

Initial Application Part I

Received 8/19/20

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete



August 17, 2020

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Subject: Goodnight Midstream Permian, LLC – Rocket SWD # 1
Application for Authorization to Inject

To Whom It May Concern,

On behalf of Goodnight Midstream Permian, LLC (Goodnight), ALL Consulting, LLC (ALL) is submitting the enclosed Application for Authorization to Inject for the Rocket SWD #1, a proposed salt water disposal well, in Lea County, NM.

Should you have any questions regarding the enclosed application, please contact Nate Alleman at (918) 382-7581 or nalleman@all-llc.com.

Sincerely,
ALL Consulting

A handwritten signature in black ink that reads "Nathan Alleman".

Nate Alleman
Sr. Regulatory Specialist

Revised March 23, 2017

PLOS-200819-C-1080

RECEIVED: 8/19/20	REVIEWER:	TYPE: SWD	APP NO: pBL2024439207
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ OGRID Number: _____
 Well Name: _____ API: _____
 Pool: _____ Pool Code: _____

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

SWD-2392

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☐ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☐ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required

FOR OCD ONLY

☐

Notice Complete

☐Application
Content
Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

08/17/2020

Date

Print or Type Name

Phone Number

e-mail Address

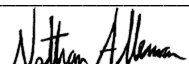
Signature

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance X Disposal
_____ Storage Application qualifies for administrative approval? X Yes _____ No
- II. OPERATOR: Goodnight Midstream Permian, LLC
ADDRESS: 5910 N Central Expressway, Suite 850, Dallas, TX 75206
CONTACT PARTY: Grant Adams PHONE: 214-444-7388(0)
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
NAME: Nate Alleman TITLE: Regulatory Specialist - Consultant
SIGNATURE:  DATE: 08/17/2020
E-MAIL ADDRESS: nalleman@all-llc.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Application for Authorization to Inject
Well Name: Rocket SWD #1

III – Well Data *(The Wellbore Diagram is included as Attachment 1)*

A.

(1) General Well Information:

Operator: Goodnight Midstream Permian, LLC (OGRID No. 372311)
Lease Name & Well Number: Rocket SWD #1
Location Footage Calls: 565 FSL & 245 FWL
Legal Location: Unit Letter M, S28 T21S R36E
Ground Elevation: 3,538'
Proposed Injection Interval: 4,380' – 5,750'
County: Lea

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface	14.75"	13.375"	68.0 lb/ft	1,500'	340	Surface	Circulation
Production	12.25"	9.625"	53.5 lb/ft	5,850'	1,960	Surface	Circulation
Tubing	-	5.5"	composite	4,330'	N/A	N/A	N/A

(3) Tubing Information:

5.5" (composite weight string) of fiberglass-coated tubing with setting depth of 4,330'

(4) Packer Information: Baker SC-2 or equivalent packer set at 4,330'

B.

(1) Injection Formation Name: San Andres

Pool Name: SWD; SAN ANDRES

Pool Code: 96121

(2) Injection Interval: Perforated injection between 4,380' – 5,750'

(3) Drilling Purpose: New Drill for Salt Water Disposal

(4) Other Perforated Intervals: No other perforated intervals exist.

(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Penrose (3,835')

Underlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Paddock (6,500')

V – Well and Lease Maps

The following maps are included in **Attachment 2**:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

VI – AOR Well List

There are 10 wells within the 1/2-mile AOR, but none of the wells penetrate the proposed injection zone.

A list of the wells within the 1/2-mile AOR is included in **Attachment 2**.

VII – Proposed Operation

- (1) **Proposed Maximum Injection Rate:** 32,000 bpd
Proposed Average Injection Rate: 22,500 bpd
- (2) A closed system will be used.
- (3) **Proposed Maximum Injection Pressure:** 876 psi (surface)
Proposed Average Injection Pressure: approximately 438 psi (surface)
- (4) **Source Water Analysis:** It is expected that the injectate will consist of produced water from production wells completed in the Wolfcamp and Bone Springs formations. Analysis of water from these formations is included in **Attachment 3**.
- (5) **Injection Formation Water Analysis:** The proposed SWD will be injecting water into the San Andres formation which is a non-productive zone known to be compatible with formation water from the Wolfcamp and Bone Springs formations. Water analyses from the San Andres formation in the area are included in **Attachment 4**.

VIII – Geologic Description

- **San Andres Injection Formations:** The injection interval consists of the San Andres Formation at a depth of 4,380 ft – 5,750 ft. This formation consist of interbedded carbonate rocks including dolomites, siltstones, and sands.
- **Confining Layers:**
 - **Upper Confinement:** The injection formation is confined from overlying production by layers of low porosity anhydrites and dolomites located in the top of both the San Andres and Grayburg formations that are not capable of transmitting fluid.
 - **Lower Confinement:** The injection formation is confined from potential underlying production formations by layers of low permeability rock located between the Glorieta and Paddock porosity intervals.

- **Lowermost Underground Source of Drinking Water (USDW):** The Rustler Formation is the lowermost USDW in the area and has a base of approximately 1,470 ft. Water well depths in the area range from approximately 225 – 300 feet below ground surface.

IX – Proposed Stimulation Program

A small cleanup acid job may be used to remove mud and drill cuttings from the formation. However, no other formation stimulation is currently planned.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, there are no groundwater wells located within 1 mile of the proposed SWD location. Therefore, no water samples have been collected.

A water well map, details of water wells within 1-mile, and any associated water analyses are included in **Attachment 5**.

XII – No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs.

XIII – Proof of Notice

A Public Notice was filed with the Hobbs News-Sun newspaper and an affidavit is included in **Attachment 6**.

A copy of the application was mailed to the OCD District Office, landowner, and leasehold operators within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in **Attachment 6**.

Attachments

Attachment 1: C-102 & Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

Attachment 6: Public Notice Affidavit and Notice of Application Confirmations

Attachment 1

- C-102
- Wellbore Diagram

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96121	Pool Name SWD; San Andres
Property Code	Property Name ROCKET SWD	Well Number 1
OGRID No. 372311	Operator Name GOODNIGHT MIDSTREAM PERMIAN, LLC	Elevation 3538.1'


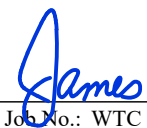

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	21-S	36-E		565	SOUTH	245	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidated Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

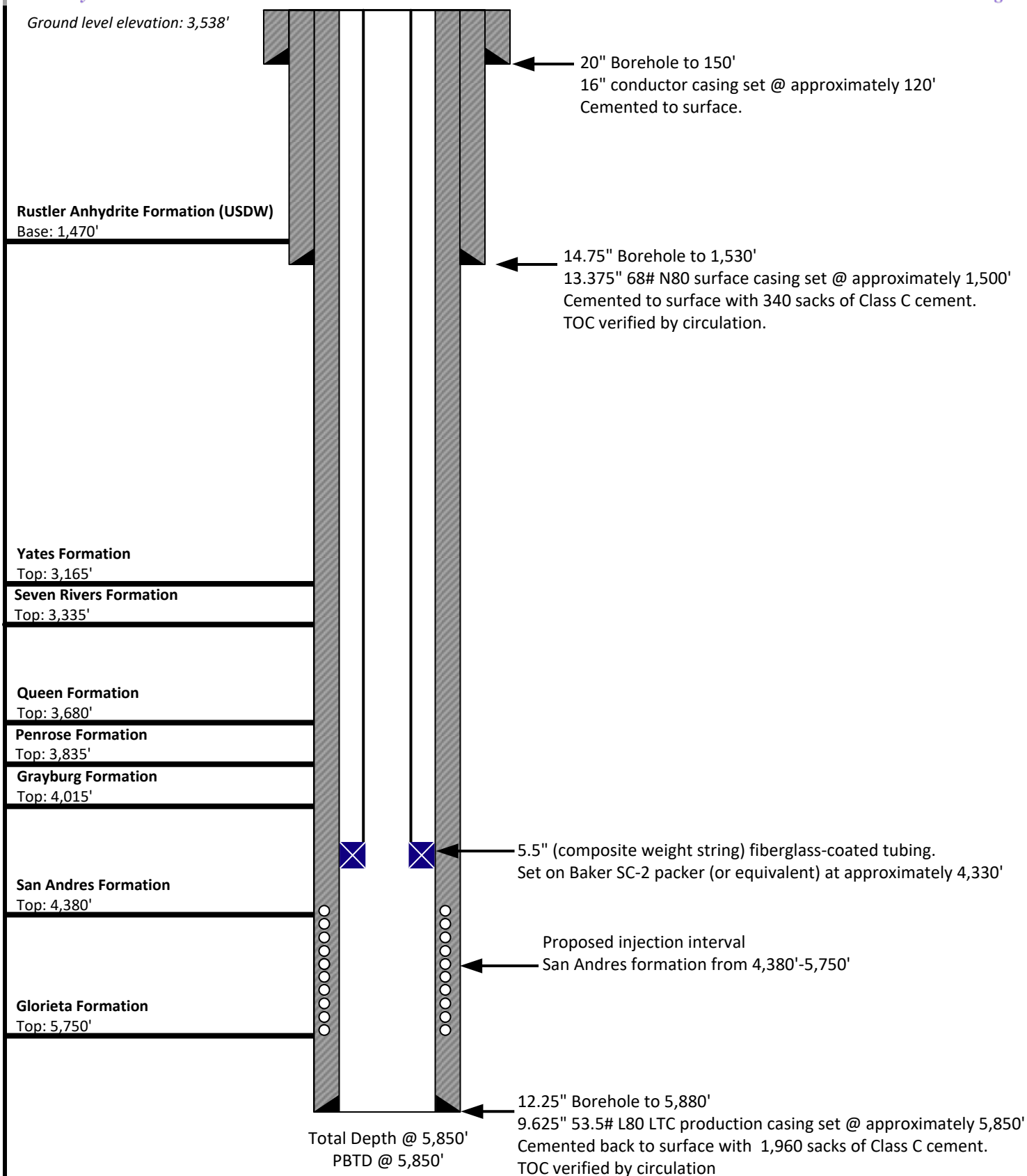
NW CORNER NMSP-E (NAD 83) N(Y): = 531629.2' E(X): = 866562.6' LAT.: = 32.4570978° N LON.: = 103.2789405° W NMSP-E (NAD 27) N(Y): = 531567.7' E(X): = 825378.4' LAT.: = 32.4569726° N LON.: = 103.2784679° W	NORTH QUARTER CORNER NMSP-E (NAD 83) N(Y): = 531659.8' E(X): = 869191.7' LAT.: = 32.4571102° N LON.: = 103.2704171° W NMSP-E (NAD 27) N(Y): = 531598.3' E(X): = 828007.4' LAT.: = 32.4569850° N LON.: = 103.2699449° W	NE CORNER NMSP-E (NAD 83) N(Y): = 531694.8' E(X): = 871848.7' LAT.: = 32.4571335° N LON.: = 103.2618034° W NMSP-E (NAD 27) N(Y): = 531633.3' E(X): = 830664.2' LAT.: = 32.4570082° N LON.: = 103.2613316° W	<h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <div style="display: flex; justify-content: space-between;"> <div>  Signature </div> <div> 08/17/2020 Date </div> </div> <div style="display: flex; justify-content: space-between;"> <div> Nate Alleman Print Name </div> <div> nalleman@all-llc.com E-mail Address </div> </div>
WEST QUARTER CORNER NMSP-E (NAD 83) N(Y): = 528988.9' E(X): = 866589.5' LAT.: = 32.4498405° N LON.: = 103.2789378° W NMSP-E (NAD 27) N(Y): = 528927.4' E(X): = 825405.2' LAT.: = 32.4497153° N LON.: = 103.2784654° W	EAST QUARTER CORNER NMSP-E (NAD 83) N(Y): = 529050.3' E(X): = 871873.8' LAT.: = 32.4498647° N LON.: = 103.2618080° W NMSP-E (NAD 27) N(Y): = 528988.8' E(X): = 830689.3' LAT.: = 32.4497394° N LON.: = 103.2613364° W	<h3 style="text-align: center;">SURVEYORS CERTIFICATION</h3> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>JUNE 25, 2020 Date of Survey</p> <div style="display: flex; justify-content: space-between;"> <div>  Signature and Seal of Professional Surveyor </div> <div>  </div> </div> <div style="display: flex; justify-content: space-between;"> <div> Job No.: WTC 54171 Certificate Number </div> <div> Draft: FH! </div> </div>	

245'
 565'

SWL:
 565' FSL, 245' FWL
 GR. ELEV. 3538.1'
NMSP-E (NAD 83)
 N(Y): = 526927.1'
 E(X): = 866856.4'
 LAT.: = 32.4441667° N
 LON.: = 103.2781389° W
NMSP-E (NAD 27)
 N(Y): = 526865.7'
 E(X): = 825672.0'
 LAT.: = 32.4440415° N
 LON.: = 103.2776667° W

SOUTH QUARTER CORNER
NMSP-E (NAD 83)
 N(Y): = 526388.9'
 E(X): = 869258.2'
 LAT.: = 32.4426223° N
 LON.: = 103.2703718° W
NMSP-E (NAD 27)
 N(Y): = 526327.6'
 E(X): = 828073.8'
 LAT.: = 32.4424970° N
 LON.: = 103.2698999° W

SOUTHEAST CORNER
NMSP-E (NAD 83)
 N(Y): = 526418.3'
 E(X): = 871899.4'
 LAT.: = 32.4426305° N
 LON.: = 103.2618106° W
NMSP-E (NAD 27)
 N(Y): = 526356.9'
 E(X): = 830714.9'
 LAT.: = 32.4425051° N
 LON.: = 103.2613392° W



NOT TO SCALE

Cement volumes include 25% excess.

Proposed Maximum Injection Rate: 32,000 BPD

Prepared by:
ALLCONSULTING

Prepared for:
GOODNIGHT
MIDSTREAM

Drawn by: Joshua Ticknor

Project Manager:
Dan Arthur

Date: 7/30/2020

Goodnight Midstream Permian, LLC

Rocket SWD #1

API# TBD

565' FSL & 245' FWL, Unit M of Sec 28-T21S-R36E

Lea County, New Mexico

A-3 and AL-2 LOK-SET Retrievable Casing Packers

Product Family No. H64630 and H64628

APPLICATION

The A-3™ LOK-SET™ packer combines advantages of a retrievable packer with the features of a permanent packer. An ability to lock down tubing forces makes the A-3 suitable for a broad range of applications, including production, injection, zone isolation, and remedial operations. The AL-2™ LOK-SET packer is similar to the A-3, and has a larger bore.

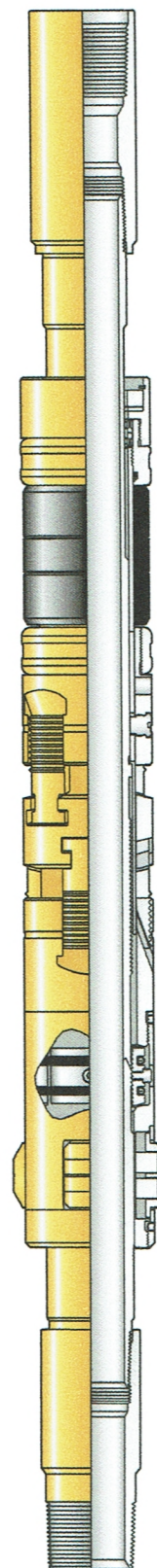
Advantages

- Holds pressure from above and below, without relying on set-down weight, tubing tension, or hydraulic hold down
- Provides tubing anchoring with tension applied, suitable for pumping wells or injection, controlling tubing forces related to change fluid temperatures
- Opposed, non-transferring, dovetail slips prevent packer movement associated with changing differential pressures, while allowing the landing of the tubing in tension, neutral or compression
- Right-hand tubing rotation controls setting and releasing
- Packing element compression locks in by ratcheting action of lock segments, which restricts rotation to one direction

Accessories

To provide a simple and reliable injection system for retrieving an injection string without having to unseat the packer:

L-10 or L-316 on-off sealing connectors, Product Family Nos. H68420 and H68422. Baker Hughes blanking plug can be used in the seating nipple profile of the on-off sealing connector to provide a means of plugging the lower zone while the tubing is being pulled.

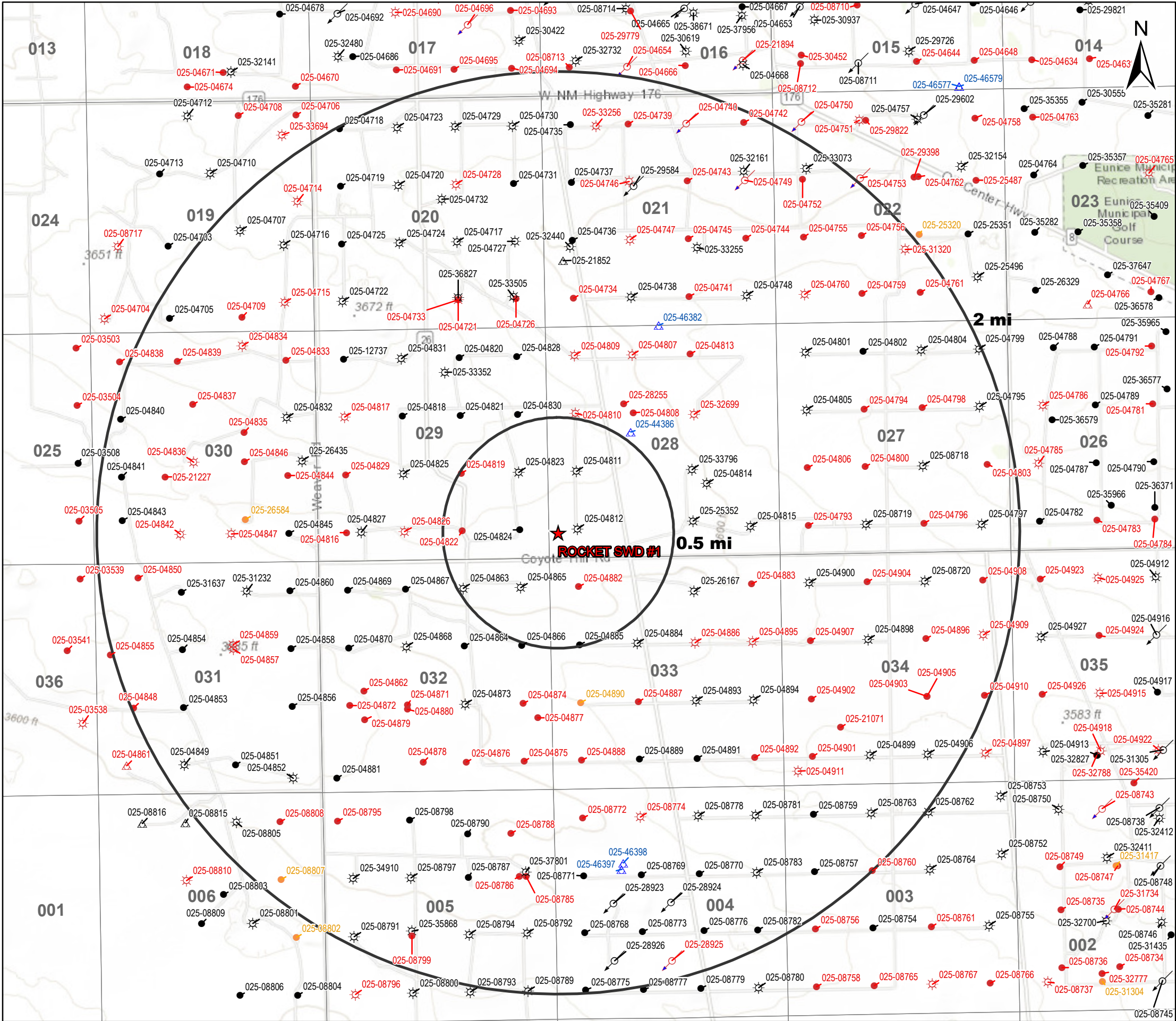


A-3 LOK-SET
Retrievable Casing Packer
Product Family No. H64630

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



- Legend
- ★

Proposed SWD

☼

Gas, Active (103)

☼

Gas, Plugged (45)

↻

Injection, Active (17)

↻

Injection, Plugged (10)

●

Oil, Active (91)

●

Oil, Plugged (125)

●

Oil, Temporarily Abandoned (7)

△

Salt Water Injection, Active (3)

△

Salt Water Injection, New (6)

△

Salt Water Injection, Plugged (2)

Source Info: NMOCD O&G Wells updated 5/28/2020
(<http://www.emnrd.state.nm.us/OCD/ocdgis.html>)

O&G Wells Area of Review

ROCKET SWD #1

Lea County, New Mexico

Proj Mgr:
Dan Arthur

July 16, 2020

Mapped by:
Ben Bockelmann

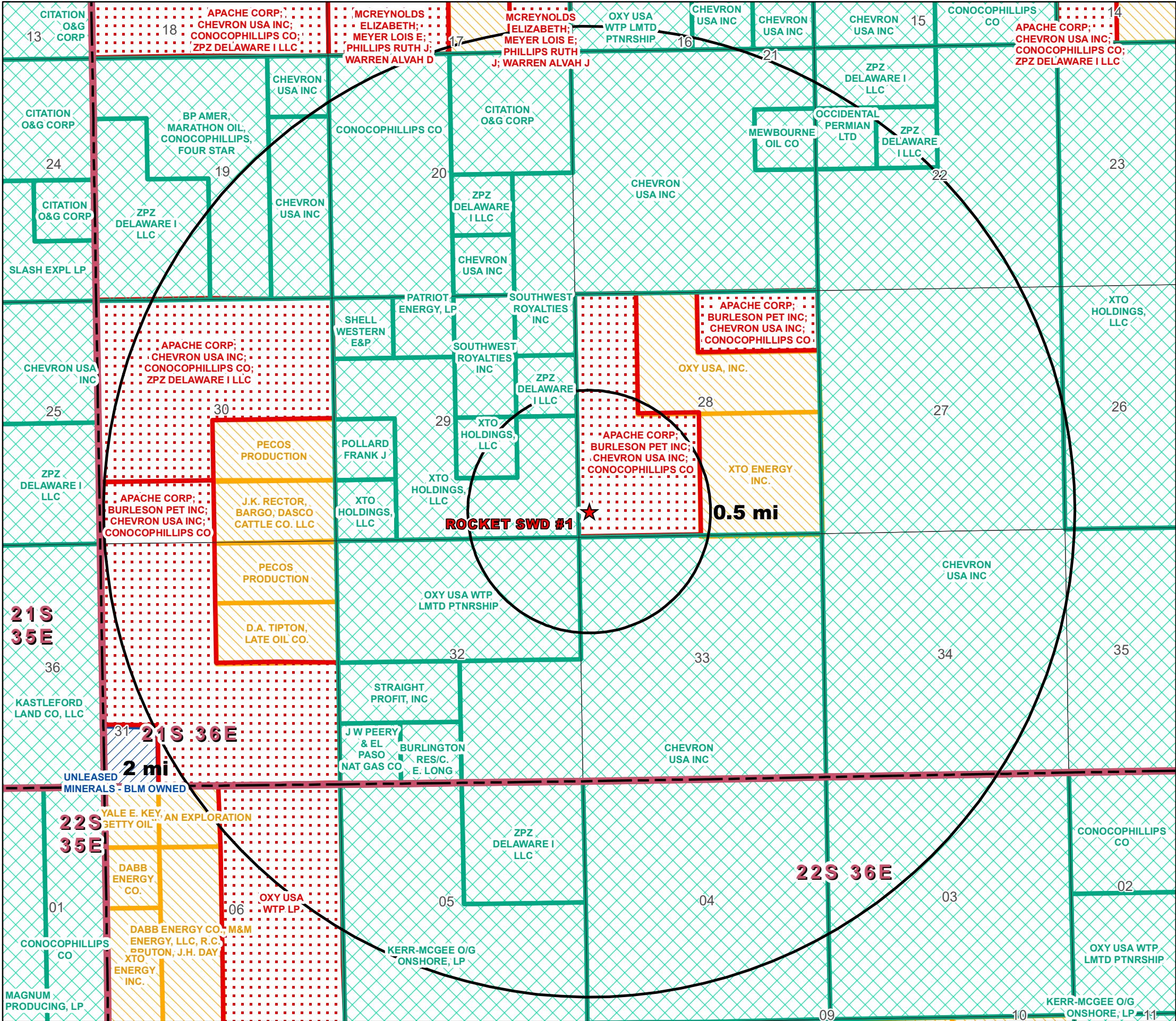
Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

AOR Tabulation for Rocket SWD #1 Injection Interval: 4,380' - 5,750')							
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
NEW MEXICO B STATE #006	30-025-04822	Plugged	EXXON MOBIL CORPORATION	11/21/1935	O-29-21S-36E	Plugged (3,900)	No
STATE D #001	30-025-04863	Gas	OXY USA WTP LIMITED PARTNERSHIP	8/22/1935	B-32-21S-36E	3,890	No
STATE D #003	30-025-04865	Gas	OXY USA WTP LIMITED PARTNERSHIP	12/23/1935	A-32-21S-36E	3,900	No
LOCKHART B 28 #004	30-025-04812	Gas	PENROC OIL CORP	2/19/1936	M-28-21S-36E	3,900	No
LOCKHART B 28 #003	30-025-04811	Gas	PENROC OIL CORP	2/19/1936	L-28-21S-36E	3,900	No
PRE-ONGARD WELL #003	30-025-04819	Plugged	PRE-ONGARD WELL OPERATOR (Humble Oil & Refining Company)	3/28/1935	J-29-21S-36E	Plugged (3,919)	No
PRE-ONGARD WELL #001	30-025-04882	Plugged	PRE-ONGARD WELL OPERATOR (Gulf Oil Corporation)	2/17/1936	D-33-21S-36E	Plugged (3,885)	No
EUMONT GAS COM 2 #004	30-025-04824	Oil	XTO ENERGY, INC	2/6/1936	P-29-21S-36E	3,909	No
EUMONT GAS COM 2 #001	30-025-04823	Gas	XTO ENERGY, INC	12/30/1935	I-29-21S-36E	3,900	No
ARNOTT RAMSAY NCT D #004	30-025-04885	Oil	XTO ENERGY, INC	6/14/1956	E-33-21S-36E	3,909	No

Notes: No wells within a 1/2-mile AOR penetrated the injection interval.



Legend

- ★ Proposed SWD
- NMSLO Mineral Leases
- BLM Mineral Leases
- Private Mineral Leases
- Unleased Minerals - Private Owned
- Unleased Minerals - BLM Owned



Mineral Lease
Area of Review

ROCKET SWD #1
Lea County, New Mexico

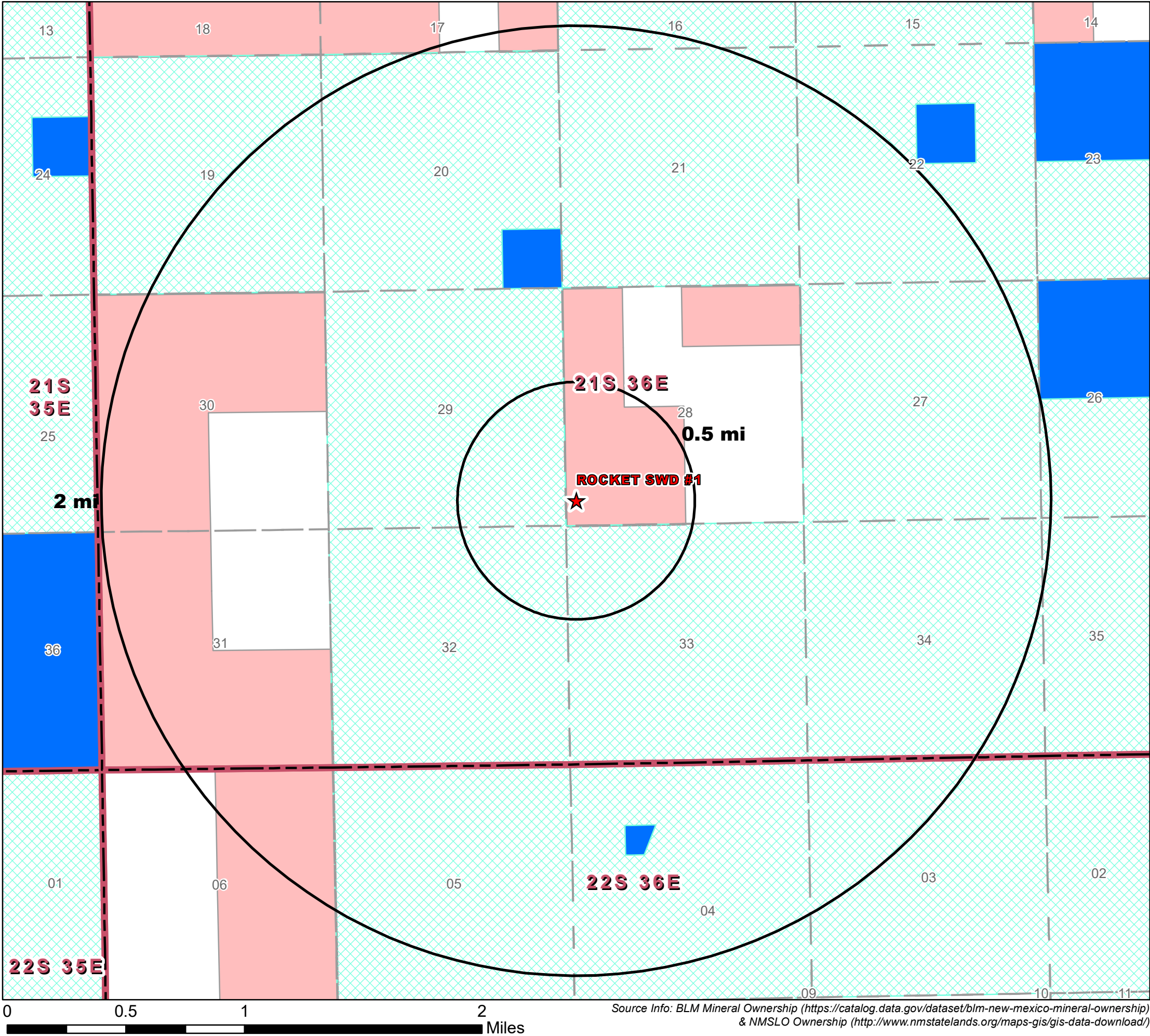
Proj Mgr:
Dan Arthur

July 16, 2020

Mapped by:
Ben Bockelmann

Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING



Legend

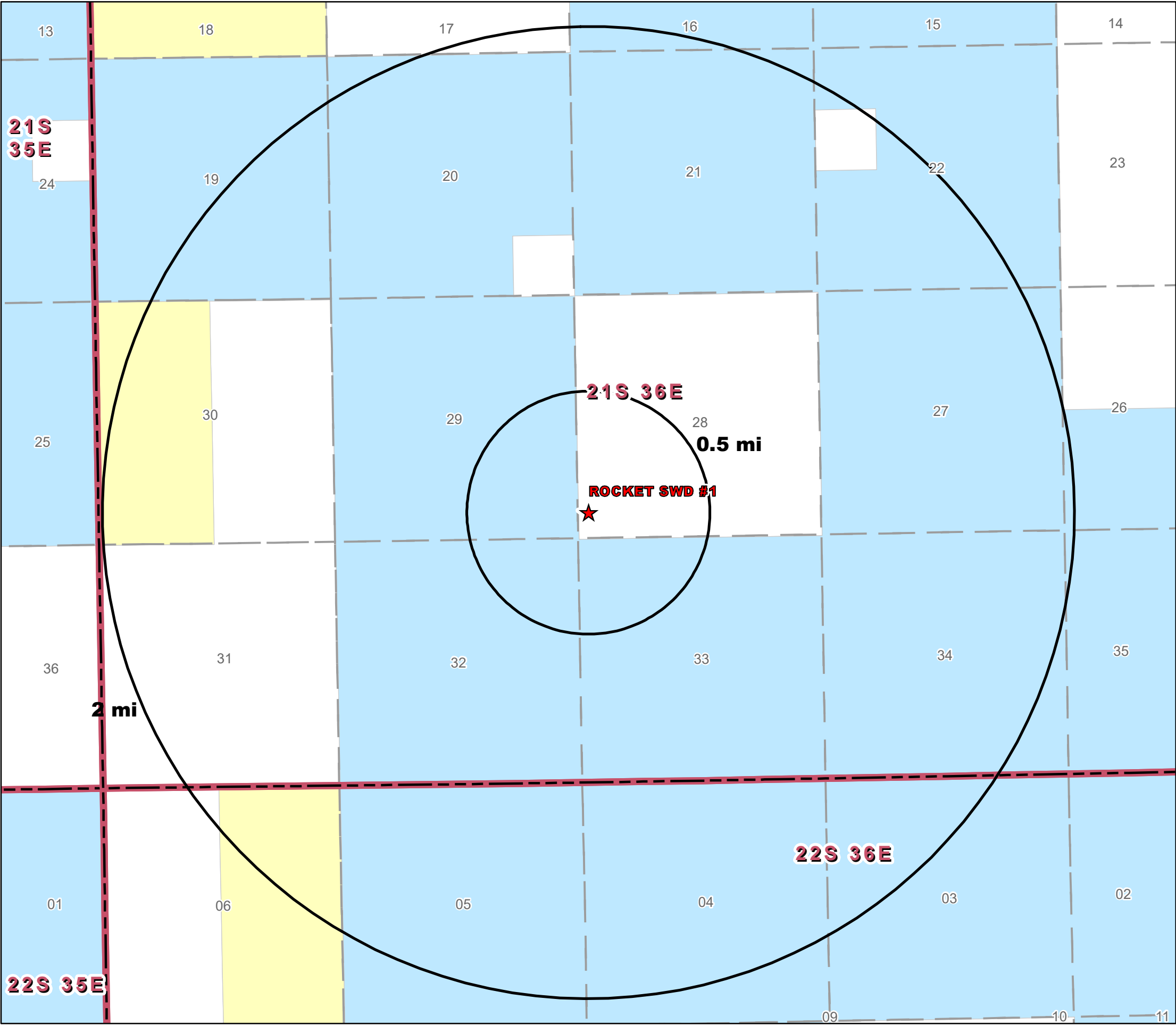
★ Proposed SWD

Mineral Ownership

- All minerals are owned by U.S. (BLM)
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)
- Private minerals

Mineral Ownership Area of Review		
ROCKET SWD #1 Lea County, New Mexico		
Proj Mgr: Dan Arthur	July 16, 2020	Mapped by: Ben Bockelmann
Prepared for: 		Prepared by:

Source Info: BLM Mineral Ownership (<https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership>) & NMSLO Ownership (<http://www.nmstatelands.org/maps-gis/gis-data-download/>)



Legend

★ Proposed SWD

Surface Ownership

BLM

Private

State

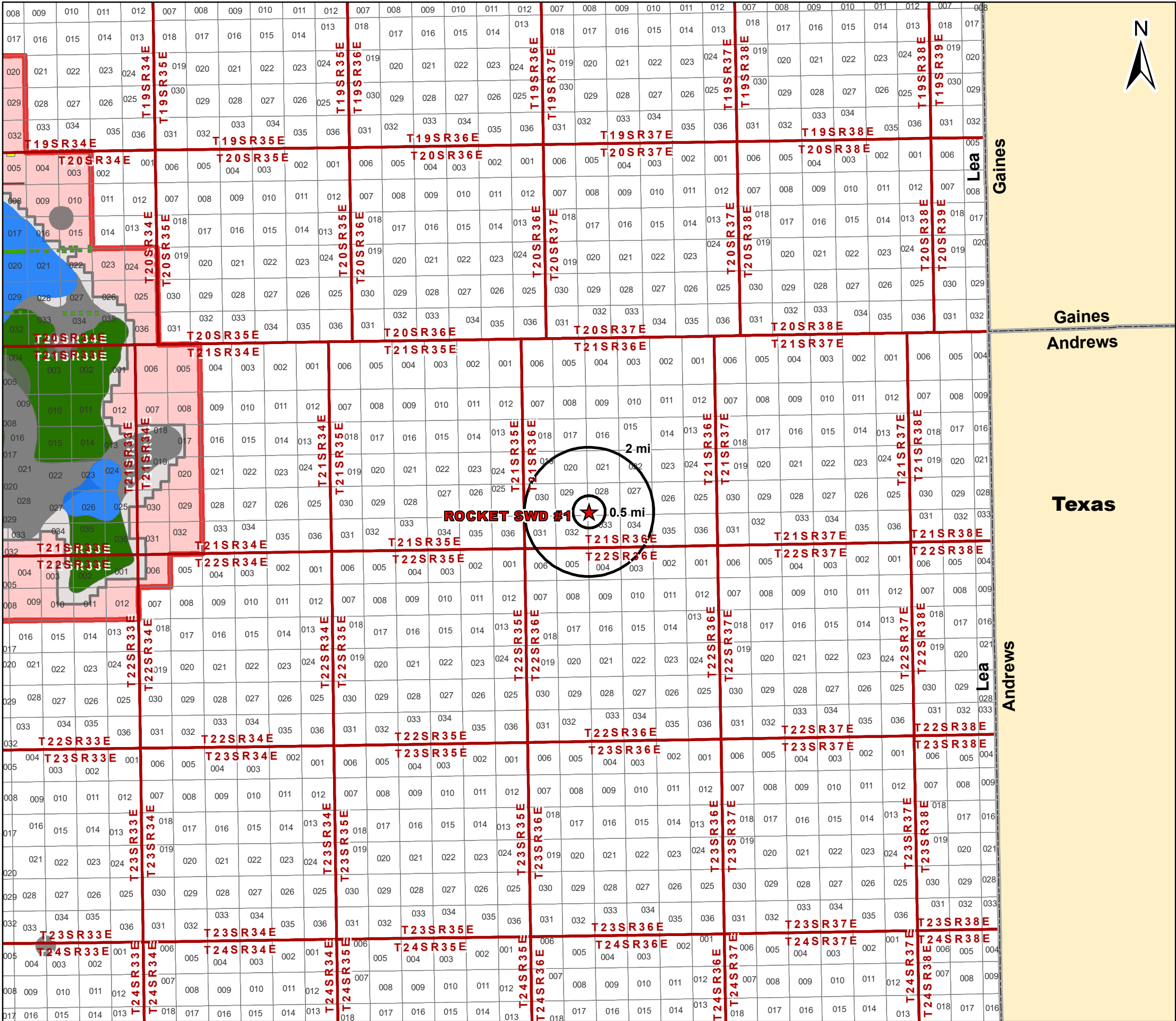
**Surface Ownership
Area of Review**

ROCKET SWD #1
Lea County, New Mexico

Proj Mgr: Dan Arthur	July 16, 2020	Mapped by: Ben Bockelmann
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Prepared for: GOODNIGHT MIDSTREAM	Prepared by: ALL CONSULTING
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Source Info: BLM Surface Ownership (<https://catalog.data.gov/dataset/blm-new-mexico-surface-ownership>)



Legend

- ★ Proposed SWD
- Ore Type - Measured
- Ore Type - Indicated
- Ore Type - Inferred
- KPLA
- SOPA
- Drill Islands
- Status
 - Approved
 - Denied
 - Nominated

Potash Leases
Area of Review

ROCKET SWD #1
Lea County, New Mexico

Proj Mgr:
Dan Arthur

July 16, 2020

Mapped by:
Ben Bockelmann

Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING

Attachment 3

Source Water Analyses

PRODUCED WATER FROM BONE SPRING, DELAWARE, DEVONIAN, WOLFCAMP

API	SECTION	TOWNSHIP	RANGE	FORMATION	tds mgL	chloride mgL	bicarbonate mgL	sulfate mgL
3002502424	11	20S	34E	BONE SPRING	29436	16720	634	1142
3002502427	12	20S	34E	BONE SPRING	15429			
3002502427	12	20S	34E	BONE SPRING	180701	108300	1016	670
3002502429	12	20S	34E	BONE SPRING	202606	118100	5196	992
3002502429	12	20S	34E	BONE SPRING	121800			
3002502431	12	20S	34E	BONE SPRING	147229	89640	108	1038
3002531696	2	20S	34E	DELAWARE	152064	102148	404	691
3002532105	2	20S	34E	DELAWARE	296822	215237	143	294
3002532466	2	20S	34E	DELAWARE	340838	245270	229	147
3002502427	12	20S	34E	DELAWARE	214787	132700	208	1816
3002502431	12	20S	34E	DEVONIAN	33414	18570	227	1961
3002502432	13	20S	34E	DEVONIAN	45778	26440	1145	729
3002501912	16	16S	34E	WOLFCAMP	164004	102500	4204	1249
3002501922	20	16S	34E	WOLFCAMP	104541	64290	280	541
3002501922	20	16S	34E	WOLFCAMP	104033	64080	268	515
3002501922	20	16S	34E	WOLFCAMP	105175	65570	207	192
3002501925	21	16S	34E	WOLFCAMP	86355	51800	610	665
3002501928	21	16S	34E	WOLFCAMP	119102	73300	227	454
3002501928	21	16S	34E	WOLFCAMP	35422	19170	979	1949
3002501930	22	16S	34E	WOLFCAMP	30015	14800	750	3300
3002501931	22	16S	34E	WOLFCAMP	87680	53000	301	681
3002501933	28	16S	34E	WOLFCAMP	59960	35100	515	1500
3002501933	28	16S	34E	WOLFCAMP	60309	35350	586	1297
3002501940	30	16S	34E	WOLFCAMP	82422	49890	361	787
3002501944	30	16S	34E	WOLFCAMP	83960	51410	418	641
3002502022	27	16S	34E	WOLFCAMP	85457	51020	544	1201
3001542895	2	23S	31E	WOLFCAMP	119472	73173		1036

EXHIBIT F

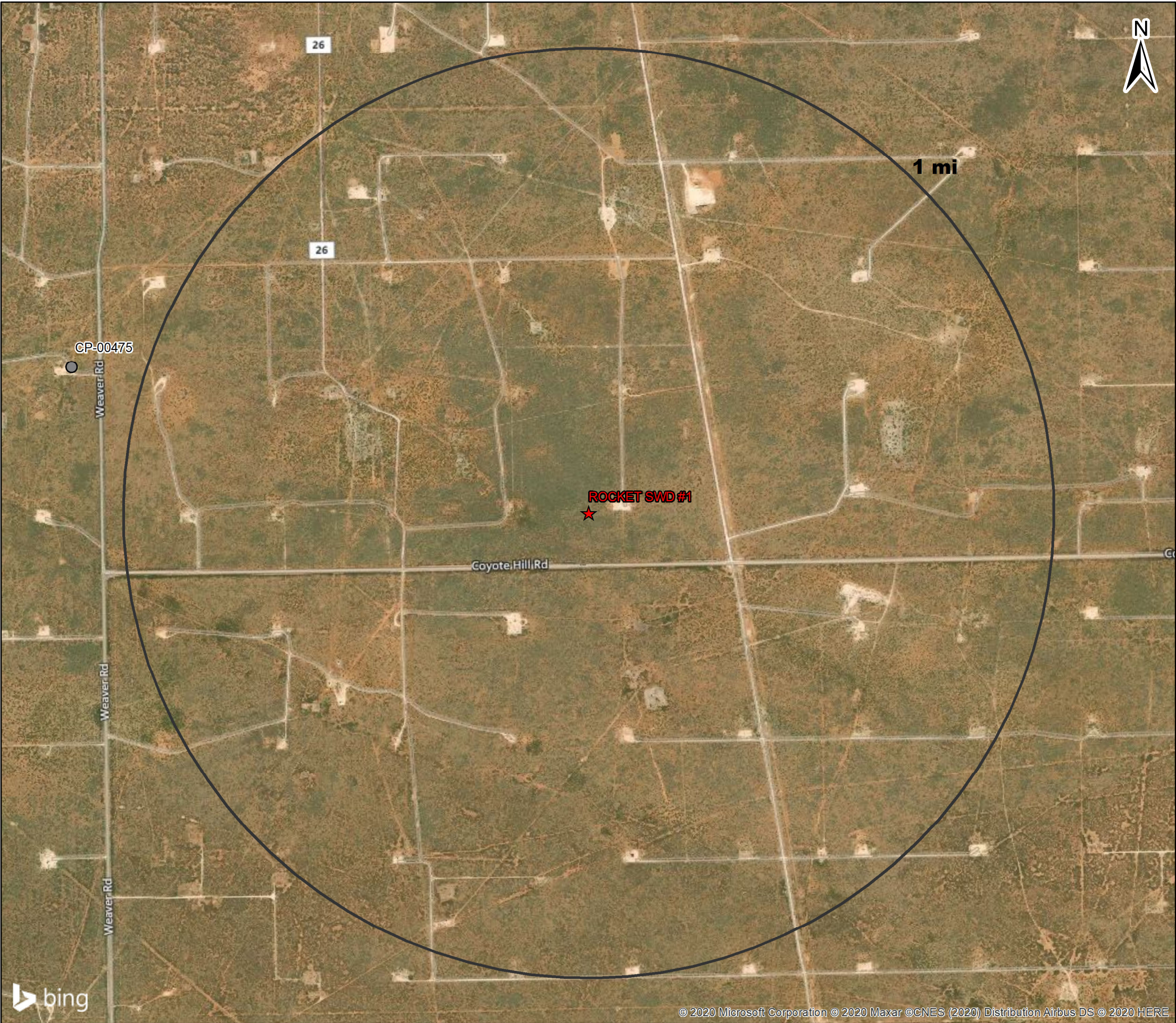
Attachment 4

Injection Formation Water Analyses

Injection Formation Water Analysis																	
Goodnight Midstream Permian, LLC - San Andres Formation																	
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgn	Ftgw	County	State	Field	Formation	TDS (Mg/L)	Chloride (Mg/L)	Bicarbonate (Mg/L)	Sulfate (Mg/L)
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	Lea	NM	MONUMENT PADDOCK	SAN ANDRES	65,365.00	36,905.00	560.00	1,460.00
THEODORE ANDERSON #002	3002506139	32.5785942	-103.2758102	17	20S	37E	C	660N	1980W	Lea	NM		SAN ANDRES		67,245.00	564.00	489.00
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	Lea	NM	MONUMENT	SAN ANDRES	65,361.00	36,900.00	560.00	1,460.00
EUNICE MONUMENT UNIT #031	3002506169	32.5531693	-103.2843781	19	20S	37E	P	660S	660E	Lea	NM	EUNICE	SAN ANDRES	91,120.00	59,850.00	-	722.00
EUNICE KING #024	3002506864	32.4513855	-103.1740341	28	21S	37E	E	2086N	760W	Lea	NM	SWD	SAN ANDRES	97,871.00	57,350.00	223.00	3,405.00
EUNICE KING #024	3002506864	32.4513855	-103.1740341	28	21S	37E	E	2086N	760W	Lea	NM	SWD	SAN ANDRES	57,304.00	31,970.00	618.00	3,301.00
SIMMONS #001	3002510070	32.4232674	-103.1821976	5	22S	37E	G	1760N	1760E	Lea	NM	EUNICE SOUTHWEST	SAN ANDRES	78,653.00	46,510.00	580.00	2,184.00
C P FALBY B FEDERAL #004	3002510106	32.4045296	-103.1914597	8	22S	37E	L	1980S	660W	Lea	NM	CARY	SAN ANDRES	80,540.00	43,500.00	755.00	5,950.00
C P FALBY A FEDERAL #003	3002510118	32.4081421	-103.1871872	8	22S	37E	F	1980N	1980W	Lea	NM	EUNICE SOUTHWEST	SAN ANDRES	59,766.00			
C P FALBY A FEDERAL #004	3002510120	32.4081345	-103.1914673	8	22S	37E	E	1980N	660W	Lea	NM	EUNICE SOUTHWEST	SAN ANDRES	10,925.00	5,312.00	1,620.00	201.00
PENROSE #002	3002510146	32.4078712	-103.1739807	9	22S	37E	E	2086N	776W	Lea	NM	EUNICE SOUTHWEST	SAN ANDRES	64,895.00	38,010.00	488.00	2,100.00
LOU WORTHAM #020	3002510216	32.411808	-103.1401749	11	22S	37E	D	660N	660W	Lea	NM	EUNICE SOUTH	SAN ANDRES	10,946.60	6,526.62	19.80	236.34
LOU WORTHAM #005	3002523606	32.4109001	-103.1369629	11	22S	37E	C	990N	1650W	Lea	NM	EUNICE SOUTH	SAN ANDRES	18,587.30	9,459.98	13.21	2,517.65
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	Lea	NM	EUNICE SOUTH	SAN ANDRES	9,192.35	4,442.63	12.31	1,491.30
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	Lea	NM	EUNICE SOUTH	SAN ANDRES	14,867.50	9,040.20	23.98	112.33
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	Lea	NM	EUNICE SOUTH	SAN ANDRES	13,827.50	7,297.65	17.73	1,388.82
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	Lea	NM	EUNICE SOUTH	SAN ANDRES	14,957.40	8,867.14	17.91	405.81
HUGH COI #013	3002523275	32.3982162	-103.1396637	14	22S	37E	D	330N	820W	Lea	NM	EUNICE SOUTH	SAN ANDRES	14,215.20	6,494.66	2,528.51	191.08
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	Lea	NM	EUNICE SOUTH	SAN ANDRES	14,823.90	7,018.36	2,343.50	207.26

Attachment 5

Water Well Map and Well Data



Legend

★ Proposed SWD

NMOSE PODs

Status

- Active (0)
- Pending (0)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (0)
- Unknown (1)

Water Wells Area of Review

ROCKET SWD #1
Lea County, New Mexico

Proj Mgr: Dan Arthur	July 16, 2020	Mapped by: Ben Bockelmann
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Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING

Notes: No water wells are located within 1-mile of the proposed Rocket SWD #1 location.

Attachment 6

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 850, Dallas, TX 75206, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: Rocket SWD #1
Located 7.0 miles west of Eunice, NM
SW ¼ SW ¼, Section 28, Township 21S, Range 36E
565' FSL & 245' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (4,380' – 5,750')

EXPECTED MAXIMUM INJECTION RATE: 32,000 bbl/day

EXPECTED MAXIMUM INJECTION PRESSURE: 876 psi (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

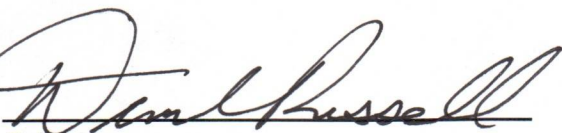
Additional information may be obtained by contacting Nate Alleman at 918-382-7581.

Affidavit of Publication

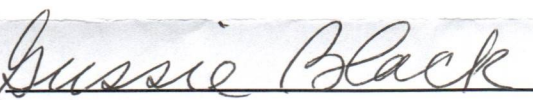
STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

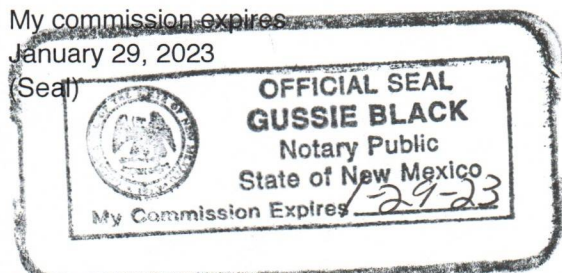
Beginning with the issue dated
July 29, 2020
and ending with the issue dated
July 29, 2020.


Publisher

Sworn and subscribed to before me this
29th day of July 2020.


Business Manager

My commission expires
January 29, 2023
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL	LEGAL
LEGAL NOTICE July 29, 2020	
APPLICATION FOR AUTHORIZATION TO INJECT	
NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 850, Dallas, TX 75206, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:	
PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.	
WELL NAME AND LOCATION: <u>Rocket SWD #1</u> <u>Located 7.0 miles west of Eunice, NM</u> <u>SW 1/4 SW 1/4, Section 28, Township 21S, Range 36E</u> <u>565' FSL & 245' FWL</u> <u>Lea County, NM</u>	
NAME AND DEPTH OF DISPOSAL ZONE: <u>San Andres (4,380' - 5,750')</u>	
EXPECTED MAXIMUM INJECTION RATE: <u>32,000 bbl/day</u>	
EXPECTED MAXIMUM INJECTION PRESSURE: <u>876 psi (surface)</u>	
Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.	
Additional information may be obtained by contacting Nate Alleman at 918-382-7581. #35692	

67115320

00244829

DANIEL ARTHUR
ALL CONSULTING
1718 S. CHEYENNE AVE.
TULSA, OK 74119

Rocket SWD #1 - Notice of Application Recipients				
Entity	Address	City	State	Zip Code
Landowner				
Dasco Cattle Company, LLC	P.O. Box 727	Hobbs	NM	88241
OCD District				
NMOCD District 1	1625 North French Drive	Hobbs	NM	88240
Mineral Owner				
New Mexico BLM	620 East Greene St.	Carlsbad	NM	88220
Leasehold Operators				
Apache Corporation (APACHE CORP)	303 Vet Airpark Lane, Suite 3000	Midland	TX	79705
Burleson Petroleum, Inc (BURLESON PET INC)	P.O. Box 2479	Midland	TX	79702
Chevron USA Inc. (CHEVRON USA INC)	6301 Deauville	Midland	TX	79706
Commision of Public Lands - State Lands Office	310 Old Santa Fe Trail	Santa Fe	NM	87501
ConocoPhillips Company (CONOCOPHILLIPA CO)	P.O. Box 7500	Bartlesville	OK	74005
Oxy USA Inc. (OXY USA, INC.)	P.O. Box 27570	Houston	TX	77227
OXY USA Limited Partnership (OXY USA WTP LMTD PTNRSHIP)	5 Greenway Plaza, Suite 110	Houston	TX	77046
Penrock Oil Corporation (PENROC OIL CORP)	P.O. Box 2769	Hobbs	NM	88241
Southwest Royalties Incorporated (SOUTHWEST ROYALTIES INC)	6 Desta Drive, Suite 2100	Midland	TX	79705
XTO Energy Incorporated (XTO ENERGY INC.)	500 West Illinois Ave, Suite 100	Midland	TX	79701
XTO Holdinga, LLC (XTO HOLDINGS, LLC)	810 Houston Street, Suite 2000	Fort Worth	TX	76102
ZPZ Delaware , LLC (ZPZ DELAWARE I LLC)	2000 Post Oak Blvd, Suite 100	Houston	TX	77056
Notes: The table above shows the Entities who were identified as parties of interest requiring notification on either the 1-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2). The names listed above in parenthesis, are the abbreviated entity names used on either the 1-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2).				

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6 Desta Drive, Suite 2100
Midland TX 79705-5556

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XTO Energy Incorporated
500 West Illinois Ave Suite 100
Midland TX 79701-4337

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Carlsbad NM 88220-6292

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Commission of Public Lands
States Lands Office
310 Old Santa Fe Trail
Santa Fe NM 87501-2708

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Hobbs NM 88241-2769

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Oxy USA Limited Partnership
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Houston TX 77046-0521

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XTO Holdings, LLC.
810 Houston Street, Suite 2000
Fort Worth TX 76102-6223

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ZIP Delaware, LLC
2000 Post Oak Blvd, Suite 100
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Hobbs NM 88241-0727

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PO Box 7500
Bartlesville OK 74005-7500

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Midland TX 79702-2479

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Tulsa OK 74119



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NMOCD District 1
1625 North French Drive
Hobbs NM 88240-9273

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Oxy USA Inc.
PO Box 27570
Houston TX 77227-7570

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