

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-104) 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.)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: Replace tubing string ☐

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:

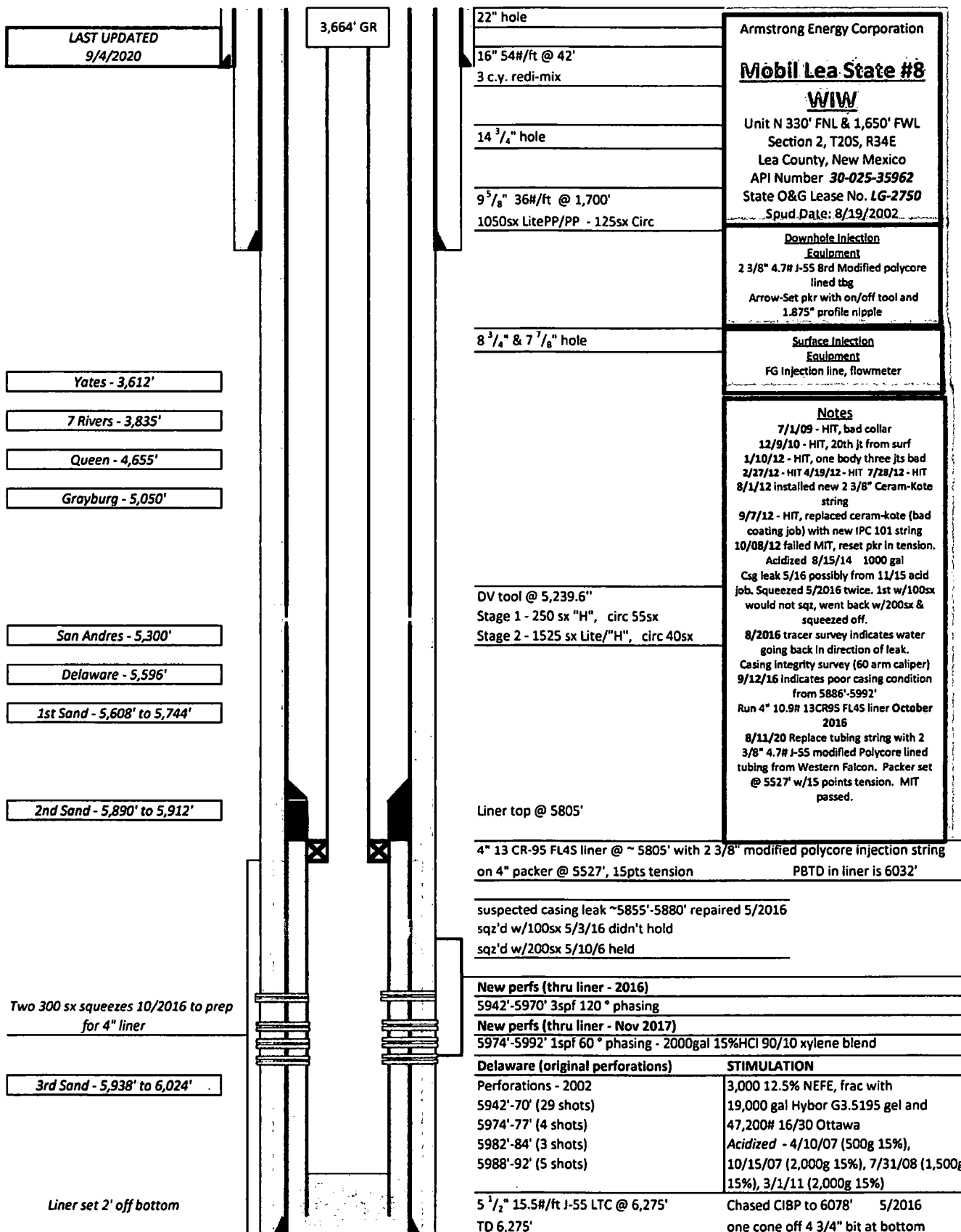
Rig Release Date:

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):



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.

Liner top @ 5805'

4" 13 CR-95 FL4S liner @ ~ 5805' with 2 3/8" modified polycore injection string on 4" packer @ 5527', 15pts tension P8TD 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 5/10/6 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)

Perforations - 2002  
5942'-70' (29 shots)  
5974'-77' (4 shots)  
5982'-84' (3 shots)  
5988'-92' (5 shots)

#### STIMULATION

3,000 12.5% NEFE, frac with 19,000 gal Hybor G3.5195 gel and 47,200# 16/30 Ottawa  
Acidized - 4/10/07 (500g 15%), 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

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

BRADENHEAD TEST REPORT

Operator Name <b>ARMSTRONG ENERGY GRP</b>		API Number <b>30-025-35962</b>
Property Name <b>MOBIL LEA ST. #8</b>		Well No. <b>8</b>

1. Surface Location

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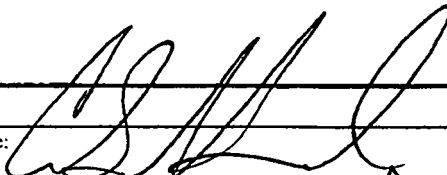
Well Status

YES	TA'D WELL <b>(NO)</b>	YES	SHUT-IN <b>(NO)</b>	<b>(INJ)</b>	INJECTOR	SWD	OIL	PRODUCER <b>NA</b>	GAS	DATE <b>8/13/20</b>
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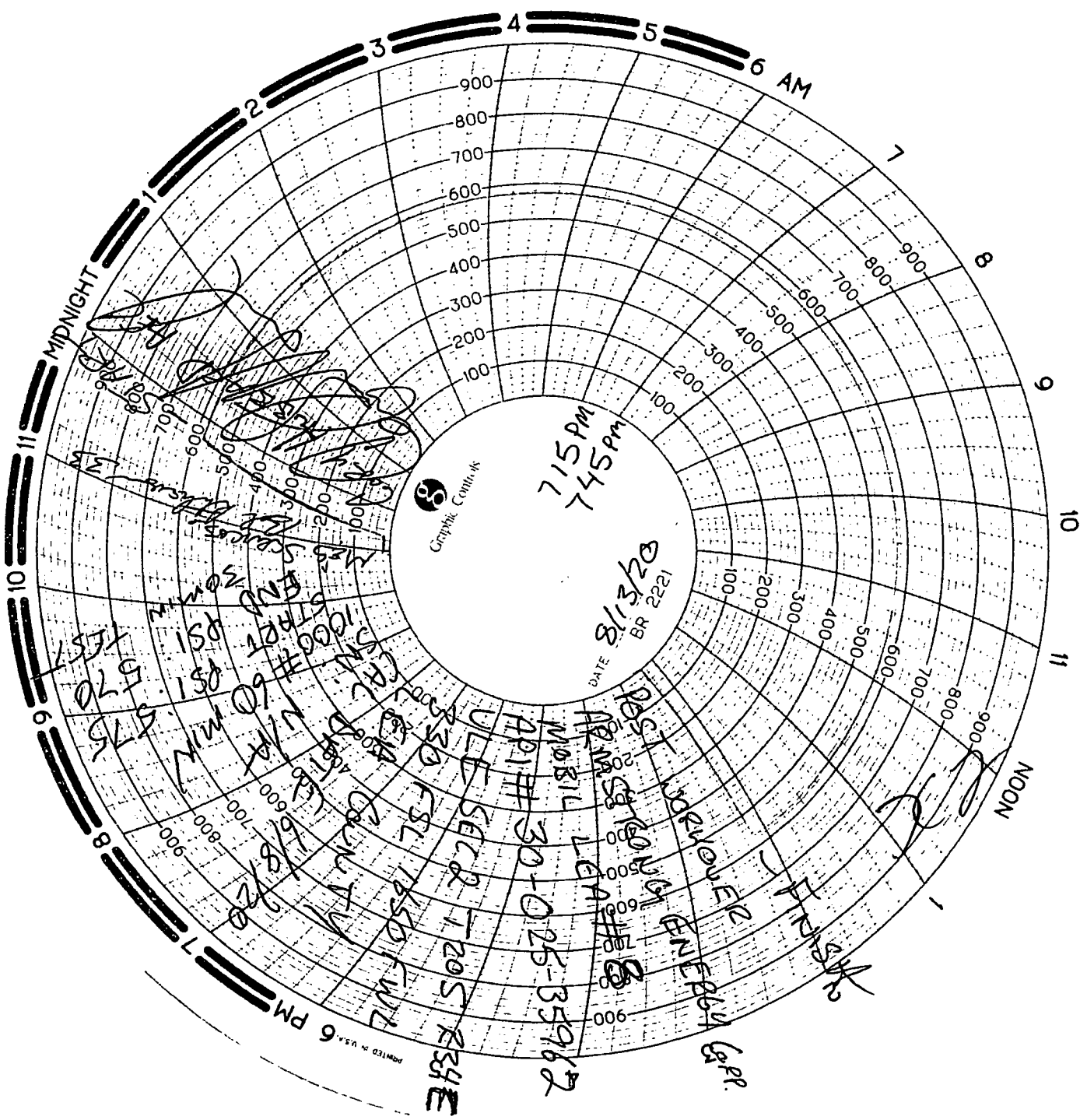
OBSERVED DATA

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

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

INSTRUCTIONS ON BACK OF THIS FORM



Graphic Controls

DATE 8/3/20  
BR 2221

7:15 PM  
745 W  
517

MIDNIGHT

NOON

JACOUE ENERGY

APRIL 30-025-35962

ULF SEC 2-1205 R34E

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ULF SEC 2-1205 R34E

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