

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**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 EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702		2. OGRID Number 7377
		3. API Number 30-015-36166
4. Property Code 37011	5. Property Name PEMBINA A 33 STATE	6. Well No. 002H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	33	18S	23E	H	1830	N	360	E	EDDY

**8. Pool Information**

FOUR MILE DRAW; WOLFCAMP(G)	97415
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**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3937
14. Multiple N	15. Proposed Depth 5100	16. Formation Wolfcamp	17. Contractor	18. Spud Date
Depth to Ground water 350		Distance from nearest fresh water well > 1000		Distance to nearest surface water 600

Pit: Liner: Synthetic ☒ 12 \_\_\_\_\_ mils thick Clay ☐ Pit Volume: 10300 bbls Drilling Method:  
 Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-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	1200	745	0
Prod	7.875	5.5	17	8669	1375	0

**Casing/Cement Program: Additional Comments**

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**Proposed Blowout Prevention Program**

Type	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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Donny Glanton	Approved By: Tim Gum
Title: Sr. Lease Operations Rep	Title: District Supervisor
Email Address: donny_glanton@eogresources.com	Approved Date: 3/14/2008   Expiration Date: 3/14/2010
Date: 2/29/2008   Phone: 432-686-3642	Conditions of Approval Attached

# New Mexico Double Horseshoe Reserve Pit Design



Approximate Inside Reserve Volume: 4500 bbls  
Approximate Outside Reserve Volume: 5800 bbls

District II

1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
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**1220 S. St Francis Dr.**

**Santa Fe, NM 87505**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-36166	2. Pool Code 97415	3. Pool Name FOUR MILE DRAW; WOLFCAMP(G)
4. Property Code 37011	5. Property Name PEMBINA A 33 STATE	6. Well No. 002H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3937

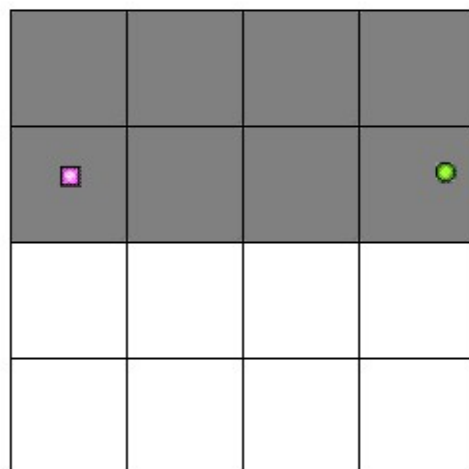
**10. Surface Location**

UL - Lot H	Section 33	Township 18S	Range 23E	Lot Idn	Feet From 1830	N/S Line N	Feet From 360	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot E	Section 33	Township 18S	Range 23E	Lot Idn E	Feet From 1880	N/S Line N	Feet From 660	E/W Line W	County EDDY
12. Dedicated Acres 320.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) 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.*

E-Signed By: Donny Glanton  
Title: Sr. Lease Operations Rep  
Date: 2/29/2008

**SURVEYOR CERTIFICATION**

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

Surveyed By: Terry Asel  
Date of Survey: 1/15/2008  
Certificate Number: 15079

## Permit Comments

Operator: EOG RESOURCES INC , 7377

Well: PEMBINA A 33 STATE #002H

API: 30-015-36166

Created By	Comment	Comment Date
dglanton	Plat, Detailed Casing, Mud, Cement, Drilling Plan and H2S letter will be forwarded via regular mail.	2/29/2008

# Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: PEMBINA A 33 STATE #002H

API: 30-015-36166

OCD Reviewer	Condition
kmwilson	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
kmwilson	Will require a directional survey with the C-104
kmwilson	Please notify OCD time of spud and time to witness the cementing and all casing strings.
kmwilson	Operator must use fresh water mud when drilling surface location.