

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMBNO. 1004-0137
Expires: March 31, 20071a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other _____2. Name of Operator **Edge Petroleum Operation Company, Inc.**3. Address **1301 Travis Suite 2000 Houston, TX 77002**3a. Phone No. (include area code)
713-335-9808

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **290' FNL & 1650' FWL**

At top prod. interval reported below

At total depth

14. Date Spudded
08/04/200715. Date T.D. Reached
08/31/200716. Date Completed **09/25/2007**
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
3561' GL18. Total Depth: MD **5074'**
TVD19. Plug Back T.D.: MD
TVD20. Depth Bridge Plug Set. MD **4870'**
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

High Res. Induction & Dual Spaced Neutron Density22. Was well cored? ☐ No ☒ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

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	J-55	68		890		699 sks "C"		surface	
12 1/4	J-55	45.5		3092		860 sks "C"		surface	
9 1/2	P-110	26.4		4283		620 sks "C"		surface	
6 1/2	L-80	17		5074		100 sks		surface	

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 7/8	5021	4770						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cherry Canyon			4904-4914	4 spf	32	
B)			4837-4847	4 spf	32	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4904-4914	2% KCL 663 bbls, 20/40 ottawa sand 30,845#
4837-4847	Gel 669 bbls, 20/40 ottawa sand 33,294#

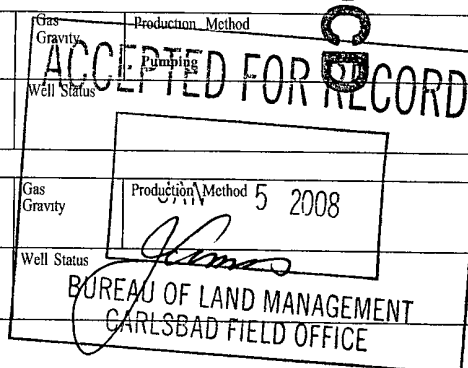
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/26/2007	09/27/2007	24	→	136	92	270			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	SI 50	0	→						

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
			→						5 2008
Choke Size	Tbg. Press Flwg. SI	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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



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

High res. induction & Dual spaced neutron density logs

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Capitan Reef	3260	4230	limestone		
Belco Upper	4510	4548	sandstone		
Belco Middle	4598	4640	sandstone		
Belco Lower	4660	4680	sandstone		
Cherry Canyon	4795	5004	sandstone/dolomite		

32. Additional remarks (include plugging procedure):

High res. induction & Dual spaced neutron density logs submitted.
Core analysis submitted.
deviation report submitted.

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)*

Name (please print) Angela Lightner angela@rkford.comTitle Consultant 432-682-0440 office

Signature

Angela LightnerDate 12/21/2007

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.

Drilled Sidewall Core Analysis Report

Company: Edge Petroleum Operating Co., Inc.
File No.: 07711
Well : S.E. Lusk 34 Federal No. 5
Location: 990' FNL & 1650' FWL

Field: Lusk Delaware East
Formation:
County: Lea County, New Mexico

Sample Number	Depth	Air Permeability	Klinkenberg Permeability	Porosity	Grain Density	Sw	So	Gas Units	Fluorescence	Sample Description
	ft	mD	mD	%	g/cc	%	%		%	Description

Confining Pressure 1,580psi

1	4,599.5	67.1	64.8	22.02	2.64	60.7	0.0	6	0		1
2	4,601.0	0.1194	0.0826	8.43	2.65	56.9	12.4	183	40	Brt gld	2
3	4,622.0	0.1236	0.0869	8.94	2.67	58.2	11.5	109	30	Brt gld	3
4	4,627.0	100	97.3	22.30	2.64	46.2	19.3	433	100	DI gld	4
5	4,630.0	28.7957	27.4554	18.48	2.66	41.6	18.9	490	100	DI gld	5
6	4,632.0	25.1428	23.8855	18.11	2.64	46.3	19.0	500+	100	DI gld	6
7	4,663.0	10.4047	9.6583	16.35	2.67	44.3	18.8	500+	100	DI gld	7
8	4,667.0	0.5666	0.4666	12.23	2.65	67.7	0.0	16	0		8
9	4,841.0	67.6506	65.418	20.46	2.64	52.0	17.1	478	80	Gld	9
10	4,843.0	0.1961	0.1436	11.18	2.67	64.3	0.0	66	0		10
11	4,870.0	0.1134	0.0775	9.72	2.65	66.2	0.0	24	0		11
12	4,887.0	0.0094	0.0040	4.31	2.67	62.9	0.0	28	0		12
13	4,888.0	0.3098	0.2364	12.39	2.68	60.6	0.0	31	0		13
14	4,899.0	0.2819	0.2150	13.02	2.66	61.3	0.0	35	0		14
15	4,904.0	34.5562	33.0891	18.63	2.65	49.5	17.9	429	90	Brt yl	15
16	4,908.0	65.5796	63.4563	20.74	2.64	43.1	19.4	500+	100	Brt yl	16
17	4,912.0	69.115	66.9092	21.37	2.65	48.3	18.2	500+	95	Brt yl	17
18	4,914.0	38.292	36.715	18.39	2.67	53.3	15.7	310	60	Brt yl	18
19	4,949.0	308 (f)	303 (f)	25.16	2.63	44.9	18.6	403	95	Brt yl	19
20	4,955.5	26.3	25.0	18.74	2.65	65.4	0.0	40	0		20
21	4,960.5	179 (f)	175 (f)	24.40	2.65	60.6	0.0	27	0		21
22	4,970.0	6.44	5.89	17.88	2.66	59.5	0.0	73	0		22
23	4,985.0	183	180	24.88	2.64	62.3	0.0	42	0		23
24	4,989.5	129	126	23.13	2.64	60.0	0.0	21	0		24
25	4,995.0	20.8	19.7	22.14	2.64	64.6	0.0	8	0		25

Note: 500+ gas reading represents a saturated detector filament

1% CH4 in air = 100 gas units

Note: tbf/a indicates samples that are too broken for analysis