

API #	30-015-26270	Lakewood SWD #4	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	6-19S-26E
Field	SWD; Canyon		Footage	1953' FSL and 663' FWL
Spud Date	1/14/1990		Survey	32.688015,-104.4276886

Formation (MD)	
Grayburg	548
San Andreas	929
Glorieta	2452
Tubb	3959
Abo	
Wolfcamp	6179
Canyon	7641
Strawn	8260
Atoka	8653

RKB	
GL	

Hole Size	17-1/2"
TOC	surf
Method	circ returns

Csg Depth	296'
Size	13-3/8"
Weight	54.5#
Grade	J-55
Connections	
Cement	520sx

Hole Size	12-1/4"
TOC	surf
Method	circ returns

Csg Depth	1350'
Size	8-5/8"
Weight	24#
Grade	J-55
Connections	
Cement	1112sx

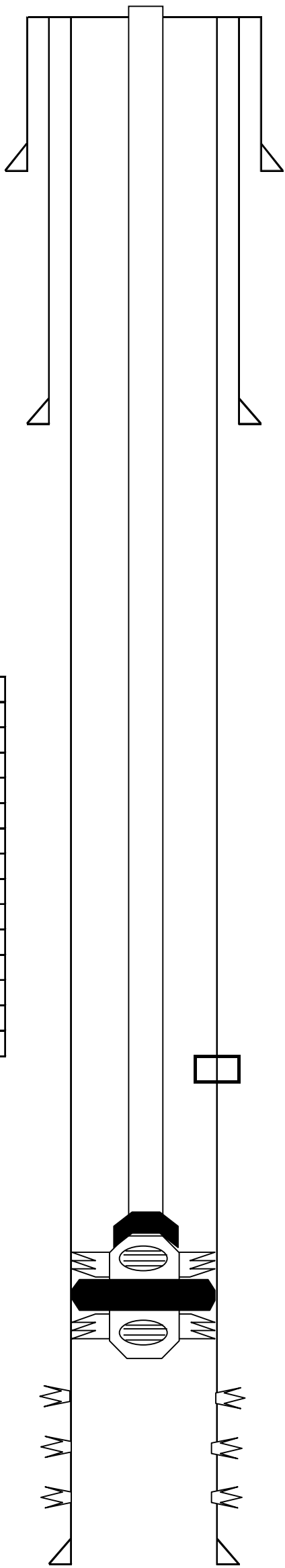
Tubing Detail				
Jts	Size	Depth	Length	Detail
238	2-7/8"	7746.9	7746.9	2-7/8" L-80 6.5# EUE 8rd IPC
1	2-3/8"	7748.03	1.13	F Profile (1.88" ID)
1	PKR	7755.03	7	5-1/2" AS1-X nickel plated pkr
1	2-7/8"	7761.03	6	Pup Jt
1	2-3/8"	7761.73	0.7	R Profile
1	2-3/8"	7762.23	0.5	Pump out plug

Hole Size	7-7/8"
TOC	surf
Method	circ returns

Csg Depth	8220'
Size	5-1/2"
Weight	17#
Grade	L-80
Connections	LTC
Cement	1350sx

Last Update	4/20/2022
By	Mike Miller

PBTD	8180'
TD MD	8870'
TD TVD	8870'



Well History

7/10/2013 Rig up and drill out cement plugs to 8220'. Circulate hole clean, ran and cemented 5 1/2" Casing.

7/15/2013 Rig up and drill DV tool. Continue in hole and tag @ 8180'

7/16/2013 Perforate Canyon 4 SPF: 7846 - 7980 (Total 296 holes)
Acidize with 13,000g 15% HCl + 600 balls, max rate 7.4 bpm. ISIP 0 psi.

7/24/2013 Acidize with 25,200g 20# linear gel, 59,976g 15% HCl, 31,584g 10# brine, 10,000# rock salt
Flush with 232 bbls treated water. Avg rate 61 bpm, ISIP 2659 psi

8/1/2013 Run 2-7/8 tubing and packer with packer set at 7753'. Tested good to 500 psi.

8/4/2013 MIT Test good to 600 psi

10/17/2014 Acidize with 4500g 15% HCl at 2 bpm, flush with 60 bbls of produced water. ISIP 0 psi.

4/10/2018 Repair HIT, new packer depth of 7745'. Passed MIT.

10/30/2021 Repair HIT, new packer depth of 7755'. Passed MIT.

DV Tool @ 7019'

2-7/8" tbg w/ pkr set at 7755'

Perforations
7846'-7980'
296 holes, 4 spf

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

DEFINITIONS

Action 100148

DEFINITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	100148
Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)	

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator".

This form must be completed as part of OCD's Seismicity Response Protocol and updated after any qualifying event thereafter.

Applicability: This form must be completed for each well classified as an Underground Injection Control (UIC) Class II disposal well or Class II enhanced recovery injection well with active injection authority (wells). "Active injection authority" means a well that is authorized to inject pursuant to an administrative permit or hearing order. This includes wells that have an approved Application for Permit to Drill and have an approved injection permit but have not yet been drilled or commenced injection.

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QUESTIONS

Action 100148

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 100148
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

QUESTIONS

Prerequisites	
Well	[30-015-26270] LAKEWOOD SWD #004

Seismic Event Information

The source and reference ID is required, if you would like to submit information of a new seismic event.

Source of information (i.e., USGS, NMTSO, TexNet, other)	USGS
Reference ID from source of information	us7000gx5v
Magnitude	2.6
Latitude	32.55000
Longitude	-104.43000
Date of occurrence	03/25/2022
Depth of occurrence (kilometers)	5.00

Injection Order

Please indicate the latest (current) injection order permitting injection for this well.

Admin Order (SWD-#)	SWD-1406-A [pWVJ1308456291]
Hearing Order (R-#)	Not answered.

Well Information

The following information is required for each well permitted within a 10-mile proximity of the epicenter.

Distance from epicenter (miles)	10
Top perforated and/or open-hole interval (vertical depth in feet)	7,846
Bottom perforated and/or open-hole interval (vertical depth in feet)	7,984
Formation(s) completed	SWD; CANYON

Well Information Prior to Injection Volume Reduction

Daily rates and pressures are based on the active injection days during the prior 6-month period.

Average daily injection rate (BBLS per day), prior to reduction	2,519
Average injection daily pressure (PSI), prior to reduction	1,280
Well Type (i.e., Commercial, Lease Only, Single Operator)	SINGLE OPERATOR

Well Information After Injection Volume Reduction

The following information is required for each well permitted within a 10-mile proximity of the epicenter.

Required injection rate reduction percentage (0%, 25%, 50%, Shut-in)	0%
Average daily injection rate (BBLS per day) limit, post reduction	0
Average injection daily pressure (PSI) limit, post reduction	0
Reduction start date	03/25/2022
Reduction achieved date	03/25/2022

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	This operator acknowledges that it must take the appropriate following action(s) as part of its seismic response protocol:
<input checked="" type="checkbox"/>	This operator shall report the daily injection volumes and pressures for each well on a weekly basis on the form prescribed by the OCD. The report is due on the Wednesday the week following the weekly monitoring interval.
<input checked="" type="checkbox"/>	This operator shall start or continue to digitally measure injection volumes and pressures for each well at a minimum of an hourly basis, and shall archive the data and make it available to OCD upon receipt of a written request.
<input checked="" type="checkbox"/>	This operator shall monitor seismicity events with magnitudes equal to or greater than M2.5 within a radius of 10 miles around each well using USGS / NMTSO data, and shall archive the data and make it available to OCD upon receipt of a written request.
<input checked="" type="checkbox"/>	This operator shall notify OCD and provide updated pertinent well information within 24 hours of an event greater than M 2.5 within a radius of 10 miles around each well using this OCD form.
<input checked="" type="checkbox"/>	After each event greater than M 2.5 within a radius of 10 miles around each well, this operator shall inspect well head and well equipment of each well to ensure proper working order. As part of this inspection, Operator should evaluate whether a Bradenhead test or MIT is warranted to ensure wellbore integrity.
<input checked="" type="checkbox"/>	I certify that, after reasonable inquiry and based on the available information at the time of submittal, this Seismic Information Form is true and correct to the best of my knowledge, and I acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
aschaefer	Accepted for record	1/6/2023