

Well Name: EMPIRE FEDERAL SWD 10	Well Location: T17S / R29E / SEC 10 / NWNE /	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMLC028731B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001539446	Well Status: Water Disposal Well	Operator: SPUR ENERGY PARTNERS LLC

Notice of Intent

Sundry ID: 2719903

Type of Submission: Notice of Intent	Type of Action: Workover Operations
Date Sundry Submitted: 03/09/2023	Time Sundry Submitted: 09:26
Date proposed operation will begin: 03/11/2023	

**Procedure Description:** This well has a suspected leaking on/off tool seal or packer leak due to 1400 psi on the casing when h- pump was running. All tubing, packer and on/off tool were replaced a month ago and tested good at that time. We are going to slickline set a plug in the packer and perform a negative pressure test to confirm if it is the on/off tool or packer that has the leak. Please find procedure and WBD attached for your review.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Empire\_\_5\_SWD\_Revised\_On\_Off\_Packer\_Leak\_Procedure\_20230314140442.pdf

Received by OCD: 3/15/2023 7:55:36 AM

Page 2 of 6

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US Well Number: 3001539446	Well Status: Water Disposal Well	Operator: SPUR ENERGY PARTNERS LLC

Conditions of Approval

Specialist Review

Workover\_or\_Vertical\_Deepen\_COA\_20230314154357.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: MAR 14, 2023 02:04 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: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Approved	Disposition Date: 03/14/2023
Signature: Jonathon Shepard	

**Empire Federal SWD #5**  
**On/Off tool / Packer Leak**

Eddy County, NM  
 API# 30-015-39446  
 AFE – TBD - \$TBD

**Objective**

This well has a suspected leaking on/off tool seal or packer leak due to 1400 psi on the casing when h-pump was running. All tubing, packer and on/off tool were replaced a month ago and tested good at that time. We are going to slickline set a plug in the packer and perform a negative pressure test to confirm if it is the on/off tool or packer that has the leak.

**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.

**Procedure – On/Off tool leak**

1. **Notification:** Contact the OCD at least 24 hours prior to the commencing of any operations.
2. Move in rig up pulling unit.
3. Blow well down.
4. Nipple down wellhead. Nipple up BOP.
5. Release from on off tool and POOH with tubing and on/off top as follows:

**Tubing Detail (1/31/23)**

Current Tubing String									
Tubing Description					Set Depth (ftKB)		Run Date		
Tubing					8,270.6		1/31/2023		
Item Des	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Jts	Cum Len (ft)	Top (ftKB)	Btm (ftKB)
KB/ELEVATION					15.00		8,270.62	0.0	15.0
3 1/2" WF POLYCORE EUE 8RD TBG.	L-80	9.30	3 1/2	2.50	8,233.48	253	8,255.62	15.0	8,248.5
3 1/2" X 2 7/8" SS X-OVER			4 1/2	2.50	1.32	1	22.14	8,248.5	8,249.8
NP T-2 ON-OFF TOOL W/2 31" F PROFILE IN SS T-2 SEAL NIPPLE			5 1/2	2.25	1.82	1	20.82	8,249.8	8,251.6
7" X 2 7/8" NP AS 1-X 17- 26# PACKER			6	2.44	7.68	1	19.00	8,251.6	8,259.3
NICKEL PLATED PUP JT.	L-80	6.50	2 7/8	2.44	10.08	1	11.32	8,259.3	8,269.4
SS 2.25" R Profile Nipple W/2 197" NOGO ID			2 7/8	2.20	0.81	1	1.24	8,269.4	8,270.2

6. Send in condition of on/off tool and redress on/off tool and trip back in hole, trip in hole with tubing without hydrotesting
7. Circulate in fresh packer fluid, ensure pumping rate does not damage on/off seals
8. Latch up to packer and set 30k in compression on the packer, a 2' sub may be required.
9. Load and test casing to 500 psi for 30 mins.
10. If good test, Nipple down BOP. Nipple up wellhead.
11. Rig down pulling unit.
12. Notify NMOCD 48hrs in advance to witness MIT and then perform MIT. Ensure chart and paperwork are turned into the office, if OCD is present, ask if they can update the OCD site with the new well status.

**Procedure – Packer Leak**

1. **Notification:** Contact the OCD at least 24 hours prior to the commencing of any operations.
2. Well shows to have 600 psi on surface. Ensure there is enough 11.6 ppg clear mud to kill the well in the frac tank.
3. Move in rig up pulling unit.
4. If well is not flowing, nipple down wellhead. Nipple up BOP.
5. If well is flowing, discuss with engineer plan forward. May have to shoot a hole in bottom joint
6. Circulate kill fluid
7. Release packer.
8. POOH with tubing and packer as follows:

**Tubing Detail (1/31/23)**

Current Tubing String									
Tubing Description					Set Depth (ftKB)		Run Date		
Tubing					8,270.6		1/31/2023		
Item Des	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Jts	Cum Len (ft)	Top (ftKB)	Btm (ftKB)
KB/ELEVATION					15.00		8,270.62	0.0	15.0
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3 1/2" X 2 7/8" SS X-OVER			4 1/2	2.50	1.32	1	22.14	8,248.5	8,249.8
NP T-2 ON-OFF TOOL W/2.31" F PROFILE IN SS T-2 SEAL NIPPLE			5 1/2	2.25	1.82	1	20.82	8,249.8	8,251.6
7" X 2 7/8" NP AS 1-X 17-26# PACKER			6	2.44	7.68	1	19.00	8,251.6	8,259.3
NICKEL PLATED PUP JT.	L-80	6.50	2 7/8	2.44	10.08	1	11.32	8,259.3	8,269.4
SS 2.25" R Profile Nipple W/2.197" NOGO ID			2 7/8	2.20	0.81	1	1.24	8,269.4	8,270.2

9. Send in condition of packer and off tool to engineer, send both back to the shop to be redressed
10. Trip in hole with same packer BHA design and tubing designed as was pulled out.
11. Set packer at same depth as where it was minus the distance we need to come up hole to increase our weight on packer to 30k
12. Release from on/off tool and circulate packer fluid, try to save mud if possible.
13. Latch up to packer and Run "negative" casing test for 30 minutes.
14. Load and test casing to 500 psi for 30 mins.
15. If good test, Nipple down BOP. Nipple up wellhead.
16. Test backside again to 500 psi.
17. Rig down pulling unit.
18. Notify NMOCD 48hrs in advance to witness MIT and then perform MIT. Ensure chart and paperwork are turned into the office, if OCD is present, ask if they can update the OCD site with the new well status.

# Empire Federal SWD #5

Eddy County, NM  
API# 30-015-39446

SPUD DATE: 10/29/2011  
ELEV: 3,601' GL ?' KB

**13-3/8" 48# H-40 Csg @ 248'**

17-1/2" HOLE  
CMT W/ 162 SX  
CIRC TO SURF

**9-5/8" 40# J-55 Csg @ 2,612'**

12-1/4" HOLE  
CMT W/ 700 SX  
CIRC TO SURF

DV TOOL @ 7,001'

**7" 26# L-80 Csg @ 8,352'**

**FC @ 8,259'**

8-3/4" HOLE  
CMT W/ 400 SX IN 1<sup>ST</sup> STAGES  
CMT W/ 1000 SX IN 2<sup>ND</sup> STAGE  
CIRC TO SURF

**TUBING DETAIL**

253 JTS 3-1/2" 9.3# POLYCORE L80 8RD NEW TUBING  
SS XO  
O/O TOOL W/ 2.31 F NIPPLE  
7" x 2-7/8" NP AS1X PACKER @ +/- 8,259'  
10' NP SUB  
SS 2.25" R NIPPLE W/ 2.197" NO-GO  
WLREG

**CISCO OPEN HOLE (8,352'-8,950')**

TD @ 8,950'  
TVD @ 8,950'  
PBDT @ 8,950'

**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 197213

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 197213
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	3/15/2023