

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, SUITE 2000 HOUSTON , TX 77002		2. OGRID Number 224400
		3. API Number 30-025-38877
4. Property Code 35306	5. Property Name SOUTH LOVINGTON 25	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	25	16S	36E	E	1977	N	330	W	LEA

8. Pool Information

Wildcat Devonian	0
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3848
14. Multiple N	15. Proposed Depth 13000	16. Formation Devonian	17. Contractor	18. Spud Date 6/9/2008
Depth to Ground water 52		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 _____ mils thick Clay ☐ Pit Volume: 28000 _____ 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	17.5	13.375	48	455	506	0
Int1	12.25	9.625	40	4400	984	0
Prod	8.5	5.5	20	13000	2310	4300

Casing/Cement Program: Additional Comments

13 3/8" 48# J-55 STC casing, set depth @ 455'. Mud wt. 8.4-9.4, vis. 32-34, F/L-N/C, pH 9.0. Cemented w/ 506 sks "C" + 0.25 pps D029 + 1.0% S001, Wt.- 14.80, Yield- 1.32. 9 5/8" 40# J-55 LTC casing, set depth @ 4400'. Mud wt. from 455'-1850' 8.4-9.4, vis. 32-34, F/L-N/C, Oil% 3-5, from 1850'-4400' 9.4-10.5, vis. 32-34, F/L-N/C, oil% 3-5. Cemented lead w/ 720 50/50 POZ "C" + 5.0% D044 (bwob) + 10% D020(bwob) + 0.2% D046(bwob) + 0.5% D112(bwob). Wt.- 11.90, Yield- 2.49. Cement tail w/ 203 sks "C" + 0.3% D013(bwob). Wt.- 14.80, Yield- 1.33 5 1/2" 20# P-110 LTC casing, set depth @ 13000'. Mud wt. from 4400'-9800' 8.4-9.5, vis. 28, F/L-N/C, pH 10.0, from 9800'-13000' 9.3-9.8, vis. 34-42, F/L-10cc-6cc, pH 10.0. Stage 1 cemented w/ 1192 sks 50/50 POZ "H" cement + 2.0% D020(bwob) + 0.4% D167(bwob) + 0.2% D046(bwob) + 0.1% D800(bwob). Wt.- 14.40, Yield- 1.27. DV tool will be @ 8450'. Stage 2 cemented w/ 1118 sks 50/50 POZ "H" cement + 2.0% D020(bwob) + 0.4% D167(bwob) + 0.1% D800(bwob) + 0.2%

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	3000	3000	weatherford
Hydril	5000	5000	weatherford

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 ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Printed Name: Electronically filed by Debra J Gordon Title: Regulatory Email Address: dgordon@edgepet.com Date: 4/29/2008 Phone: 713-427-8842	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 5/1/2008	Expiration Date: 5/1/2010
	Conditions of Approval Attached	

DISTRICT I

1825 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Revised JUNE 10, 2003
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name <i>Wildcat Devonian</i>
Property Code <i>35304</i>	Property Name SOUTH LOVINGTON 25		Well Number 1
OGRID No. <i>224400</i>	Operator Name EDGE PETROLEUM OPERATING COMPANY, INC.		Elevation 3848'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	16-S	36-E		1977	NORTH	330	WEST	LEA

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
<i>40</i>			

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 the the information contained herein is true and complete to the best of my knowledge and belief. <i>Angela Lightner</i> Signature <i>Angela Lightner</i> Printed Name <i>Consultant</i> Title <i>4-10-08</i> Date
	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. FEBRUARY 11, 2006 Date Surveyed LA REV: 3/21/06 Signature & Seal of Professional Surveyor <i>Gary B. Edson</i> 3/22/06 06.11.0306 Certificate No. GARY EDSON 12641

Permit Comments

Operator: EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

Well: SOUTH LOVINGTON 25 #001

API: 30-025-38877

Created By	Comment	Comment Date
dhurd	Edge Petroleum previously had a permit for this well. The permit expired 2-28-2008. Edge is now ready to re-permit and drill this well.	4/10/2008
dhurd	We do not anticipate any H2S at this location. As a precaution Edge will have H2S monitoring on location from surface to TD.	4/10/2008

Permit Conditions of Approval

Operator: EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

Well: SOUTH LOVINGTON 25 #001

API: 30-025-38877

OCD Reviewer	Condition
pkautz	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