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Form 3160-4
(April 2004)

APR 28 2009

HOBBSON

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD

OCD-HOBBS

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No	
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr, Other _____		6 If Indian, Allottee or Tribe Name N/A	
2 Name of Operator Edge Petroleum Operation Company, Inc.		7 Unit or CA Agreement Name and No N/A	
3 Address 1301 Travis, Ste. 2000 Houston, TX 77002		8 Lease Name and Well No Southeast Lusk 27 Federal #1	
3a Phone No (include area code) 713-335-9808		9 AFI Well No 30-025-38678	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 487' FSL & 1980' FWL At top prod interval reported below At total depth		10 Field and Pool, or Exploratory Lusk, Bone Spring, South	
14 Date Spudded 08/21/2008		15 Date T D Reached 10/02/2008	
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		11 Sec, T, R, M, on Block and Survey or Area Sec. 27, T-19S, R-32E	
18 Total Depth MD 7800' TVD		19 Plug Back T D MD 7727' TVD	
20 Depth Bridge Plug Set MD 6000' TVD		12 County or Parish Lea Co	
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) Dual spaced neutron, Dual Laterolog, Neutron Microlog, Resistivity		13 State NM	
22 Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)		17 Elevations (DF, RKB, RT, GL)* 3570' GL	

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8"	J55-54.5	0	920'		950 sx C		surface	none
12 1/4	10 3/4"	N-8-45.5	0	3030'		615 sx C		surface	none
9 1/2	7 5/8"	110-26.4	0		4258'	122 sx C		surface	none
						345 sx C			
6 3/4	5 1/2"	P110-20	0	7795'		635 sx C		surface'	none

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	6500'	5775'	1X					

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Delaware			5824'-5836', 4878'-4888'	4spf	48	
B)						
C)						
D)						

26 Perforation Record

Depth Interval	Amount and Type of Material
5824'-5836'	Frac'd w/ 40 bbls 3% KCL

27 Acid, Fracture, Treatment, Cement Squeeze, etc

28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
11/23/2008	02/01/2009	24	→	11	12	14			pumping
Choke Size	Tbg Press Flwg SI 100	Csg Press 0	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

ACCEPTED FOR RECORD

APR 26 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*(See instructions and spaces for additional data on page 2)

KZ

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc*)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				salt	1330-2580
				anhydrite/dolomite	2580-2750
				sand	2750-2860
				dolomite/sand	2860-3080
				dolomite	3080-3440
				limestone	3440-3700
				Capitan Reep (Lost returns)	3770-4260
				dolomite/sand	4260-4570
				sand	4570-4630
				dolomite	4630-4850
				sand/dolomite	4850-5670
				dolomite/sand/shale	5670-5820
				sand/dolomite	5820-5980
				sand/shale	5980-6340
				dolomite/sand	6340-6580
				sand/dolomite	6580-7210
				dolomite/shale	7210-7500
				limestone	7500-7700
				sand/shale	7700-7720
				limestone	7720-7800

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)¹

Name (please print) Angela Lightner angela@rkford.com

Title Consultant 432-682-0440 office

Signature

Angela Lightner

Date 04/09/2009

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.

EDGE PETROLEUM CORPORATION
CURRENT SCHEMATIC
API# 30-025-38678

DATE: 2/16/09

LEASE: LUSK 27 FED
WELL: No. 1
AREA: LEA CO., NM
FIELD: Lusk South Bone Springs

SURF LOC: SECTION 27, T19S, R32E
BHL: STRAIGHT HOLE
X:
Y:

ENGR: Jesse Allen
RIG:
ELEV. 3568.9
KB: 3584

DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE	MAXIMUM DOGLEG SEVERITY
			TVD	MD					
			40'	40'		PRESET	20" Conductor		
		Anhydrite	920'	920'		17 1/2"	13 3/8", 54.5 ppf J-55, STC	SPUD MUD 8.6-8.8 PPG	2°/100'
		Yates	2664	2664		12 1/4"	10 3/4" NT-80, 45.5, BTC 0'-3000'	10.0-10.2 ppg Brine wtr 28-34 CP 920'-3000'	
		Capitan	3525	3525		9 1/2"	7 5/8" DV Tool/ECP 2891'		
STRAIGHT HOLE	E-LOGS NONE	Delaware	4258'	4258'			7 5/8", 26.4 ppf HCP-110, LTC 0'-4258'	8.4-8.6 ppg Fresh wtr Vis 28-29 3000'-4258'	2°/100'
		Cherry Canyon	4748	4748			2-7/8" 6.5# J55 EUE 8R tbg with EOT @ 5904' 2-7/8" tac @ 5724' SN @ 5874' 2" X 1-1/2" x 20' Quinn "Frac" Pump 153- 3/4" KD rods f/b 79- 7/8" KD rods, 2', 6' and 8' pony rods 24' polish rod with 14' x 1-1/2" polish rod liner. Cherry Canyon Perfs: 4878 - 88' 4 JSPF w/ 3-3/8" gun 60 deg phasing BD with 2% KCL. Swabbed down. Very little fluid entry. Brushy Canyon Perfs: 5824'-36' Frac'd w/ 32.9m#. 35% oil cut (-159 BLW) 6000' CIBP 6363'-66' Break down w/ 10 bbl 3% KCl (6363'-6377') 6373'-77' No Fluid Entry 6396'-6400' Added perfs- no reaction. 6562'-80' Break down w/ 1000 gal 7.5% NEFE acid No oil or gas on swab test.		
		Brushy Canyon	5877	5877					
		Lwr Brushy Canyon	7174	7174					
		1st Bone Springs Lm	7424	7424					
		Bone Springs Lm Pay	7616	7616					
STRAIGHT HOLE	E-LOGS Triple Combo 42580' to 7800'	PBTD TD	7727' 7800'	7727' 7800'		6 3/4"	5 1/2", 20#, P-110, Ultra-FJ 0'-7795'	8.4-10.4 ppg fresh/brine/mud 4258'-7800' WL 6-8 CC Vis 28-40	2°/100'

Note: Well is currently on sucker rod lift with pump below the perfs

Last updated 2/16/2009 by JJA

REFERENCE SHEET FOR
UNDESIGNATED WELLS

	Fm	Pm	N	Pc
17-21 W	XX	XX		XX

1. Date:	4/14/2009
2. Type of Well:	
Oil:	XX Gas:
3. County:	LEA

paragraph

4. Operator	EDGE PETROLEUM OP COMPANY INC		API NUMBER	30 - 025 - 38678
5. Address of Operator	1301 TRAVIS STE HOU SAN ANTONIO TX 79802			
6. Lease name or Unit Agreement Name	>> SOUTHEAST LUSK 27 FEDERAL		7. Well Number	# - 1
8. Well Location	Unit Letter: <u>A</u> <u>700</u> feet from the <u>N</u> line and <u>330</u> feet from the <u>E</u> line Section <u>33</u> Township <u>19S</u> Range <u>32E</u>			

9. Completion Date	11/3/2008	11. Perfs	Top	Bottom	ID
			4434	4862	5000
10. Name of Producing Formation(s)	DELAWARE		12. Open Hole Casing shoe	Bottom	PBTD

13. C-123 Filed	Date	15. Name of Pool Requested or temporary Wildcat designation.	Pool ID num
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		LUSK;DELAWARE, EAST	41520
16. Remarks	EXTEND		

TO BE COMPLETED BY DISTRICT GEOLOGIST		
17. Action taken	18. Pool Name	Pool ID num
EXTEND	LUSK;DELAWARE, EAST	41520
<p>T 19 S, R 32 E</p> <p>SEC 27: SW/4</p> <p>SEC 33: NE/4</p>		

19. Advertised for HEARING	20. Case Number
21. Name of pool for which was advertised	Pool ID num
LUSK;DELAWARE, EAST	41520
22. Placed in Pool	23. By order number
	R-