

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

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103

Revised August 1, 2011

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. 30-015-34448
1. Type of Well: Oil Well      Gas Well      X Other		5. Indicate Type of Lease STATE      FEE
2. Name of Operator Armstrong Energy Corporation		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 1973, Roswell, NM 88202-1973		7. Lease Name or Unit Agreement Name Henshaw Federal 23      NMLC 064637
4. Well Location Unit Letter      :      660      feet from the      North      line and      1980      feet from the      East      line Section      23      Township      16S      Range      30E      NMPM      Eddy      County		8. Well Number 001
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 1092
		10. Pool name or Wildcat Henshaw; Wolfcamp

## 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      XX
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: <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.

SEE ATTACHED

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 10/2/2024

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

APPROVED

BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_ Conditions  
 of Approval (if any):

Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT
**SUNDRY NOTICES AND REPORTS ON WELLS**  
 Do not use this form for proposals to drill or to re-enter an  
 abandoned well. Use Form 3160-3 (APD) for such proposals.
5. Lease Serial No.  
NMLC 064637

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well    ☒ Gas Well    ☐ Other
2. Name of Operator  
Armstrong Energy Corporation3a. Address  
PO Box 1973, Roswell, NM 88202-19733b. Phone No. (include area code)  
575-625-2222 ext 305

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Henshaw 23 Federal #19. API Well No.  
30-015-34448 -00-S110. Field and Pool or Exploratory Area  
Henshaw; Wolfcamp4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Section 23, T16S R30E NWNE 660' FNL 1980' FEL11. Country or Parish, State  
Eddy County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

- 1 Set CIBP @8262' and cap with 25sx cement, WOC & tag
- 2 Set 25sx plug @ 7600' at TOC
- 3 Set 40sx plug through perforations @ 3865' across 8 5/8 casing shoe
- 4 Set 25sx plug @ 1,967' , 50' above top of salt
- 5 Set surface plug
- 6 Install dry hole marker (4" diameter, 4' tall above ground)

See Attached Changes

Bureau of Land Management  
RECEIVED

JAN 31 2022

Carlsbad Field Office  
Carlsbad, NMSEE ATTACHED FOR  
CONDITIONS OF APPROVALRECLAMATION PROCEDURE  
ATTACHED14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)

Jeffery Tew

Title Operations Engineer

Signature

Jeffery Tew

Date 01/25/2022

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James A. Amos

Title

SAET

Date

2-2-22

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Armstrong Energy Corporation  
PO Box 1976  
Roswell, NM 88202-1976

NMLC064637, Henshaw 23 Federal 1  
660' FNL, 1980' FEL, Sec 23, T16S-R30#  
Eddy County, New Mexico

The following changes have been made to your plugging procedure as Conditions of Approval:

1. Set CIBP @ 8262' and cap with 25 sx Class H cement. WOC and tag.
2. Spot 25 sx Class H cement plug from 7736' – 7556' (covers top of Wolfcamp).
3. Add perforations @ 6420', sqz Class C cement to 6260' (covers top of ABO). WOC tag.
4. Add perforations @ 4502', sqz Class C cement to 4362' (covers top of Glorietta). WOC tag.
5. Perforate @ 3865', sqz Class C cement to 3725' (8 5/8" shoe). WOC tag.
6. Perforate @ 1520', sqz Class C cement to 1420' (covers base of Salt). WOC tag.
7. Perforate @ 400', sqz Class C cement to surface.
8. Install dry hole marker, 3' below ground. Leave as a below ground marker for Lesser Prairie Chicken habitat.

If any questions, contact Jim Amos @ 575-361-2648.

Well Name: HENSHAW 23 FEDERAL	Well Location: T16S / R30E / SEC 23 / NWNE /	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC064637	Unit or CA Name:	Unit or CA Number:
US Well Number: 300153444800S1	Well Status: Producing Oil Well	Operator: ARMSTRONG ENERGY CORP

#### Notice of Intent

Sundry ID: 2655364

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 02/02/2022

Time Sundry Submitted: 11:10

Date proposed operation will begin: 05/02/2022

Procedure Description: See attached

#### Surface Disturbance

Is any additional surface disturbance proposed?: No

#### Oral Submission

Oral Notification Date: Jan 25, 2022

Oral Notification Time: 12:00 AM

Contacted By: Jeffery Tew

Comments: See attached.

#### NOI Attachments

Procedure Description

DOC020\_20220202110906.PDF

Well Name: MENS HAW 23 FEDERAL

Well Location: T16S / R30E / SEC 23 / NWNE /

County or Parish/State: EDDY / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC064637

Unit or CA Name:

Unit or CA Number:

US Well Number: 300153444800S1

Well Status: Producing Oil Well

Operator: ARMSTRONG ENERGY CORP

#### BLM Point of Contact

BLM POC Name: JAMES A AMOS

BLM POC Title: Acting Assistant Field Manager

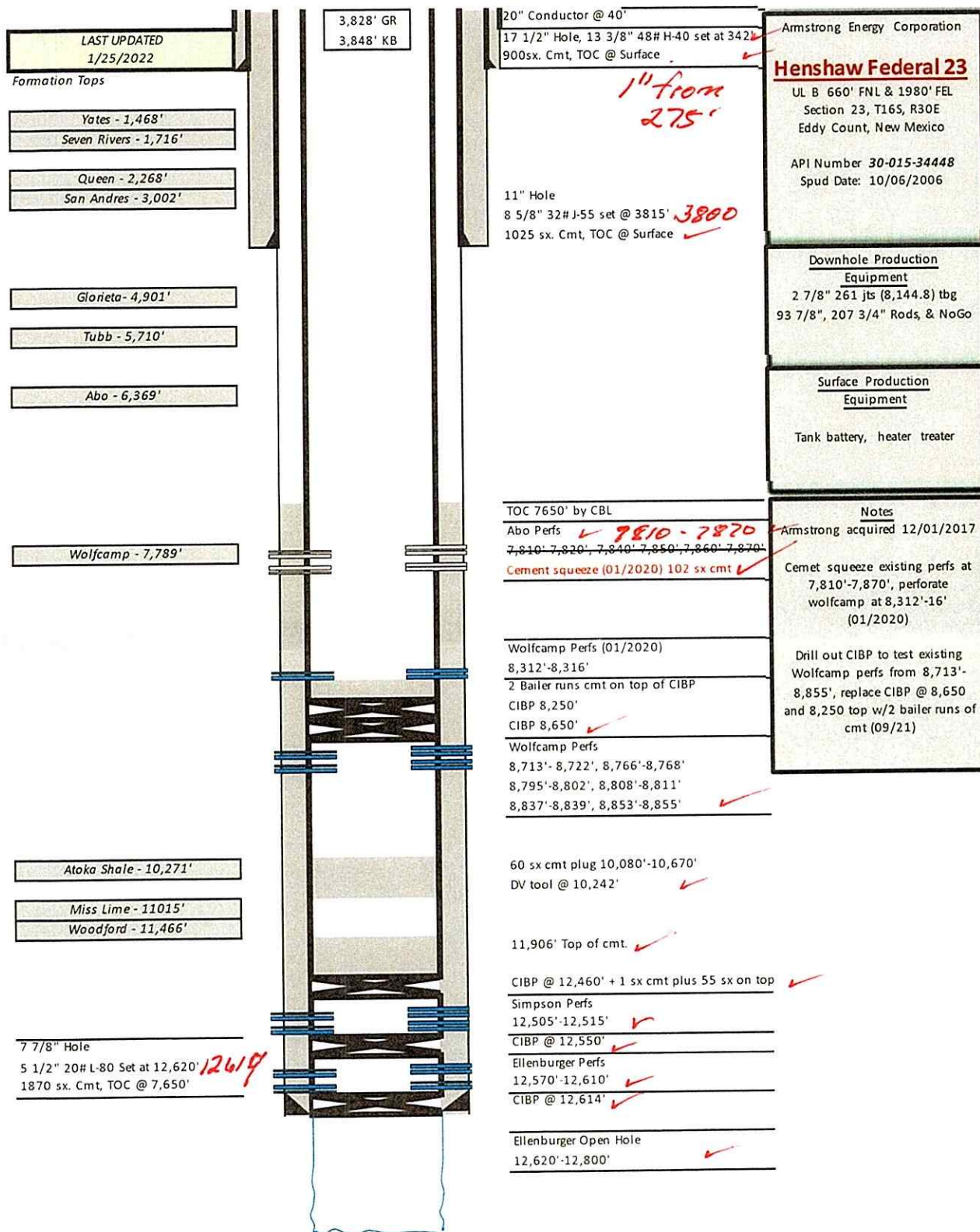
BLM POC Phone: 5752345927

BLM POC Email Address: jamos@blm.gov

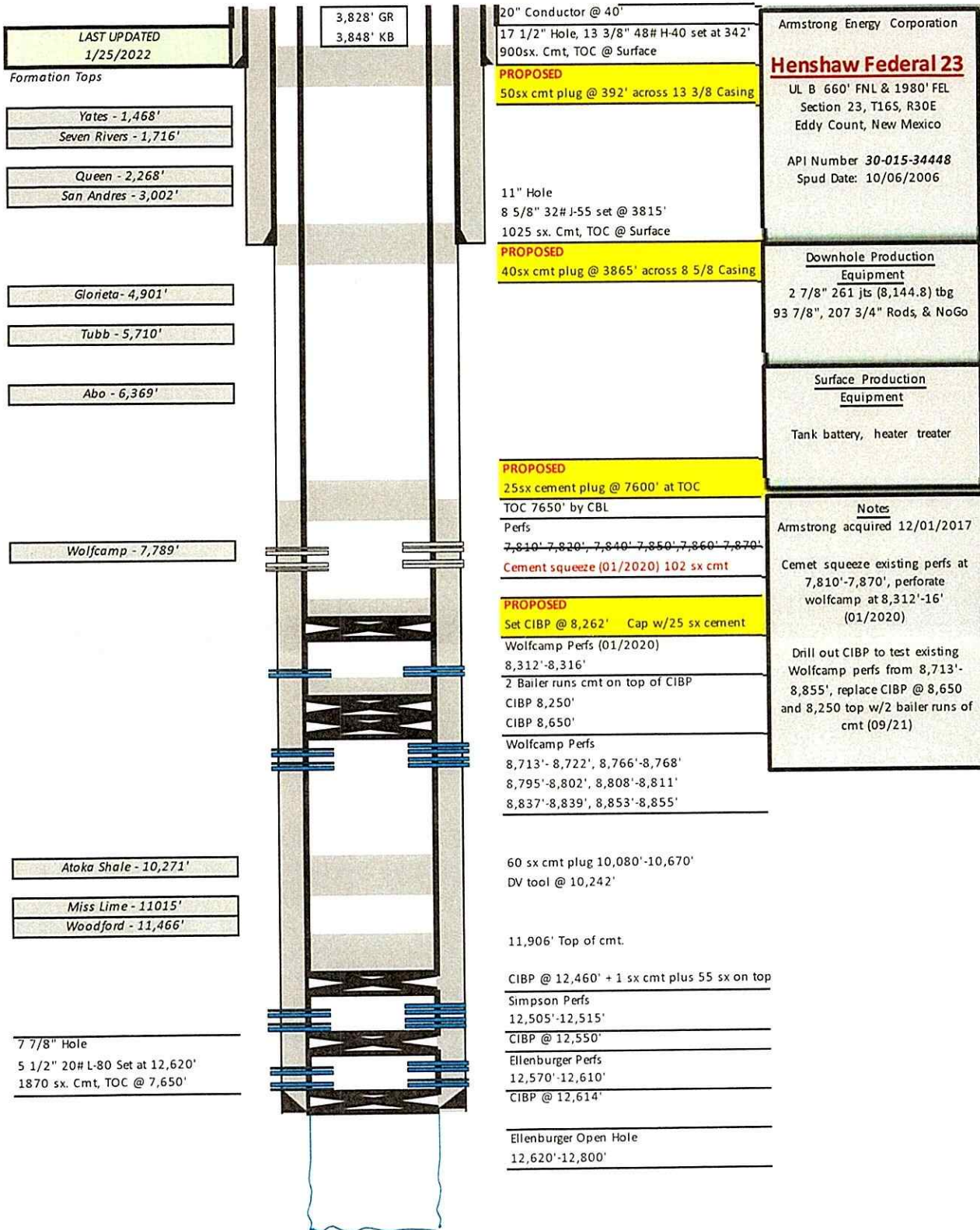
Disposition: Approved

Disposition Date: 02/02/2022

Signature: James A. Amos



Yates 1470  
7R 1716  
SR 3004  
Glorieta 4452  
Tubb 5714  
ABO 6370  
WC 7684  
ST 10063  
AT 10310  
MR 10620  
Miss 10668  
Wood 11466  
Dev 11484  
Ord 12484



**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Reclamation Objectives and Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines (Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Petroleum Engineering Tech  
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias  
Environmental Protection Specialist  
575-234-6230

Crisha Morgan  
Environmental Protection Specialist  
575-234-5987

Trishia Bad Bear, Hobbs Field Station  
Natural Resource Specialist  
575-393-3612

**Plugging Report  
Henshaw 23 Federal #1  
API 30-015-34448**

6/7/2022 Set matting board and rigged up. Nipple down tubing and start laying down the rods. Started moving in equipment.

6/8/2022 Finished laying down the rods. 93 7/8" and 207 3/4". Installed the BOP. Tagged existing CIPB at 8212'. Reported to the BLM. Circulated MLF and spot 25 sx Class H cement on top of CIPB. POOH to 7737' and spot 25 sx Class H cement. Laid down tubing to 6458' and shut down.

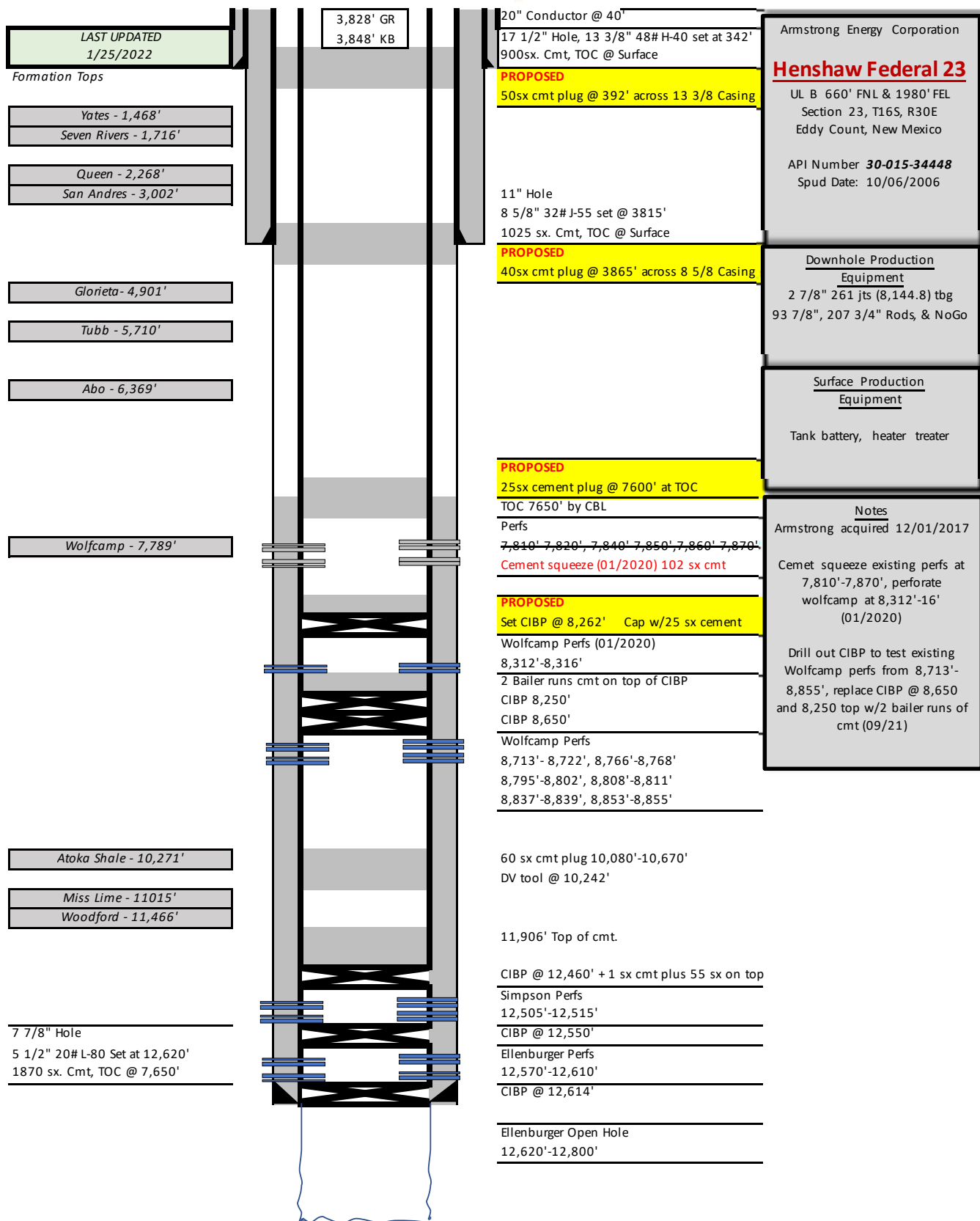
6/9/2022 POOH with tubing and perforated casing at 6430'. RIH with packer and could not get past 50'. POOH with packer and RIH with 4 3/4" bit. Rotated with tongs until it fell through. Work up and down back through to clean up. Still stacking out at 50', but can rotate through with a pipe wrench. Think the casing is parted. Picked up packer with bent joint on the bottom. Tried to work trough bad spot without success. POOH and SION. Will run string mill in the morning.

6/10/2022 RIH with correct packer and pressured up on perforations to 1000# and held. Bled off at the truck and repeated with same result. 1000# no drop in pressure. POOH with packer. RIH with tubing to 6489' and spot 25 sx Class C cement across the perforations. WOC and tagged at 6252'. Stand back 73 stands and laid down the rest of the tubing in the hole. SION

6/13/2022 Perforated at 4502'. Set packer and pressured up to 1000# and held. No drop. Repeated with same result. Spot 25 sx Class C with CaCl from 4555'. WOC and tagged at 4336'. Perforated at 3865'. Set packer and pressure up to 750#. Held with no drop in pressure. Repeated. Same result. Spot 25 sx Class C across perfs from 3931. POOH and SION.

6/14/2022 Tagged cement at 3708'. POOH with tubing and perforated casing at 1520'. Set packer and pressured up to 750# and held. Repeated with same result. POOH with packer and spot 25 sx cement across perforations from 1591'. POOH and SION.

7/15/2022 Tagged cement at 1341'. Perforated at 400'. Good communication with intermediate head. Pumped cement down the 5 1/2" casing to the perforations and up the intermediate annulus to surface. Took 105 sx. Rigged down, dug out, and removed the wellhead. Filled up 8 5/8" annulus with 5 sx cement. Installed marker, removed the anchors and cleared the location.



**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  
  
Action 396400

CONDITIONS

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 396400
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Federal well follow BLM guidelines DHM set 7/15/22	11/5/2024