

Mesquite SWD, Inc.
7811 J V-P Vaca Draw Unit SWD #1
657.5' FSL & 661.5' FEL
Sec. 21, T25S-R33E Lea County, NM

API 30-025-23895

PROPOSED RE-ENTRY WELL DIAGRAM

API: 3002523895
Operator: Mesquite SWD, Inc.
Lease: 7811-JV-P Vaca Draw Unit SWD
Location: Sec 21, T25S-R33E Lea Co., NM
Footage: 657.5' FSL, 661.5' FEL

Well No: 1

KB: 3392
GL: 3358
MSL of TD: -14591

Surface Csg

Size: 20" H-40 STC
Set @: 920
Sxs cmt: 1550
Circ: Yes
TOC: Surf

Intermediate Csg

Size: 13-3/8" 6168# N-80 LTC
Set @: 4986
Sxs cmt: 3200
Circ: Yes
TOC: Surf
Hole Size: 17-1/2"

Intermediate-2 Csg

Size: 10-3/4" 53.5# L-80 LTC
Set @: 13004
Sxs cmt: 3375
Circ: Yes
Hole Size: 12-1/4"

Re-entry Side Track-sleeve

Size: 7-5/8" 39 # LTC
Set @: 12690
Sxs cmt: 0
Circ:
Hole Size: Inside -9-5/8" Intermediate

Liner (Below Side Track)

Size: 7-5/8" 39 # LTC
Top: 12715
Set @: 17498
Sx cmt: 2600
Circ: Yes
Hole Size: 8-3/4"

Open Hole (For Side Track)

Size: 17498-19042'
Interval: 17498-19042'
Hole Size: 6-1/4"

Tubular requirements (made-up):

17,498 + estimate 15' offset 4-1/2"
w/0-5900' 11.6# P-110 BJT, 6200' 11.6# P110 LTC,
1700' 13.5# N80 LTC, 3805 13.5# P110 LTC

Lok-Set or equivalent approx 17498'.

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

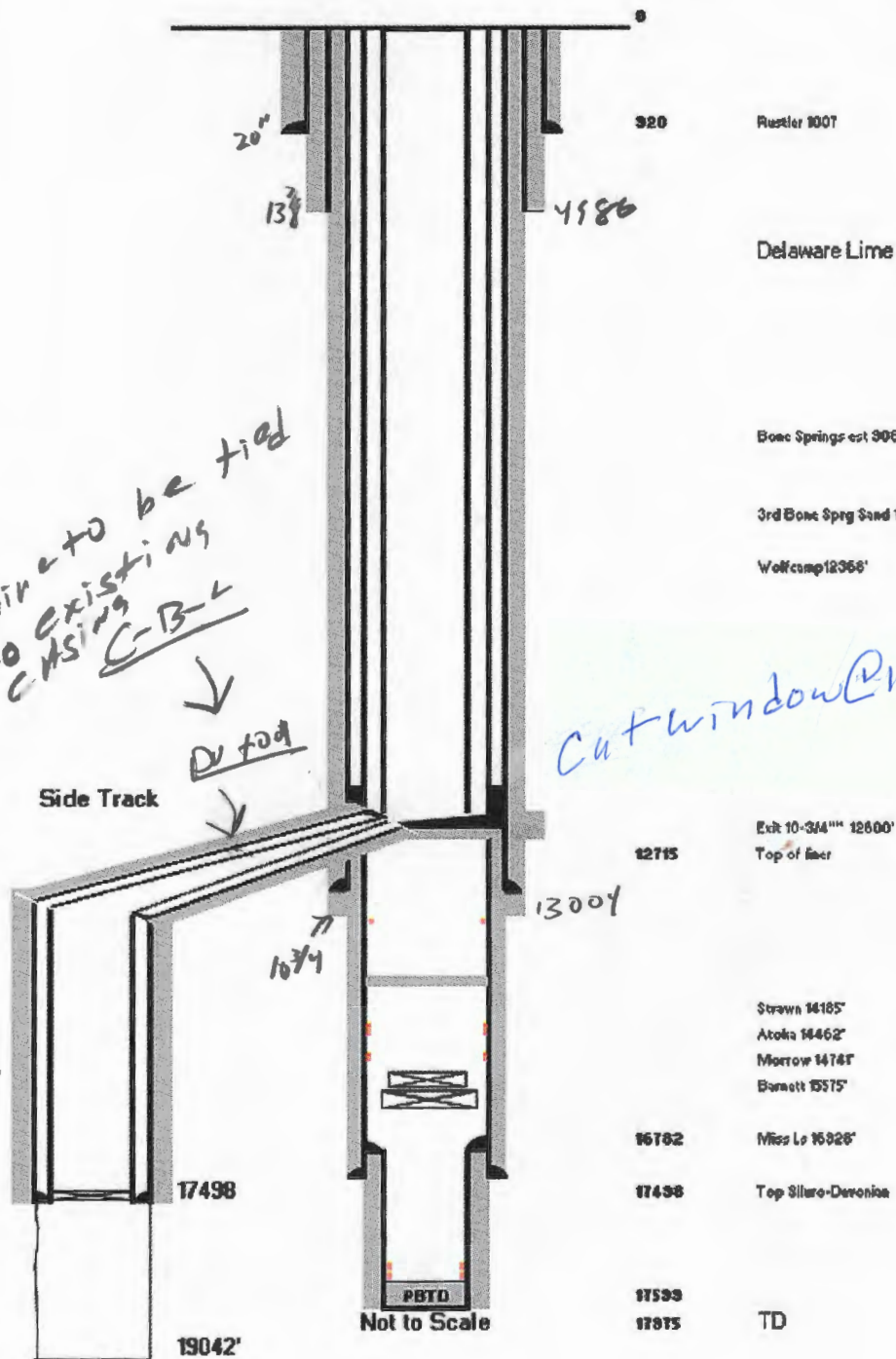
*require to be tied
into existing
Casing C-B-L*

Depth

Side Track

Cat window @ 12600'

BTA 3-1/2"



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 73576

DEFINITIONS

| | |
|--|---|
| Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220 | OGRID: 372338 |
| | Action Number: 73576 |
| | 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. |

District I1625 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 73576

QUESTIONS

| | |
|--|---|
| Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220 | OGRID: 372338 |
| | Action Number: 73576 |
| | Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI) |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Well | [30-025-23895] VACA DRAW FEDERAL 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 | tx2021oalq |
| Magnitude | 4.0 |
| Latitude | 32.07124 |
| Longitude | -103.71918 |
| Date of occurrence | 07/19/2021 |
| Depth of occurrence (kilometers) | 5.00 |

Injection Order

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

| | |
|---------------------|-----------------------------|
| Admin Order (SWD-#) | SWD-1571-C [pMAM1705251955] |
| 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) | 17,465 |
| Bottom perforated and/or open-hole interval (vertical depth in feet) | 19,035 |
| Formation(s) completed | Devonian, Silurian, Montoya |

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 | 13,136 |
| Average injection daily pressure (PSI), prior to reduction | 2,445 |
| 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) | 25% |
| Average daily injection rate (BBLS per day) limit, post reduction | 13,375 |
| Average injection daily pressure (PSI) limit, post reduction | 2,336 |
| 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 73576

ACKNOWLEDGMENTS

| | | |
|--|----------------|---|
| Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220 | OGRID: | 372338 |
| | Action Number: | 73576 |
| | 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 73576

CONDITIONS

| | |
|--|---|
| Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220 | OGRID: 372338 |
| | Action Number: 73576 |
| | Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI) |

CONDITIONS

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