ved by OCI District I 1625 N. French Di					State	of New M	lexico			Page 1 o Form C-101		
Phone: (575) 393- District II				Energ	v Mineral	rals and Natural Resources					Revised July 18, 201	
811 S. First St., Au Phone: (575) 748-					-						AMENDED REPORT	
District III 1000 Rio Brazos F						ith St. Fra						
District IV								•				
1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 Santa Fe, NM 87							5/303					
APPLI	CATIO	N FOR	PERMIT T	O DRILI	. RE-EN	TER. DF	CEPEN.	PLU	GBACI	K. OR AD	D A ZONE	
			^{1.} Operator Name a	and Address				,		^{2.} OGRID Num		
Armst	rong Er	ergy Co	orporation, P	O Box 192	73, Roswe	ell, NM 88	3202			92 ^{3.} API Numbe	er	
^{4.} Prope	erty Code		Volleyball	State	^{3.} Property N	ame			30-00	<u>5-63887</u> 001 ^{° v}	Vell No.	
			v one your		Surface Lo	action				001		
UL - Lot	Section	Township	Range	Lot Idn	Feet fro	1	/S Line	Fee	t From	E/W Line	County	
Р	2	12S	26E		660		outh	66	0	East	Chaves	
UL - Lot	C	Terretie	Danas	-	Feet fro			E	- Francis	FAV L	Country	
UL - Lot	Section	Township	Range	Lot Idn	Feet Ind	om in	/S Line	Fee	t From	E/W Line	County	
Sand)	1.0			Pool Inform	nation					Pool Code	
Sand I	Draw; A	.00			Joi i tuine						97418	
				Additio	onal Well I							
$\mathbf{P}^{^{11}}$ Wor	k Type		G ^{12.} Well Type		^{13.} Cable/Ro R	btary ^{14.} Lease Type ^{15.} Ground Level Elevation State 3675						
^{16.} Mu N	ultiple		^{17.} Proposed Depth 4915		^{18.} Format Abo	ion	^{19.} Contractor ^{20.} Spud Date			^{20.} Spud Date		
Depth to Grou	nd water			nce from neare		well		Distance to nearest surface water			e water	
We will b	e using a c	losed-loop	system in lieu of	f lined pits								
	0		•	Proposed C	Casing and	Cement Pr	ogram					
Туре	Hole	e Size	Casing Size		Weight/ft		g Depth		Sacks of C	ement	Estimated TOC	
Surf	17.	.5	13.375	48	-	40			25		0	
Surf	12.	25	8.625	24		1075	5	3	390 + 20	0 sx	0	
Prod	7.8	75	5.5	17		5,45	0	5	500 sx +	300 sx	330	
			Casin	g/Cement H	Program: A	dditional (Comment	ts				
			22.	Proposed B	Blowout Pre	evention Pr	ogram					
Type Working Pressure			Test Pressure Manufacturer			lanufacturer						
Double	eRam		5	000								
23			· · ·									
best of my kn	owledge an	d belief.	on given above is t			OIL CONSERVATION DIVISION						
l further cert 19.15.14.9 (B			ied with 19.15.14.9 able.	O (A) NMAC	and/or	Approved By:						
Signature: (ry Te										

Printed name Jeffery Tew		Title:	
Title: Operations Engineer	ſ	Approved Date:	Expiration Date:
E-mail Address: jtew@aecnm	.com		
Date: 7/13/2022	Phone: 575-625-2222	Conditions of Approval Attached	

BRUCE STUBBS

District I 1625 N. French Dr., Habbe, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District IU 1000 Rio Brazoa Rd., Astec, NM 87410 District IV	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies
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1220 S. St. Francis Dr., Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION	AND ACREAGE	DEDICATION PLAT

1	API Number 005-6388			* Pool Code 9741	1	Sand Draw, Abo				
Property	Code	Property Name							Well Number	
					Volleyball	State		{	1	
OGRID	No.				⁸ Operator 1	Name			Flevation	
109	2			1	Irmstrong Energy	Corporation			3675	
L <u>aag</u>					¹⁰ Surface	Location				
UL. ar lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South fine	Fret from the	East/West line	County	
l r	2	125	26E	l	660	South	660	Eust	Chaves	
			II BO	ttom Ho	le Location I	f Different From	m Surface			
UL or lat no.	Section	Township	Range	Lot Ide	Feet from the	North/South line	Feet from the	East/West fine	County	
li				· · · · · · · · · · · · · · · · · · ·						
12 Dedicated Acr	es 13 Joint o	r Infill	consulidation	Code 10 0	rder No.					
160										
1	·····					·····	·····	and the second		

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained instein is true and complete to the heat of my knowledge and belief, and that this organization elder runns a working tracest or unleasted mineral interest in the loss lincitating the proposed bostom hole location or test a right to drill this well at this location personant to a contract with an owner of such a mineral or working interest, or in a wohencary pouling agreement of a computerary pooling order by the personal basis of the principly.
		Signature Drive Bruce A. Stubbs Frinted Marry
	Léase No.: VO-07831	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 11/28/06 Date of Survey ON MELL
	<u>660 '</u>	Late of Survey Company of Marken Survey Company and Seal of Reference Survey Company of



NATURAL GAS MANAGEMENT PLAN ATTACHMENTS:

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

Armstrong Energy Corporation will utilize a separator of sufficient size to allow adequate retention time of the production stream for separation of gas and fluids based on the lowest possible operating pressure determined by the gas sales line pressure downstream of the vessel. The separator size determination will be made either by typical engineering calculations or operational experience. By operating the separator at the lowest operable pressure AEC will ensure maximum capture of produced gas for sales into the pipeline. Should the line pressure downstream of the separator be too high to ensure good separation, AEC has the ability to utilize low suction pressure compressors to aid in separation and gas capture where applicable.

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.

XI: Map

Map shown below displays the location of the well (labeled in Section 2) and the existing gas pipeline (pink line). The metered gas connection is on the well pad. Since this is not a new well the gas connection and the associated pipeline have been in place since 2007. The existing pipeline and connection has more than adequate capacity for the planned gas production, as this well has produced from the proposed interval in the past into the existing pipeline. We have produced as much as 700mcfd into this pipeline without issue, and we anticipate a gas rate not to exceed 100mcfd from our proposed recompletion. The existing buried pipeline travels East approximately 600 feet from the well pad before turning north and leading to IACX's gathering system approximately 15 miles away in the Red Bluff area.





XI: Operator's plan to manage production in response to the increased line pressure.

This well has produced into this line previously at a rate of up to 700mcfd, and has not had any trouble nor reduced production or increased waste as a result of any increase in line pressure. The location is fairly remote and the system has historical production tied into it that has declined considerably from what the gathering system was originally designed for in terms of volume and pressure. We do not anticipate our recompletion to increase line pressure dramatically.

Received by OCD: 7/13/2022 9:40.):58 AM	И
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		ıbmit Electronically ia E-permitting					
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505							
This Natural Gas Mana		Section		tion for Permit to I escription		PD) for a new	or recompleted well.
I. Operator:Arms	trong Energy C	orporation	OGRID:	1092		Date: 07	/ 26 / 22
 II. Type: ☑ Original □ Amendment due to □ 19.15.27.9.D(6)(a) NMAC □ 19.15.27.9.D(6)(b) NMAC © ther. If Other, please describe:							
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D		icipated MCF/D	Anticipated Produced Water BBL/D
Volleyball State #1	30-005-63887	P Sec 12-12S-26E	600' FEL 600' FSL				
IV. Central Delivery Point Name: IACX Gathering Point Section 10 Chaves County, NM [See 19.15.27.9(D)(1) NMAC] V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point. Well Name API Spud Date TD Reached Completion Initial Flow First Production							
		-	Date	Commencement	Date	Back Date	Date
Volleyball State #1	30-005-63887	N/A	N/A	9/1/2022		9/1/2022	9/1/2022
 VI. Separation Equipment:							

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.

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 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 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: 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:

 \Box 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. 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: Kyle Alpers
Printed Name: Kyle Alpers
Title: VP of Engineering
E-mail Address: kalpers@aecnm.com
Date: 7/26/2022
Phone: 575-625-2222
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Approval Date: Conditions of Approval:

Page 10 of 14

Received by OCD: 7/13/2022 9:40:58 AM Armstrong Energy Corporation Volleyball State #1 660' FSL & 660' FEL Sec. 2-T12S-R26E Chaves County, New Mexico

Hydrogen Sulfide Plan

Offset wells have not reported hydrogen sulfide in concentration in excess of 100 ppm. As per Rule 118.C.2, no further action is necessary.

As a precautionary measure, a H_2S monitor will be maintained on the rig floor to alert personnel to unanticipated H_2S buildup at the bell nipple and rig floor. Should H_2S be detected, a Hydrogen Sulfide Plan will be implemented.

Should you have any questions concerning this well, please call me at 505-625-2222.

Sincerely, Armstrong Energy Corporation

By: <u>Bruce A. Stubbs</u> Vice President - Operations

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District II Energy Mi 1301 W. Grand Avenue, Artesia, NM 88210 Oil C District III Oil C 1000 Rio Brazos Road, Aztec, NM 87410 1220 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Sat Pit or Below-Gra Is pit or below-grade tam	ate of New Mexico nerals and Natural Resources Conservation Division South St. Francis Dr. anta Fe, NM 87505 <u>de Tank Registration or C</u> k covered by a "general plan"? Yes or below-grade tank X Closure of a pit or be	es 🗌 No X			
Operator: Armstrong Energy Corporation	one: <u>505-625-2222</u> e-mail address: <u>bastubbs@zianet.com</u> <u>XXXXX</u> U/L or Qtr/Qtr <u>P</u> Sec <u>2</u> T <u>12S</u> R <u>26E</u> Longitude NAD: 1927 [] 1983 []				
Pit Type: Drilling X Production Disposal Workover Workover Emergency Lined X Unlined Disposal D	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes If not, explain why not.				
high water elevation of ground water.) Sec. 12-T12S-R26E, 130' Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	50 feet or more, but less than 100 feet 100 feet or more Yes No	(10 points) (0 points) XXX (20 points) (0 points) XXX			
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet(20 points)200 feet or more, but less than 1000 feet(10 points)1000 feet or more(0 points) XXXRanking Score (Total Points)0 Points				
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite offsite If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No Yes If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: The reserve pit will be constructed with a depth of approximately 10 feet and lined with a 20 mil liner. Closure will occur with in 6 months of the					

conclusion of drilling/completion operations. Fluids will be allowed to evaporate or will be removed prior to closing. A 20 mil liner will be placed over the pit contents with a minimum of 3 feet of overlap of the underlying pit area. The pit area will be back filled back to grade with a minimum of 3 feet of clean soil and like material. A 48 hour notice prior to closure will be given to the Artesia Oil Conservation Division Office and New Mexico One Call.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Date: 1-4-07 Printed Name/Title BRUCEA. Stubbs ENGINEER Signature

D

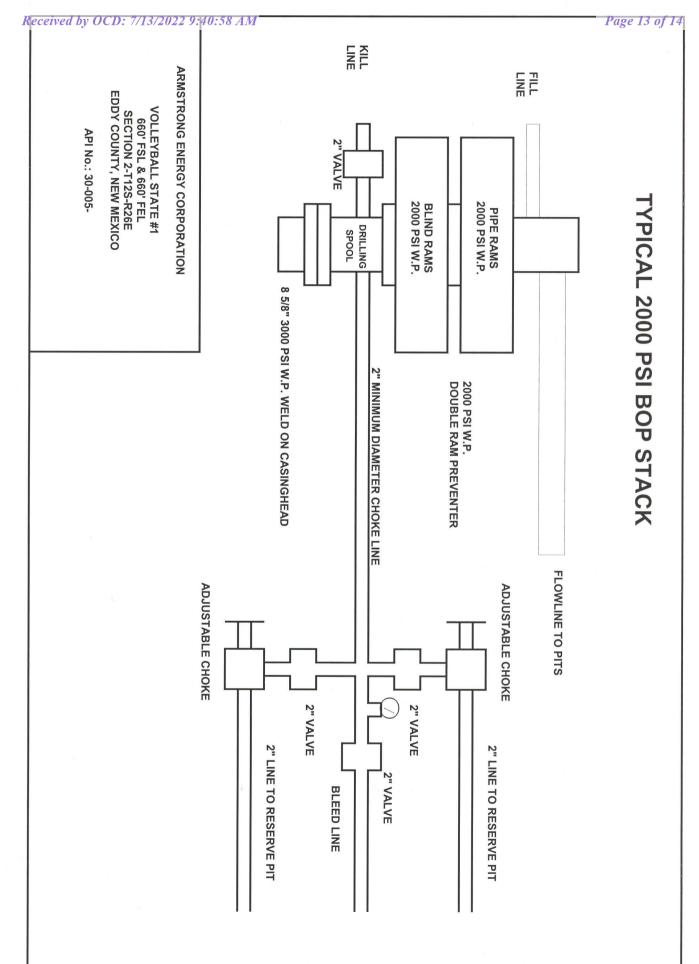
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title Released to Imaging: 8/4/2022 7:20:57 AM Signature

Date:

Received by OCD. FORMATION TOPS	: 7/13/2022 9:40:	58 AM FORMATION	DEPTH	Page 12 of 14 SUBSEA
*	K.B. Queen		0 370	3700 3330
	Penrose		570	3130
	Grayburg		770	2930
	San Andres		1010	2690
	Glorieta		2200	1500
	Yeso		2310	1390
	Tubb		3660	40
	Abo		4410	-710
	Wolfcamp		5060	-1360
	Wolfcamp "B"		5150	-1450
	Zone Wolfcamp - Cisco		5240	-1540
	Strawn		6110	-2410
	Siluro-		6240	-2540
	Devonian			
B.O.P. PROGRAM:		2000 PSI W.P. Nippled up on 8 5/*" casing		
		1000 PSI TEST PRESSURE		
		Maximum allowable shut-in pressure 300 psi. (8 5/8" shoe rating)		BHP 2500 psi
		shoe raung)	/8" BHP 2500 psi AT 6200 FT.	
HYDOGEN SULPHIDE		OFFSET WELLS HAVE NOT REPORTED		
		HYDROGEN SULPHIDE IN CONCENTRATIONS		
		IN EXCESS OF 100 PPM. AS PER RULE 118.C.2, NO FURTHER ACTION IS NECESSARY.		
		NOT ORTHER ACTION IS NECESSART.		
		AS A PRECAUTIONARY MEASURE, A H2S		
×		MONITOR WILL BE INSTALLED ON THE RIG FLOOR TO ALERT PERSONNEL TO		
		UNANTICIPATED H2S BUILD UP AT THE BELL		
		NIPPLE AND RIG FLOOR.		
	•	SHOULD H2S BE DETECTED A H2S PLAN WILL BE		
		IMPLEMENTED		



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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	124926
	Action Type:
	[C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By		Condition Date			
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/4/2022			

CONDITIONS

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Action 124926