

**Well Name:** BURCH KEELY UNIT

**Well Location:** T17S / R29E / SEC 24 / SWSE /

**County or Parish/State:** EDDY / NM

**Well Number:** 109

**Type of Well:** INJECTION - ENHANCED RECOVERY

**Allottee or Tribe Name:**

**Lease Number:** NMLC028784C

**Unit or CA Name:** BURCH KEELY UNIT

**Unit or CA Number:** NMNM88525X

**US Well Number:** 3001503077

**Well Status:** Abandoned

**Operator:** SPUR ENERGY PARTNERS LLC

Accepted for record – NMOCD gc1/4/2023

### Subsequent Report

**Sundry ID:** 2697809

**Type of Submission:** Subsequent Report

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 10/12/2022

**Time Sundry Submitted:** 01:40

**Date Operation Actually Began:** 08/03/2022

**Actual Procedure:** Please find post job and final plugged WBD attached for your reference. Thank you.

### SR Attachments

**Actual Procedure**

Burch\_Keely\_Unit\_109\_Plugged\_WBD\_20221012134042.pdf

BKU\_Subsequent\_P\_A\_Procedure\_20221012134042.pdf

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**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: OCT 12, 2022 01:40 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: JAMES A AMOS

BLM POC Title: Acting Assistant Field Manager

BLM POC Phone: 5752345927

BLM POC Email Address: jamos@blm.gov

Disposition: Accepted

Disposition Date: 12/14/2022

Signature: James A. Amos

8/03/22: MIRU, check well pressure then bleed off & dig around the well to change WH valves, tried to loosen the head but it was too tight then call welder to be on location in the morning & SDFN.

8/04/22: Check well pressure then bleed down well, welder on location-heat up flange then hammer around it & it came free, had trouble getting slips out of WH then hammered around WH & pulling tension, keep hammering then slips started to move & got slips out, install 8 5/8 larkin flange then NU Bop & RU floor, unset pkr & POOH w/ tbg then LD 2jts, POOH w/ tbg & tally, started to swab well then RU pump w/ screen to keep collar empty & pump into open top tank, continue POOH w/ tbg & pkr- pkr would not come through the Bop due to BS & piece of metal, LD pkr after rigging down work floor & ND Bop, RIH w/ kill string & SDFN.

8/05/22: RU WL then RIH but tag at 2390' & pump 60bbls of FW but no changes, POOH w/ WL & RD, get power swivel & bit then RIH w/ bit to tag at 2450', RU swivel then wash down from 2450' to 2630' & circulate bottom up, RD swivel & POOH w/ tbg then SDFN.

8/06/22: Finish POOH w/ tbg & bit, RBIH w/ tbg & bid then tagged at 2665', RU swivel then make connections & start drilling/cleaning out the well-had sand & scale, as returns pressure started rising-plug up tbg then RD swivel & POOH w/ tbg, RBIH w/ tbg & bit then RU swivel, made connection & load hole from bottom up then broke circulation, start turning tbg w/ swivel & tagged top of liner at 2665' then clean out csg to 2796', circulated well clean from bottom up then RD swivel, POOH w/ tbg & bit then LD bit, RU WL then RIH & tagged liner at 2635', worked it & went down to 2680' but no luck going deeper, BLM ok'd to perf at 2680 then POOH w/ WL & RD WL, SDFN.

8/07/22: Check well for pressure-showing 0psi then RIH w/ tbg & pkr- set at 2414', pump water to get injection rate-2bpm at 400psi then load hole above pkr & pressure test csg from 2381' to surface- good, **PLUG #1 – mix & pump 60sxs** Class C cmt from eot at 2680' to toc at 2535' then woc, unset pkr then POOH w/ tbg & pkr, RBIH & tag PLUG #1 at 2413', BLM ordered to shut well in & verify tag in the morning then SDFN.

8/08/22: RIH w/ tbg to **tag PLUG #1 at 2413'** & notify BLM of tag, POOH & stand back tbg, RU WL then RIH to set CIBP at 2350' & POOH, RIH to verify CIBP depth then POOH & RD WL, RIH & broke circulation then pressure test CIBP from 2350' to surface- did not test & had water coming from side of WH, dig out 5' but couldn't find hole then POOH & install pkr, go down & set pkr at 25' then pressure test- pressured up to 600psi then closed well in to monitor for 30 min & tested good, POOH w/ tbg & LD pkr then RIH to 2345' to circulate well clean to surface, SDFN due to pump issue.

8/09/22: RU pump truck then pump water to break circulation, **PLUG #2 – mix & pump 25sxs** Class C cmt from eot at 2345' to toc at 2200' then woc, RIH & to **tag PLUG #2 at 2177'** then notify BLM of tag, POOH & LD tbg, **PLUG #3 – mix & pump 50sxs** Class C cmt from eot at 1094' to toc at 804', POOH & LD tbg, SDFN to woc.

8/10/22: Check for pressure-0psi then RIH & **tag PLUG #3 at 772'**, RU WL then RIH to perforate at 485' & RD WL, RIH to get injection rate-held pressure at 500psi, **PLUG #4 – mix & pump 25sxs** Class C cmt from eot at 547' to toc at 402', SDFN to woc.

8/11/22: RIH & **tag PLUG #4 at 428'** then notify BLM of low tag- authorized to perforate at 428', RU WL then RIH to perforate at 414' (where they tagged) & RD WL, RIH & get injection rate, **PLUG #5 – mix & pump 25sxs** Class C cmt from eot at 414' to toc at 355' then woc, check well- was on vacuum & notify BLM, **PLUG #5B – mix & pump 30sxs** Class C cmt from eot at 414' to toc at 355' then SDFN.

8/12/22: Check well for pressure-0psi then pressure test csg- good, RIH & **tag PLUG #5 at 355'** then notify BLM, POOH & LD tbg, RU WL then RIH to perforate at 100' & RD WL, RIH & get injection rate, **PLUG #6 – mix & pump 45sxs** Class C cmt from eot at 100' to surface, SDFN to woc.

8/15/22: RIH & **tag PLUG #6 at 80'** then notify BLM, they suggest to cut WH then run 1" pipe to tag cmt between 8 5/8 & 7", wait on welder then dig & cut WH- no room between 8 5/8 & 7" then notify BLM, they suggest to perf at 50' & bring cmt to surface, RU WL then RIH & perforate at 50', POOH & RD WL, run 7" pkr then **PLUG #6B – mix & pump 26sxs** Class C cmt from eot at 50' to surface- fill both 8 5/8 & 7" csg, RD equipment.

# Burch Keely Unit #109

Eddy County, NM  
API# 30-015-03077

SPUD DATE: 3/1/1951  
RECOMPLETE:  
CONVERT TO INJ: 10/20/1986

perforations at 50'

CURRENT WBD

plug #6  
71 sxs Class C  
100' - surface

perforations at 100'

plug #5  
75 sxs Class C  
414' - 355'  
perforations at 414'

**8-5/8" 28# CSG @ 434'**  
CMT W/ 75 SX

plug #4  
25 sxs Class C  
547' - 428'  
perforations at 485'

plug #3  
50 sxs Class C  
1094' - 772'

plug #2  
25 sxs Class C  
2345' - 2177'

set CIBP at 2350'

TENSION PACKER @ ~2,350'

plug #1  
60 sxs Class C  
2680' - 2413'

TOP OF 4-1/2" @ 2,633'

**7" 20# CSG @ 2,741'**  
CMT W/ 100 SX

**PERF'D FROM 2,350' - 3,478'**

**FRAC'D 3,468-3,478 : 3,220-3,286 : 2,512 - 2,544 : 2,400 - 2,408**

**ACIDIZED 2,995-3,038 : 2,901 - 2,952**

**4-1/2" 9.5# LINER @ 2,633' - 3,564'**  
CMT W/ 150 SX

**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 169819

**CONDITIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 169819
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	1/4/2023