

BLM APPROVED CONDITIONS OF APPROVAL - PROPOSED WELLBORE DIAGRAM

FIELD: Carlsbad East API NO.: 30-015-28653 Spud Date: 10/8/1995
 LEASE/UNIT: SOTOL FED CHEVNO: TD Date: 10/21/1995
 WELL NO.: 5 PROD FORMATION: Comp Date: 11/24/1995
 COUNTY: Eddy ST: New Mexico STATUS: SI Oil Well GL: 3,526'
 LOCATION: 330' FNL & 380' FWL, Sec. 1, T-24S, R-31E KB: 3,540'

Base of Fresh Water: 350'

R11P/SOPA: No/Yes

Surface Casing

Size: 11-3/4"
 Wt., Grd.: 42#
 Depth: 857'
 Sxs Cmt: 590 sx
 Circulate: Yes, 200 sx
 TOC: Surf
 Hole Size: 14-3/4"

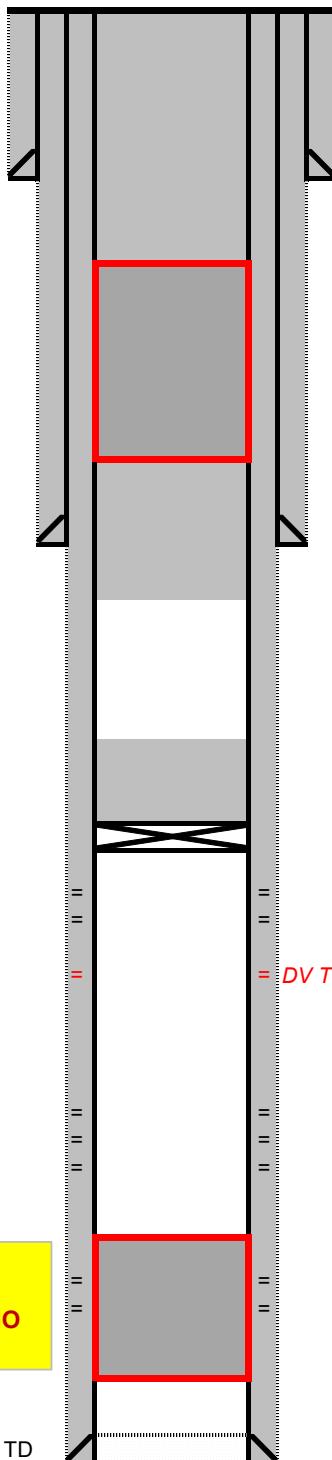
Intermediate Casing

Size: 8-5/8"
 Wt., Grd.: 24#
 Depth: 4,450'
 Sxs Cmt: 140 sx
 Circulate: Yes, 200 sx
 TOC: Surf
 Hole Size: 11"

Production Casing

Size: 5-1/2"
 Wt., Grd.: 15.5#/17#
 Depth: 8,650'
 DV Tool: 6,495'
 Sxs Cmt: 1820 sx
 Circulate: Yes, 30 sx
 TOC: Surf
 Hole Size: 7-7/8"

Formation	Top (MD)
Rustler	820'
Salt Top	1,165'
Salt Bottom	4,298'
Delaware MG	4,532'
Bone Spring	8,394'



Isolate Salt Top to Surface

3 Spot 121 sx Class C f/ 1,215' - 0'

CEMENT ENTIRE SALT SECTION PER R-111-P

Isolate Delaware, Int. Csg Shoe, Salt Bottom

2 Spot 43 sx Class C f/ 4,532' - 4,098'

WOC & tag; min. depth 4,198'

Isolate Perfs

1 Set CIBP +/- 100' above top perf @ 4,497'

Tag CIBP and spot 30 sx Class C f/ 4,497' - 4,205'

WOC, tag, pressure test (min. plug length 100')

4,597' - 4,606'

= DV Tool @ 6,495'

6,696' - 6,711'

8,298' - 8,324'

25 SX CLASS H F/ 8,444' - 8,260'

H2S Concentration >100
 PPM? NO
 NORM Present in Area? NO

8,650' TD

NOTE FOR NMOCD: WILL BE ADDING FULL R-111-P PLUG ABOVE AND BEYOND BLM CONDITIONS OF APPROVAL

Accepted for record – NMOCD

JRH

04/13/2023

Well Name: SOTOL FEDERAL	Well Location: T24S / R31E / SEC 1 / NENE /	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM69369	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001528653	Well Status: Producing Oil Well	Operator: CHEVRON USA INCORPORATED

Notice of Intent

Sundry ID: 2715332

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/13/2023

Date proposed operation will begin: 03/06/2023

Type of Action: Plug and Abandonment

Time Sundry Submitted: 10:06

Procedure Description:

Approval Subject to
General Requirements and
Special Stipulations
Attached

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Sotol_Fed_5_Info_Packet_for_BLM_20230213100541.pdf

LONG VO
Digitally signed by LONG VO
Date: 2023.03.25 12:41:20 -05'00'

Well Name: SOTOL FEDERAL

Well Location: T24S / R31E / SEC 1 /
NENE /County or Parish/State: EDDY /
NM

Well Number: 5

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM69369

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001528653

Well Status: Producing Oil Well

Operator: CHEVRON USA
INCORPORATED**Operator**

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MARK TORRES

Signed on: FEB 13, 2023 10:05 AM

Name: CHEVRON USA INCORPORATED

Title: Well Abandonment Engineer

Street Address: 6301 DEAUVILLE BLVD

City: MIDLAND

State: TX

Phone: (989) 264-2525

Email address: MARKTORRES@CHEVRON.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

Sotol Fed 5**API:** 30-015-28653**Fresh Water Depth:** 350'**Potash Area:** No**SOPA:** Yes – Plug from top of salt to surface required**Notes:**

- ACOI – Uneconomic to Return to Production.
- Additional well history available in Wellview and Electronic Well File. Contact engineer for more info.
- WSR to assess crew competency and utilize SWA and contact Superintendent with any concerns.
- Reference [Onshore Operating Guidelines](#) and Business Partner SOPs for detailed guidance.
- If program requires change of scope, do not proceed before contacting an engineer or Superintendent.

Rig Work

1. Prior to rig arrival, verify well prep and confirm if any special or welded flanges are present that will require further intervention.
2. Contact **BLM at least 24 hours** prior to performing any work.
 - a. Place job number in WellView, note the time you contacted the agency and the engineer's name.
3. MIRU pulling unit.
4. Verify pressures and kill well as per [Chevron Global Well Control Document](#).
 - a. Bubble test intermediate and surface casings for 30 minutes each and share results in WellView under daily pressure.
5. Attempt to pressure test tubing to at least 1,000 psi for 15 minutes or the highest pressure expected while plugging the well.
 - a. If test passes, utilize tubing for work string.
 - b. If test fails, pick up a work string provided by Chevron.
6. Install hydraulic rod BOP and function test.
7. Pull and lay down rods.
 - a. If paraffin is encountered or rods are stuck contact engineer.
 - b. Stop work and contact Superintendent if stripping operations are required.
 - c. Rod stripping – if unable to back off rods and forced to cut rods, a hydraulic sheering tool or hacksaw, or other verified, intrinsically safe devices SHALL be used to cut.
8. N/U BOPE using rubber coated hangers provided by Chevron, and pressure test, 250 psi low and MASP + 500 psi high (per Chevron operating guidelines) for 5 minutes each.
 - a. On a chart, no bleed off allotted.
 - b. Contact engineer if unable to unset TAC, do not shear TAC without the BOP N/U first to mitigate any risks of well control events.
9. TOH w/ production string. If TAC removed from wellbore, will serve as gauge ring run for CIBP.
 - a. Stop work and contact Superintendent if tubing is pulling wet.
10. If unable to pull TAC or alternatively want to leave TAC in place:

- a. Plan to set CIP adjacent to TAC or set in profile plug per tubing tally.
 - b. Jet cut tubing above CIP.
 - c. has hardened at surface.
11. Tag TD and circulate, spot cement from 8444' to 8260'. (Bone Springs top at 8394') WOC and Tag. 25 sxs Class H.
12. Run and set CIBP within 100' of Top Perf (- 4,497') **or as per approved by BLM.**
 - a. Skip gauge run if TAC pulled freely past setting depth.
13. Fill well with fresh water and pressure test casing to 500 psi for 15 minutes if no P&S required or 1,000 psi for 15 minutes if P&S required.
 - a. Confirm burst pressure of each casing string and ensure the bottomhole pressure during a pressure test does not exceed burst.
 - b. 5% bleed off allotted.
 - c. Contact the engineer if pressure test fails to discuss upgrading existing cement plugs to isolate holes, document test results.
14. TIH and tag CIBP.
15. Spot 30 sacks Class C cement from 4,497' to 4205'. (Delaware, Shoe, Base of Salt)
 - a. WOC, tag, pressure test barrier. If pressure test fails, discuss contingency plan with engineer.
 - b. Minimum plug length is 292' (4205').
16. Spot MLF to appropriate depth to ensure it is spaced out between plugs.
 - a. Do not pump MLF past the first perforation because it will be pumped away during the P&S procedure. Also, if the casing failed a pressure test, do not spot MLF until it tests properly.
17. Perf and squeeze (In 57 sxs/Out 77 sxs) Class C f/ 1215' to 655' (Delaware, int. csg shoe, Salt Bottom).
 - a. WOC, tag. (655')
 - b. Minimum plug length is 134'. (Top of Salt, Shoe, Fresh water)
18. Conduct bubble test for 30 minutes on all casing annuli.
 - a. If bubble test fails, contact engineer to discuss running a CBL to confirm cement quality behind pipe and/or adjusting forward plan for a perforate and squeeze contingency, cement plug or identify any opportunity to cut & pull casing, or R/D and monitor well.
 - b. Ultimate goal is to address failed test prior to fresh water depths
 - c. Confirm forward plan with engineer and request forward plan approval from the agency.
19. If bubble test passes, proceed to isolate to surface.
 - a. Notify BLM of any proposed changes to cement volumes
20. Perf and Squeeze approx. (In 11 sxs/Out 15 sxs) Class C cement f/ 100' to surface filling production casing to surface.
21. While RDMO, perform 30-minute bubble test on surface and production casings. Record results to meet the barrier standard intent.
22. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker (4" diameter, 4' tall). Clean location.

CURRENT WELLBORE DIAGRAM

FIELD: Carlsbad East
 LEASE/UNIT: SOTOL FED
 WELL NO.: 5
 COUNTY: Eddy ST: New Mexico
 LOCATION: 330' FNL & 380' FWL, Sec. 1, T-24S, R-31E

API NO.: 30-015-28653
 CHEVNO:
 PROD FORMATION:
 STATUS: SI Oil Well

Spud Date: 10/8/1995
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Base of Fresh Water: 350'

R11P/SOPA: No/Yes

Surface Casing

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 Wt., Grd.: 42#
 Depth: 857'
 Sxs Cmt: 590 sx
 Circulate: Yes, 200 sx
 TOC: Surf
 Hole Size: 14-3/4"

Intermediate Casing

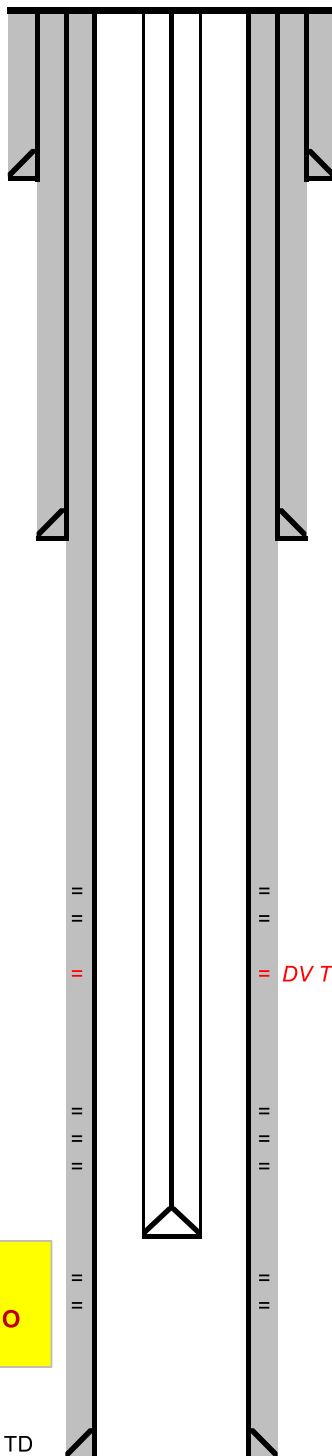
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Production Casing

Size: 5-1/2"
 Wt., Grd.: 15.5#/17#
 Depth: 8,650'
 DV Tool: 6,495'
 Sxs Cmt: 1820 sx
 Circulate: Yes, 30 sx
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 Hole Size: 7-7/8"

2267' TOC from Completion
 Report. LV

Formation	Top (MD)
Rustler	820'
Salt Top	1,165'
Salt Bottom	4,298'
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ROD AND PUMP DETAILS ON WELLVIEW SCHEMATIC

= 4,597' - 4,606'

= DV Tool @ 6,495'

= 6,696' - 6,711'

= 8,298' - 8,324'

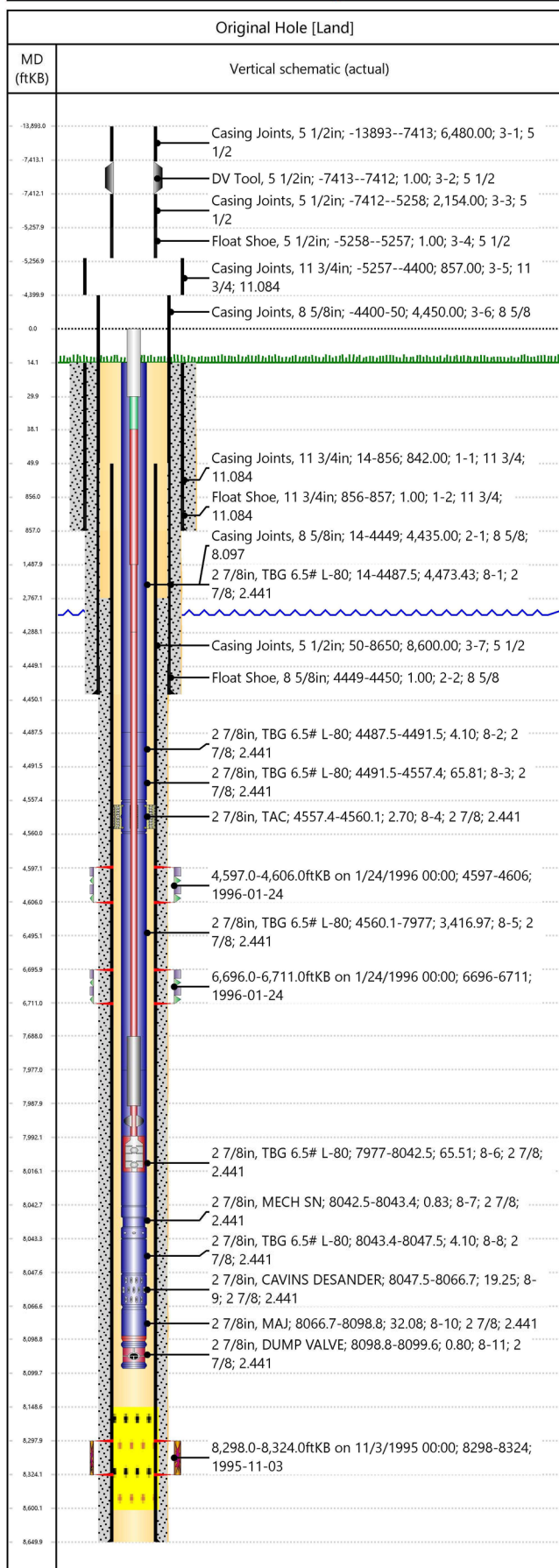
8,650' TD

H2S Concentration >100
 PPM? NO
 NORM Present in Area? NO



wellbore schematic

Well Name SOTOL FEDERAL 005	Lease SOTOL FEDERAL	Field Name SAND DUNES WEST	Business Unit Mid-Continent
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Job Details								
Job Category			Rig/Unit Start Date			Rig/Unit End Date		
Well Services			4/19/2017			4/24/2017		
Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade		Top Thread		Set Depth (MD) (ftKB)	
Surface	11 3/4	42.00	WC-40				857	
Intermediate	8 5/8	24.00	J-55				4450	
Production	5 1/2						8650	
Tubing String: Tubing, Run Date: 4/21/2017								
Tubing Description			Run Date		String Length (ft)		Set Depth (MD).	
Tubing			4/21/2017		8,085.58		8,099.6	
Tubing Components								
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)	
TBG 6.5# L-80	140	2 7/8	2.441	6.50	L-80	4,473.43	4,487.5	
TBG 6.5# L-80	1	2 7/8	2.441	6.50	L-80	4.10	4,491.6	
TBG 6.5# L-80	2	2 7/8	2.441	6.50	L-80	65.81	4,557.4	
TAC	1	2 7/8	2.441			2.70	4,560.1	
TBG 6.5# L-80	110	2 7/8	2.441	6.50	L-80	3,416.97	7,977.0	
TBG 6.5# L-80	2	2 7/8	2.441	6.50	L-80	65.51	8,042.5	
MECH SN	1	2 7/8	2.441			0.83	8,043.4	
TBG 6.5# L-80	1	2 7/8	2.441	6.50	L-80	4.10	8,047.5	
CAVINS DESANDER	1	2 7/8	2.441			19.25	8,066.7	
MAJ	1	2 7/8	2.441			32.08	8,098.8	
DUMP VALVE	1	2 7/8	2.441			0.80	8,099.6	
Rod Strings: Rods, Run Date: 4/24/2017								
Rod Description			Run Date		Set Depth (ftKB)		Pull Date	
Rods			4/24/2017		8,016.0		Len (ft) 8,016.00	
Rod Components								
Item Des	OD (in)	Wt (lb/ft)	Grade		Len (ft)		Btm (ftKB)	
POLISH ROD	1 1/2		SM		30.00		30.0	
ROD SUB	1		D		8.00		38.0	
WEATHERFORD	1		D		1,450.00		1,488.0	
WEATHERFORD	7/8		D		2,800.00		4,288.0	
WEATHERFORD	3/4		D		3,400.00		7,688.0	
K-BARS	1 1/2		C		300.00		7,988.0	
GUIDED SUB	7/8		D		4.00		7,992.0	
PUMP	2 1/2		API		24.00		8,016.0	
Perforations								
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone			
1/24/1996	4,597.0	4,606.0	2.0	18				
1/24/1996	6,696.0	6,711.0	2.0	30				
11/3/1995	8,298.0	8,324.0	2.0	52				
Other Strings: <String Description?>, Run Date: <Run Date?>								
String Description		Run Date	Pull Date	Comment				
Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	Pull Date		Com			

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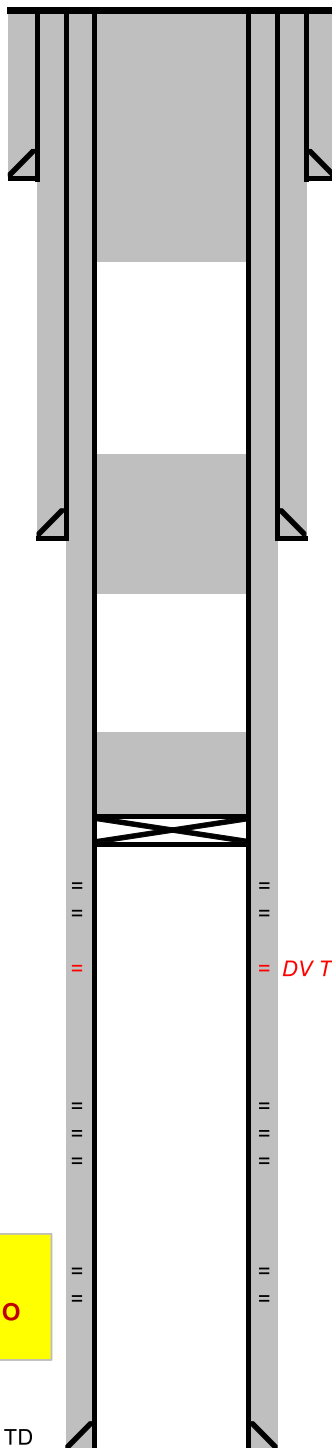
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Isolate Delaware, Int. Csg Shoe, Salt Bottom

2 Spot 43 sx Class C f/ 4,532' - 4,098'

WOC & tag; min. depth 4,198'

Approval Subject to

General Requirements and

Special Stipulations

Attached

Isolate Perfs

1 Set CIBP +/- 100' above top perf @ 4,497'

Tag CIBP and spot 25 sx Class C f/ 4,497' - 4,247'

WOC, tag, pressure test (min. plug length 100')

4,597' - 4,606'

= DV Tool @ 6,495'

6,696' - 6,711'

8,298' - 8,324'

8,650' TD

H2S Concentration >100
 PPM? NO
 NORM Present in Area? NO

**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 90th day provide this office, prior to the 90th 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 575-689-5981.

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 10th 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 1st through June 15th 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/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 (across the slope 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/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

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

Sundry ID

2715332

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify	26.00	C	Perf and squeeze from 100' to surface. Verify at surface. (In 11 sxs/Out 15 sxs)
Fresh Water @ 713	655.87	763.00	107.13	If solid			
Shoe Plug	798.43	907.00	108.57	Tag/Verify			
Top of Salt @ 1165	1103.35	1215.00	111.65	Tag/Verify	134.00	C	Perf and squeeze from 1215' to 655'. (In 57 sxs/Out 77 sxs) WOC and Tag.
Base of Salt @ 4298	4205.02	4348.00	142.98	Tag/Verify			
Shoe Plug	4355.50	4500.00	144.50	Tag/Verify			
Delaware @ 4532	4436.68	4582.00	145.32	If solid base no			
CIBP Plug	4462.00	4497.00	35.00	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	30.00	C	Set CIBP at 4497'. Spot cement from 4497' to 4205'. Leak test CIBP. WOC and Tag.
Perforations Plug (If No CIBP)	4509.94	4656.00	146.06	Tag/Verify			
DV tool plug	6380.05	6545.00	164.95	Tag/Verify			
Perforations Plug (If No CIBP)	6593.89	6761.00	167.11	Tag/Verify			
Perforations Plug (If No CIBP)	8190.76	8374.00	183.24	Tag/Verify			

				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns			
Bonesprings @ 8394	8260.06	8444.00	183.94		25.00	H	Tag TD and circulate, spot cement from 8444' to 8260'.
Shoe Plug	8513.50	8700.00	186.50	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Secretary	Top of Salt to surface	
Shoe @	857.00		
Shoe @	4450.00		
Shoe @	8650.00	TOC @	2767.00
Perforatons Top @	8298.00	Perforations	8324.00
Perforatons Top @	4597.00	Perforations	4606.00
Perforatons Top @	6696.00	Perforations	6711.00
DV Tool @	6495.00	CIBP @	4497.00

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District II
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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

COMMENTS

Action 203200

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 203200
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Accepted for record - NMOCD JRH 4/13/23 BLM Approved P&A 3/25/23	4/13/2023

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CONDITIONS

Action 203200

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Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
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CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	4/13/2023