

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 30-015-36191
4. Property Code 37049	5. Property Name SNAKE 31 STATE	6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	31	18S	23E	N	660	S	1880	W	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 4063
14. Multiple N	15. Proposed Depth 5200	16. Formation Wolfcamp	17. Contractor	18. Spud Date
Depth to Ground water 450		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 10300 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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	8179	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"/> . Printed Name: Electronically filed by Donny Glanton Title: Sr. Lease Operations Rep Email Address: donny_glanton@eogresources.com Date: 3/7/2008 Phone: 432-686-3642	OIL CONSERVATION DIVISION	
	Approved By: Tim Gum	
	Title: District Supervisor	
	Approved Date: 3/14/2008	Expiration Date: 3/14/2010
	Conditions of Approval Attached	

New Mexico Double Horseshoe Reserve Pit Design



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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

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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Santa Fe, NM 87505

Form C-102
 Permit 70858

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36191	2. Pool Code 97415	3. Pool Name FOUR MILE DRAW; WOLFCAMP(G)
4. Property Code 37049	5. Property Name SNAKE 31 STATE	6. Well No. 003H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 4063

10. Surface Location

UL - Lot N	Section 31	Township 18S	Range 23E	Lot Idn	Feet From 660	N/S Line S	Feet From 1880	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 31	Township 18S	Range 23E	Lot Idn C	Feet From 660	N/S Line N	Feet From 1880	E/W Line W	County EDDY
12. Dedicated Acres 304.16		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

	<p align="center">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>E-Signed By: Donny Glanton Title: Sr. Lease Operations Rep Date: 3/7/2008</p>		
	<p align="center">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Terry Asel Date of Survey: 7/14/2008 Certificate Number: 15079</p>		

Permit Comments

Operator: EOG RESOURCES INC , 7377

Well: SNAKE 31 STATE #003H

API: 30-015-36191

Created By	Comment	Comment Date
dglanton	Plat, Detailed Casing, Mud, Cement, Drilling Plan and H2S letter will be forwarded via regular mail.	3/7/2008

Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: SNAKE 31 STATE #003H

API: 30-015-36191

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	Must use fresh water mud when drilling surface location.