing Unit dedicated to this well 16. No. of acres in lease 760 location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 320 W/2 of Sec 22, T17S-R24E, N.M.P.M. 18. Distance from proposed location* to nearest well, drilling, completed, 20 BLM/BIA Bond No. on file 19. Proposed Depth 5,100' TVD; 8,455' TMD 1120 NM2308 applied for, on this lease, ft Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration GL 3,753' 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. Operator certification 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the Name (Printed/Typed) 25. Signature Donny G. Glanton 07/16/2007 Title Sr. Lease Operations ROW Representative Date JUL 1 0 2008 Name (Printed/Typed) Approved by (Signature) /s/ James Stovall /s/ James Stovall Office Title CARLSBAD FIELD OFFICE ·· ity that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to Application approval does not conduct operations thereon. Conditions of approval, if any, are attached APPROVAL FOR TWO YEARS

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.

OCD-ARTESIA

*(Instructions on page 2)

Form 3160-3

н

SEE ATTACHED FOR CONDITIONS OF APPROVAL APPROVAL SUBJECT TO **GENERAL REQUIREMENTS** AND SPECIAL STIPULATIONS ATTACHED

475-70-274

Statement Accepting Responsibility For Operations

Operator Name:

EOG Resources, Inc.

Street or Box:

P.O. Box 2267 Midland, TX

City, State: Zip Code:

79702

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NMNM 108958

Legal Description of Land: NW/4 of Section 22, T17S; R24E, N.M.P.M., Eddy Co. NM

Formation: Collins Ranch; Wolfcamp Gas

Bond Coverage: Nationwide

BLM Bond File No.: NM2308 with endorsement to State of NM

Authorized Signature: Donny G. Glanton

Title: Sr. Lease Operations ROW Representative

Date: 7/16/2007



(432) 686-3642 Office (432) 770-0602 Cell Donny_Glanton@eogresources.com EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702 (432) 686-3600

September 26, 2007

BLM – Carlsbad Office Att: Mr. Duncan Whitlock 620 E. Greene Carlsbad, NM 88220

Re: NILE STATE 22 COM 2H

Dear Mr. Whitlock:

The surface is owned by the State of New Mexico.

Donny G. Glanton

In D. My.

Sr. ROW Lease Operations Representative

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

1301 W. Grand Avenue, Artesia, NM 88210

Revised August 15, 2000 Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III

DISTRICT IV

1000 Rio Brazos Rd., Aztec, NM 87410

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

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

OIL CONSERVATION DIVISION

30-015-344-	22 750/	Collins Rauch: 12	& Hoams (G)
Property/Code/		Property Name TATE "22" COM	6 Well Mumber 2H
70GRID No.		Operator Name ESOURCES, INC.	⁹ Elevation 3765'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	17 SOUTH	24 EAST, N.M.P.M.		960'	SOUTH	760'	WEST	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	22	17 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	WEST	EDDY
12 Dedicated Acres	s 13 Jo	int or Infill	14 Consolidation Code	¹⁵ Order N	· ·	<u> </u>			

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

ů/		
260. 1 3666. 1 3666. 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	NAD 27 NME ZONE X = 423531 Y = 660765	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Don't G. Glanton Printed Name Sc. Leave Operators Rep Title 18 SURVEYOR CERTIFICATION I hereby certify that the well techtion shown on this plat was plotted from field mixed actual strong manual by see a mader my supervision, and that the same is true and correct to the best of my bellef. SEPTEMBER 30, 2005 Date of Survey Signature and Seal of Professional Surveyor
960'	X = 423531	Certificat Number V. A. BEZNER R.P.S. #7920 JOB # 106714 / 101 SE / E.U.O.

State of New Mexico

Form C-102

1625 N. French Dr., Hobbs, NM 88240

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000 Submit to Appropriate District Office

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

OIL CONSERVATION DIVISION

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	² Pool Code		³ Pool Name	
30-015-3442	2 75010	Collins Ranch	; Wolfcamp	Gas
Property Code 34244		Property Name TATE "22" COM		Well Number 2H
⁷ OGRID No. 7377		Operator Name ESOURCES, INC.		SElevation 3765

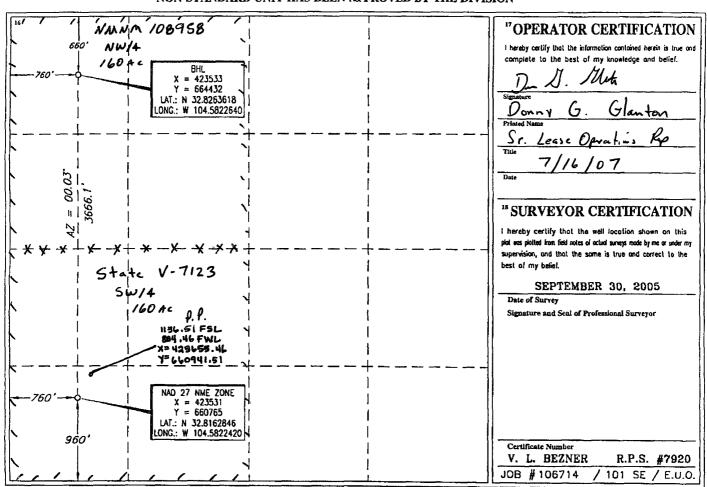
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	}
M	22	17 SOUTH	24 EAST, N.M.P.M.		960'	SOUTH	760'	WEST	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
ם	22	17 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	WEST	EDDY
12 Dedicated Acre	s 13 Jo	int or Infill	¹⁴ Consolidation Code	15 Order N	0.		·	1	
320									

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



EOG RESOURCES INC.

Planning Report

Database: EDM EOG - Midland (3) Company:

Thames

Project: Site: Nile 22 State Com #2H Well: Nile 22 State Com #2H Wellbore: Nile 22 State Com #2H Original Plan Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method

Well Nile 22 State Com #2H

WÉLL @ 3783.00ft (Original Well Elev) WELL @ 3783 00ft (Original Well Elev)

Minimum Curvature

Project * Thames

Map System: Geo Datum:

Map Zone:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

New Mexico East 3001

System Datum:

Ground Level

Site -Nile 22 State Com #2H

Site Position: From: Мар **Position Uncertainty:**

0 00 ft

Northing: 660,765.00ft Easting: 423,531.00ft Slot Radius:

Longitude:

Grid Convergence:

32° 48' 58.620 N 104° 34' 56.070 W

-0 13 °

Well Nile 22 State Com #2H

Well Position 0.00 ft

Northing: Easting:

660,765.00 ft 423,531,00 ft

Latitude: Longitude:

32° 48' 58.620 N 104° 34' 56.070 W

3,765 00ft

+E/-W 0.00 ft **Position Uncertainty** 0.00 ft Wellhead Elevation: **Ground Level:**

Wellbore Nile 22 State Com #2H

Magnetics Model Name Declination Sample Date Dip Angle Field Strength **IGRF2000** 12/31/2004 9.08 60.79 49,653

Design Original Plan Audit Notes: Version: Phase: **PROTOTYPE** Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (°) 0.00 0.00 0 00 0.03

Plan Sections			- 1	as the state of		A			March & March	The state of the s
Measured			Vertical			Dogleg	Build	Turn		
Depth Inc	lination A	zimuth	Depth	+N/-S	+E/-W	Rate	Rate	Rate	TFO	7.1
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	Target
0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0 00	0.00	
4,568.00	0.00	0.00	4,568 00	0.00	0 00	0 00	0.00	0.00	0.00	
5,168.04	90 00	0.03	4,950.00	382 00	0 20	15.00	15.00	0.00	0.03	
5,233.16	91.76	0 03	4,949 00	447.10	0 23	2.70	2.70	0.00	0.00	
8,454.60	91.76	0 03	4,850.06	3,667.03	1.92	0 00	0.00	0 00	0.00	

EOG RESOURCES INC.

Planning Report

Database:

EDM

EOG - Midland (3)

Thames

Project: Well:

Company:

Nile 22 State Com #2H Nile 22 State Com #2H Wellbore: Nile 22 State Com #2H Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Nile 22 State Com #2H

WELL @ 3783 00ft (Original Well Elev) WELL @ 3783.00ft (Original Well Elev)

Grid

Minimum Curvature

	inal Plan	211							
Planned Survey									
Measured Depth (ft)	inclination A	zimuth. (°)	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
100.00 200.00	0.00 0.00	0.00 0.00	100.00 200.00	0.00 0 00	0.00 0 00	0.00 0 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 00 800 00	0 00 0 00	0.00 0.00	700.00 800.00	0.00 0.00	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	0.00 0.00	0.00 0 00
1,000 00	0 00	0.00	1,000.00	0 00	0.00	0.00			
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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 1,700.00	0 00 0 00	0 00 0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0 00
1,800.00	0 00	0.00	1,700.00 1,800.00	0 00 0.00	0.00 0.00	0.00 0.00	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
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2,500.00 2,600 00	0.00 0.00	0 00 0.00	2,500.00 2,600.00	0.00 0.00	0 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 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
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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 3,900.00	0.00 0.00	0.00 0.00	3,800.00 3,900.00	0 00 0.00	0.00 0.00	0.00 0.00	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
4,200.00	0.00	0 00	4,200.00	0.00	0 00	0.00	0.00	0.00	0.00
4,300 00 4,400 00	0.00	0 00	4,300.00	0 00	0.00	0.00	0.00	0.00	0.00
•	0 00	0 00	4,400.00	0.00	0 00	0.00	0.00	0.00	0.00
4,500.00 4,568 00	0 00 0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
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4,700.00	19 80	0.03	4,599.90	22.58	0.00	22.58	15.00 15.00	15 00 15.00	0.00 0.00
4,800.00	34.80	0.03	4,786.00	68.31	0.04	68.31	15.00	15.00	0.00
4,900.00	49.80	0.03	4,859.75	135 42	0.07	135.42	15 00	15 00	0.00
5,000.00	64.80	0.03	4,913 63	219 32	0.11	219.32	15 00	15 00	0.00
5,100.00 5.168.04	79.79	0.03	4,943.96	314.32	0 16	314.32	15 00	15.00	0.00
5,168.04	90.00	0 03	4,950.00	382.00	0.20	382.00	15 00	15 00	0.00

EOG RESOURCES INC.

Planning Report

Database: Company: Project: Site:

Well:

EDM

EOG - Midland (3)

Thames

Nile 22 State Com #2H Nile 22 State Com #2H

Nile 22 State Com #2H Wellbore: Original Plan Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method:

Well Nile 22 State Com #2H

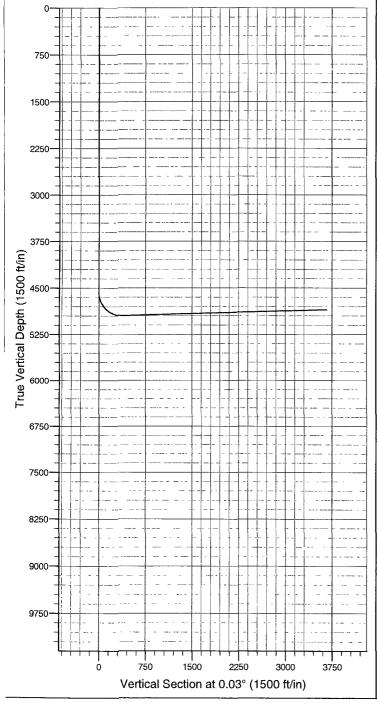
WELL @ 3783.00ft (Original Well Elev) WELL @ 3783 00ft (Original Well Elev)

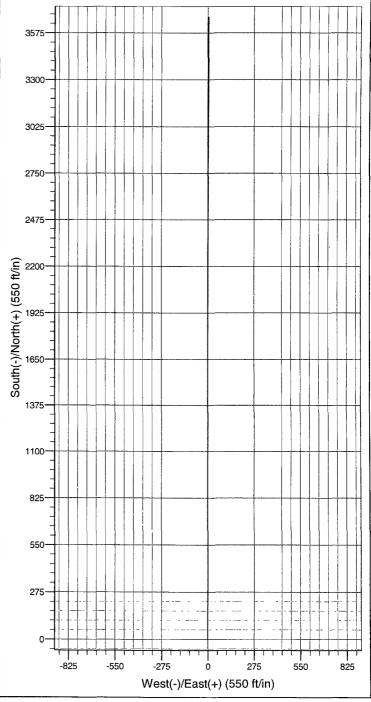
Minimum Curvature

Measured		, r _e r _e politica de la compansa							the state of the s	
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Depth Inclination Azimuth Depth Chi						A STATE OF S				
Fig.				Secretary and the second secon			a way to the time to the		· · · · · · · · · · · · · · · · · · ·	The state of what the
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6,900 00 91.76 0.03 4,897.81 2,113.16 1.11 2,113.16 0.00 0.00 0.00 7,000.00 91.76 0.03 4,894.74 2,213.11 1.16 2,213.11 0.00 0.00 0.00 0.00 7,100.00 91.76 0.03 4,891.66 2,313.06 1.21 2,313.06 0.00 0.00 0.00 7,200.00 91.76 0.03 4,885.59 2,413.02 1.26 2,413.02 0.00 0.00 0.00 7,300.00 91.76 0.03 4,885.52 2,512.97 1.32 2,512.97 0.00 0.00 0.00 7,400.00 91.76 0.03 4,882.45 2,612.92 1.37 2,612.92 0.00 0.00 0.00 7,500.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 7,700.00 91.76 0.03 4,873.24 2,912.78 1.53 2,912.78 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,100.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,100.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 0.00 8,200.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 0.00 8,300.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 8,400.00 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13	6,700.00	91.76	0.03	4,903 95	1,913.25	1.00	1,913.25	0 00	0.00	0.00
7,000.00 91.76 0.03 4,894.74 2,213.11 1.16 2,213.11 0.00 0.00 0.00 0.00 7,100.00 91.76 0.03 4,891.66 2,313.06 1.21 2,313.06 0.00 0.00 0.00 0.00 7,200.00 91.76 0.03 4,885.59 2,413.02 1.26 2,413.02 0.00 0.00 0.00 0.00 7,300.00 91.76 0.03 4,885.52 2,512.97 1.32 2,512.97 0.00 0.00 0.00 0.00 7,400.00 91.76 0.03 4,882.45 2,612.92 1.37 2,612.92 0.00 0.00 0.00 0.00 7,500.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 7,700.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 7,800.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 7,900.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.85 3,512.50 1.73 3,312.59 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,854.81 3,512.50 1.79 3,412.55 0.00 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,452.46 91.76 0.03 4,854.81 3,512.50 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.0	6,800.00	91.76	0.03	4,900.88	2,013.21	1.05	2,013.21	0.00	0.00	0 00
7,100.00 91.76 0.03 4,891.66 2,313.06 1.21 2,313.06 0.00 0.00 0.00 0.00 7,200.00 91.76 0.03 4,888.59 2,413.02 1.26 2,413.02 0.00 0.00 0.00 0.00 7,300.00 91.76 0.03 4,885.52 2,512.97 1.32 2,512.97 0.00 0.00 0.00 7,400.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,800.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 7,900.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,860.95 3,312.59 1.73 3,312.59 0.00 0.00 0.00 0.00 8,200.00 91.76 0.03 4,851.84 3,512.50 1.79 3,412.55 0.00 0.00 0.00 8,200.00 91.76 0.03 4,851.84 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,452.46 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00	6,900 00	91.76	0.03	4,897.81	2,113.16	1.11	2,113 16	0.00	0.00	0.00
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7,300.00 91.76 0.03 4,885.52 2,512.97 1.32 2,512.97 0.00 0.00 0.00 7,400.00 91.76 0.03 4,882.45 2,612.92 1.37 2,612.92 0.00 0.00 0.00 7,500.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,700.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,800.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,100.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,200.00 91.76 0.03 4,864.05 3,312.59 1.73 3,312.59 0.00 0.00 0.00 8,200.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 8,300.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.55 0.00 0.00 0.00 8,400.00 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00	7,100.00	91.76	0.03	4,891 66	2,313 06	1 21	2,313.06	0.00	0.00	0.00
7,300.00 91.76 0.03 4,885.52 2,512.97 1.32 2,512.97 0.00 0.00 0.00 7,400.00 91.76 0.03 4,882.45 2,612.92 1.37 2,612.92 0.00 0.00 0.00 7,500.00 91.76 0.03 4,879.38 2,712.88 1.42 2,712.88 0.00 0.00 0.00 7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,700.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 0.00 7,800.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,100.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 0.00 8,200.00 91.76 0.03 4,864.05 3,312.59 1.73 3,312.59 0.00 0.00 0.00 8,200.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 8,300.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.55 0.00 0.00 0.00 8,400.00 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00	7,200.00	91 76	0.03	4,888.59	2,413 02	1 26	2,413.02	0.00	0.00	0.00
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7,600.00 91.76 0.03 4,876.31 2,812.83 1.47 2,812.83 0.00 0.00 0.00 7,700.00 91.76 0.03 4,873.24 2,912.78 1.53 2,912.78 0.00 0.00 0.00 7,800.00 91.76 0.03 4,870.16 3,012.73 1.58 3,012.73 0.00 0.00 0.00 7,900.00 91.76 0.03 4,867.09 3,112.69 1.63 3,112.69 0.00 0.00 0.00 8,000.00 91.76 0.03 4,864.02 3,212.64 1.68 3,212.64 0.00 0.00 0.00 8,100.00 91.76 0.03 4,860.95 3,312.59 1.73 3,312.59 0.00 0.00 0.00 8,200.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 8,300.00 91.76 0.03 4,857.88 3,412.55 1.79 3,412.55 0.00 0.00 0.00 8,300.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,854.81 3,512.50 1.84 3,512.50 0.00 0.00 0.00 8,400.00 91.76 0.03 4,851.74 3,612.45 1.89 3,612.45 0.00 0.00 0.00 8,452.46 91.76 0.03 4,850.13 3,664.88 1.92 3,664.88 0.00 0.00 0.00 0.00 BHL(Nile#2H)	7,400.00	91.76	0.03	4,882.45	2,612.92	1.37	2,612.92	0.00	0 00	0.00
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			0 03	4,850.13	3,664.88	1.92	3,664.88	0.00	0 00	0.00
8,454.60 91 76 0.03 4,850.06 3,667.03 1.92 3,667.03 0.00 0.00 0.00	BHL(Nile#2		* * * * * * * * * * * * * * * * * * * *	4 = 9 = 1 / 2 - 79		100		" vertical"	or a set	a
	8,454.60	91 76	0.03	4,850.06	3,667.03	1.92	3,667.03	0.00	0.00	0.00

Targets Target Name hit/miss target D Shape	ان Angle Di (۱)	D +N/-S) (ft)			Latitude	Longitude	
BHL(Nile#2H) - plan misses by 68 Point	0.00 91ft at 8452.4	9.00 3,667 9.13 TVD, 366	664,432.00	423,533 00	32° 49' 34.907 I	N 104° 34' 56.148	w

. '	•				Ground	Level: 37	65.00				
•	+N/-S 0.00	+E/-W 0.00		orthing 765.00		sting 31.00 32° 4	Latittud 8' 58.620		Longitude 56.070 V		Slot
					SEC	TION DETA	ILS				
	Sed	: MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFacear	d é Sec	
	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
	2	4568.00	0.00	0.00	4568.00	0.00	0.00	0.00	0.00	0.00	
	3	3 5168.04	90.00	0.03	4950.00	382.00	0.20	15.00	0.03	382.00	
	4	5233.16	91.76	0.03	4949.00	447.10	0.23	2.70	0.00	447.10	
		8454.60	91.76	0.03	4850.06	3667.03	1.92	0.00	0.00	3667.03	





EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium

0-200

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

San Andres	665'
Glorieta	2,035'
Tubb	3,326'
Abo Shale	4,015'
Wolfcamp Pay	5,065'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quanterary Alluvium	0- 200'	Fresh Water
San Andres	665'	Oil
Glorieta	2,035'	Oil/Gas
Tubb	3,326'	Oil/Gas
Abo/Wolfcamp Pay	5,065	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 8.625" casing at 900' and circulating cement back to surface.

4. CASING PROGRAM

Hole Size	<u>Interval</u>	OD Casing	Weight	Grade Jt. C	onn. Type	
12.250"	0-900' _	8.625"	32#	J-55	LT&C	
7.875"	0-8,55	5.5"	17#	N-80	LT&C	
	6-8, 45	55 /				

Cementing Program:

8.625" Surface Casing: Cement to surface, Lead: 150 sx Prem Plus, 3%

> Econolite + 1/4 pps Flocele, 2% Calcium Chloride, Tail:175 sx Prem Plus + 2% Calcium Chloride + 1/4

pps Flocele

Cement to surface: 450sx: 1st Stage: Premium 5.50" Production:

Cement, 100% Acid Soluble Additive, + 0.6% Halad®-344 + 0.8% Econolite+ 0.2% HR-55

2nd Stage Lead: 640 sx Interfill C + ½ pps Flocele ECP/DV Tool @ 4374'

100 sx: 2nd Stage Tail: Premium Plus

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. for a 3M system.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

		Wt	Viso	cositWaterlos	SS
<u>Depth</u>	<u>Type</u>	<u>(PPG)</u>	<u>(sec)</u>	(cc)	
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'-5,400'	Cut Brine	8.8-9.2	28-34	10-15	
4,568'-8,455'	Polymer (Lateral)	9.0-9.4	40-45	10-20	

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

8. LOGGING, TESTING AND CORING PROGRAM:

Electric logging will consist of GR-Dual Laterlog and GR-Compensated Density-Neutron from +/-900' to TVD.

Possible sidewall cores based on shows.

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

Form C-101 State of New Mexico District II Permit 17260 1301 W. Grand Ave., Artesia, NM 88210 Energy, Minerals and Natural Phone:(505) 748-1283 Fax:(505) 748-Resources 9720 Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE 1. Operator Name and Address 2. OGRID Number EOG RESOURCES INC 7377 PO Box 2267 3. API Number Midland, TX 79702 30-015-34422 4. Property Code 5. Property Name 6. Well No. 34244 **NILE 22 STATE COM** 002H 7. Surface Location UL-Section Township Range Lot Feet N/S Feet E/W County Idn From Line Lot From Line 22 17S 24E **EDDY** M 960 760 W M 8. Pool Information COLLINS RANCH; WOLFCAMP (GAS) 75010 **Additional Well Information** 9. Work Type 10. Well Type 11. Cable/Rotary 12. Lease 13. Ground Level Elevation Type New Well **GAS** State 3765 14. 15. Proposed Depth 16. Formation 17. Contractor 18. Spud Date Multiple 5400 Wolfcamp 11/15/2005 N Depth to Ground water Distance from nearest fresh water well Distance to nearest surface water 100 > 1000300 Liner: mils Volume: 7000 bblsDrilling Method: Pit: Synthetic □ 12 Clay□ thick Fresh Water
Brine Diesel/Oil-Closed Loop System □ based □ Gas/Air □ 19. Proposed Casing and Cement Program

 Type Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |

 Surf | 12.25 | 8.625 | 32 | 900 | 325 | 0

 Prod | 7.875 | 4.5 | 11.6 | 8455 | 900 | 0

Casing/Cement Program: Additional Comments			

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .			
Printed Name: Electronically filed by Mike Francis	Title: Geologist		
Title: ROW Agent	Approved Date: 11/11/2005	Expiration Date: 11/11/2006	
Email Address: mike_francis@eogresources.com			
Date: 10/21/2005 Phone: 4326863714	Conditions of Approval Attached		

Permit Information:

Well Name: Nile 22 State Com #2H

Location:

SL 960' FSL & 760' FWL, Section 22, T-17-S, R-24-E, Eddy Co., N.M.

BHL 660' FNL & 760' FWL, Section 22, T-17-S, R-24-E, Eddy Co., N.M.

Casing Program:

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	8,455'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No.	Slurries:
	Sacks	
900'	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + ½ pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + ¼ pps Flocele
8,455'	450	1 st Stage: Premium Cement + 100% Acid Soluble Additive + 0.6%
		Halad®-344 + 0.8% Econolite + 0.2% HR-55
ECP/ DV	640	2 nd Stage Lead: Interfill C + ¼ pps Flocele
Tool at		
4374'		
	100	2 nd Stage Tail: Premium Plus

Mud Program:

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' – 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,568' - 8,455'	Polymer (Lateral)	9.0-9.4	40-45	10-20

600'

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

ATTACHMENT TO EXHIBIT #1

- 1. Wear ring to be properly installed in head.
- 2. Blow out preventer and all fittings must be in good condition, 3000 psi W.P. minimum. Exhibit #1.
- 3. All fittings to be flanged
- 4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi W.P. minimum.
- 5. All choke and fill lines to be securely anchored especially ends of choke lines.
- 6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- 7. Kelly cock on kelly.
- 8. Extension wrenches and hand wheels to be properly installed.
- 9. Blow out preventer control to be located as close to driller's position as feasible.
- 10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

Nile 22 State Com 2H

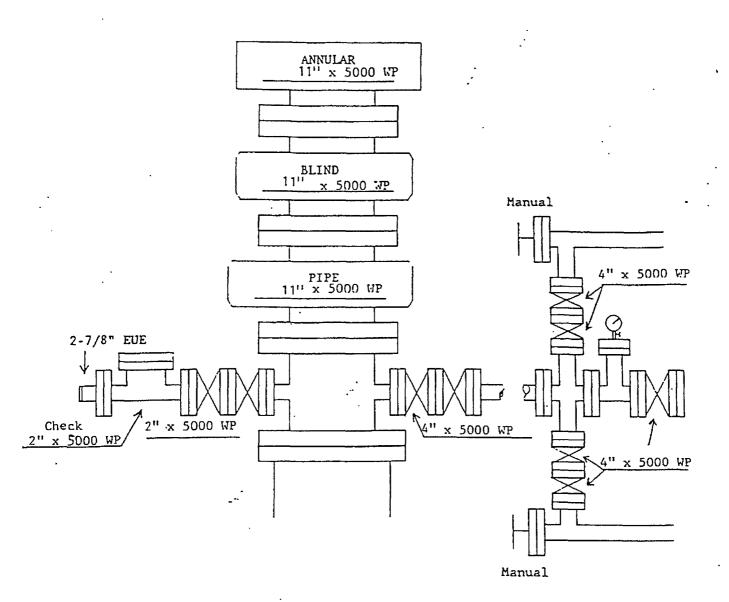


Exhibit 1



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

July 17, 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 H_2S Contingency Plan for the Nile 22 State Com #2H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H_2S bearing formations during drilling operations.

Sincerely,

Jason LaGrega Drilling Engineer

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

SURFACE USE AND OPERATIONS PLAN Surface is owned by State of New Mexico

<u>Directions to Well Site</u>: From the Intersection of U.S. Hwy 82 & U.S. Hwy 285, Go west on Hwy 82 for 10.0 miles; Thence south on lease road for 1.9 miles; thence west 0.1 miles to location.

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit #2

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

2. PROPOSED ACCESS ROAD:

See Exhibit 2a.

No turnouts necessary.

No culverts are necessary. No low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

3. LOCATION OF EXISTING WELLS:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, a flowline will be built to the nearest pipeline.

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water and brine water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit 2 & 2a and by temporary water supply lines.

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

6. PLANS FOR RESTORATION OF THE SURFACE:

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

ANCILLARY FACILITIES:

No airstrip, campsite, or other facilities will be built.

WELL SITE LAYOUT:

Exhibit #4 shows the relative location and dimensions of the well pad.

OTHER INFORMATION:

The area around the well site is grassland and the topsoil is sandy with rock. The vegetation is native scrub grass.

EOG RESOURCES, INC. Nile State 22 Com 2H Eddy Co. NM

COMPANY REPRESENTATIVES:

Permitting & Land

Mr. Donny G. Glanton Senior Lease Operations ROW Representative EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702 (432) 686-3642 Office

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Operations

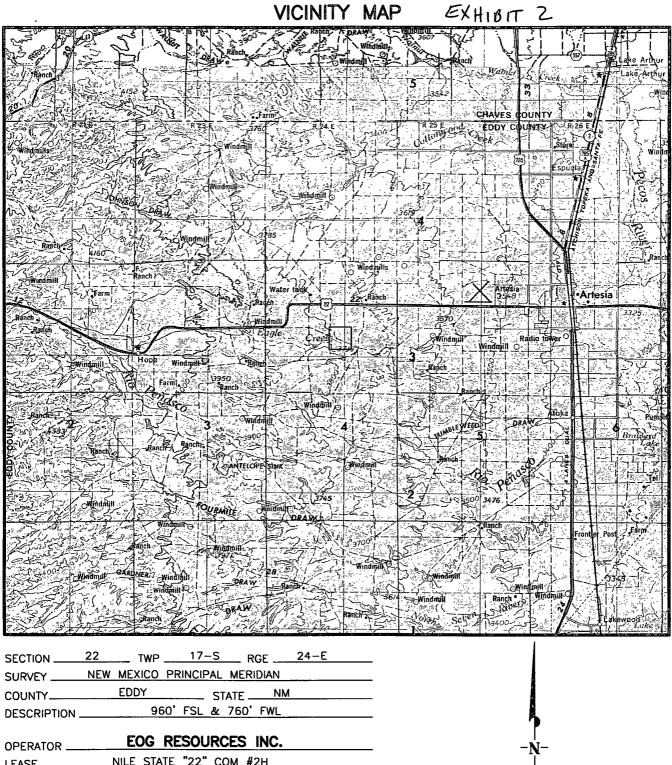
Mr. Jason LaGrega	Mr. Howard Kemp
Division Drilling Engineer	Production Manager
EOG Resources, Inc.	EOG Resources, Inc
P.O. Box 2267	P.O. Box 2267
Midland, TX 79702	Midland, TX 79702
(432) 686-3633 Office	(432) 686-3704 Office

CERTIFICATION:

I HEREBY CERTIFY that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Jason Lagrega

Division Drilling Engineer



NILE STATE "22" COM #2H LEASE _

DISTANCE & DIRECTION FROM INT. OF HWY. 82 & HWY. 285 GO WEST ON HWY. 82 10.0 MILES, THENCE SOUTH ON LEASE ROAD 1.9 MILES, THENCE WEST 0.1 MILES TO A POINT ±1200 EAST OF THE LOCATION.

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

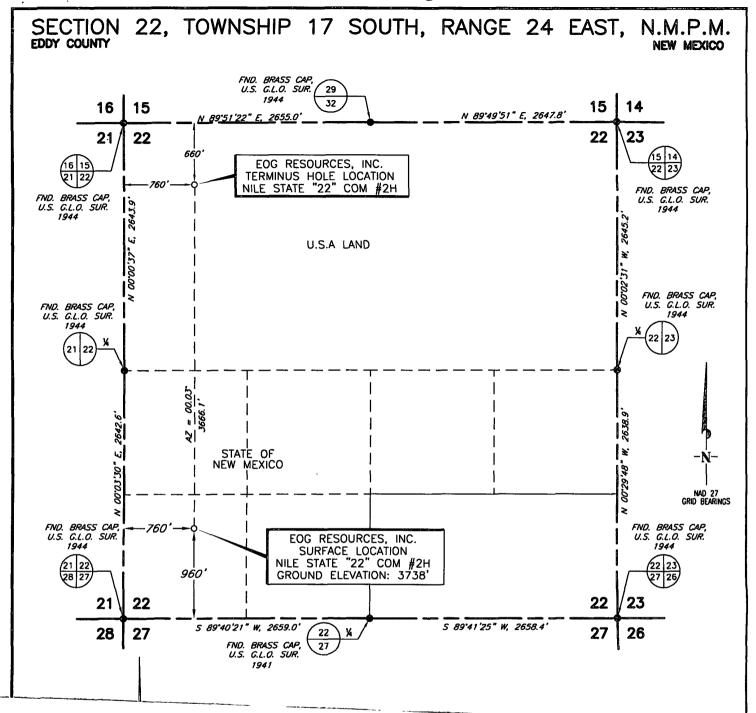
Topographic Land Surveyors

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART PAMPA, TX. 79065 (800) 658-6382

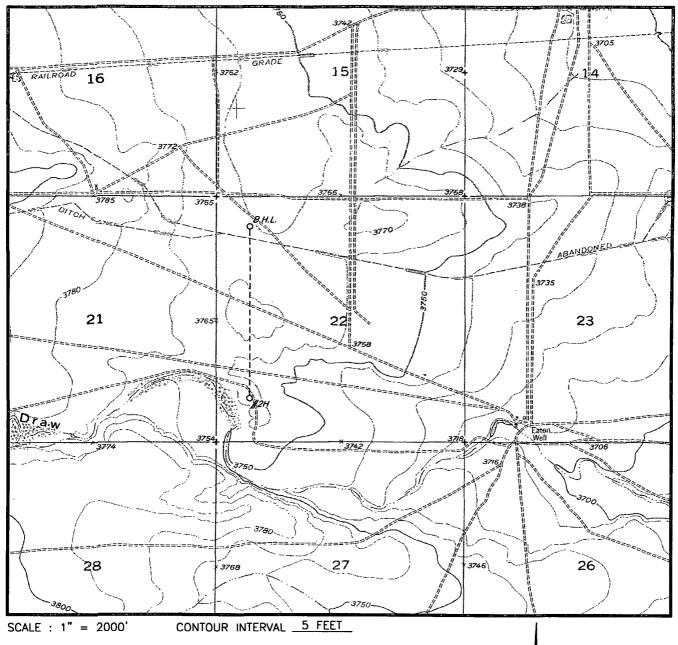
6709 N. CLASSEN BLVD. OKLAHOMA CITY, OK. 73116 (800) 654-3219

2903 N. BIG SPRING MIDLAND, TX. 79705 (800) 767-1653



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6	. 5	4 *	Exhibit	2	1	6
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6 Nile	EOG 22 State Com 2H	4.	3	2	ф ф 1 2	6 _{4,337} ★ FEET

LOCATION & ELEVATION VERIFICATION MAP



SECTION _____ 22 ____ TWP ____ 17-S __ RGE ____ NEW MEXICO PRINCIPAL MERIDIAN SURVEY ___ EDDY ___ STATE __ COUNTY... DESCRIPTION ______960' FSL & 760' FWL 3765 ELEVATION ____

EOG RESOURCES INC. OPERATOR __ NILE STATE "22" COM #2H LEASE _____

U.S.G.S. TOPOGRAPHIC MAP

HOPE SE, NEW MEXICO LAT.: N 32.8162846 LAT. ____ LONG. LONG.: W 104.5822420

Topographic land surveyors

Surveying & Mapping for the Oil & Gas Industry

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

1307 N. HOBART 6709 N. CLASSEN BLVD.
PAMPA, TX. 79065 OKLAHOMA CITY, OK. 73116
(800) 658-6382 (800) 654-3219

2903 N. BIG SPRING MIDLAND, TX. 79705 (800) 767-1653

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: EOG RESOURCES INC
LEASE NO.: NM108958
WELL NAME & NO.: 2H-NILE STATE 22 COM
SURFACE HOLE FOOTAGE: 960' FSL & 760' FWL
BOTTOM HOLE FOOTAGE 660' FNL & 760' FWL
LOCATION: Section 22, T. 17S., R 24E., NMPM

COUNTY: Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐ General Provisions
Permit Expiration
Archaeology, Paleontology, and Historical Sites
Noxious Weeds
Special Requirements
Aplomado Falcon
☐ Construction
Notification
Topsoil
Reserve Pit
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
☑ Drilling
☐ Production (Post Drilling)
Well Structures & Facilities
Pipelines
Electric Lines
Reserve Pit Closure/Interim Reclamation
Final Ahandonment/Reclamation

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Aplomado Falcon Stipulations: All **active** Raptor nests will be avoided by a minimum of 400 meters by all activities or curtail activities until fledging is complete.

All **inactive** raptor nests will be avoided by a minimum of 200 meters by all activities.

No yuccas over 5 feet in height will be damaged by vehicular use or any other activity associated with this project.

Reclamation will consist of disking, mulching and drilling seed with the following seed mixture, and application of water to encourage seed germination:

Buffalograss (Buchloe dactyloides) 4 lbs/acre
Blue grama (Bouteloua gracilis) 1 lb/acre
Cane bluestem (Bothriochloa barbinodis) 5 lbs/acre
Sideoats grama (Bouteloua curtipendula) 5 lbs/acre
Plains bristlegrass (Setaria macrostachya) 6 lbs/acre

A sign stating "This Pipeline Corridor is Closed to Vehicular Traffic Due to Reclamation Efforts in Progress" will be placed where the pipeline crosses any road (both sides of the road), and at the beginning and end of the pipeline route on BLM administered lands.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (505) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil to be stripped is approximately 6 inches in depth. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

The reserve pit shall be constructed and closed in accordance with the NMOCD rules.

The reserve pit shall be constructed 125' X 125' on the North side of the well pad.

The reserve pit shall be constructed, so that upon completion of drilling operations, the dried pit contents shall be buried a minimum depth of three feet below ground level. Should the pit content level not meet the three foot minimum depth requirement, the excess contents shall be removed until the required minimum depth of three feet below ground level has been met. The operator shall properly dispose of the excess contents at an authorized disposal site.

The reserve pit shall be constructed and maintained so that runoff water from outside the location is not allowed to enter the pit. The berms surrounding the entire perimeter of the pit shall extend a minimum of two (2) feet above ground level. At no time will standing fluids in the pit be allowed to rise above ground level.

The reserve pit shall be fenced on three (3) sides during drilling operations. The fourth side shall be fenced immediately upon rig release.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (505) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

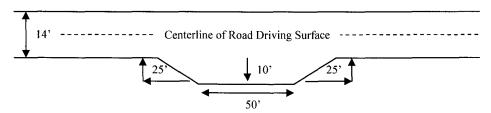
Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

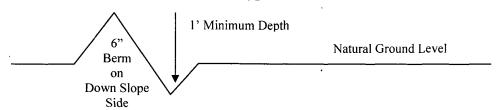


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: $\frac{400'}{4\%} + 100' = 200'$ lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

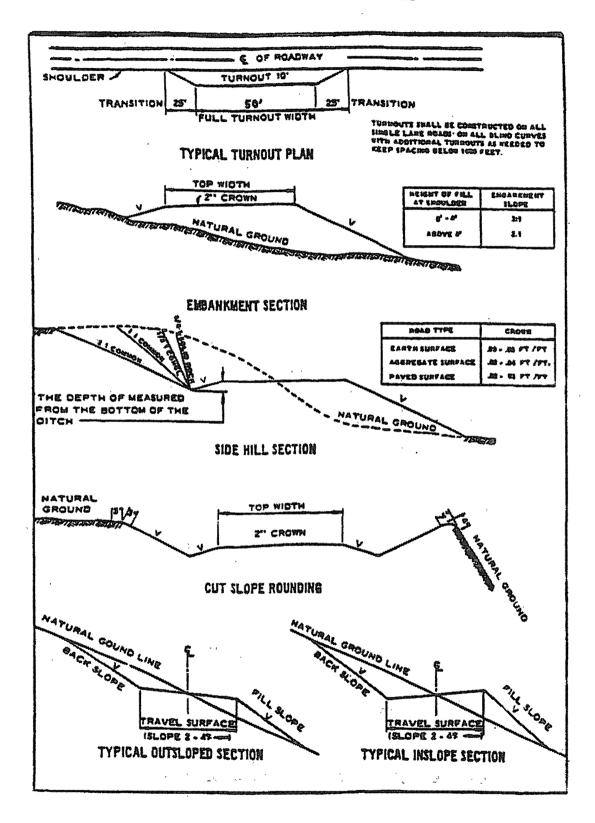
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 2 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822

- 1. Although Hydrogen Sulfide has not been reported in this section, it is always a potential hazard.
- 2. 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.
- 3. When 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.

B. CASING

- 1. The 8-5/8 inch surface casing shall be set within the San Andres Formation at approximately 900 feet and cemented to the surface.
 - a. 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.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement).

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial action will be done prior to drilling out that string.

Possible lost circulation in the Grayburg and San Andres formation. Possible high pressure gas bursts in the Wolfcamp.

- 2. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement to surface. If cement does not circulate see B.1.a-d above. Both stages to circulate. May need additional cement to circulate first stage. Operator to provide verification of cement circulating.
- 3. 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.

C. PRESSURE CONTROL

- 1. 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 Sec. 17.
- 2. The appropriate BLM office shall be notified a minimum of 2 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. 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.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. 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.
 - e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test

does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

D. 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 easing is run and cemented.

Engineer on call phone (after hours): Carlsbad: (505) 706-2779

WWI 100307

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

VRM Facility Requirement

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

At the time reserve pits are to be reclaimed, operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

B. RESERVE PIT CLOSURE

The reserve pit, when dried and closed, shall be recontoured, all trash removed, and reseeded as follows:

Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection bye the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	<u>lb/acre</u>
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0

^{*}Pounds of pure live seed:

Pounds of seed x percent purity x percent gemination = pounds pure live seed

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.