

Well Name: BURCH KEELY UNIT	Well Location: T17S / R29E / SEC 23 / NWSW /	County or Parish/State: EDDY / NM
Well Number: 74	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC028784B	Unit or CA Name: BURCH KEELY UNIT	Unit or CA Number: NMNM88525X
US Well Number: 3001523836	Well Status: Producing Oil Well	Operator: SPUR ENERGY PARTNERS LLC

Notice of Intent

Sundry ID: 2725385

Type of Submission: Notice of Intent      Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/12/2023      Time Sundry Submitted: 12:04

Date proposed operation will begin: 05/10/2023

Procedure Description: Please find proposed P&A procedure and WBDs attached for your review.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- BKU\_74\_P\_A\_PROCEDURE\_20230412120438.pdf
  - BKU\_74\_\_\_WBD\_\_\_CURRENT\_20230412120438.pdf
  - BKU\_74\_\_\_WBD\_\_\_PROPOSED\_P\_A\_20230412120438.pdf

Received by OCD: 5/8/2023 7:47:36 AM

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Conditions of Approval

Specialist Review

BURCH\_KEELY\_UNIT\_74\_\_2725385\_\_COA\_AND\_PROCEDURE\_20230505140635.pdf

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: SARAH CHAPMAN	Signed on: APR 12, 2023 12:04 PM
Name: SPUR ENERGY PARTNERS LLC	
Title: Regulatory Directory	
Street Address: 9655 KATY FREEWAY, SUITE 500	
City: Houston	State: TX
Phone: (832) 930-8613	
Email address: SCHAPMAN@SPUREPLLC.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY	BLM POC Title: ENGINEER
BLM POC Phone: 5759884722	BLM POC Email Address: KIMMATTY@BLM.GOV
Disposition: Approved	Disposition Date: 05/05/2023
Signature: KEITH IMMATTY	

## BKU 74 P&A Procedure

30-015-23836

32.8191605, -104.0529633

1. POOH rods and tbg. Rod and tbg details unknown.
2. Set CIBP @ 2,670'. Circ hole w/ MLF. RIH with 1 jt tbg and packer to isolate 5 1/2" csg @ surface. Pressure test csg. 500 psi, 30 min. Spot 25 sx Class C Cmt from 2,670' – 2,470' (Perfs from 2,717' – 3,085' / San Andres). WOC & Tag. (Plug 1)
3. P&S 115 sx cmt @ 970' – 750' (Yates / BOS). WOC & Tag. (Plug 2)
4. P&S 75 sx cmt @ 410' – 275' (8 5/8" Shoe / TOS). WOC & Tag. (Plug 3)
5. Spot 50 sx cmt @ 100' – Surface. Verify Cmt to surface. (Plug 4)
6. Top off all annuli from back side.
7. Cut off Wellhead. Weld on below ground dry hole marker.

**Completion report suggest cement to surface on both strings. Spot OK for listed depths if pressuring up on perf and sqz. Tag and verify placement**

API #	30-015-23836	BURCH KEELY UNIT 74	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	23-17S-29E
Field	GRAYBURG JACKSON		Footage	2310 FSL, 330 FWL
Spud Date	9/8/1981		Survey	32.8191605, -104.0529633

Formation (MD)	
BASE OF SALT	806
YATES	920
SEVEN RIVERS	1,210
RED SAND	1,592
QUEENS	1,820
LOCO HILLS	2,270
SAN ANDRES	2,518

RKB	
GL	3,605'
Hole Size	12 1/4"
TOC	
Method	CIRC
Csg Depth	358'
Size	8 5/8"
Weight	20#
Grade	
Connections	
Cement	250 sx Class C

Tubing Detail				
Jts	Size	Depth	Length	Detail
				UNKNOWN

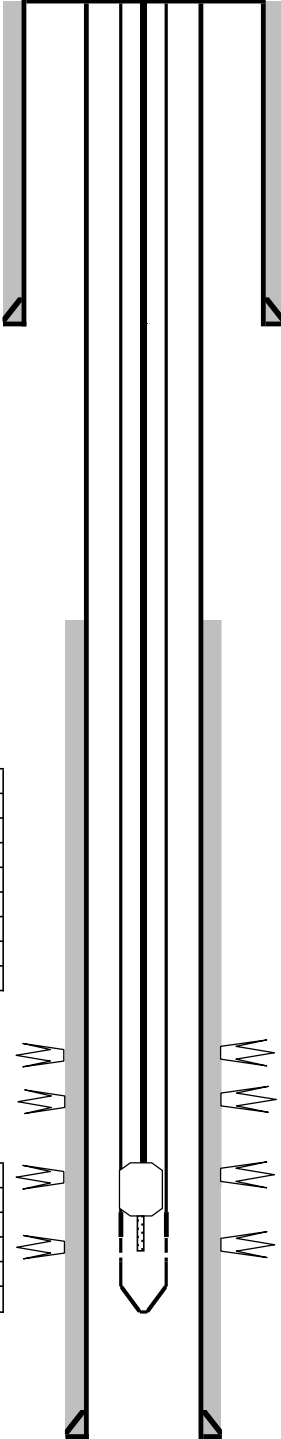
Hole Size	7 7/8"
TOC	
Method	CIRC
Csg Depth	3,240'
Size	5 1/2"
Weight	15.5#
Grade	
Connections	
Cement	470 sx Class H

Rod Detail					
Rods	Size	Depth	Length	Guides	Detail
					UNKNOWN

Hole Size	7 7/8"
TOC	
Method	CIRC
Csg Depth	3,240'
Size	5 1/2"
Weight	15.5#
Grade	
Connections	
Cement	470 sx Class H

Last Update	4/11/2023
By	WSC

PBTD	3,219'
TD MD	3,240'
TD TVD	3,240'



2,717' - 765': 11/16/81 : 9 holes, 3000 gal 15% NE Acid

2,797' - 842': 11/16/81 : 11 holes, 5000 gal 15% NE Acid

2,948' - 977': 11/16/81: 15 holes, 20k gal water, 20k lbs sand

3,048' - 85': 11/16/81: 16 holes, 30k gal water, 30k lbs sand

EOT @ Unknown depth

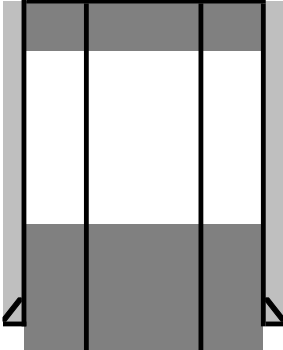
API #	30-015-23836	<b>PROPOSED P&amp;A</b>  <b>BURCH KEELY UNIT 74</b>	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	23-17S-29E
Field	GRAYBURG JACKSON		Footage	2310 FSL, 330 FWL
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TOC	
Method	CIRC

Csg Depth	358'
Size	8 5/8"
Weight	20#
Grade	
Connections	
Cement	250 sx Class C



Plug #4: Perf and Squeeze 50 sx Class C Cmt @ 100' - 0'  
**Spot OK if pressuring up**

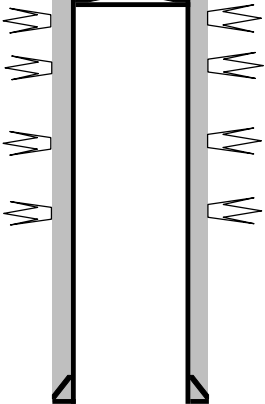
**Top of Salt @ 325'**  
Plug #3: Perf and Squeeze 75 sx Class C Cmt @ 410' - 275'  
**Tag and verify. Spot OK if pressuring up**

**Base of Salt @ 806'**  
Plug #2: Perf and Squeeze 115 sx Class C Cmt @ 970' - 750'  
**Yates @ 920' Tag and verify. Spot OK if pressuring up**

**San Andres @ 2,518'**

Hole Size	7 7/8"
TOC	
Method	CIRC

Csg Depth	3,240'
Size	5 1/2"
Weight	15.5#
Grade	
Connections	
Cement	470 sx Class H



Plug #1: Set CIBP @ 2,670'. Spot 25 sx class c cmt from 2,670' - 2,470'  
**Leak test CIBP 500psi, 30mins**  
2,717' - 765': 11/16/81 : 9 holes, 3000 gal 15% NE Acid  
2,797' - 842': 11/16/81 : 11 holes, 5000 gal 15% NE Acid  
2,948' - 977': 11/16/81: 15 holes, 20k gal water, 20k lbs sand  
3,048' - 85': 11/16/81: 16 holes, 30k gal water, 30k lbs sand

Last Update	4/11/2023
By	WSC

PBTD	3,219'
TD MD	3,240'
TD TVD	3,240'

Sundry ID 2725385

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Verify circulated to surface	50.00	
Top of Salt @ 315	261.85	365.00	103.15	WOC and Tag	75.00	Same as below plug
Shoe Plug	304.42	408.00	103.58	WOC and Tag	75.00	
Base of Salt @ 806	747.94	856.00	108.06	WOC and Tag	115.00	Same as below plug
Yates @ 920	860.80	970.00	109.20	WOC and Tag	115.00	
CIBP Plug	2635.00	2670.00	35.00	Verify CIBP depth	25.00	Leak test 500psi, 30mins

**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.**

**Critical, High Cave Karst: Cave Karst depth to surface**

**R111P: Solid plug in all annuli - 50' from bottom of salt to surface.**

**Class C: 1.32 ft<sup>3</sup>/sx**

**Class H: 1.06 ft<sup>3</sup>/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.**

<b>Cave Karst/Potash Cement</b>	<b>Medium</b>	<b>KARST DEPTH/TOS to surface</b>	500.00
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**Shoe @ 358.00**

**Shoe @ 3240.00**

**Perforatons Top @ 2718.00**

**Perforations**

**Bottom @ 3048.00**

**CIBP @ 2670.00**

**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 575-689-5981.

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 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/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

**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**

COMMENTS  
  
Action 214448

COMMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 214448
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Accepted or record - NMOCD JRH 5/22/23 BLM approved P&A 5/5/23	5/22/2023

**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  
  
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	Action Number: 214448
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CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/22/2023