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OCD Artesia

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM0560352
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No. NMNM107683
8. Lease Name and Well No. W SHUGART 31 FEDERAL 2
9. API Well No. 30-015-31821-00-S2
10. Field and Pool, or Exploratory N SHUGART
11. Sec., T., R., M., or Block and Survey or Area Sec 31 T18S R31E Mer NMP
12. County or Parish EDDY
13. State NM
17. Elevations (DF, KB, RT, GL)* 3545 GL

1a. Type of Well [X] Oil Well [] Gas Well [] Dry [] Other
b. Type of Completion [] New Well [] Work Over [] Deepen [X] Plug Back [] Diff. Resvr.
Other

2. Name of Operator Contact: PAULA BRUNSON
CIMAREX ENERGY COMPANY OF TEXAS Email: pbrunson@cimarex.com

3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701
3a. Phone No. (include area code) Ph: 432-571-7848

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENW 1700FNL 1980FWL
At top prod interval reported below SENW 1700FNL 1980FWL
At total depth SENW 1635FNL 1570FWL

14. Date Spudded 10/10/2001
15. Date T.D. Reached 11/13/2001
16. Date Completed [] D & A [X] Ready to Prod. 12/08/2012

18. Total Depth: MD 12308 TVD
19. Plug Back T.D.: MD 8275 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL NONE
22. Was well cored? [X] No [] Yes (Submit analysis)
Was DST run? [X] No [] Yes (Submit analysis)
Directional Survey? [X] No [] Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)
Table with columns: Hole Size, Size/Grade, Wt. (#/ft.), Top (MD), Bottom (MD), Stage Cementer Depth, No. of Sk. & Type of Cement, Slurry Vol. (BBL), Cement Top*, Amount Pulled

24. Tubing Record
Table with columns: Size, Depth Set (MD), Packer Depth (MD)

25. Producing Intervals
26. Perforation Record
Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.
Table with columns: Depth Interval, Amount and Type of Material

28. Production - Interval A
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

28a. Production - Interval B
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #196751 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** BLM REVISED **

ACCEPTED FOR RECORD
FEB 16 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

JMW

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.)
UNKNOWN

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

32. Additional remarks (include plugging procedure):
Plugged back to Bone Spring and perfed. Morrow abandoned.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

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

**Electronic Submission #196751 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/12/2013 (13KMS4869SE)**

Name (please print) PAULA BRUNSON Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 02/06/2013

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.