

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

October 13, 2009

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-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-32105
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> HOBBS OGD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Armstrong Energy Corporation		6. State Oil & Gas Lease No. LG-2833
3. Address of Operator P.O. Box 1973, Roswell, NM 88202-1973		7. Lease Name or Unit Agreement Name Mobil Lea State
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		8. Well Number 3
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 001092
10. Pool name or Wildcat Lea Delaware, NE		

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 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"/>			
OTHER: <input type="checkbox"/>		OTHER: subsequent MIT test <input checked="" 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.

Please See Attached Report

**CHARTS ATTACHED

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 Engineering Specialist DATE 02/20/2020Type or print name Kyle Alperes E-mail address: kalpers@aecnrm.com PHONE: (575) 625-2222**For State Use Only**APPROVED BY: [Signature] TITLE CO DATE 2-27-20

Conditions of Approval (if any):



Armstrong Energy Corporation
PO Box 1973
Roswell, NM 88202
Phone: 575-625-2222
Fax: 575-622-2512

Mobil Lea State #3
API # 30-025-32105
900' FSL & 870' FWL; Section 2 T20S R34E
Workover Report

2/10/2020

RUPU (Ranger Well Service, Javier). Blow down tubing and casing down. ND Hanger Flange, NU BOP. Release packer, pull 10 stands. Reset packer @ 4846' (top of liner @ 48826'). RU Kill Truck. Pressure backside to 1000 PSI. Lost 40 PSI in 15 minutes. Release packer and TOH w/ tubing. TIH w/ 5 1/2" RBP, Arrow Set, 1 packer and 148 jnts, 2 3/8" tubing. Set RBP @ 4820'. Pressure up to 1000 PSI, lost 50 PSI in 15 minutes. Set packer @ 4790' and test plug to 1000 PSI, lost 20 PSI in 15 minutes. Pressure backside to 1000 PSI. lost 50 PSI in 15 minutes, release packer, pull 5 stands and set packer @ 4465'. Pressure up backside to 1000 PSI, lost 40 PSI in 10 minutes. Release packer and pull 10 stands, set packer @ 3816". Pressure backside to 1000 PSI, bleed off 40 PSI in 10 minutes. Release packer pull 10 stands, set packer @ 3167'. Pressure backside to 1000 PSI, lost 40 PSI in 10 minutes. Leave 950 PSI on backside. SISD

2/12/2020

CP still 650 PSI. Tie into tubing and pressure to 1000 PSI, no loss. Releaser packer, pull 10 stands, set packer @ 2516'. Pressure backside to 1000 PSI, bleed off 50 PSI in 15 minutes. Release packer, pull 5 stands, set packer @ 2190', pressure to 1000 PSI. loss 40 PSI in 10 minutes. Release packer, pull 5 stands, set packer @ 1865'. Pressure to 1000 PSI, no loss. Release packer, run 2 stands, set packer @ 1995'. Pressure to 1000 PSI. loss 40 PSI in 10 minutes. Pressure tubing to 1000 PSI, leaked 10 PSI in 25 minutes. Release packer, pull 1 stand, set packer @ 1930'. Pressure to 1000 PSI, bleed off 40 PSI in 10 minutes. Release packer, pull 1 jnt, set packer @ 1897'. Pressure backside to 1000 PSI, held ok. Pressure up tubing to 1000 PSI, bleed off 50 PSI in 15 minutes. Increased pressure to 1200 PSI, pumping into 1.25 BPM @ 1300 PSI. Release packer and set @ 1995'. Pressure up down tubing to 1050 PSI, held good. Casing good 1897' to surface, 1995' to RBP @ 4820'. Hole in casing 1897' to 1995'. TOH w/tubing and packer. SISD



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2/13/2020 Set wash up pit. Unload and tally 160 jnts 2 3/8" L-80 tubing (5066.83'). Pick up and TIH w/ 2 3/8"x5 1/2" retainer. RU (Par 5 Cementing). Pump 10 BBLs and clear pipe. Set retainer @ 1853'. Try to test tubing, leaking off. Pressure backside to 500 PSI, holding. Valve in retainer not holding. Sting out of retainer and TOH w/tubing. Pick up new stinger and TIH w/ tubing. Sting into retainer, pressure backside to 1300 PSI, held ok. Pump 10 BW w/ 2 gallons bioside down tubing. Injection rate 1.5 BPM @ 1200 PSI. Mix and pump 75 sxs Class C w/fluid loss and 75 sxs class C. SD and clean up. Pump 2 BBLs of displace @ 1/2 BPM @ 675 PSI. SD 5 minutes. Pump 1 BBLs of displace @ 1/2 BPM 960 PSI. SD 10 minutes. Pump 1 BBL of displace @ 1/2 BPM @ 1050 PSI. SD 30 minutes. Pump 1 BBL of displace @ 1/4 BPM @ 1140 PSI. SD 20 minutes. Pump 1/2 BBL of displace @ 1/4 BPM @ 1200 PSI. SD 20 minutes. Pump 1/2 BBL of displace @ 1/2 BPM @ 1325 PSI. Sting out and reverse 80 BW, 1 sxs cement. RD (Par 5). TOH and lay down 8 jnts tubing. SISD

2/14/2020 TOH w/ tubing. Pick up and TIH w/ 4 3/4" bit, bit sub, 6-31/2" DC, x-over, and tubing. Set Reverse Unit and hook up. SD

2/17/2020 Pick up 2 jnts and tag @ 1850'. PU Swivel. Start drilling on retainer @ 8:30 am, through the retainer @ 1:00 pm. Cement is gummy to 1906', started to harden up @ 1930'. TD today @ 1936'. Circulate clean. SISD

2/18/2020 Resume drilling cement. Fell out @ 1957'. Circulate clean @ 2030'. Pressure up to 1000 PSI, lost 30 PSI in 15 minutes. Bleed down to 600 PSI, lost 50 PSI in 15 minutes. Bleed to 0 PSI and SI. Building to 6 PSI in 15 minutes. Pressure to 620 PSI, 30 minutes no loss. Pick up and TIH w/ 87 jnts tubing. Tag RBP. Pressure to 600 PSI, 30 minutes no loss. Circulate sand off RBP. TOH w/ tubing. LD BHA. TIH w/ RBP overshot and tubing. SISD

2/19/2020 Run 2 more jnts and catch RBP. Release and TOH laying down tubing. RU Pipe Testers. TIH w/ 4" Arrow Set, 1 packer C-nickel plated, plastic coated 3.24 OD, profile nipple, w/ 1.50 F, on/off tool, and 170 jnts 2 3/8" tubing testing to 2000 PSI and 6500 PSI above slips. Replaced 2 jnts-bad pins. RD Testers. ND BOP, NU Hanger Flange. RU Kill Truck. Circulate packer fluid down backside, 117 BBLs. Pick up and set packer @ 5527' w/ 10 points tension. Flange up well head Pressure backside to 600 PSI, held for 35 minutes, no loss. Return to injection. SD

2/20/2020 RDPPU

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 SOUTH	Feet From 870'	E/W Line WEST	County LEA
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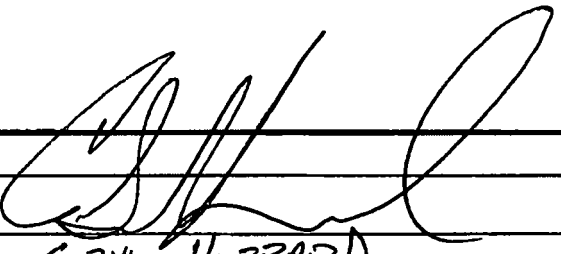
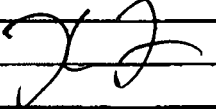
Well Status

TA'D WELL YES	NO	YES	SHUT-IN NO	INJ	INJECTOR SWD	OIL N/A	PRODUCER GAS	DATE 2/19/20
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OBSERVED DATA

	(A)Surface	(B)Interm(1)	(C)Interm(2)	(D)Prod Casing	(E)Tubing
Pressure	0	NA	NA	0	0
Flow Characteristics					NOT PNT
Puff	Y / N	Y / N	Y / N	Y / N	CO2
Steady Flow	Y / N	Y / N	Y / N	Y / N	WTR
Surges	Y / N	Y / N	Y / N	Y / N	GAS
Down to nothing	Y / N	Y / N	Y / N	Y / N	Type of fluid
Gas or Oil	Y / N	Y / N	Y / N	Y / N	Injected for
Water	Y / N	Y / N	Y / N	Y / N	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: CORY HUBBARD		Entered into RBDMS	
Title: FOREMAN		Re-test	
E-mail Address: CHUBBARD@AECNM.COM			
Date: 2/19/20	Phone: (575) 626-7142		
Witness:			

INSTRUCTIONS ON BACK OF THIS FORM