

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-35962
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 2850
7. Lease Name or Unit Agreement Name Mobil Lea State
8. Well Number 8
9. OGRID Number 1092
10. Pool name or Wildcat Lea Delaware, NE

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-103) FOR PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other Injector

2. Name of Operator
Armstrong Energy Corporation

3. Address of Operator
PO Box 1973 Roswell, NM 88202

4. Well Location
Unit Letter N : 330 feet from the South line and 1650 feet from the West line
 Section 2 Township 20S Range 34E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

HOBBS
 SEP 11 2020
RECEIVED

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input checked="" type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: Replace tubing string <input type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 8/11/20 Move Rig to location
- 8/12/20 RUPU SD flood TP: 350# BS: 1450# Hooked up vac truck to tubing and BS to bleed off pressure ND tree NU BOP release packer TOH W/ 181 joints 2 3/8 IPC laying down tubing string sent packer into shop for redress. SDFD
- 8/13/20 Moved tubing around to set racks and catwalk unloaded 180 joints 2 3/8, 4.70#, J-55 8RD EUE, T&C modified polycore tubing, loaded 182 joints on trucks to send in to Western Falcon for exchange, RU vac truck (M&S) bleed off pressure from wellbore staying hooked up to keep well from running over while TIH W/ redressed packer and 180 joints new tubing plus a 10' and 8' sub left swinging ND BOP NU flange rev-circulated 115 bbls packer fluid picked up and set packer @5527' W/ 15 points of tension, NU flange pressured up BS to 580# performed post workover MIT passed test, no pressure drop SDFD. Chart attached.
- 8/14/20 no pressure on BS hooked up injection lines RDPU kicked on triplex started injecting W/ rate of 300BPD.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE VP Engineering DATE 9/3/20

Type or print name Kyle Alpers E-mail address: kalpers@aecnm.com PHONE: 575-625-2222
For State Use Only

APPROVED BY: [Signature] TITLE C O A DATE 9.11.20

Conditions of Approval (if any):



LAST UPDATED
9/4/2020

3,664' GR

Yates - 3,612'

7 Rivers - 3,835'

Queen - 4,655'

Grayburg - 5,050'

San Andres - 5,300'

Delaware - 5,596'

1st Sand - 5,608' to 5,744'

2nd Sand - 5,890' to 5,912'

Two 300 sx squeezes 10/2016 to prep
for 4" liner

3rd Sand - 5,938' to 6,024'

Liner set 2' off bottom

22" hole
16" 54#/ft @ 42'
3 c.y. redi-mix

14 3/4" hole
9 5/8" 36#/ft @ 1,700'
1050sx LitePP/PP - 125sx Circ

8 3/4" & 7 7/8" hole

DV tool @ 5,239.6"
Stage 1 - 250 sx "H", circ 55sx
Stage 2 - 1525 sx Lite/"H", circ 40sx

Liner top @ 5805'

4" 13 CR-95 FL4S liner @ ~ 5805' with 2 3/8" modified polycore injection string
on 4" packer @ 5527', 15pts tension PBDT in liner is 6032'

suspected casing leak ~5855'-5880' repaired 5/2016
sqz'd w/100sx 5/3/16 didn't hold
sqz'd w/200sx 5/10/16 held

New perfs (thru liner - 2016)
5942'-5970' 3spf 120 ° phasing
New perfs (thru liner - Nov 2017)
5974'-5992' 1spf 60 ° phasing - 2000gal 15%HCl 90/10 xylene blend

Delaware (original perforations)	STIMULATION
Perforations - 2002	3,000 12.5% NEFE, frac with
5942'-70' (29 shots)	19,000 gal Hybor G3.5195 gel and
5974'-77' (4 shots)	47,200# 16/30 Ottawa
5982'-84' (3 shots)	Acidized - 4/10/07 (500g 15%),
5988'-92' (5 shots)	10/15/07 (2,000g 15%), 7/31/08 (1,500g
	15%), 3/1/11 (2,000g 15%)

5 1/2" 15.5#/ft J-55 LTC @ 6,275'
TD 6,275'

Chased CIBP to 6078' 5/2016
one cone off 4 3/4" bit at bottom

Armstrong Energy Corporation

Mobil Lea State #8

WIW

Unit N 330' FNL & 1,650' FWL
Section 2, T20S, R34E
Lea County, New Mexico
API Number 30-025-35962
State O&G Lease No. LG-2750
Spud Date: 8/19/2002

**Downhole Injection
Equipment**

2 3/8" 4.7# J-55 Brd Modified polycore
lined tbg
Arrow-Set pkr with on/off tool and
1.875" profile nipple

**Surface Injection
Equipment**

FG Injection line, flowmeter

Notes

7/1/09 - HIT, bad collar
12/9/10 - HIT, 20th jt from surf
1/10/12 - HIT, one body three jts bad
2/27/12 - HIT 4/19/12 - HIT 7/28/12 - HIT
8/1/12 installed new 2 3/8" Ceram-Kote
string
9/7/12 - HIT, replaced ceram-kote (bad
coating job) with new IPC 101 string
10/08/12 failed MIT, reset pkr in tension.
Acidized 8/15/14 1000 gal
Csg leak 5/16 possibly from 11/15 acid
job. Squeezed 5/2016 twice. 1st w/100sx
would not sqz, went back w/200sx &
squeezed off.
8/2016 tracer survey indicates water
going back in direction of leak.
Casing Integrity survey (60 arm caliper)
9/12/16 indicates poor casing condition
from 5886'-5992'
Run 4" 10.9# 13CR95 FL4S liner October
2016
8/11/20 Replace tubing string with 2
3/8" 4.7# J-55 modified Polycore lined
tubing from Western Falcon. Packer set
@ 5527' w/15 points tension. MIT
passed.

State of New Mexico
 Energy, Minerals and Natural Resources Department
 Oil Conservation Division Hobbs District Office

BRADENHEAD TEST REPORT

Operator Name ARMSTRONG ENERGY CORP	API Number 30-025-35962
Property Name MOBIL LEA ST. #8	Well No. 8

¹ Surface Location

III. - Lot E	Section 2	Township 20S	Range 34E	Feet from 330'	N/S Line FSL	Feet From 1650'	E/W Line FWL	County LEA
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Well Status

TA'D WELL YES <input type="radio"/> NO <input checked="" type="radio"/>	SHUT-IN YES <input type="radio"/> NO <input checked="" type="radio"/>	INJECTOR <input checked="" type="radio"/>	SWD	OIL PRODUCER OIL <input checked="" type="radio"/> NA <input type="radio"/>	GAS	DATE 8/13/20
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OBSERVED DATA

	(A)Surface	(B)Interm(1)	(C)Interm(2)	(D)Prod Csg	(E)Tubing
Pressure	0	N/A		0	400
Flow Characteristics					
Puff	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	CO2
Steady Flow	<input type="radio"/> Y <input checked="" type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input checked="" type="radio"/> N	WTR <input checked="" type="checkbox"/>
Surges	<input type="radio"/> Y <input checked="" type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input checked="" type="radio"/> N	GAS
Down to nothing	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	Type of fluid injected for Waterflood if applies
Gas or Oil	<input type="radio"/> Y <input checked="" type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input checked="" type="radio"/> N	
Water	<input type="radio"/> Y <input checked="" type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input checked="" type="radio"/> N	

Remarks - Please state for each string (A,B,C,D,E) pertinent information regarding bleed down or continuous build up if applies.

Signature: 	OIL CONSERVATION DIVISION
Printed name: CORY HUBBARD	Entered into RBDMS
Title: FOREMAN	Re-test POST WORKOVER
E-mail Address: CHUBBARD@AECNM.COM	
Date: 8/13/20	
Phone: (575) 626-7142	
Witness: NA COVID 19	

INSTRUCTIONS ON BACK OF THIS FORM

