

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 PO Box 2267 Midland, TX 79702		2. OGRID Number 7377
		3. API Number 30-015-34466
4. Property Code 34779	5. Property Name MACKENZIE 13 FEE	6. Well No. 004H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	13	16S	24E	P	660	S	760	E	EDDY

8. Pool Information

COTTONWOOD CREEK;WC, WEST (GAS)	75260
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3577
14. Multiple N	15. Proposed Depth 5200	16. Formation Wolfcamp	17. Contractor	18. Spud Date
Depth to Ground water 100		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

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	9.875	7	26	900	500	0
Prod	6.125	4.5	11.6	8608	750	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"/> .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Mike Francis	Approved By: Bryan Arant	
Title: ROW Agent	Title: Geologist	
Email Address: mike_franis@eogresources.com	Approved Date: 12/14/2005 Expiration Date: 12/14/2006	
Date: 12/13/2005	Phone: 4326863714	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

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1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34466	2. Pool Code 75260	3. Pool Name COTTONWOOD CREEK,WC, WEST (GAS)
4. Property Code 34779	5. Property Name MACKENZIE 13 FEE	6. Well No. 004H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3577

10. Surface Location

UL - Lot P	Section 13	Township 16S	Range 24E	Lot Idn	Feet From 660	N/S Line S	Feet From 760	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 13	Township 16S	Range 24E	Lot Idn A	Feet From 660	N/S Line N	Feet From 760	E/W Line E	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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> E-Signed By: Mike Francis Title: ROW Agent Date: 12/13/2005
	SURVEYOR CERTIFICATION <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> Surveyed By: VL Bezner Date of Survey: 11/8/2005 Certificate Number: 7920

Permit Comments

Operator: EOG RESOURCES INC , 7377

Well: MACKENZIE 13 FEE #004H

API: 30-015-34466

Created By	Comment	Comment Date
MFRANCIS	Detailed Casing,Cement, Mud Program, Planning Report, H2S Letter and plat being sent today	12/13/2005

Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: MACKENZIE 13 FEE #004H

API: 30-015-34466

OCD Reviewer	Condition
BArrant	Will require a directional survey with the C-104
BArrant	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
BArrant	Please notify operator time of spud and time to witness the cementing to surface the water protection string of casing.
BArrant	Please note that an administrative approval from Santa Fe is required (SD). Another well location by same operator (API # 30-015-34356) is in same E/2 proration unit of section 13.