

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: FEDERAL BI	Well Location: T17S / R32E / SEC 28 / NENW / 32.7996775 / -103.7735678	County or Parish/State: LEA / NM
Well Number: 1	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMLC057210	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002527068	Well Status: Water Disposal Well	Operator: SPUR ENERGY PARTNERS LLC

Notice of Intent

Sundry ID: 2764358

Type of Submission: Notice of Intent

Type of Action: Workover Operations

Date Sundry Submitted: 12/04/2023

Time Sundry Submitted: 02:42

Date proposed operation will begin: 12/15/2023

Procedure Description: This well has a suspected hole in tubing or packer leak due to pressure on the 5.5" casing that equals the tubing pressure. It is proposed to pull and LD all Duo-Lined 2-7/8" tubing and replace all tubing with re-worked Polycore 3.5" with TDC tubing from Western Falcon. The tubing in the well is from 2011.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Federal_Bi__1_SWD__HIT_Packer_Leak_and_Upsize_Tubing_Procedure_20231215074910.pdf

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Operator: SPUR ENERGY PARTNERS LLC

Conditions of Approval

Specialist Review

Workover_or_Vertical_Deepen_COA_20231215141114.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: DEC 15, 2023 07:49 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: 12/15/2023

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		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	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		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: NENW / 480 FNL / 1980 FWL / TWSP: 17S / RANGE: 32E / SECTION: 28 / LAT: 32.7996775 / LONG: -103.7735678 (TVD: 0 feet, MD: 0 feet)

BHL: NENW / 480 FNL / 1980 FWL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Federal Bi SWD – HIT or Packer Leak and Upsize Tubing

Lea County, NM
API# 30-025-27068
AFE TBD – \$TBD

Hole in Tubing / Packer Leak

Objective

This well has a suspected hole in tubing or packer leak due to pressure on the 5.5” casing that equals the tubing pressure. It is proposed to pull and LD all Duo-Lined 2-7/8” tubing and replace all tubing with re-worked Polycore 3.5” with TDC tubing from Western Falcon. The tubing in the well is from 2011.

Notes:

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

Procedure

1. **Notification:** Contact the OCD and BLM at least 24 hours prior to the commencing of any operations
2. MI slickline and set 1.875” F profile plug in packer at ~9,630’
3. MI Frac tanks and call for ~320 bbls of ~11.6 ppg (double check calculations based on current well conditions) calcium chloride mud
4. Move in and rig up pulling unit and laydown machine
5. Blow down tubing and casing and ensure both blow to 0 with no flow/pressure
6. ND WH and NU hydraulic BOP
7. Release from the on/off tool (if unable, or casing does not blow down, shoot hole with wireline in tubing)
8. Begin circulating kill mud into the hole. 225 bbl is 5.5” casing capacity
9. Latch back onto and release packer and POOH while LD 2-7/8” duolined Tubing.

Last Tubing RIH Report (2/10/2022)

Daily Operations
<small>Operations Summary</small> AOL & PJSM, MIRU Hydrotest Testers, RIH W/ 5 1/2" x 2 7/8" AS 1X Packer W/ 1.875F SS Profile & T2 On/Off Tool, 10' x 2 7/8" NP Sub W/ 1.81R Nipple W/ PO Plug WLEG, RIH W/ Duo-Lined D-20 L-80 Tbg. Testing To 3K Below Slips, 3K Max Pressure Per Duo-Lined, Replace 20 2 7/8" L-80 Collars, Duo-Lined Tech On Location Inspecting Seals & Replacing, Test In The W/ 301 Jts. 2 7/8" Duo-Lined L-80 Tbg., Load Tbg. W/ 47 Bbls. 11.6# Kill Fluid, Set Packer W/ 10K Compression, L&T Csg. W/ 5 Bbls. 11.6# Kill Fluid, Test To 300#, GT,Secure Well & SDFN

10. MI new tubing from Western Falcon and backhaul old tubing – Western Falcon to sell for scrap
11. MI correct elevators for TDC tubing
12. With Western Falcon Tech on location, pick up bit and scraper and 3-1/2” Polycore TDC tubing from Western Falcon. Run in hole to 9,650’, work spot where packer will be set, and pull out of hole.

13. Run in hole hydrotesting tubing to 5,000 psi below the slips as follows:

Proposed Tubing Detail

~301 jts 3-1/2" std WF Polycore 9.3# EUE 8rd TDC tbg
3-1/2" x 2-7/8" SS XO
2-7/8" T-2 O/O tool NP w/ SS profile nipple
5.5" X 2-7/8" NP AS1X Packer
2 7/8" NP Pup
2 7/8" SS Landing Nipple
POP w/ WLREG

14. Set packer at same depth packer was at before, ~9,580' and test backside to 500psi, if successful test, continue, if pressure does not hold, contact engineer for next step
15. Get off on/off tool and circulate packer fluid, circulate kill mud back to frac tank
16. Latch back onto packer and after temperature has equalized, test again
17. Order 2 new 3.5" master valves with 3.5" 8rd SS nipple in between from AFS
18. ND BOP, NU tree and test backside again
19. Pump out POP and fill tubing with produced water
20. Notify NMOCD and BLM 48hrs in advance to witness MIT; run MIT in accordance to 19.15.26 NMAC.

Lea County, NM
API# 30-025-27068

13-3/8" 54.5# J-55 CSG @ 723'
CMT W/ 700 SX CLASS C
CIRC 175 SX TO SURFACE

25 SX CMT PLUG F/ 662'-775' (12/19/03)
DRILLED OUT 8/4/08

25 SX CMT PLUG F/ 775'-1,023' (12/19/03)
DRILLED OUT 8/5/08

25 SX CMT PLUG F/ 1,919'-2,173' (12/18/03)
DRILLED OUT 8/6/08

CIBP @ 3,136' w/ 25 SX (12/18/03)
TOC @ 2,882'
DRILLED OUT 8/10/08

9-5/8" 43.5/40# s-95 Csg @ 4,500'
CMT W/ 375 SX C W/ ADD
CMT W/ 900 SX LITE W/ ADD
CIRC 152 SX TO SURFACE

50 SX CMT PLUG F/ 4,450'-4,850' (3/23/93)
DRILLED OUT 8/10/08

CIBP @ 9,620 (1/16/11)
DRILLED OUT 1/24/11
NEW PLUG SET AT 9580'

TUBING DETAIL (3/3/22)
301 JTS 2-7/8" DUOLINE 20 IC TBG
5 1/2" 17# ASX PACKER @ 9580'

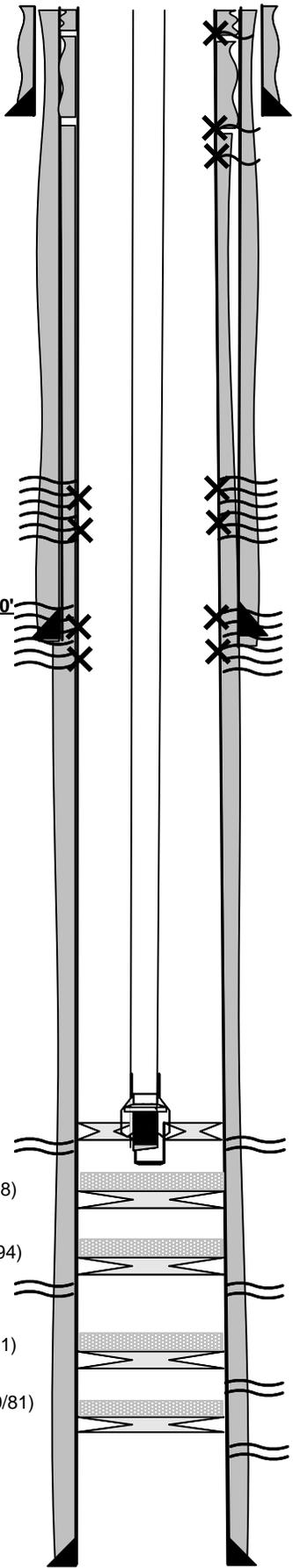
CIBP @ 9,975' w/ 35' CMT (8/19/08)

CIBP @ 11,590' w/ 35' CMT (3/23/94)

CIBP @ 12,300 w/ 35' CMT (2/19/81)

CIBP @ 12650' (2/19/81)

5 1/2" 17/20/23# N-80, s-95 Csg @ 12,967'
CMT W/ 1400 SX HL W/ ADD
CMT W/ 800 SX CLASS H W/ ADD
TIE BACK TO 9-5/8
TOC @ SURF PER CBL (8/18/08)



P&A PERFS (12/19/2003)

PERFS @ 950' (PRESSURED UP NO RATE), SQZD ON 3/6/11.
PERFS @ 773' (SQZD W/ 40 SX)
PERFS @ 60' (SQZD W/ 25 SX)

QUEEN PERFS (3198 - 3222')

9/29/1994: PERF 3198-3206', 3214-3222' FRAC W/
30,000# 20/40 MESH BRADY SAND
8/11/08: SET CMT RETAINER @ 3130'. SQZD PERFS W/ 350
SX C NEAT. DO CMT RETAINER & PLUG. CSG TESTED TO
800 PSI GOOD.
3/3/11: RE-SQZD PERFS.

CASING LEAKS

1/7/2009: LEAK F/ 4583-4644'. SQZD W/ 100 SX.
1/13/2011: LEAK F/ 24'-47'. SQZD W/ 1/2 BBL CMT. RAN
CAMERA AND FOUND MORE PIN HOLES & SPLITS. WASH
OVER TOP 2 JTS OF CSG, BACKED OFF & REPLACED.
3/3/2011: LEAK @ 4325'. SQZD.
3/14/11: LEAK F/ 4598-4608'. SQZD.

WOLFCAMP PERFS (9670 - 9875')

8/20/2008: PERF 9670 - 9875' ACIDIZED W/ 8,000 GAL ACID

STRAWN PERFS (11634 - 11,648')

1/19/1981: PERFS 11,634-11648', 4 JSPF, ACIDIZED W/
2000 GAL 7 1/2% MS ACID

MORROW PERFS (12,516 - 12,702')

1/19/81: PERF 12516-12524', 12536-12540' ACIDIZED W/
2500 GAL 7 1/2 MS ACID
1/19/81: PERFS 12668-12672', 12676-12680', 12693-
12702' W/ 2 SPF ACIDIZED W/ 3500 GAL 7 1/2% MS ACID

TD @ 12,992'
PBTD @ 9,940'

			Depth	9670
Current Conditions	Q	5200	Hydrostatic	4351.5
	Pbh	5301.5	Tubing Pressure	1940
	Pres (est)	3964.7	Friction	-990
Calculated Constant		3.89		
Proposed	Q	6705.386	Hydrostatic	4351.5
	Pbh	5688.5	Tubing Pressure	1940
	Pres (est)	3964.7	Friction	-603

$$II = \frac{Q}{P_{bhi} - P_e} = \frac{k_w \cdot h_i}{141.2 \cdot \mu_w \cdot B_w \cdot \left(\ln \frac{r_e}{r_w} + S \right)}$$

Online Hazens-Williams Calculator
Imperial Units

The calculators below can used to calculate the specific head loss (head loss per 1 00 ft (m) pipe) and the actual head loss for the actual length of pipe. Default values are from the example above.

l - pipe or tube length (ft)

c - roughness coefficient determined for the type of pipe or tube

q - flow rate (gal/min)

d - inside diameter (inch)

- Specific Head Loss (ft H₂O / 100 ft pipe): **23.6**
- Specific Head Loss (psi / 100 ft pipe): **10.2**
- Actual Head Loss (ft H₂O): **2285**
- Actual Head Loss (psi): **990**
- Velocity (ft/s): **12.2**

Online Hazens-Williams Calculator
Imperial Units

The calculators below can used to calculate the specific head loss (head loss per 1 00 ft (m) pipe) and the actual head loss for the actual length of pipe. Default values are from the example above.

l - pipe or tube length (ft)

c - roughness coefficient determined for the type of pipe or tube

q - flow rate (gal/min)

d - inside diameter (inch)

- Specific Head Loss (ft H₂O / 100 ft pipe): **14.4**
- Specific Head Loss (psi / 100 ft pipe): **6.24**
- Actual Head Loss (ft H₂O): **1393**
- Actual Head Loss (psi): **603**
- Velocity (ft/s): **11.2**

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 1st through June 15th 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 295457

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 295457
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	Upsizing the tubing from 27/8' to 3.5 " is approved with conditions that the same MASIP approved by the respective SWD-order is maintained and the packer is set not more than 100 ft. above the top of the injection interval.	12/18/2023