

API #	30-015-40717	Lakewood SWD #1	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	8-19S-26E
Field	SWD; Canyon		Footage	1220' FNL and 2490' FEL
Spud Date	10/10/2012		Survey	32.6792526,-104.4036789

Formation (MD)	
Grayburg	613
San Andreas	982
Glorieta	2227
Tubb	4236
Abo	5230
Wolfcamp	6625
Canyon	7732
Strawn	8278
Atoka	

GL Elevation	3353
KB adjustment	12.04

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

Csg Depth	1350'
Size	9-5/8"
Weight	40#
Grade	J-55
Connections	LTC
Cement	838sx

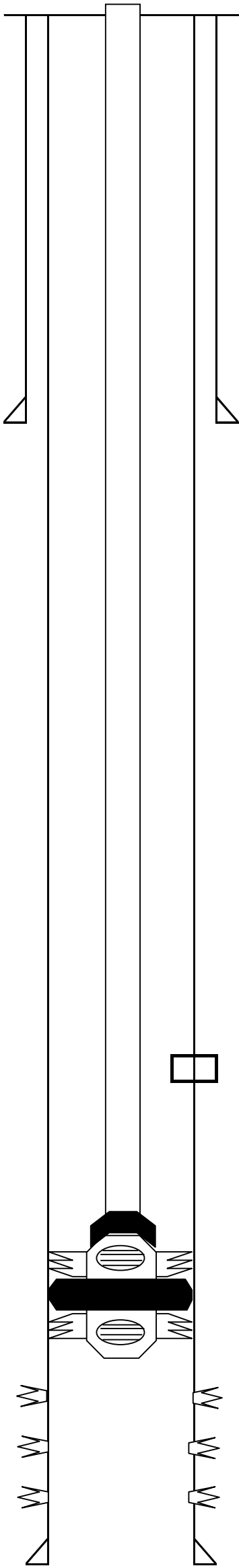
Hole Size	8-3/4"
TOC	surf
Method	circ returns

Csg Depth	8434'
Size	7"
Weight	26#
Grade	HCL-80
Connections	LTC
Cement	1846sx

Tubing Detail				
Jts	Size	Depth	Length	Detail
237	3-1/2"	7746.5	7746.5	3-1/2" 9.3# L-80 IPC Tubing
1	3-1/2"	7747	0.5	Crossover
1	2-7/8"	7748.6	1.6	On/off tool
1	PKR	7756.4	7.8	7" AS1-X nickel plated pkr w/ 2.31 F profile
1	2-7/8"	7762.4	6	Pup Jt Nickel plated
1	2-7/8"	7764	1.6	2.31" R Profile
1	2-7/8"	7764.7	0.7	Pump out plug

Last Update	4/20/2022
By	Mike Miller

PBTD	8180'
TD MD	8434'
TD TVD	8434'



**Well History**

10/25/2012 Rig up and drill out to 8434'. Circulate hole clean, ran and cemented 5 1/2" Casing.

11/1/2012 Rig up and drill DV tool. Continue in hole, drilling cement to 8386'

11/8/2012 Perforate Canyon 4 SPF: 7891 - 8084 (Total 256 holes)

11/9/2012 Acidize with 5,000g 15% HCl + 360 balls, rate 5.4 bpm. ISIP 0 psi.

11/14/2012 Set RBP and perf 7840-50', 7862-70' (Total 72 holes)

11/15/2012 Acidize with 3,000g 15% HCl + 100 balls, rate 5.4 bpm. ISIP 0 psi.

11/19/2012 Pull RBP, acidize both intervals with 45,000g 15% HCl + 20,000# rock salt, rate 10 bpm. ISIP 0 psi.

11/21/2012 Run 3-1/2" IPC tubing and packer set @ 7765'. Test to 700#, good test.

11/26/2012 Passed MIT.

8/3/2014 Acidize with 40,000g 15% HCl + 11,000# rock salt, rate 13 bpm. ISIP 0 psi.

3/3/2015 Acidize with 4,500g 15% HCl, rate 2 bpm.

1/17/2016 Acidize with 4,500g 15% HCl.

4/26/2017 Pulled for hole in tubing, ran back in with 3-1/2" IPC tubing and packer set at 7756'. Passed MIT.

8/17/2021 Acidize with 6,500g 15% HCl, rate 3.4 bpm.

DV Tool @ 6869'

3-1/2" tbg w/ pkr set at 7756'

**Perforations**  
7840' - 7850', 7862' - 7870'  
72 holes, 4 spf

7891' - 8084'  
256 holes, 4 spf

**District I**  
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**District II**  
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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 100129

DEFINITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 100129
	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: <ul style="list-style-type: none"><li>this application's operator, hereinafter "this operator".</li></ul>
This form must be completed as part of OCD's Seismicity Response Protocol and updated after any qualifying event thereafter.
<b>Applicability:</b> 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

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**QUESTIONS**

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**QUESTIONS**

<b>Prerequisites</b>	
Well	[30-015-40717] LAKEWOOD SWD #001

**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	-104.43300
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-1350-A [pWVJ1236156019]
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)	9
Top perforated and/or open-hole interval (vertical depth in feet)	7,840
Bottom perforated and/or open-hole interval (vertical depth in feet)	8,084
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	2,211
Average injection daily pressure (PSI), prior to reduction	1,300
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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Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	100129
Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)	

**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