

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. 30-025-32105
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 2833
7. Lease Name or Unit Agreement Name Mobil Lea State
8. Well Number 3
9. OGRID Number 1092
10. Pool name or Wildcat Lea Delaware, NE

SUDDRY 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-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injector	
2. Name of Operator Armstrong Energy Corporation	
3. Address of Operator PO Box 1973 Roswell, NM 88202	
4. Well Location Unit Letter <u>M</u> : <u>990</u> feet from the <u>South</u> line and <u>870</u> feet from the <u>West</u> line Section <u>2</u> Township <u>20S</u> Range <u>34E</u> 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: Replace tubing string <input type="checkbox"/>	

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 RUPU (Select Well Service) SDFD
- 8/12/20 RU Vac truck (M&S) to bleed off pressure from tubing and BS of well staying hooked up to keep well from running over, ND tree NU BOP release packer TOH W/ 170 joints 2 3/8 IPC laying down tubing string, sent packer into shop for redress SDFD.
- 8/13/20 moved tubing around on location in order to set catwalks and racks unloaded 172 New Joints 2 3/8, 4.70#, J-55, 8RD EUE, T&C modified polycore tubing, loaded 174 joints of old tubing on truck and sent in to Western Falcon for exchange. RU vac truck (M&S) bleed off pressure from well bore saying hooked up while TIH W/180 joints of new tubing and redressed packer left swinging ND BOP, NU flange rev-circulate hole W/ 120 bbls of packer fluid picked up and set packer @ 5890.63 W/ 10 points of tension, Flanged up and pressured up on BS to 560# performed post workover MIT test, passed no pressure drop, SDFD. Chart Attached.
- 8/14/20 RDPUP hooked up injection lines kicked on triplex started injecting @ a 300BPD rate.

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 Kyle Alpers TITLE VP Engineering DATE 9/3/20

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

APPROVED BY: Kerry Felt TITLE CO DATE 9-11-20
Conditions of Approval (if any):



LAST UPDATE
9/4/2020

3,662' GR
3,670' KB

22" hole

16" 54#/ft @ 42'
3 cy ready-mix

14 3/4" hole

9 5/8" 36#/ft @ 1,700'
1100sx "P+"/"P Neat" - circ 200sx

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

Liner top @ 4816'

DV tool @ 5,126"
Stage 1 - 414 sx "H", circ 75sx
Stage 2 - 1600 sx Lite/"H", circ 67 sx
DV tool sqzd w/100sx after failed Ptest

Armstrong Energy Corporation
Mobil Lea State #3

WIW

Unit M 990' FSL & 870' FWL
Section 2, T20S, R34E
Lea County, New Mexico

API Number 30-025-32105
State O&G Lease No. LG-2833

Downhole Injection

Equipment

2 3/8" 4.7# 8rd J-55 Modified
Polycore tubing
4" Arrow-set packer with on/off
tool set @ 5,555'KB in 18,000#
tension

Surface Production

Equipment

FG injection line, flowmeter

NOTES

Converted to injector 3/17/11
Tubing leak 11/14/12
Tubing leak 2/1/13
Tubing leak 5/14/13
2017 Apparent casing leak 5760'-5770'
Sqz'd perfs, ran liner, re-perf'd 5-2017
(original perfs circa 1993 - 5918'-5936',
in 1996 added 5578'-5726')

New 2 3/8" 4.7# 8RD J55 modified
polycore installed 8/2020

Yates - 2,880'

7 Rivers - 3,165'

Queen - 4,140'

Grayburg - 4,940'

Delaware - 5,110'

1st Sand - 5,622' to 5,744'

2nd Sand - 5,760' to 5,870'

3rd Sand - 5,894' to 6,098'

Liner Installed 2017

4" 13 CR-95 FL4S liner @ ~4816' with 2 3/8" modified polycore injection string
on 4" packer @ 5527', 15pts tension PBTD in liner is 6164'

New perfs thru liner (5/2017)

5578'-91' (21 shots)
5610'-23' (21 shots)
5632'-46' (21 shots)
5674'-26' (33 shots)
5720'-26' (9 shots)

STIMULATION

4000 gal 15% acid w/200 ball sealers
0.6% Fecontrol, 0.2% Claysta

New perfs thru liner (5-2017)

5918'-5936' 2spf 60" phasing
38 holes

2000 gal 15% NEFE, 6% Fecontrol,
0.5% scale inhib, 0.2% claysta

5 1/2" 15.5#/ft J-55 @ 6,300'
TD 6,300' PBTD 6,252'

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 30-025-32105
Property Name MOBIL LEA ST #3	Well No. #3

1. Surface Location

UL - Lot M	Section 2	Township 20S	Range 34E	Feet from 990	N/S Line FSL	Feet From 870	E/W Line FWL	County LEA
----------------------	---------------------	------------------------	---------------------	-------------------------	------------------------	-------------------------	------------------------	----------------------

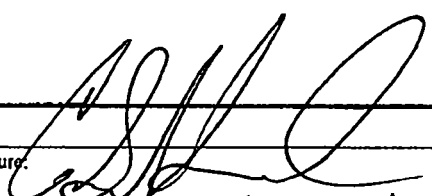
Well Status

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

OBSERVED DATA

	(A)Surface	(B)Interm(1)	(C)Interm(2)	(D)Prod Casing	(E)Tubing
Pressure	0	NA		0	320
Flow Characteristics					
Puff	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	CO2 WTR <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> Type of fluid Injected for Waterflood if applies
Steady Flow	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
Surges	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
Down to nothing	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
Gas or Oil	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
Water	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" 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@AFENM.com	
Date: 8/13/20	
Phone: (575) 626-7142	
Witness: NA COVID 19	

INSTRUCTIONS ON BACK OF THIS FORM

