District I 1625 N. French D Phone: (575) 393- District II	r., Hobbs, NM	88240	00:18 AM		ate of New Prais and N		Resources		Page 1 Form C-1 Revised July 18, 20	
811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410			Energy Minerals and Natural Resources Oil Conservation Division						AMENDED REPORT	
					South St. I					
Phone: (505) 334- <u>District IV</u> 1220 S. St. Franci					nta Fe, NN					
Phone: (505) 476-				Sa	iita re, ini	1 0/505				
APPLI	CATIO	N FOR		O DRILL, RE-I	ENTER, I	DEEPEN	N, PLUGBAC			
	С	to ustan	^{1.} Operator Name i ' Gpgti {'Ec				32;	^{2.} OGRID Num 4	ber	
				m'PO":: 424			52/247	^{3.} API Numbe	er	
^{4.} Prope	erty Code			Ungfigicoogt"	ty Name		52/27/		Vell No.	
				^{7.} Surface	-					
UL - Lot I	Section 45	Township 3: U	Range 57G	Lot Idn Fee	et from	N/S Line Uqwj	Feet From 4532	E/W Line Gcuv	Ngc	
L	-тЈ	5.0	010	⁸ Proposed Bot	1332	1 0				
UL - Lot	Section	Township	Range	Lot Idn Fee	et from	N/S Line	Feet From	E/W Line	County	
L	45	3: U	57G	L 453	32 U	Jqwj	4532	Gcuv	Ngc	
				^{9.} Pool Infe	ormation					
			REEVES	BONE SPRING	G				Pool Code 51870	
				Additional We	ll Informati	ion				
Tgeqc	tk Type rngvg		^{12.} Well Type Qkn	^{13.} Cable/Rotary		Uvcvg 5:98		ound Level Elevation		
^{16.} M	ultiple		^{17.} Proposed Depth 9094	^{18.} For Dapeu	rmation rrtkpiu	^{19.} Contractor		20 Spud Date $1/29/18$		
Depth to Grou	ind water						ce to nearest surface water			
We will b	e using a c	losed-loop	system in lieu o	f lined pits						
			21.	Proposed Casing a	nd Cement	Program				
Туре	Hole	e Size	Casing Size	Casing Weight/ft	Set	tting Depth	Sacks of 1645	Cement	Estimated TOC	
Surf	17.5	5	13.375	54.5	193	1938			Surf	
Int	12.	25	9.625	40	4636	4636			Surf	
Prod 7.875 5.5			17/20	17/20 11381			1220 4416			
			Casiı	ng/Cement Program	n: Additiona	al Comme	nts			
			22.	Proposed Blowout	Prevention	Program				
	Туре			Working Pressure		Test Pr		M	lanufacturer	
Doub	Double Ram			0	3	3750			Shaffer	

^{23.} I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION		
I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.	Approved By:		
Signature:	P Kauta		
Printed name: Jeffery Tew	Title:		
Title: Operations Engineer	Approved Date: 11/23/2021 Expiration Date: 11/23/2023		
E-mail Address: jtew@aecnm.com			
Date: 11/2/21 Phone: 575-625-2222	Conditions of Approval Attached		

DISTRICT I 1625 N. FRENCH DR., H Phone: (575) 393-6161 Fe DISTRICT II 611 S. FIRST ST., AF Phone: (575) 748-1283 DISTRICT III 1000 RIO BRAZOS RE Phone: (505) 334-6176	RTESIA, NM Fax: (575) 744 D., AZTEC, N B Fax: (505)	M 87410 334-6170	DIL C	CONS 1220 S	& Natu ERV: OUTH	ural H ATIC ST. F	w Mexico Resources De DN DIVIS RANCIS DR. xico 87505	SION	Revised Au Submit one copy t	form C-102 agust 1, 2011 appropriate ct Office
DISTRICT IV 1220 S. ST. FRANCIS DR Phone: (505) 476-3460	R., SANTA FE, D Fax: (505)	NM 87505 476-3462	WELL LC	OCATION	AND	ACREA	GE DEDICATI	ON PLAT	□ AMEND	ED REPORT
API N 30-025-44	umber 1 295			Pool Code				Pool Name SONE SPRING	Ì	
Property Co 320513	ode			SLE		erty Nam MMER	E STATE		Well Num 1	lber
OGRID No. 1092			AR	MSTRON	-	ator Nam ERGY	e CORPORATIO	N	Elevation 3875.5'	
					Surfa	ce Loca	ation			I
UL or lot No.	Section	Township	Range	Lot Idn		om the	North/South line	Feet from the 0.710	East/West line	County
J	23	18-S	35-E			10	SOUTH	2310	EAST	LEA
UL or lot No.	Section	Township	Range Bottom	Hole Lo Lot Idn		om the	rent From Sur	Feet from the	East/West line	County
		r							,	5
Dedicated Acres	Joint o	r Infill Co	nsolidation	Code Or	rder No.			L		
NO ALLO	WABLE W						UNTIL ALL INTER APPROVED BY 7		EN CONSOLIDA	ATED
			· · · · · · · · · · · · · · · · · · ·	SURFAC Y=63 X=82 LAT.=32	83 NME 1275.3 N 0071.3 E 2.732137* 03.426897		 10'	I herein is true a my knowledge a organization eiti or unleased min including the pi or has a right location pursual owner of such n or to a voluntar compulsory populsory populsory populsory populsory Signature Kale A Printed Name E-mail Address SURVEYOD shown on this p notes of actual under my super true and correct NOVEM Da Signature & Se	Da Da Da Da Da Da Da Da Da Da Da Da Da D	vermation e best of this this e location this th an interest, interest, interest, nt or a re entered 1/17 te 100N 1 location m field ne or e same is v belief. 7 Surveyor 27/16 17777

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State of New Mexico Energy, Minerals and Natural Resources Department							nit Electronically E-permitting
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505							
		ATURAL GA					
This Natural Gas Manag	gement Plan m				Drill (Al	PD) for a new o	r recompleted well.
			<u>– Plan D</u> ective May 25.	<u>escription</u> 2021			
I. Operator: Armstro	ong Energy	Corporation	_OGRID: 1	092			<u>18 / 21 </u>
II. Type: 🛛 Original 🛛] Amendment	due to □ 19.15.27.9.	D(6)(a) NMA	C 🗆 19.15.27.9.D(6)(b) N	MAC 🗆 Other.	
If Other, please describe	:						
III. Well(s): Provide the be recompleted from a s					wells pr	oposed to be dr	illed or proposed to
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D		cipated MCF/D P	Anticipated roduced Water BBL/D
Sledgehammer State 1	3002544295	UL J Sec 23 T18S R35	5E 2310' FSL 2310' FEL	65		10	0
IV. Central Delivery P V. Anticipated Schedu proposed to be recomple	le: Provide the	following information	on for each nev	v or recompleted w	vell or se	L	7.9(D)(1) NMAC] osed to be drilled or
Well Name	API	Spud Date	TD Reached Date	Completion Commencement		Initial Flow Back Date	First Production Date
Sledgehammer State 1	3002544295	1/29/2018		12/15/2021		12/15/2021	
VI. Separation Equipn VII. Operational Prac Subsection A through F	tices: ☑ Attac of 19.15.27.8	h a complete descrip	otion of the ac	tions Operator wil	l take to	o comply with t	he requirements of

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Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

 \square Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. \Box Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system \Box will \Box will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator \Box does \Box does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

□ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: \Box Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

<u>Section 3 - Certifications</u> <u>Effective May 25, 2021</u>

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

 \square Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

 \Box Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. *If Operator checks this box, Operator will select one of the following:*

Well Shut-In. \Box Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. \Box Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:
Printed Name: Jeffery Tew
Title: Operations Engineer
E-mail Address: jtew@aecnm.com
Date: 11/18/2021
Phone: 575-625-2222
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Approved By:
Approved By: Title:
Approved By: Title: Approval Date:
Approved By: Title: Approval Date:



NATURAL GAS MANAGEMENT PLAN ATTACHMENTS:

VI: Description of how Armstrong Energy Corporation will size separation equipment to optimize gas capture.

Separation equipment will be sized by Armstrong Energy Corporation's engineering staff based on anticipated volumes to allow adequate retention time of the produced fluids within the vessel.

VII: Descriptions of the actions Armstrong Energy Corporation will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC

- A. Armstrong Energy Corporation will maximize the recovery of natural gas by minimizing waste of natural gas through venting and flaring. AEC will ensure that our wells will be connected to a natural gas gathering system with sufficient capacity to transport 100% of the produced natural gas. Should a natural gas gathering system be unfeasible, an alternative beneficial use will be found for the gas.
- B. All drilling operations will be equipped with a properly sized flare stack located at least 100 feet from the surface hole location. The flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency or malfunction, any flared volumes will be reported appropriately.
- C. During completion operations any natural gas produced by the well will be flared. Following completion and flowback operations, the production stream will flow to portable separation equipment until well facility is completed, at which point fluids will be directed to permanent separation equipment. The separated natural gas will be sent to a gas gathering line. If the natural gas does not meet gathering pipeline specifications, gas will be flared for 60 days or until the gas meets pipeline specifications. The flare stack will be properly sized and equipped with an automatic igniter or continuous pilot. Gas samples will be taken twice per week and natural gas will be routed into a gathering system as soon as the pipeline specifications are met.
- D. During production operations natural gas will not be flared unless an exception as listed in 19.15.27.8(D)(1-4) is met. If there is no adequate takeaway for the produced natural gas, the well will be shut-in until a gas gathering system or alternative beneficial use is available, with exception of emergency or malfunction situations.
- E. Armstrong Energy Corporation will comply with performance standards as listed in 19.15.27.8(E)(1-8). All equipment will be designed and sized to handle maximum pressure in order to minimize waste. Storage tanks that are routed to a flare or other control device will be equipped with automatic gauging systems to reduce venting of natural gas. Flare stacks will be equipped with an automatic ignitor or continuous pilot. AEC conducts AVO inspections as



described in 19.15.27.8(E)(5)(a) at frequencies specified in 19.15.27.8(E)(5)(b) and (c). All emergencies or malfunctions will be resolved as quickly and safely as possible to minimize waste.

F. The volume of natural gas that is vented, flared or beneficially used during drilling, completion, or production operations, will be measured or estimated and reported accordingly. AEC will install equipment to measure the volume of natural gas flared from a facility associated with a well authorized by an APD after May 25, 2021 that has an average daily production greater than 60,000 cubic feet of natural gas. If metering is not practicable due to circumstances such as low flow rate or low pressure venting or flaring, AEC will estimate the volume of flared or vented natural gas. Measuring equipment will conform to industry standards and will not be equipped with a bypass around the metering element except for the sole purpose of inspecting and servicing the metering equipment.

VIII: Description of Armstrong Energy Corporation's best management practices to minimize venting during active and planned maintenance.

For active and planned maintenance activities, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production equipment, the producing well associated with the equipment will be shut-in to prevent venting.

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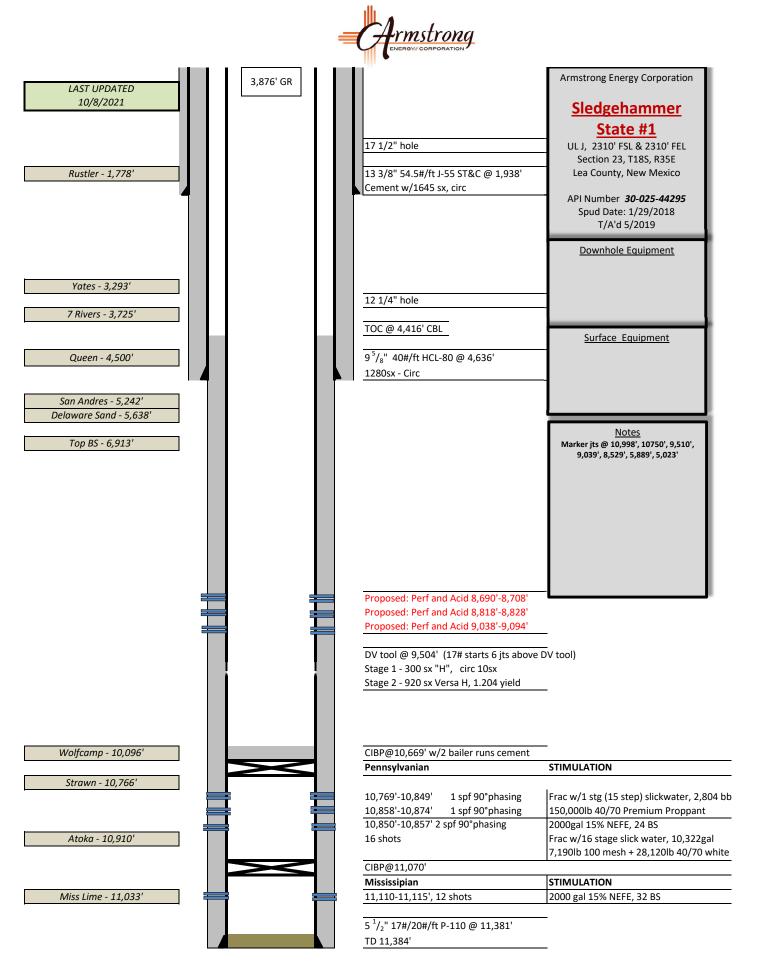
rmstrong

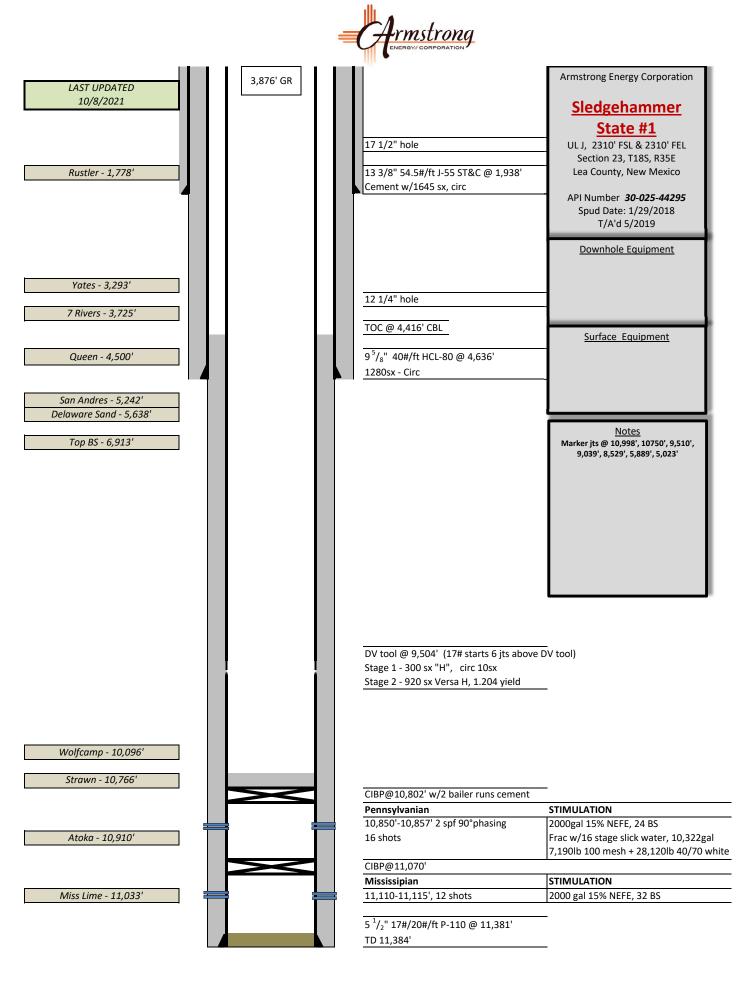
Armstrong Energy Corporation PO Box 1973 Roswell, NM 88202 Phone: 575-625-2222 Fax: 575-622-2512

Sledgehammer State #1 API 30-025-44295 Section 23 T18S R35E 2310' FSL & 2310' FEL Lea County, NM

Anticipated Plugback, Completion and Stimulation Procedure, with planned start date of 12/15/21

- 1. RU PU, ND WH, install BOP
- 2. TIH w/tbg open ended and tag plug at 10,669', circulate hole clean.
- 3. TOH standing back until EOT is at 9094', spot 200 gallons 15% NEFE acid, TOOH w/tubing.
- 4. RU WL and TIH, tie in and perforate 9,038' 9,094', 2 spf.
- 5. POOH with guns and RD WL, TIH w/tubing and 5.5" packer.
- 6. NDBOP, NU hanger flange and set packer @ 8,994'. Flange up and pressure up BS, pump down tubing to put away shot acid. Note any breaks.
- 7. Rig up swab.
- 8. Swab test new interval if commercially viable produce, if marginally productive set CIBP and move to next Bone Spring interval at 8,818'-8,828'.
- 9. Repeat acidization process, test interval, if commercially viable produce, if marginally productive set CIBP and move to final Bone Spring interval at 8,690'-8,708'
- 10. Repeat acidization process, test interval and evaluate for further stimulation or installation of artificial lift equipment.





District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:		
ARMSTRONG ENERGY CORP	1092		
P.O. Box 1973	Action Number:		
Roswell, NM 88202	62682		
	Action Type:		
	[C-101] Drilling Non-Federal/Indian (APD)		

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	11/23/2021

CONDITIONS

Page 12 of 12

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Action 62682