

District I1625 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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170**District IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462**State of New Mexico****Energy Minerals and Natural Resources****Oil Conservation Division****1220 South St. Francis Dr.****Santa Fe, NM 87505**Form C-101
Revised July 18, 2013☐ AMENDED REPORT**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address Armstrong Energy Corporation PO Box 1973, Roswell NM 88202		² OGRID Number 1092
		³ API Number 30-025-36923
⁴ Property Code 33688	⁵ Property Name Hilburn	⁶ Well No. 004

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	13	16S	35E		335	North	1738	West	Lea

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

⁹ Pool Information

Shoe Bar; Wolfcamp, North	¹⁰ Pool Name	¹¹ Pool Code 56295
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Additional Well Information

¹² Work Type P	¹³ Well Type O	¹⁴ Cable/Rotary R	¹⁵ Lease Type P	¹⁶ Ground Level Elevation 3969' GR
¹⁷ Multiple N	¹⁸ Proposed Depth 11280'	¹⁹ Formation Wolfcamp	²⁰ Contractor 11/5/04	²¹ Spud Date 11/5/04
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits**²² Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5"	13.375"	48#	445'	402sx	0'
Int	11"	8.625"	32#	4334'	1140sx	0'
Production	7.875"	5.5"	17#	11500'	321sx	9336'

Casing/Cement Program: Additional Comments

Plugback, casing program is in place

²³ Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular & Double Ram	5000	5000	

²⁴ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

*Kyle Alpers*Printed name: **Kyle Alpers**Title: **VP Engineering**E-mail Address: **kalpers@aecnrm.com**Date: **11/6/20**Phone: **575-625-2222****OIL CONSERVATION DIVISION**

Approved By:

R. G. Kuntz

Title:

Approved Date: **12/01/2020**Expiration Date: **12/01/2022**

Conditions of Approval Attached

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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 August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

(Plugback and add Wolfcamp)

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-36923	² Pool Code 56295	³ Pool Name Shoe Bar; Wolfcamp, North
⁴ Property Code 33688	⁵ Property Name Hilburn	
⁷ OGRID No. 1092	⁸ Operator Name Armstrong Energy Corporation	⁶ Well Number 4
		⁹ Elevation 3969'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	16S	35E		335'	North	1738'	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

<p>Lat: N32 55' 42.1" Long: W103 24' 50.4"</p>	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	Signature 	Date 11/9/20
	Printed Name Kyle Alpers	
	E-mail Address kelpers@aecnrm.com	
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i>	
	Date of Survey 7/7/04	
	Signature and Seal of Professional Surveyor: Original survey by Gary L. Jones #7977 is on file with NMOCD	
	Certificate Number	



Hilburn #4
 API 30-025-36923
 Section 13 T16S R35E
 335' FNL & 1738' FWL
 Lea County, NM

Anticipated Plugback and Stimulation Procedure.

1. SI well, MIRU pulling unit, blow down if necessary.
2. Disconnect surface equipment and prepare wellhead for removal, kill well with brine if needed.
3. ND wellhead and NU BOP. Test BOP.
4. Unseat packer and TOO H w/2.875" tubing, testing on way out, LD bad joints, tally and PU replacement joints as necessary.
5. TIH w/tbg, 4 3/4" bit & scraper, clean down to just above existing perfs @ 11,332'.
6. MIRU WL, run casing integrity log.
7. WL set CIBP @ 11,300', dump bail 20' cement on plug. RDWL. ND BOP.
8. Install 10k frac tree/test day prior to frac fleet arrival
9. MIRU tanks, water transfer, frac, and wireline
10. Perform perforations and fracturing procedure as per design on the following intervals:

Top Perf	Bottom Perf	No. of Holes
10,096'	10,283'	18
10,632'	10,707'	30
10,736'	10,836'	30
10,842'	10,955'	30
10,990'	11,062'	36
11,088'	11,201'	36

11. RDMO frac equipment, WL, and unnecessary tanks for drillout
12. RD crown valve and goat head
13. MIRU and test 2 3/8" CT w/mechanical connection
14. RU mechanical coil connector, dual BP valve, hydraulic disconnect, motor, 4 3/4" bit
15. Drill out frac plugs (circulating), tag TOC above strawn plug @~11,300', circulate bottoms up, TOO H
16. RDMO CT unit
17. MIRU WL, set Arrowset packer with burst disc and on/off tool @ 10,700'
18. RDMO WL, frac tree
19. MIRU BOP and WO rig, test BOP and accumulator
20. RIH w/tubing/SN, sting into packer
21. Space out tubing, ND BOP, NU wellhead/production tree
22. RDMO pulling unit, clean location
23. MIRU flowback equipment (choke manifold, sand knockout, etc.), capable of RDMO w/out SI
24. Proceed with natural flowback, assess production for economics and install of artificial lift.



