

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

Well Name: EMPIRE FEDERAL SWD 10

Well Location: T17S / R29E / SEC 10 / NWNE /

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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

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 BRD 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)	Btn (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	

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: 10/29/2017
ELEV: 3,601' GL ?' KB

CURRENT WBD

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'

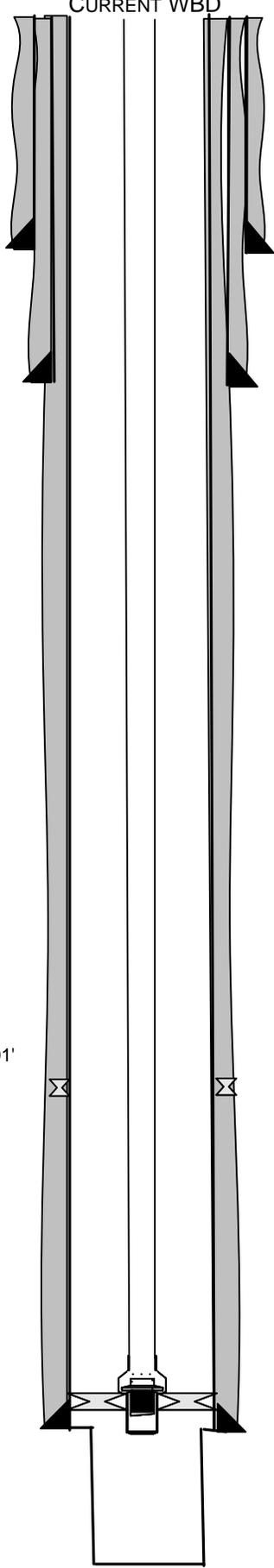
7" 26# L-80 Csg @ 8,352'
FC @ 8,259'
8-3/4" HOLE
CMT W/ 400 SX IN 1ST STAGES
CMT W/ 1000 SX IN 2ND STAGE
CIRC TO SURF

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