

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD

Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.  
NMNM118119

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 ARMSTRONG ENERGY CORPORATION Contact: IRMA CUNNINGHAM  
Email: icunningham@aecnrm.com

3. Address 500 N. MAIN ST., SUITE 200 ROSWELL, NM 88201 3a. Phone No. (include area code) Ph: 575-625-2222

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface NESE 1630FSL 1220FEL 33.855667 N Lat, 103.409168 W Lon  
At top prod interval reported below NESE 1630FSL 1220FEL 33.855667 N Lat, 103.409168 W Lon  
At total depth NESE 1630FSL 1220FEL 33.855667 N Lat, 103.409168 W Lon

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.  
8. Lease Name and Well No. LIZA JANE FEDERAL 1  
9. API Well No. 30-041-20972-00-S1  
10. Field and Pool, or Exploratory WC041G05S053419N-FUSSELMAN  
11. Sec., T., R., M., or Block and Survey or Area Sec 19 T5S R34E Mer NMP  
12. County or Parish ROOSEVELT 13. State NM  
14. Date Spudded 06/28/2017 15. Date T.D. Reached 07/18/2017 16. Date Completed ☐ D & A ☒ Ready to Prod. 09/25/2017  
17. Elevations (DF, KB, RT, GL)\* 4331 GL  
18. Total Depth: MD 8056 TVD 8056 19. Plug Back T.D.: MD 7994 TVD 7994 20. Depth Bridge Plug Set: MD TVD  
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL-MG DSN-SD 22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☒ No ☐ Yes (Submit analysis)

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
17.500	13.375 J-55	54.5	0	416		400	110	0	0
12.250	8.625 J-55	24.0	0	2481		1430	454	0	0
7.875	5.500 J-55	17.0	0	8048		1240	471	0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7783	7783						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FUSSELMAN	7872	7879	7872 TO 7879	0.400	24	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7872 TO 7879	7.5 BBL 15% HCL

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
09/25/2017	09/27/2017	24	→		1072.0				FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
12/64	1100		→	0	1072	0		PGW	

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 reverse side)

ELECTRONIC SUBMISSION #388570 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

RECLAMATION DUE:  
MAR 25 2018

ACCEPTED FOR RECORD  
(ORIG. SGD) DAVID R. GLASS

OCT 04 2017

DAVID R. GLASS

PETROLEUM ENGINEER

*[Handwritten signature]*

## 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
OGALLALA FUSSELMAN	0 7872	200 7879	GAS	RUSTLER YATES QUEEN SAN ANDRES GLORIETA TUBB ABO WOLFCAMP PENN SILURIAN FUSSELMAN	2116 2203 2657 3227 4555 5855 6620 7351 7696 7858 7968

## 32. Additional remarks (include plugging procedure):

## 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 #388570 Verified by the BLM Well Information System.  
For ARMSTRONG ENERGY CORPORATION, sent to the Roswell  
Committed to AFMSS for processing by DAVID GLASS on 09/15/2017 (17DRG0285SE)

Name (please print) IRMA CUNNINGHAM

Title GEO TECH

Signature (Electronic Submission)

Date 09/14/2017

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.

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*