

DEC 06 2011

OPERATOR'S COPY

Form 3160-4
(April 2004)

RECEIVED

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 _____

2. Name of Operator **J. C. Williamson**

3. Address **P O Box 16
Midland TX 79702**

3a. Phone No. (include area code) **432 682-1797**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **687' FSL and 660' FEL**
At top prod. interval reported below **687' FSL and 660' FEL**
At total depth **687' FSL and 660' FEL**

5. Lease Serial No. **NM0480904A**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. **891013810B NM71027A**

8. Lease Name and Well No **Ross Draw Unit #31**

9. AFI Well No. **30-015-38371**

10. Field and Pool, or Exploratory **Ross Draw Delaware**

11. Sec., T., R., M., on Block and Survey or Area **Lot 1, Sec 33 T26S R30E**

12. County or Parish **Eddy** B. State **NM**

14. Date Spudded **02/16/2011**

15. Date T.D. Reached **03/13/2011**

16. Date Completed **08-10-2011**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **2979'**

18. Total Depth: MD **TVD 6850'**

19. Plug Back T.D.: MD **TVD 6850'**

20. Depth Bridge Plug Set: MD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Hi-Res Laterolog-CFL/GR, Caliper Log, Mud log, Three-Detector Litho Density

22. 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"	13-3/8	H-40	surface	505'		600sx"C"	143	surface	0-circ50sxtopit
11"	8-5/8	24# 32#	surface	3230'		1000sx35/65 poz & 500sx "C" neat	239	surface	0-circ200sxtopit
7-7/8"	5-1/2"	17# N-80			6849'	***Line 32**	119		

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"	6850'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware Sand	6252	6272	6252-6272		15	open-producing
B)	6338	6361	6338-6361		11	
C)	6602	6632	6602-6632		11	
D)	6686	6700	6686-6700		10	

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

Depth Interval	Amount and Type of Material
6252-6272	2000 gal 7-1/2% NEFE Frac-43,000 gal 30# xlink, 92,000# 16/30 sand
6338-6361	2000 gal 7-1/2% NEFE Frac-40,000 gal 30# xlink, 91,000# 16/30 sand
6602-6632	2000 gal 7-1/2% NEFE
6686-6700	2000 gal 7-1/2% NEFE

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
02/10/2011	08/10/2011	24	→	123		300	40		Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Shut In
Full			→	123		300	1900/1		

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)

RECLAMATION
DUE 2-10-12

NOTED FOR RECORD

NOV 13 2011

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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.)

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
Surface Sand	0	300	surface sand, gravel	Surface Sand	0-300
Anhydrite	300	670	anhydrite	anhydrite	300
Salt	670	3200	anhydrite salt	salt	670
Lower Anhydrite	3200	3500	anhydrite	T/lower anhydrite	3350
Delaware Sand	3500	6957	delaware sand, shale	T/delaware sand, shale	3500

32. Additional remarks (include plugging procedure):

As to casing and liner record, line 23: The 5-1/2" casing was set @ 6849'. 1st stage-500 sx 50/50 poz. 2nd stage-400 sx 35/65 poz, cement top @4550'. Circulated 200 sx off DV tool, lost circ. As per BLM, pumped 420 sx 35/65 poz via 5-1/2" and 8-5/8" annulus cement top @629.

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) Mary Jane WilmethTitle Agent

Signature

Mary Jane Wilmeth

Date

11-09-11

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.