

Mesquite SWD, Inc.
West Gramma Ridge SWD #1
 API #30-025-43328
 1105' FNL & 1480' FWL
 Section 6, T22S, R32E, Lea County, NM
Proposed Well Bore Diagram

KB: 3628'
 GL: 3607'

Surface Casing

Size: 20" 94# J-55 BTC
 Set @: 1060'
 Sx Cmt: 1400
 TOC: Surf
 Hole Size: 26"

Intermediate Casing

Size: 13 3/8" 68# J55 BTC
 Set @: 3500'
 Sx Cmt: 2000
 TOC: Surf
 Hole Size: 17 1/2"

Production Casing

Size: 9 5/8" 53.5# L80 BTC
 Set @: 10960'
 Sx Cmt: 2100
 TOC: Surf
 Hole Size: 12 1/4"

Liner

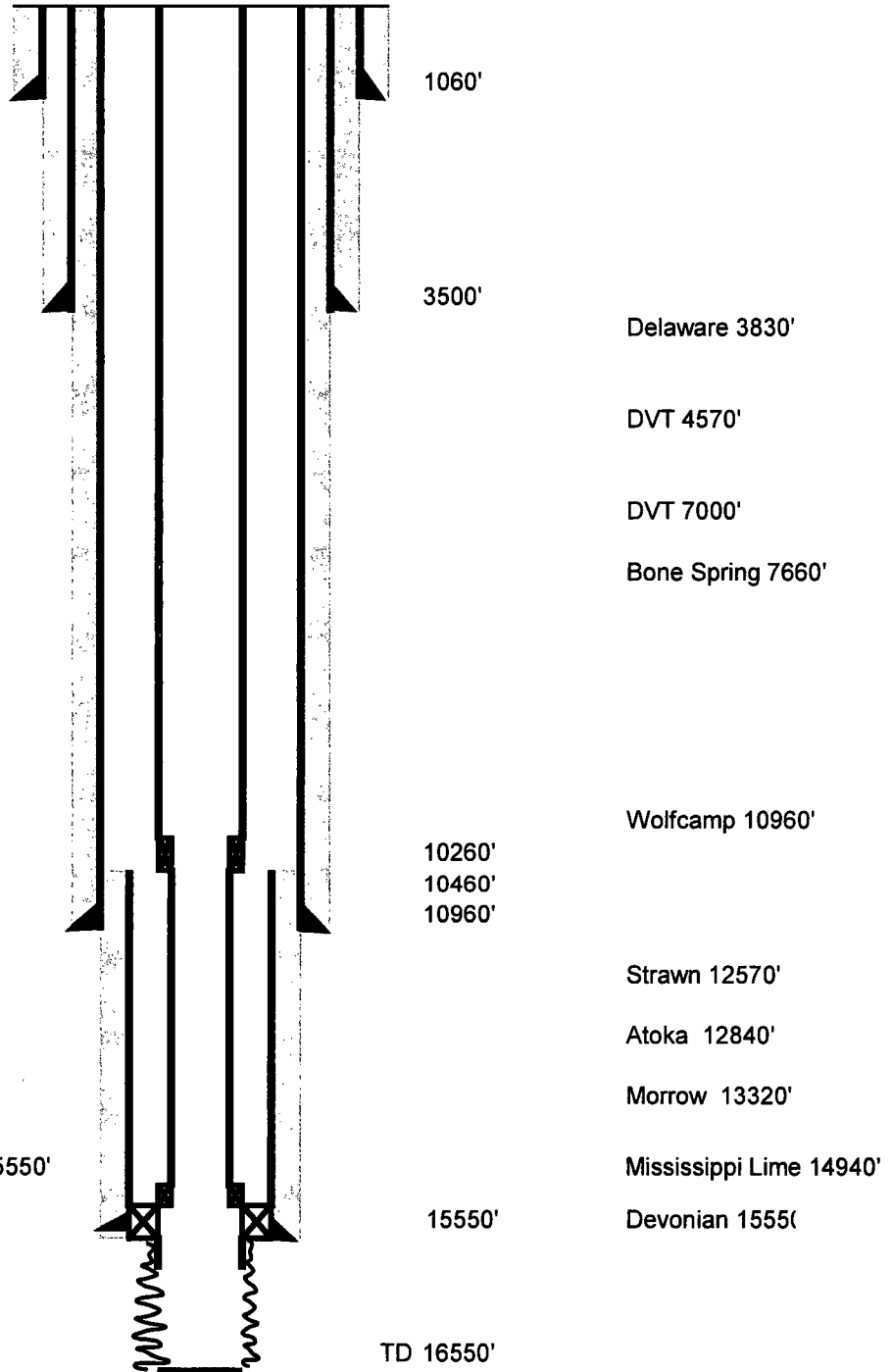
Size: 7 5/8" 42.8# P110 UFJ
 Top: 10460'
 Set @: 15550'
 Sx Cmt: 500
 TOC: 12230'
 Hole Size: 8 1/2"

Open Hole

Interval: 15550' - 16550'
 Hole Size: 6 1/2"

Tubing

7" 26# P-110 Tbg @ 10259'
 7" x 5 1/2" X-Over @ 10260'
 5 1/2" 20# JFE Bear Tbg @ 15545'
 7 5/8" x 5 1/2" Dual Bore Permapak Packer @ 15550'



Melanie Wilson 05/23/2018

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 73471

DEFINITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 73471
	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">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

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QUESTIONS

Prerequisites	
Well	[30-025-43328] WEST GRAMMA RIDGE 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-1598-0 [pMAM1525158575]
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)	8
Top perforated and/or open-hole interval (vertical depth in feet)	15,500
Bottom perforated and/or open-hole interval (vertical depth in feet)	16,500
Formation(s) completed	Devonian

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	8,663
Average injection daily pressure (PSI), prior to reduction	1,504
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	4,399
Average injection daily pressure (PSI) limit, post reduction	1,336
Reduction start date	01/17/2022
Reduction achieved date	01/17/2022

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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