

**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 EDGE PETROLEUM OPERATING COMPANY, INC. 1301 Travis Houston, TX 77002		2. OGRID Number 224400
		3. API Number 30-015-34382
4. Property Code 34453	5. Property Name RED LAKE 28 N STATE	6. Well No. 003

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	28	17S	28E	N	330	S	1650	W	EDDY

**8. Pool Information**

ARTESIA; GLORIETA-YESO (O)	96830
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3681
14. Multiple N	15. Proposed Depth 3800	16. Formation Yeso Formation	17. Contractor	18. Spud Date 10/15/2005
Depth to Ground water 140		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: 20000 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	24	400	348	0
Prod	7.875	5.5	15.5	3800	518	0

**Casing/Cement Program: Additional Comments**

Edge Petroleum Operating Co. proposes to drill a 3,800 Yeso 40 acre development oil well. The well will be drilled through the Queen, Grayburg, Premier, San Andres and Yeso. 12-1/4 surface casing will be set and cement circulated at 400. 5-1/2 production casing will be set and cemented at 3,760. The mud program consist of: 0-400 Bentonite and Lime slurry using Fresh Water; Mud Wt. 8.4-9.4; Viscosity 32-34; Filtrate N/C and 550-3800 Cut Brine, Mud Wt. 9.0-9.4, Viscosity 28, Filtrate N/C. The well will be perforated in the Yeso and stimulated as needed for production. Well to produce on rod pump.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	Regan

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 NMOC 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 Jim Keisling	Approved By: Bryan Arant	
Title: Vice President, Production	Title: Geologist	
Email Address: jkeisling@edgepet.com	Approved Date: 10/11/2005	Expiration Date: 10/11/2006
Date: 10/7/2005	Phone: 713-427-8883	

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

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Form C-102  
Permit 16591

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34382	2. Pool Code 96830	3. Pool Name ARTESIA; GLORIETA-YESO (O)
4. Property Code 34453	5. Property Name RED LAKE 28 N STATE	6. Well No. 003
7. OGRID No. 224400	8. Operator Name EDGE PETROLEUM OPERATING COMPANY, INC.	9. Elevation 3681




10. Surface Location

UL - Lot N	Section 28	Township 17S	Range 28E	Lot Idn N	Feet From 330	N/S Line S	Feet From 1650	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	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

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## Permit Comments

**Operator:** EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

**Well:** RED LAKE 28 N STATE #003

**API:** 30-015-34382

Created By	Comment	Comment Date
JKEISLING	Sources at Edge Petroleum Operating Co. advised me that they do not anticipate enough H2S from the surface to TD to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118, however H2S monitoring equipment will be on location from below surface casing to TD.	10/7/2005

# Permit Conditions of Approval

Operator: EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

Well: RED LAKE 28 N STATE #003

API: 30-015-34382

OCD Reviewer	Condition
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