

Mesquite SWD, Inc.  
 Deep Purple SWD #1  
 1310' FSL & 1310' FWL  
 Sec. 30, T22S-R32E Lea County, NM

API 30-025-NA

## PROPOSED NEW WELL DIAGRAM

API: 30025xxxx  
 Operator: Mesquite SWD, Inc  
 Lease: Deep Purple SWD  
 Location: Sec 30, T22S-R32E Lea Co., NM  
 Footage: 1310 FSL, 1310 FWL

Well No:

KB: 3600' est  
 GL: 3584' (Google)  
 MSL of TD: -14400' est

**Surface Csg**

Size: 20" 133# J-55 BTC  
 Set @: 880  
 Sxs cmt: 1980  
 Circ: Yes  
 TOC: Surf  
 Hole Size: 26"

**Intermediate Csg**

Size: 13-3/8" 68# HCN-80 LTC  
 Set @: 4,510  
 Sxs cmt: 1000  
 Circ: Yes  
 TOC: Surf  
 Hole Size: 17-1/2"

**Intermediate-2 Csg**

Size: 9-5/8" 53.5# L-80 LTC  
 Set @: 11650  
 Sxs cmt: 1800  
 Circ: Yes  
 Hole Size: 12-1/4"

**Liner**

Size: 7-5/8" 398# P-110 Ultra FJ  
 Top: 11415  
 Set @: 16935  
 Sx cmt: 2700  
 Circ: Yes  
 Hole Size: 8-1/2"

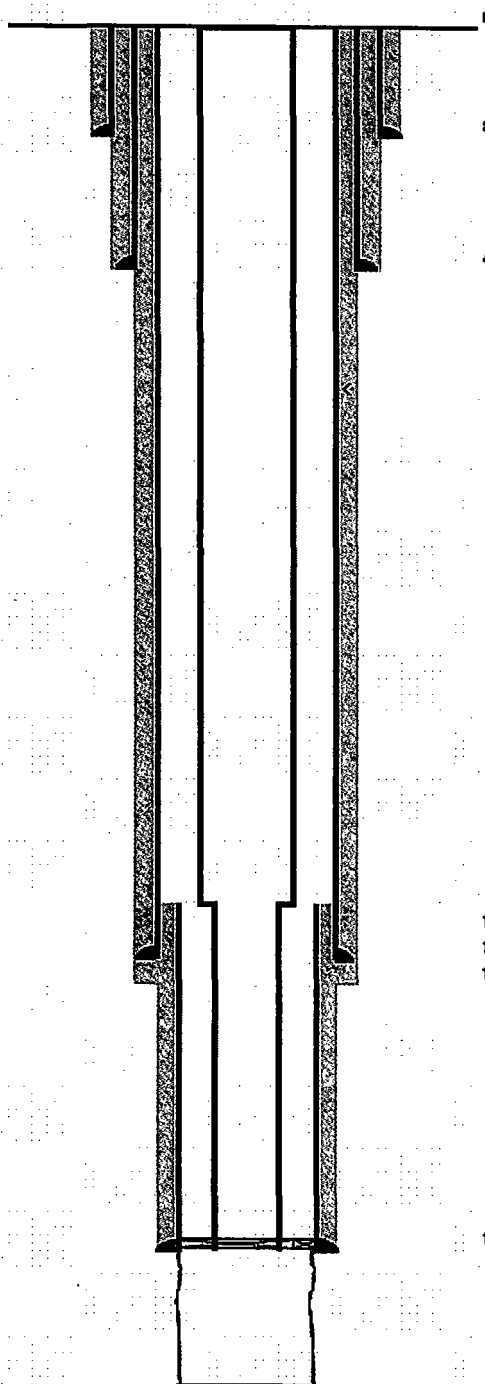
**Open Hole**

Size:  
 Interval: 16935-18135'  
 Hole Size: 6-1/4"

Tubular requirements (made-up): 5-1/2"  
 0-300' 17# N80 Butt, 330'-11,000' 17# N80 LTC,  
 11,000'-11,650' 20# N80 LTC, 4.5" 11,650'-12,800'  
 11.6# P110 LTC, 12,800'-14,400' 13.5# N80 LTC  
 14,400'-16,620' 31.5# P110 LTC

Lok-Set or equivalent approx 16,935'

Open hole acid if required.  
 Tubing annulus w/corrosion inhibitor  
 Complete surface head for disposal



0  
 850 Rustler est 850  
 Salado est 1180  
 T/salt est 2385  
 B/salt est 4350'  
 4510  
 Lemar Ls est 4588'  
 DV @ approx 5000'  
 Bone Springs est 8500'  
 Wolfcamp est 11165'  
 11415  
 11650  
 11870  
 Strawn est 13300'  
 Morrow est 14100'  
 Miss Ls est 15300'  
 16935 Top Siluro-Devonian est  
 18135 TD

**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 73464

DEFINITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:
	372338
	Action Number:
	73464
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.

**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**

QUESTIONS

Action 73464

**QUESTIONS**

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 73464
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

**QUESTIONS**

<b>Prerequisites</b>	
Well	[30-025-44106] DEEP PURPLE 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	us7000ftrh
Magnitude	3.2
Latitude	32.41351
Longitude	-103.59257
Date of occurrence	11/13/2021
Depth of occurrence (kilometers)	5.00

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

Admin Order (SWD-#)	SWD-1681-B [pPRG1809633337]
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)	16,975
Bottom perforated and/or open-hole interval (vertical depth in feet)	18,135
Formation(s) completed	Devonian, Silurian

**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	18,268
Average injection daily pressure (PSI), prior to reduction	2,390
Well Type (i.e., Commercial, Lease Only, Single Operator)	Commercial

**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	22,748
Average injection daily pressure (PSI) limit, post reduction	2,652
Reduction start date	01/17/2022
Reduction achieved date	01/17/2022

**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**

ACKNOWLEDGMENTS

Action 73464

**ACKNOWLEDGMENTS**

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	73464
	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.

**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 73464

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 73464
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

CONDITIONS

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