

<b>Well Name:</b> LOCO HILLS SWD 34	<b>Well Location:</b> T17S / R30E / SEC 34 / SENW / 32.7936917 / -103.9632256	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 5	<b>Type of Well:</b> INJECTION - ENHANCED RECOVERY	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMLC028992H	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001539477	<b>Operator:</b> SPUR ENERGY PARTNERS LLC	

**Notice of Intent**

**Sundry ID:** 2786549

**Type of Submission:** Notice of Intent

**Type of Action:** Workover Operations

**Date Sundry Submitted:** 04/24/2024

**Time Sundry Submitted:** 07:22

**Date proposed operation will begin:** 05/01/2024

**Procedure Description:** This well was worked over in 2021 and a new packer was wireline set in the well. It appears that 169 joints were replaced with new joints and 103 joints were re-ran from 2012. We believe the packer is likely in good shape and the failure of this well is in the joints from 2012. We plan to set a plug in the packer and test to see if that can be eliminated the issue. If so, we will replace all tubing and return this well to injection. If the packer is found to be bad, we will kill the well and replace the packer and tubing before returning to injection.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

Loco\_Hills\_34\_\_5\_SWD\_\_HIT\_Packer\_Leak\_Procedure\_20240424072200.pdf

Well Name: LOCO HILLS SWD 34

Well Location: T17S / R30E / SEC 34 /  
SENW / 32.7936917 / -103.9632256

County or Parish/State: EDDY /  
NM

Well Number: 5

Type of Well: INJECTION - ENHANCED  
RECOVERY

Allottee or Tribe Name:

Lease Number: NMLC028992H

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001539477

Operator: SPUR ENERGY PARTNERS  
LLC

### Conditions of Approval

#### Specialist Review

Workover\_or\_Vertical\_Deepen\_COA\_20240502175938.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 24, 2024 07:22 AM

Name: SPUR ENERGY PARTNERS LLC

Title: Regulatory Director

Street Address: 9655 KATY FREEWAY SUITE 500

City: HOUSTON

State: TX

Phone: (281) 642-5503

Email address: SCHAPMAN@SPURENERGY.COM

### Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

### BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Approved

Disposition Date: 05/02/2024

Signature: Jonathon Shepard

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**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.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address		8. Well Name and No.
3b. Phone No. (include area code)		9. API Well No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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"/> Hydraulic Fracturing	<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 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 recomplete 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 recompletion 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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
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	

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)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SENW / 1650 FNL / 1595 FWL / TWSP: 17S / RANGE: 30E / SECTION: 34 / LAT: 32.7936917 / LONG: -103.9632256 ( TVD: 0 feet, MD: 9700 feet )

PPP: SENW / 1650 FNL / 1595 FWL / TWSP: 17S / RANGE: 30E / SECTION: 34 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: SENW / 1650 FNL / 1595 FWL / TWSP: 17S / RANGE: 30E / SECTION: 34 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 9700 feet )

**Loco Hills 34 #5 SWD**

Eddy County, NM  
 API# 30-015-39477  
 XTBD – \$TBD

**Hole in Tubing / Packer Leak**

**Objective**

This well was worked over in 2021 and a new packer was wireline set in the well. It appears that 169 joints were replaced with new joints and 103 joints were re-ran from 2012. We believe the packer is likely in good shape and the failure of this well is in the joints from 2012. We plan to set a plug in the packer and test to see if that can be eliminated as the issue. If so, we will replace all tubing and return this well to injection. If the packer is found to be bad, we will kill the well and replace the packer and tubing before returning to injection.

**Notes:**

ONLY RUN 316 OR HIGHER-GRADE STAINLESS STEEL, PLASTIC COATED, OR NICKEL COATED ACCESSORIES DOWNHOLE – COLLARS, XO's, ON/OFF TOOLS ETC. SS IS PREFERRED.

Shut in tubing pressure shows to be 1400 psi  
 Shut in casing pressure shows to be 1550 psi

**Procedure Plan A**

1. **Notification:** Contact the OCD at least 24 hours prior to the commencement of any operations.
2. Set a 2.31F profile plug in the packer and test the tubing. If no communication, proceed with **Procedure Plan A**, if there is communication or plug was unable to be set in the tubing, proceed to **Procedure Plan B**.
3. Move in rig up pulling unit.
4. Ensure well is at 0 psi, if it is not, discuss with engineer. Nipple down wellhead. Nipple up BOP.
5. Release from the on/off tool POOH LD tubing, try to identify the ~103 old joints vs the 169 new joints. They are likely at bottom or top, if found, isolate on two different racks.

**Tubing Detail (9/27/2021)**

Current Tubing String										
Tubing Description					Set Depth (ftKB)	Run Date				
Tubing - Production					8,796.3	9/27/2021				
Item Des	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Jts	Cum Len (ft)	Top (ftKB)	Btm (ftKB)	
KB FACTOR					18.00		8,796.27	0.0	18.0	
IPC TUBING	J-55	9.20	3 1/2		32.57	1	8,778.27	18.0	50.6	
TUBING SUBS	J-55	9.20	3 1/2		20.02	3	8,745.70	50.6	70.6	
IPC TUBING	J-55	9.20	3 1/2		8,706.93	266	8,725.68	70.6	8,777.5	
3 1/2 X 2 7/8 X-OVER			3 1/2		1.30	1	18.75	8,777.5	8,778.8	
On-Off Tool			3 1/2		1.44	1	17.45	8,778.8	8,780.3	
AS1X WL SET PACKER			3 1/2		7.69	1	16.01	8,780.3	8,788.0	
Tubing Pup Joint	J-55		2 7/8	2.44	6.09	1	8.32	8,788.0	8,794.0	
R NIPPLE			2 7/8	2.25	0.96	1	2.23	8,794.0	8,795.0	
BURST DISCS			2 7/8		1.27	1	1.27	8,795.0	8,796.3	

6. MI New/reworked 3.5" tubing from Western Falcon.
7. RIH with on/off tool and tubing while hydrotesting.
8. Before latching back on, circulate in packer fluid.
9. Latch back onto on/off tool at 8,780', consult engineer on how much compression should be set on packer.
10. Test backside and tubing to 500 psi each.
11. If good test, Nipple down BOP. Nipple up wellhead.
12. Test backside again.
13. Rig down pulling unit.
14. Notify NMOCD 48hrs in advance to witness MIT; run MIT in accordance to 19.15.26 NMAC with OCD rep on location.

#### **Procedure Plan B**

1. Move in rig up pulling unit. Move in 400 bbls of 13.5 ppg Calcium Carbonate mud. Tubing capacity is 77 bbls and annular volume is 310 bbls.
2. RIH with wireline and punch hole right above packer.
3. Circulate in kill fluid.
4. ND Wellhead and NU BOP
5. Release packer and pull tubing out of hole while inspecting for holes.
6. MI new packer and BHA w/ POP and new/reworked tubing from Western Falcon.
7. RIH while hydrotesting tubing.
8. Set packer at +/- 8,788', the same as it was pulled out.
9. Circulate packer fluid into the hole and mud out. Attempt to save uncontaminated mud if possible.
10. Latch back onto the packer and top off the annulus with packer fluid. Consult engineer on how much compression should be set on packer.
11. Load and test casing to 500 psi for 30 mins.
12. Load and test tubing to 500 psi for 30 mins.
13. If good test, Nipple down BOP. Nipple up wellhead.
14. Test backside again.
15. Rig down pulling unit.
16. Notify NMOCD 48hrs in advance to witness MIT; run MIT in accordance to 19.15.26 NMAC with OCD rep on location.

Eddy County, NM  
API# 30-015-39477

CURRENT WBD

**13-3/8" 48# H-40 @ 435'**  
CMT W 500 SX CLASS C  
CIRC 215 SX TO SURFACE

**9-5/8" 40# 8RD J-55 LTC @ 4000'**  
CMT W/ 1600 SX  
CIRC 390 SX TO SURFACE

**TUBING DETAIL (9/27/2021)**

- 18.5' KB
- 1 JT 3.5" 9.3# IPC TUBING
- 3 JTS 3.5" 9.3# IPC TUBING SUBS (2' 8' 10')
- 266 JTS 3.5" 9.3# IPC TUBING
- 316 SS XO 3 1/2" x 2 7/8"
- SS BODY (NP J SLOT) T2 O/O TOOL W/ 2.31F NIPPLE
- 7" AS1X WL SET NP PACKER @ 8,789'
- 6' 2 7/8" PUP NP
- 316 SS 2.25" R PROFILE NIPPLE
- MULESHOE WITH DOUBLE DISC

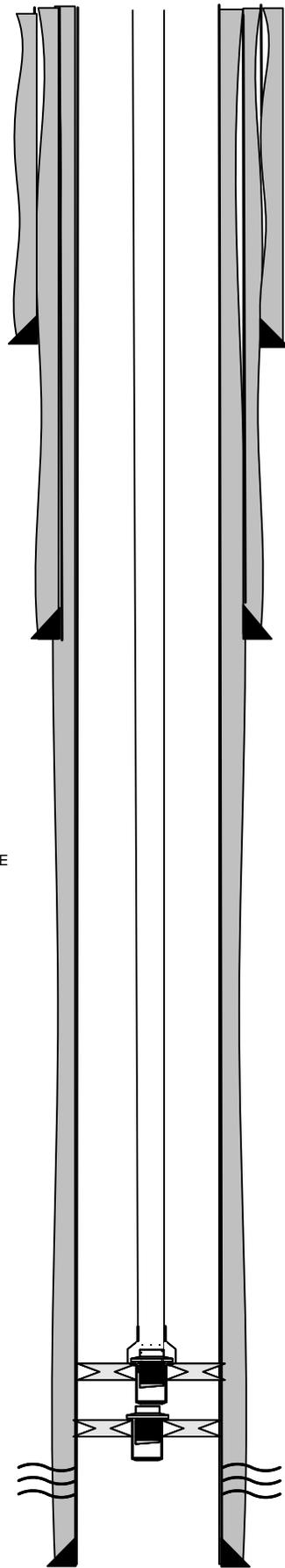
DV TOOL @ 7,030'

**8 3/4" HOLE**  
**7" 26# LTC L-80 @ 9,589'**  
STAGE 1: CMT W/ 500 SX  
CIRC 168 SX TO SURFACE  
STAGE 2: CMT W/ 950 H  
CIRC 268 SX TO SURFACE

BOTTOM OF PACKER MANDREL FISH  
@ 8,824' INSTALLED 6/17/2012

**WOLFCAMP PERFS (8,886' - 9,000')**  
6/14/2012: 58 HOLES

TD @ 9,589'  
PBTD @ 9,501'



## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

### Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any 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 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. 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.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, 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.

**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 340567

**CONDITIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 340567
	Action Type: [C-103] NOI Workover (C-103G)

**CONDITIONS**

Created By	Condition	Condition Date
mgebremichael	Should the workover require changing tubing, the same size shall be replaced as stipulated by the SWD order. The packer shall not be set more than 100 ft above the perforation's top or the injection interval's top part.	5/9/2024