

Submit a 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

WELL API NO.	30-015-28164
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	LAKEWOOD FARMS SWD 18
8. Well Number	1
9. OGRID Number	328947
10. Pool name or Wildcat	SWD; CISCO-CANYON
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3385' GR	

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.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD ☐

2. Name of Operator
SPUR ENERGY PARTNERS LLC

3. Address of Operator
9655 KATY FREEWAY, SUITE 500, HOUSTON NM TX 77024

4. Well Location
Unit Letter D: 660 feet from the NORTH line and 660 feet from the WEST line
Section 18 Township 19S Range 25E NMPM EDDY County

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: <input type="checkbox"/>	OTHER: RESULTS OF STEP RATE TEST <input checked="" 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.

Spur Energy Partners LLC is requesting for an incresase in pressure limit on the above well.

Please find attached results of step rate test and the post job report.

Expected Rate: 4.5 BPM

Expected Pressure: 2700 PSI

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 02/15/2024

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):



	Date:	Time:
Truck Called:	11/15/2023	5:00 AM
Arrived at location:	11/15/2023	8:00 AM
Start Job:	11/15/2023	11:10 AM
Finish Job:	11/15/2023	4:50 PM
Leave Location:	11/15/2023	5:10 PM

Job Log

Acid Tech Services	Customer Name:	SPUR ENERGY		
P.O. BOX	Lease Name:	LAKEWOOD FARMS		23AA1115-A
MIDLAND, TEXAS 79711	Well #:	SWD 18 001	Supervisor:	ANGEL ARANGO
OFFICE # 432-563-2243	Type of Job:	STEP RATE	County:	EDDY
FAX #432-563-0449	Date:	11/15/2023	CUSTOMER REPRESENTATIVE:	
Tubing Size:	Casing size:	Tbg Capacity:		
Tubing weight:	Casing weight:	Top Perf:		On Form:
Tubing bbl/Inft	Casing bbl/Inft:	Bottom Perf:		
Packer depth:	Annulus:	Flush Top Perf:		
End of Tbg:	Total Depth:	Flush Bottom Perf:		
Top Perf:	Open Hole:	Annular Capacity:		
Bottom Perf:	Liner Size:	Maximum:		Psi
Holes in Csg:	Top of Liner			
Max psi: 2,620	Min psi: 220	Avg psi: 1,438	Max rate: 5	Avg rate: 2.6
				ISIP 1904
Load to recover	881 BBLs	1,734	5 min	1,576
			10 min	1,414
			15 min	

Acid Systems

Acid System:	N/A	Gallons	N/A		
Diverter:	N/A	Balls	N/A	Coarse Rock Salt	N/A
				Arrive on Loc:	
				Safety Meeting:	

	Injection Rate:			Job Pressures		Job Log Remarks:
Time	Rate:	Bbls in		Tbg psi.	Csg psi	
10:05 AM						RIG UP AND CONNECT TO WELL
11:09 AM						PRIME AND PRESSURE TEST LINES
11:10 AM				220	O	OPEN WELL @ 220 PSI
11:12 AM	0.4	O		228	O	ESTABLISH RATE AND PSI ON WATER @ 0.4 BPM
11:22 AM	0.4	4		300	O	RATE/PSI CHECK
11:32 AM	0.4	9		317	O	RATE/PSI CHECK
11:42 AM	0.4	13		325	O	RATE/PSI CHECK
11:52 AM	0.4	17		331	O	RATE/PSI CHECK
11:57 AM	0.4	19		336	O	RATE/PSI CHECK
11:58 AM	0.8	20		368	O	INCREASE RATE 0.8 BPM
12:08 PM	0.8	28		431	O	RATE/PSI CHECK
12:18 PM	0.8	36		447	O	RATE/PSI CHECK
12:29 PM	0.8	45		470	O	RATE/PSI CHECK
12:38 PM	0.8	52		471	O	RATE/PSI CHECK
12:43 PM	0.8	56		477	O	RATE/PSI CHECK
12:46 PM	1.6	59		553	O	INCREASE RATE 1.6 BPM
12:56 PM	1.6	75		710	O	RATE/PSI CHECK
1:07 PM	1.6	92		781	O	RATE/PSI CHECK
1:16 PM	1.6	107		830	O	RATE/PSI CHECK
1:26 PM	1.6	122		847	O	RATE/PSI CHECK
1:31 PM	1.6	130		862	O	RATE/PSI CHECK
1:31 PM	3.2	132		1,154	O	INCREASE RATE 3.2 BPM

SERVICE REPRESENTATIVE:	Signature Please	CUSTOMER REPRESENTATIVE:	Signature Please
ANGEL ARANGO		X	

Lakewood Farms SWD SRT Job Report

11/9/2023

2 frac tanks set and filled with produced water from battery. Same produced water that is currently being injected at this facility.

11/10/2023

Set BHPG with slickline. Tandem BHPG set on 1 second data, have 1mm data point capturing capability - enough for 11.5 days.

11/13/2023

Well shut in at 8am – 48hrs prior to SRT

11/15/2023

Arrived on location, Acid tech already on location. Rig up iron. Rig up hose to casing, pressure up to 531 psi and monitor pressure with transducer, can be seen on pump chart. 10 psi lost during the beginning of test and held flat for the remainder of the test. Casing integrity confirmed. Bleed casing off and monitor via transducer for entire job. Rig up pumps back to iron and after 30 minutes, pressure tested up to Acid Tech's valve to 3800 psi, tubing transmitter located on the tubing right above master valve. Began SRT.

Due to the increased rate seen the day before at the Osage SWD SRT, steps were adjusted to more quickly increase rate.

SITP to start 220 psi

Step 1: .4 BPM for 45 mins - tubing pressure at the end of the stage - 336

Step 2: .8 BPM for 45 mins - tubing pressure at the end of the stage - 477

Step 3: 1.6 BPM for 45 mins - tubing pressure at the end of the stage - 862

Step 4: 3.2 BPM for 45 mins - tubing pressure at the end of the stage - 1860

Adjustment made on the fly due to approaching max pressure for this job. Decrease step 5, 6 and 7 rates.

Step 5: 3.8 BPM for 45 mins - tubing pressure at the end of the stage – 2155

Step 6: 4.4 BPM for 45 mins - tubing pressure at the end of the stage - 2401

Step 7: 5 BPM for 45 mins - tubing pressure at the end of the stage – 2614

ISIP - 1904

5 min shut in pressure - 1734

10 min shut in pressure - 1576

15 min shut in pressure - 1414

Rig down and move out pumps.

11/16/2023

RU slickline truck and retrieve BHPG. Data sent to engineer to begin processing.

Original Proposed Steps:

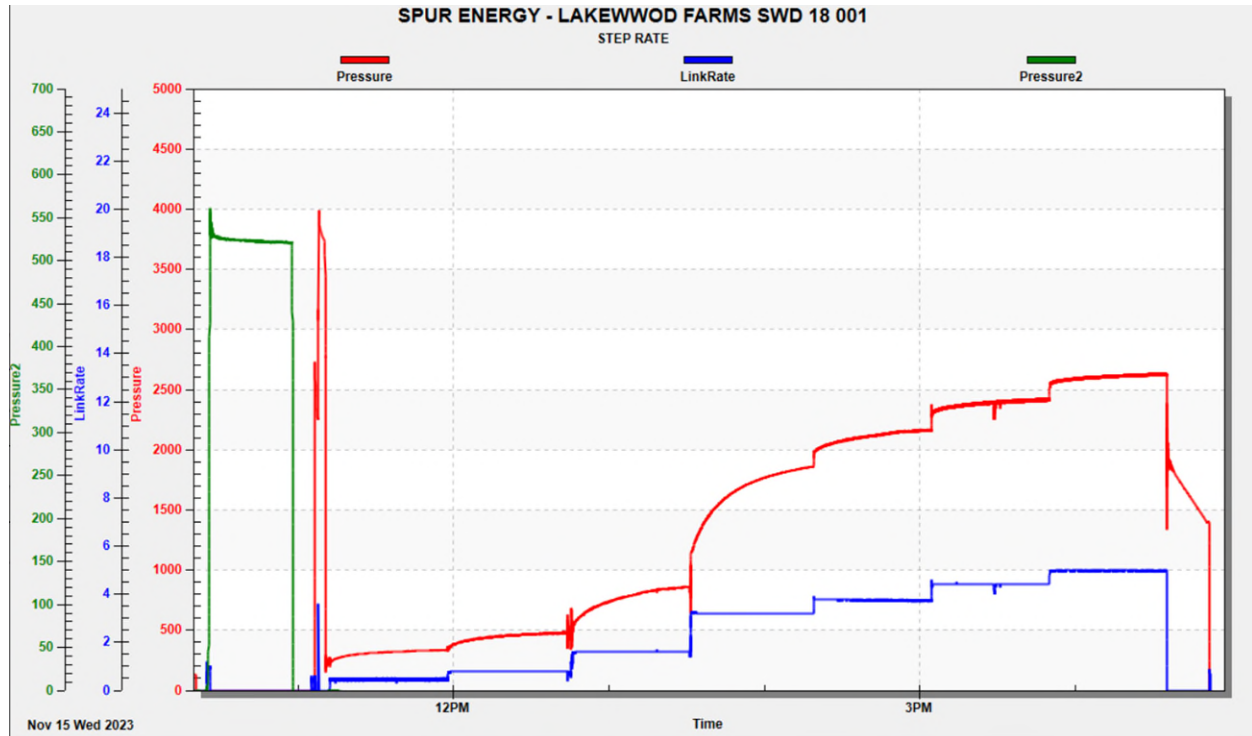
Step Rate Test - 3k Well Head					
Step	Time Start (mins)	Time End (mins)	Rate (BPM)	Stage Volume (Bbl)	Cumulative Volume (Bbl)
1	0	45	0.25	11	11
2	45	90	0.45	20	32
3	90	135	0.90	41	72
4	135	180	1.80	81	153
5	180	225	2.70	122	275
6	225	270	3.60	162	437
7	270	315	4.50	203	639

Adjusted Steps due to rapid rate increase seen and Osage Boyd SWD SRT:

Step Rate Test - Proposed					
Step	Time Start (mins)	Time End (mins)	Rate (BPM)	Stage Volume (Bbl)	Cumulative Volume (Bbl)
1	0	45	0.40	18	18
2	45	90	0.80	36	54
3	90	135	1.60	72	126
4	135	180	3.20	144	270
5	180	225	4.80	216	486
6	225	270	6.40	288	774
7	270	315	8.00	360	1134

Actual Steps due to standard pressure increase:

Step Rate Test - Actual					
Step	Time Start (mins)	Time End (mins)	Rate (BPM)	Stage Volume (Bbl)	Cumulative Volume (Bbl)
1	0	45	0.40	18	18
2	45	90	0.80	36	54
3	90	135	1.60	72	126
4	135	180	3.20	144	270
5	180	225	3.80	171	441
6	225	270	4.40	198	639
7	270	315	5.00	225	864



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Santa Fe, NM 87505

CONDITIONS

Action 314621

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 314621
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	3/7/2024