

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"

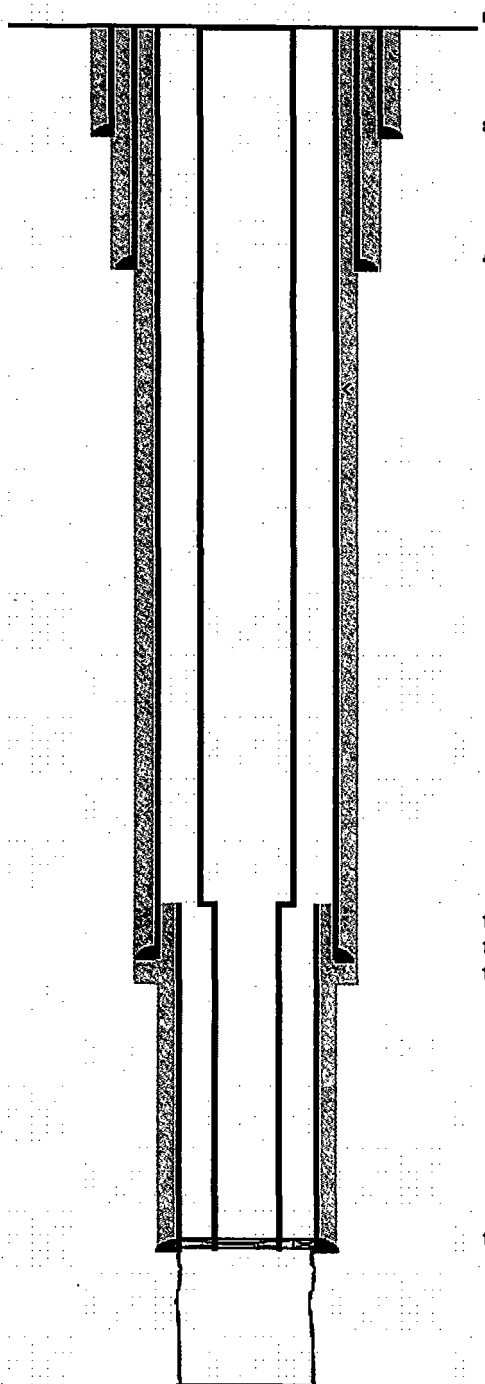
Open Hole

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

Not to Scale

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 72604

DEFINITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 72604
	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.

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 72604

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 72604
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

QUESTIONS

Prerequisites	
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	us70000ftrh
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	22,152
Average injection daily pressure (PSI) limit, post reduction	2,274
Reduction start date	01/14/2022
Reduction achieved date	01/14/2022

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 72604

ACKNOWLEDGMENTS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:
	372338
	Action Number:
	72604
Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)	

ACKNOWLEDGMENTS

☒	This operator acknowledges that it must take the appropriate following action(s) as part of its seismic response protocol:
☒	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.
☒	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.
☒	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.
☒	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.
☒	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.
☒	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 72604

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 72604
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

CONDITIONS

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