

OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr.
Other Dry Hole

2 Name of Operator
Rex Energy (Joe Clement 432-685-0075)

3 Address 500 W Texas, Suite 940 Midland, Texas 79701

3a Phone No (include area code)
432-685-00754 Location of Well (Report location clearly and in accordance with Federal requirements)*
1780' FNL & 1830' FEL Section 20 T22S-R22E Eddy County NM
At surface

At top prod interval reported below

At total depth

14 Date Spudded
03/14/200715 Date T D Reached
04/11/200716 Date Completed 04/17/2007
☒ D & A ☐ Ready to Prod5 Lease Serial No
NM-8420A

6 If Indian Allottee or Tribe Name

7 Unit or CA Agreement Name and No

8 Lease Name and Well No
Patterson "20" #19 AFI Well No
30-015-3845110 Field and Pool or Exploratory
Rocky Arroyo - Southwest11 Sec., T., R., M. on Block and
Survey or Area12 County or Parish
Eddy13 State
NMAUG 15 2007
OCD-ARTESIA18 Total Depth MD 6100'
TVD N/A19 Plug Back T D MD N/A
TVD N/A20 Depth Bridge Plug Set MD N/A
TVD N/A17 Elevations (DF, RKB, RT, GL)*
4422' GL21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
N/A22 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
26"	20"			45'		6 yd ready mix		surface	0
17 1/2"	13 3/8" H40	48		972'		1185 sks - C	62.16	surface	0
12 1/4"	9 5/8" J55	40		1865'		750-C		surface	
								8/13/07	
								MMI	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A)						
B)						
C)						
D)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material

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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	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	
			→						

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

ACCEPTED FOR RECORD
AUG 13 2007
WESLEY W. INGRAM
PETROLEUM ENGINEER

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 (Solid, used for fuel, vented, etc)

30 Summary of Porous Zones (Include Aquifers)				31 Formation (Log) Markers	
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					
Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas Depth
Wolfcamp Lime	5806	5964	DST 5870 - 6100' Initial Hyd 2810 psi - Initial Flow (15 min) 262-151 psi - ISIP (60 min) 1031 psi	Glonetta	1622
			Final Flow (120 min) 221-264 psi - FSIP (180 min) 1140 psi Final Hyd 2811 psi	Yeso	1680
			GTS in 60 min Max rate 43 mcf	Bone Spring, Carb	3276
			Rec 687' GCM, CLI 70,000	Abo	4006
			SC 1300 CC M, 0.49 CFG @ 264 psi	Wolfcamp Lime	5806

32 Additional remarks (include plugging procedure)

See Attached 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 available records (see attached instructions)*

Name (please print) Joe N. Clement Title VP
 Signature [Signature] Date 7/13/07

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

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