

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Edge Petroleum Operating Company, Inc.**

3a. Address  
**1301 Travis Suite 2000 Houston, TX 77002**

3b. Phone No. (include area code)  
**713-355-9808**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**990  
660' FNL & 1650' FWL  
Sec. 34, T-19S, R-32E**

**Unit c**

5. Lease Serial No.

**NM NM 01135**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or No.

**N/A**

8. Well Name and No.

**Southeast Lusk 34 Federal #5**

9. API Well No.

**30-025-37680**

10. Field and Pool, or Exploratory Area

**Lusk, Delaware East**

11. County or Parish, State

**Lea Co. NM**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other <b>Belco recompletion</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**6-5-2008 Edge Petroleum Operating Company, Inc. plan to set a RTBP @ 4785', recomplete and test the Belco. Recompletion will begin 6-16-2008. Attached is the recompletion procedure. The Belco and Cherry Canyon will be commingled. Both are Delaware formations and not required by the state to have a commingling permit.**

**RECEIVED**

**JUN 27 2008  
HOBBS OCD**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Angela Lightner angela@rkford.com**

Title **Consultant 432-682-0440 office**

Signature

*Angela Lightner*

Date

**06/12/2008**

**APPROVED**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*Chris Williams*  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

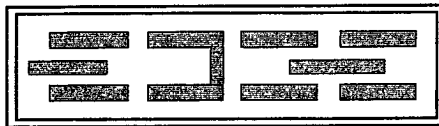
**JUN 12 2008**

**WESLEY W. INGRAM  
PETROLEUM ENGINEER**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

*Completed by 6-12-08*



**SE Lusk 34 Fed #5  
Belco Recompletion Procedure  
South Lusk Field  
Lea County, New Mexico  
June 5, 2008**

**General Information**

**API No.** 30-025-37680  
**AFE Number:** 28RC019  
**Gross AFE Amt:** \$206,535  
**WI / NRI:** 50%/37.5%  
**Partners:** 32.455% Pure Energy Group  
17.545% Chisos LTD

**Surface Location:** 990' FNL & 1650' FWL  
Section 34, Township 19-S, Range 32-E  
LEA COUNTY, NEW MEXICO  
X: 677,528.6 E  
Y: 590,211.3 N

**DIRECTIONS:** **From Hobbs, NM**  
From intersection of West County Rd & US 62/180 Hobbs, travel west on US 62/180 for 35 miles. Turn right (north) on NM 243, travel 4.5 miles. Turn right (north again) on Maljamar Road (aka CR 126A), travel 3.8 miles to lease road on right, just before CR 126A makes slight turn to left. Turn right (east) on lease road, travel 1.0 mile, veer right, stay on main road another 1.4 miles to location on left.

**EDGE REP WILL FAX/EMAIL THE FOLLOWING REPORTS TO:**

[rprice@edgepet.com](mailto:rprice@edgepet.com)  
[tpowell@edgepet.com](mailto:tpowell@edgepet.com)  
[iserrano@edgepet.com](mailto:iserrano@edgepet.com)  
[dhurd@edgepet.com](mailto:dhurd@edgepet.com)  
[kprimeaux@edgepet.com](mailto:kprimeaux@edgepet.com)  
[dpittman@edgepet.com](mailto:dpittman@edgepet.com)  
[edge.reports@edgepet.com](mailto:edge.reports@edgepet.com)  
[irisley@puregp.com](mailto:irisley@puregp.com)  
[sueanncraddock@zianet.com](mailto:sueanncraddock@zianet.com)  
[angela@rkford.com](mailto:angela@rkford.com)

1. Daily Workover and Completion Report – daily
2. Daily Cost Record - daily
3. Complete Well Equipment Inventory – end of job

**Reports are to be faxed/emailed to the office daily before 7:00 AM** and then followed by a phone call to the office no later than 8:00 AM. Office will also be called by 4:00 PM each day. Weekend calling schedule will be assigned on Fridays.

**EDGE PETROLEUM OFFICE:** 713-650-8960 **FAX:** 713-650-6493

**Well Status:**

- 8/5/07: Spudded well and drilled to 5,074'. Ran open hole logs, side-wall cores, and 5-1/2" casing (8/31/07). Perforated and frac'd Cherry Canyon at intervals shown below (9/6/07). Ran 2-7/8" production tubing to 5,021' (9/18/07). Ran pump and rods (9/19/07) and produced to sales.
- 11/28/07: Pump stuck, pull rods & tubing to clean out fill.
- 2/18/08: Pull rods, check for fill (no fill, tagged @5,064'). Re-run rods & tubing.
- 6/1/08: Rod part/pump failure, decided to start Belco recompletion.

**Objective:**

Perforate and frac Belco interval 4618'-4669'. Commingle Belco and Cherry Canyon.

**Elevations:**

GL-MSL: 3,561'  
RKB-MSL: 3,576'  
RKB-GL: 15'  
**Deviation: Vertical**

**Completion Fluid:**

Current: Formation fluid

**Reservoir Data: Cherry Canyon (Current Interval)**

MASP: 1,950 psi (full gas column)  
Well Test: 20 BOPD, 23 MCFD, 88 BWPD (5/24/08)  
Reservoir: Cherry Canyon  
4904' - 4914'  
4837' - 4847'  
BHP: 2223 psi (Used 8.7 ppg gradient)  
BHT: 119° F (est temp from logs)

**Reservoir Data: Proposed (Belco)**

MASP: 1,850 psi (full gas column)  
Reservoir: Belco  
4618'-38', 4662'-69'  
BHP: 2112 psi (Used 8.7 ppg gradient)  
BHT: 116° F (est temp from logs)

**Tubing Restrictions:**

- 1) 5-1/2" casing ID (4.767" DD) once the rods, pump, and 2-7/8" tubing are removed prior to re-completion.

**Casing Data:**

String	Description	Depth (MD/TVD)	Burst (psi)	Collapse (psi)
Conductor	20"	40'		
Surface	13-3/8", 68#, J-55, BTC	890'	3,450	1,950
Intermediate	10-3/4", 45.5#, J-55, BTC	3,092'	3,580	2,090
Intermediate II	7-5/8", 26.4#, HCP-110, LTC	4,282'	8,280	3,920
Prod. Casing	5-1/2", 17# L-80, Ultra-FJ	5,074'	7,740	6,290

**Current Production Tubing & Work String Data:**

Description	Length	Depth (MD/TVD)	Burst	Collapse (psi)
KB Correction	15'	15'		
150 jts 2-7/8", 4.7#, J-55, 8rd	4710'		7,260	7,680
Tubing Anchor Catcher	2.84'			
6 jts 2-7/8", 4.7#, J-55, 8rd	192'			
Seating Nipple	1.10'			
Perforated Sub	4.05'			
1 jt 2-3/8" tubing (MA)	32'			
EOT		4957'		

**Dimensions & Capacities:**

String	ID	Drift ID	Capacity	
5-1/2" Production Casing	4.892"	4.767"	0.02325 bbl/ft	64.3375 ft/bbl
Production Tubing	2.441"	2.347"	0.00579 bbl/ft	172.711 ft/bbl

**Procedure**

1. Check the pressure on all annuli before starting any work. Record all pressures and include daily pressure readings on every morning report. Bleed off all pressures prior to performing any work.

**NOTE: EDGE company rep will be responsible for calling out all rental equipment and will shut-down operations before encountering anything that might jeopardize the safety of any personnel, equipment, or the well itself.**

2. MIRU workover rig. RD pumping unit and prepare to pull the pump and rods. Pump 3% KCl water down the tubing to kill the well if necessary.
3. POH with rods and pump.
4. Prepare to pull tubing. ND wellhead and NU BOPs. Release tubing anchor catcher (TAC). POH with 2-7/8" tubing.
5. Check pressures and kill well with 3% KCl if necessary. RIH w/ retrievable bridge plug on tbg and set RTBP in the middle of a casing joint at ~4,785'. Spot 30' of sand on top of BP. Test RBP to 3,000 psi. POH with tubing.
6. RU wireline and 5,000 psi lubricator and test to 3,000 psi.
7. RIH with 3-1/8" casing gun assembly loaded 2 spf, correlate on depth using the original open hole log (Halliburton Spectral Density – Dual Spaced Neutron log dated 8/29/07), and perforate the Belco with 2 spf, 0.32" minimum hole diameter, maximum penetration shots (~25"), and 60° phasing as follows:

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4662' – 4669' (7 ft, 14 shots)  
4618' – 4638' (20 ft, 40 shots)

8. RD e-line. Record the reaction of the formation to the perforation.
9. Frac the Belco zone down 5-1/2" casing as per the Schlumberger frac design (TBD). Max pressure 3000 psi.
10. RIH w/ 2-7/8" tubing and packer. RU swab unit and recover the frac load water. Once the well cleans up, establish steady-state swab rate and oil cut. Record same on morning report.
11. Release packer and TOH w/ tubing. RIH w/ tbg, wash sand off RTBP set @ 4785', release BP. POH with tubing and RTBP.
12. RIH w/ 2-7/8" mud anchor, anchor catcher, seating nipple, production tubing. Set the 2-7/8" tubing @ 4580'. RIH w/ pump and rods and turn well over to production.

**Southeast Lusk 34 Federal 5**  
**Edge Petroleum Operating Company, Inc.**  
**June 12, 2008**  
**Conditions of Approval**

- 1. Test BOP prior to releasing tubing anchor.**
- 2. Submit subsequent report with new production test within 30 days of completing work.**

**WWI 061208**