

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

HOBBS OCD

AUG 07 2017

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM118119
2. Name of Operator ARMSTRONG ENERGY CORPORATION Contact: KYLE ALPERS Email: kalpers@aecnm.com		6. If Indian, Allottee or Tribe Name
3a. Address 500 N. MAIN ST., SUITE 200 ROSWELL, NM 88201	3b. Phone No. (include area code) Ph: 575-625-2222 Fx: 575-622-2512	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T5S R34E NESE 1630FSL 1220FEL 33.855667 N Lat, 103.409168 W Lon		8. Well Name and No. LIZA JANE FEDERAL 1
		9. API Well No. 30-041-20972-00-X1
		10. Field and Pool or Exploratory Area WC041G05S053419N-FUSSELMAN
		11. County or Parish, State ROOSEVELT COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

- 1 - Notch Collar 0.75
- 1 - Float Collar 1.32
- 1 - SJ 17# J-55 LTC 42.09
- 1 - Float Collar 1.32
- 4 - Jts 17# J-55 LTC 168.39
- 1 - Marker Joint 17# J-55 LTC (7813?) 20.88
- 2 - Jts 17# J-55 84.21
- 6 - Jts 17# J-55 252.88
- 1 - Marker Joint 17# J-55 LTC (7454?) 21.20
- 5 - Jts 17# J-55 LTC 210.29
- 1 - DV Tool L-80 2.64

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #383426 verified by the BLM Well Information System
For ARMSTRONG ENERGY CORPORATION, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 08/01/2017 (17DRG0239SE)**

Name (Printed/Typed) IRMA CUNNINGHAM

Title GEO TECH

Signature (Electronic Submission)

Date 08/01/2017

ACCEPTED FOR RECORD THIS SPACE FOR FEDERAL OR STATE OFFICE USE

(ORIG. SGD) DAVID B. GLASS

Approved By DAVID B. GLASS AUG 02 2017

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #383426 that would not fit on the form

32. Additional remarks, continued

1 - Jt 17# J-55 LTC	42.11
1 - Marker Joint 17# J-55 LTC (7181?)	18.44
22 - Jts 17# J-55 LTC	924.43
44 - Jts 15.50# J-55 LTC	1853.05
1 - Marker Joint 15.50# J-55 LTC (4384?)	19.79
8 - Jts 15.50# J-55 LTC	336.93
1 - Marker Joint 15.50# J-55 LTC (4034?)	12.78
2 - Jts 15.50# J-55 LTC	84.25
1 - Marker Joint 15.50# J-55 LTC (3940?)	10.02
68 - Jts 15.50# J-55 LTC	2859.81
26 - Jts 17# J-55 LTC	1095.08
Total Length	8062.66
KB +	19.00
Cut off -	34.00
Total Depth	8047.66

Centralizers

1st at 8025?, 2nd at 7960?, 3rd at 7917?, 4th at 7875?, 5th at 7834?, 6th at 7774?, 7th at 7687?, 8th at 7561?, 9th at 7286?, 10th at 7200?, 11th at 6928?, 12th at 6506?, 13th at 6088?, 14th at 5666?, 15th at 5244?, 16th at 4823?, 17th at 4319?, 18th at 4510?, 19th at 4637?, 20th at 4118?, 21st at 4066?, 22nd at 3560?, 23rd at 3138?, 24th at 2674?, 25th at 2464?

Cemented 1st Stage with 190 sx H cement with 5% salt, 2% Bentonite Gel, 0.5% Fluid Loss, 0.4% Dispersant, 0.2% Retarder, 0.125#/sk Celloflake, 3#/sk Kolseal, 0.4#/sk Defoamer, displaced and did not bump float, floats held, dropped dart and opened DV Tool, circulated 24 sx of gray mud. Circulated 4hrs

Cemented 2nd Stage with a lead cement of 900 sx of H cement with 5% salt, 10% Bentonite Gel, 0.2% Anti-Settling, 0.125#/sk Celloflake, 3#/sk Kolseal, 0.4#/sk Defoamer and tailed in with 150 sx of H cement with 5% salt, 2% Bentonite Gel, 0.5% Fluid Loss, 0.4% Dispersant, 0.2% Retarder, 0.125#/sk Celloflake, 3#/sk Kolseal, 0.4#/sk Defoamer, Closed DV Tool, bled back 2 ? bbl, tool held. Circulated 69 sx.

Set slips at 97pts on