

Submit Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-38972
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other SWD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator SPUR ENERGY PARTNERS LLC		6. State Oil & Gas Lease No.
3. Address of Operator 9655 KATY FREEWAY, SUITE 500, HOUSTON, TX 77024		7. Lease Name or Unit Agreement Name EMPIRE STATE SWD 9
4. Well Location Unit Letter <u>A</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>540</u> feet from the <u>EAST</u> line Section <u>09</u> Township <u>17S</u> Range <u>29E</u> NMPM <u>EDDY</u> County		8. Well Number 4
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3582' GR		9. OGRID Number 328947
		10. Pool name or Wildcat SWD; CISCO

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: WORKOVER <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The Empire State SWD 9 #4 that we just worked over, shows to have pressure on the backside when the pump is running again. We suspect that we have another pin hole in tubing or a packer leak. We will set a plug in the packer first to identify which is the most likely issue and proceed from there.

Attached is the proposed procedure and current WBD.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sarah Chapman TITLE REGULATORY DIRECTOR DATE 04/02/2024

Type or print name SARAH CHAPMAN E-mail address: SCHAPMAN@SPURENERGY.COM PHONE: 832-930-8613

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Empire State SWD 9 #4

Eddy County, NM

API# 30-015-38972

XTBD – \$TBD

Hole in Tubing / Packer Leak**Objective**

This well worked over less than a week ago and shows to have pressure on the backside when the pump is running. It is proposed to attempt to set a plug in the packer profile and test the tubing. If we are able to make it all the way down, it is likely that the liner is not collapsed, and tubing is competent. If after pressuring up on the tubing with a plug in the profile there is pressure on the backside, then the tubing or on/off is likely bad, if that test does not show communication, it is likely the packer. If the packer is suspected to be the issue, then we will move the packer up 10' and test again. If the on/off or tubing is suspected to be the issue, we will pull tubing, on/off and packer and inspect.

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 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. Move any remaining 11.6# CaCl kill fluid from the Empire #3 SWD.
4. Ensure well is at 0 psi, kill the well if needed. 11.6# Calcium Chloride should be enough to kill the well, there shows to be 780psi on the tubing. Nipple down wellhead. Nipple up BOP. Release from the on/off tool and circulate kill fluid.
5. Unset packer and move up hole 10' and LD 10' sub.

Tubing Detail (3/20/2024)

Current Tubing String									
Tubing Description Tubing - Production					Set Depth (ftKB)		Run Date		
					8,334.5		3/20/2024		
Item Des	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Jts	Cum Len (ft)	Top (ftKB)	Btm (ftKB)
KB FACTOR					18.00	1	8,334.53	0.0	18.0
STANDARD POLYCORE	L-80	10.20	3 1/2	2.50	33.20	1	8,316.53	18.0	51.2
PUP JT	L-80	10.20	3 1/2	2.50	10.18	1	8,283.33	51.2	61.4
PUP JT	L-80	10.20	3 1/2	2.50	2.44	1	8,273.15	61.4	63.8
STANDARD POLY CORE	L-80	10.20	3 1/2	2.50	6,032.38	183	8,270.71	63.8	6,096.2
MOD POLYCORE	L-80	10.20	3 1/2	2.43	2,182.85	67	2,238.33	6,096.2	8,279.0
MOD POLYCORE	J-55	10.20	3 1/2	2.43	32.58	1	55.48	8,279.0	8,311.6
T-2 ON/OFF TOOL			5.8	2.31	2.10	1	22.90	8,311.6	8,313.7
7" X3-1/2 AS1X PACKER 10K CARBIDE SLIPS			6	2.99	8.08	1	20.80	8,313.7	8,321.8
CROSSOVER	SS316		4 1/2	2.44	1.32	1	12.72	8,321.8	8,323.1
PUP JT	NICKLE PLATED	6.50	2 7/8	2.44	10.09	1	11.40	8,323.1	8,333.2
LANDING NIPPLE 2.25 R PROFILE	SS316		3.62	2.25	0.87	1	1.31	8,333.2	8,334.1
PUMPOUT PLUG 4 PINS 1500PSI			3.62		0.44	1	0.44	8,334.1	8,334.5

6. Set packer at +/- 8,304'
7. Test backside and tubing, if test good, proceed.
8. Circulate packer fluid into the hole and mud out. Attempt to save uncontaminated mud if possible.
9. Latch back onto the packer and top off the annulus with packer fluid. Consult engineer on how much compression should be set on packer.
10. Load and test casing to 500 psi for 30 mins.
11. Load and test tubing to 500 psi for 30 mins.
12. If good test, Nipple down BOP. Nipple up wellhead.
13. Test backside again.
14. Rig down pulling unit.
15. 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 any remaining 11.6# CaCl kill fluid from the Empire #3 SWD.
2. Kill tubing and NU BOP, release from the on/off tool and kill the well and ensure well is at 0 psi, 11.6# Calcium Chloride should be enough to kill the well, there shows to be 780psi on the tubing.
3. Latch back onto the packer and unset packer and pull tubing out of hole while inspecting for holes.
4. Inspect on/off tool and packer to see if there are any issues found.
5. Replace damaged equipment with new and run back in hole with the same BHA and tubing design minus the 10' tubing sub.
6. Set packer at +/- 8,304'
7. Circulate packer fluid into the hole and mud out. Attempt to save uncontaminated mud if possible.
8. Latch back onto the packer and top off the annulus with packer fluid. Consult engineer on how much compression should be set on packer.
9. Load and test casing to 500 psi for 30 mins.
10. Load and test tubing to 500 psi for 30 mins.
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.

Empire State SWD 9 #4

Eddy County, NM
API# 30-015-38972

SPUD DATE: 10/17/2011
ELEV: 3,582' GL 18.5' KB

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

17-1/2" HOLE
CMT W/ 500 SX
CIRC 309SX TO SURF

9-5/8" 40# J-55 Csg @ 2,405'

12-1/4" HOLE
CMT W/ 750 SX
CIRC 32SX TO SURF

TUBING DETAIL

KB 18'
1 JT 3-1/2" STD POLYCORE 33'
2 3-1/2" PUPS STD POLYCORE 13'
183 JTS 3-1/2" STD POLYCORE 6,032'
68 JTS 3-1/2" MODIFIED POLYCORE 2,215'
O/O TOOL W/ 2.31F PROFILE NIPPLE 2'
7" x 3-1/2" NP AS1X PACKER @ +/- 8,321' - 8'
SS XO
2-7/8" 6' NP SUB
SS 2.25" R PROFILE NIPPLE

DV TOOL @ 6,999'

7" 26# L-80 Csg @ 8,385'

FC @ 8,259'

8-3/4" HOLE
CMT W/ 450SX IN 1ST STAGE, CIRC 110 TO SURFACE
CMT W/ 1050 SX IN 2ND STAGE, CIRC 245 TO SURFACE

CISCO OPEN HOLE (8,385'-8,805')

TD @ 8,805'
TVD @ 8,805'
PBDT @ 8,805'

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Santa Fe, NM 87505

CONDITIONS

Action 328780

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 328780
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	Should tube replacement be required, the same tube size should be replaced as stipulated by the respective order. The packer shall not be set more than 100 ft. from the top of the perforation or the top part of the injection interval.	4/15/2024