

AE Order Number Banner

Application Number: pMSG2413551076

SWD-2618

GOODNIGHT MIDSTREAM PERMIAN, LLC [372311]



April 23, 2024

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

Subject: Goodnight Midstream Permian, LLC
Application for Authorization to Inject
Skywalker State SWD #1

Mr. Fuge,

Goodnight Midstream Permian, LLC (Goodnight) is applying for administrative approval of the attached Application for Authorization to Inject (Form C-108) for their proposed Skywalker State SWD #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the San Andres Formation in Lea County, NM.

Questions regarding this application or the included materials can be directed to Nate Alleman (Goodnight Regulator Advisor Contractor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

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

Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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

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 holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ 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.

 Print or Type Name

 Signature

 Date

 Phone Number

 e-mail Address

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 _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: _____
ADDRESS: _____
CONTACT PARTY: _____ PHONE: _____
- 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 _____ 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 N 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: _____ TITLE: _____
SIGNATURE: Nathan Allena DATE: _____
E-MAIL ADDRESS: _____
- * 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.

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.**

Operator: Goodnight Midstream Permian, LLC (OGRID# 372311)

Lease/Well Name & Number: Skywalker State SWD #1

Legal Location: 1,569' FNL & 1,788' FWL - Unit F – Section 33 T21S R36E – Lea County

- (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.**

Casing String	Hole Size (in)	Casing Size (in)	Casing Depth (ft)	Sacks Cement (sx)	Top of Cement (ft)	Method Determined
Surface	17-1/2	13-3/8	1,573	968	0	circulation
Production	12-1/4	9-5/8	6,000	1869	0	circulation

A wellbore diagram is included in **Attachment 1**.

- (3) A description of the tubing to be used including its size, lining material, and setting depth.**

5-1/2" fiberglass-coated tubing set at 4,450'

- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.**

Baker Hornet or equivalent' set at 4,450'

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.**

Injection Formation Name - San Andres

Pool Name - SWD; San Andres

Pool Code – 96121

- (2) The injection interval and whether it is perforated or open-hole.**

cased-hole injection between 4,550' - 5,800'

- (3) State if the well was drilled for injection or, if not, the original purpose of the well.**

New drill for injection

- (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.**

None

- (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.**

- **Overlying:**
 - Yates/Seven Rivers/Queen (2,800' - 4,000')
 - Grayburg (3,675' – 4,130')
- **Underlying:**
 - None

V. AOR Maps

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.

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

- 2-Mile Well Map
- 1/2-Mile Well List
- 2-Mile Lease Map
- 1/2-Mile Surface Ownership Map
- 1/2-Mile Mineral Ownership Map

VI. AOR List

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.

Details of the wells within the 0.5-mile AOR are included in **Attachment 2**. No wells within the 0.5-mile AOR penetrate the top of the proposed injection zone.

VII. Operational Information

Attach data on the proposed operation, including:

- (1) Proposed average and maximum daily rate and volume of fluids to be injected;**

Maximum: 40,000 bpd
Average: 30,000 bpd

- (2) Whether the system is open or closed;**

The system will be closed.

- (3) Proposed average and maximum injection pressure;**

Maximum: 910 psi (surface)
Average: approx. 600 psi (surface)

- (4) Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water;**

It is anticipated that produced water from nearby production wells in the basin (including Wolfcamp and Bone Spring formations) will be injected into the proposed SWD. Therefore, analyses from these source waters was obtained and are included in **Attachment 3**.

- (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.).**

The proposed injection interval for this SWD is the San Andres formation, which is a non-productive zone known to be compatible with formation water from the formations. Water analyses of samples collected from the proposed injection formation in the area were obtained and are included in **Attachment 4**.

VIII. Geologic Description

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.

The proposed injection interval is located in the San Andres formation between the depths of 4,550 and 5,800 feet. The San Andres formation consists of an interbedded carbonate sequence composed of limestone and dolomite. These cycles tend to be mappable within the San Andres and are differentiated by sections of either very high or very low porosity and permeability development. Upper and lower confinement will be provided by tight carbonate facies present within San Andres that occur above and below the porous injection interval. The upper confinement is provided by approximately 75 cumulative feet of non-porous/-permeable interbedded dolostones and anhydrites at the base of the Grayburg and top of San Andres. Lower confinement is provided by approximately 80 feet of non-porous/-permeable limestone at the base of the San Andres. These confining layers can be seen in the nearest neutron porosity log that penetrated the full San Andres section from the Pedro SWD (30-025-50079).

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,548'. Water wells in the area are drilled to a depth of approximately 40' - 295'.

IX. Proposed Stimulation Program

Describe the proposed stimulation program, if any.

A minor acid job utilizing 15-20% hydrochloric acid may be used to clean up the wellbore.

X. Logging and Test Data

Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

Logs will be run and submitted to the Division once the well is completed.

XI. Groundwater Wells

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.

Based on data obtained from the New Mexico Office of the State Engineer (OSE), a total of 3 groundwater wells (1 plugged, 2 inactive) are located within 1 mile of the proposed SWD location. None of the water wells identified in the OSE database meet the sampling criteria of being active, fresh water wells.

Attachment 5 includes a map and table with details of the water wells identified within 1-mile.

XII. No Hydrologic Connection Statement

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.

A geologic review conducted on offset wireline log data and published regional studies did not identify any faulting in the vicinity of the proposed locations that would allow for the hydraulic communication between the injection interval and overlying USDWs. The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,548'.

XIII. Proof of Notice

Applicants must complete the "Proof of Notice" section on the reverse side of this form.

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.

A copy of the application was mailed to the Affected Persons, including the OCD District Office, surface owner, leasehold operators within the AOR, and BLM/SLO if they own minerals within the AOR. **Attachment 6** includes a list of the Affected Persons receiving notice of the application and the associated certified mailing receipts (green sheets).

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.

A Public Notice was published in the Hobbs NewsSun, a newspaper of general circulation in the area, and the associated affidavit is included in **Attachment 6**.

Attachment 1

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Artec, NM 87410
District IV
1220 S. St Francis Dr., 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, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96121	³ Pool Name SWD; SAN ANDRES
⁴ Property Code	⁵ Property Name SKYWALKER STATE SWD	⁶ Well Number #1
⁷ OGRID No. 372311	⁸ Operator Name GOODNIGHT MIDSTREAM PERMIAN, LLC	⁹ Elevation 3,588.42'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	21 S	36 E		1,569'	NORTH	1,788'	WEST	LEA

¹¹ 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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

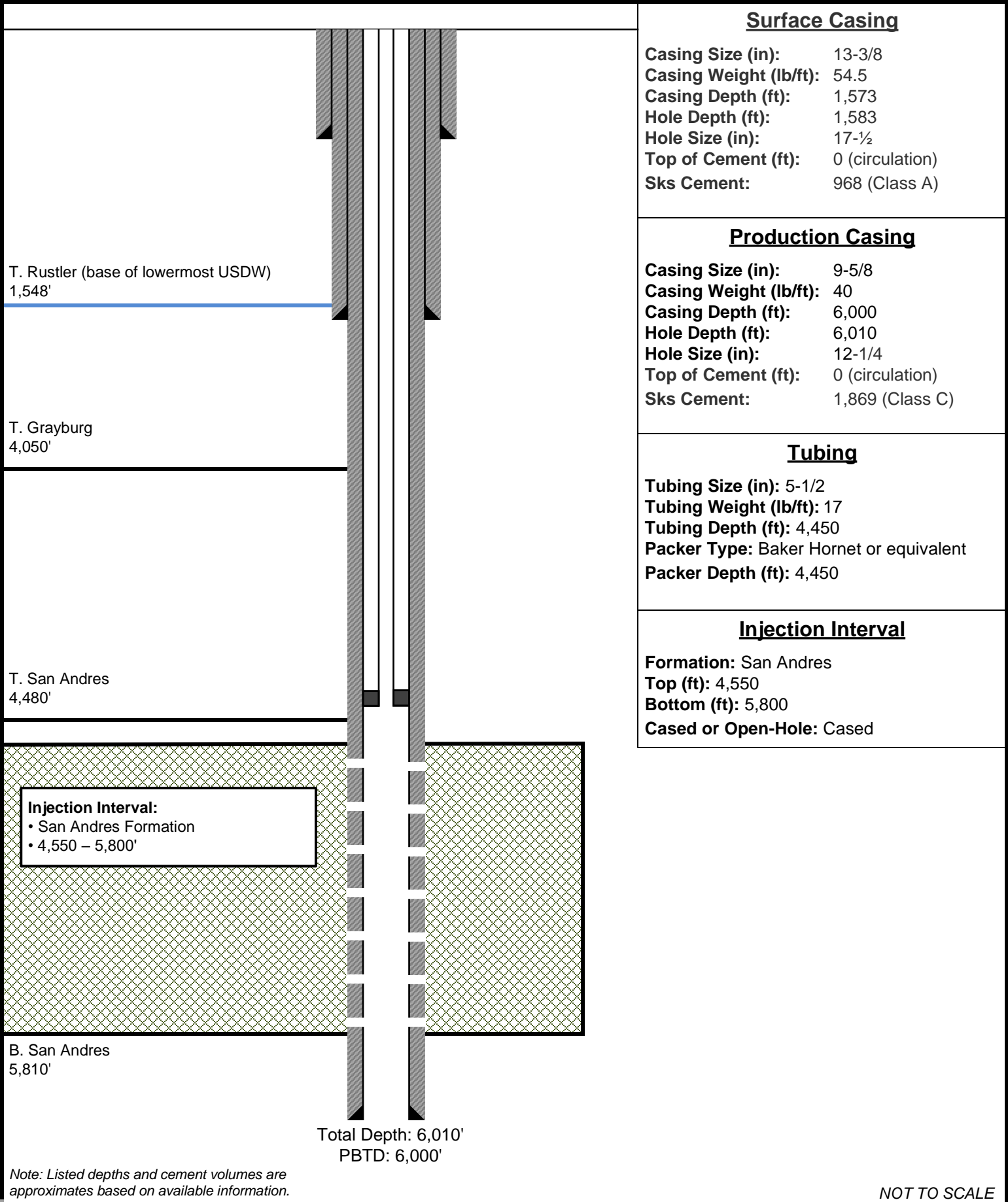
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>¹⁶</p> <p>CORNER COORDINATES NEW MEXICO EAST - NAD 83</p> <p>A - 1/2" REBAR N = 526,348.08', E = 866,617.03' B - CALCULATED CORNER N = 526,369.33', E = 869,256.23' C - CALCULATED CORNER N = 526,390.59', E = 871,895.42' D - IRON PIPE W/ BRASS CAP N = 523,770.90', E = 871,925.05' E - IRON PIPE W/ BRASS CAP N = 521,122.16', E = 871,951.98' F - IRON PIPE W/ BRASS CAP N = 521,090.76', E = 869,311.53' G - IRON PIPE W/ BRASS CAP N = 521,065.66', E = 866,670.46' H - 1/2" REBAR N = 523,707.55', E = 866,644.29'</p> <p>SURFACE HOLE LOCATION 1,569' FNL & 1,788' FWL ELEV. = 3,588.42' NAD 83 X = 868,420.80' NAD 83 Y = 524,793.27' NAD 83 LAT = 32.438260° NAD 83 LONG = -103.273137° NAD 27 X = 827,236.39' NAD 27 Y = 524,731.87' NAD 27 LAT = 32.438134° NAD 27 LONG = -103.272665°</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Nate Alleman</i> 04/01/2024 Signature Date Nate Alleman Printed Name nate.alleman@aceadvisors.com Email Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date: 3/27/2024</p> <p>MARK J. MURRAY P.L.S. NO. 12177</p>
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Goodnight Midstream Permian, LLC

Skywalker State SWD #1

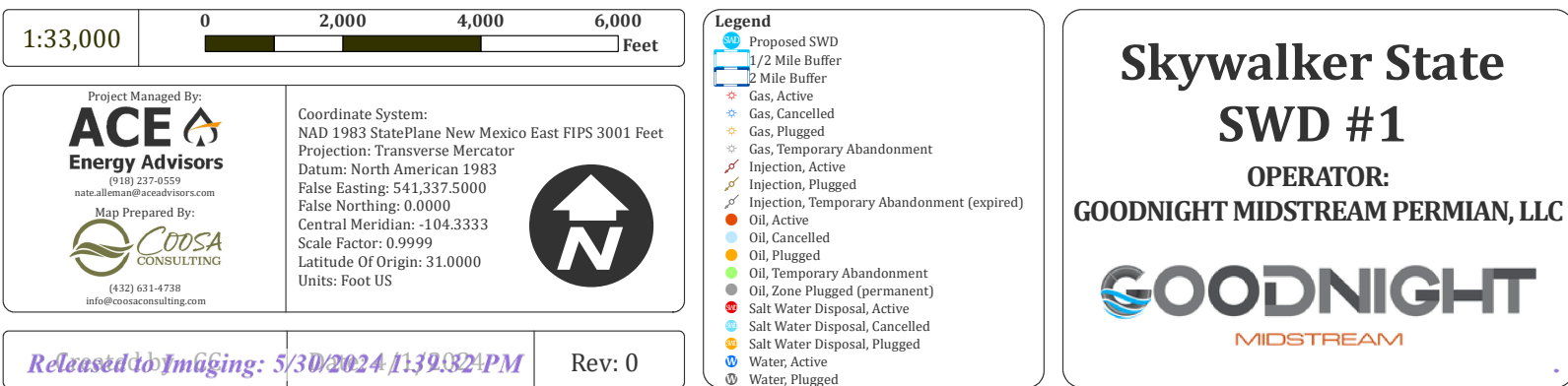
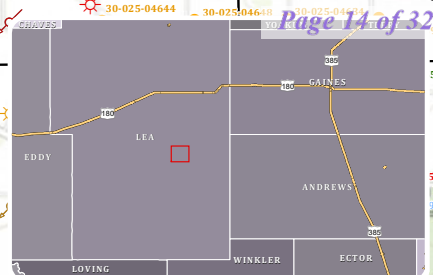
Wellbore Diagram



NOT TO SCALE

Attachment 2

SECTION 33, TOWNSHIP 21 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO



**Skywalker State
SWD #1
OPERATOR:
GOODNIGHT MIDSTREAM PERMIAN, LLC**

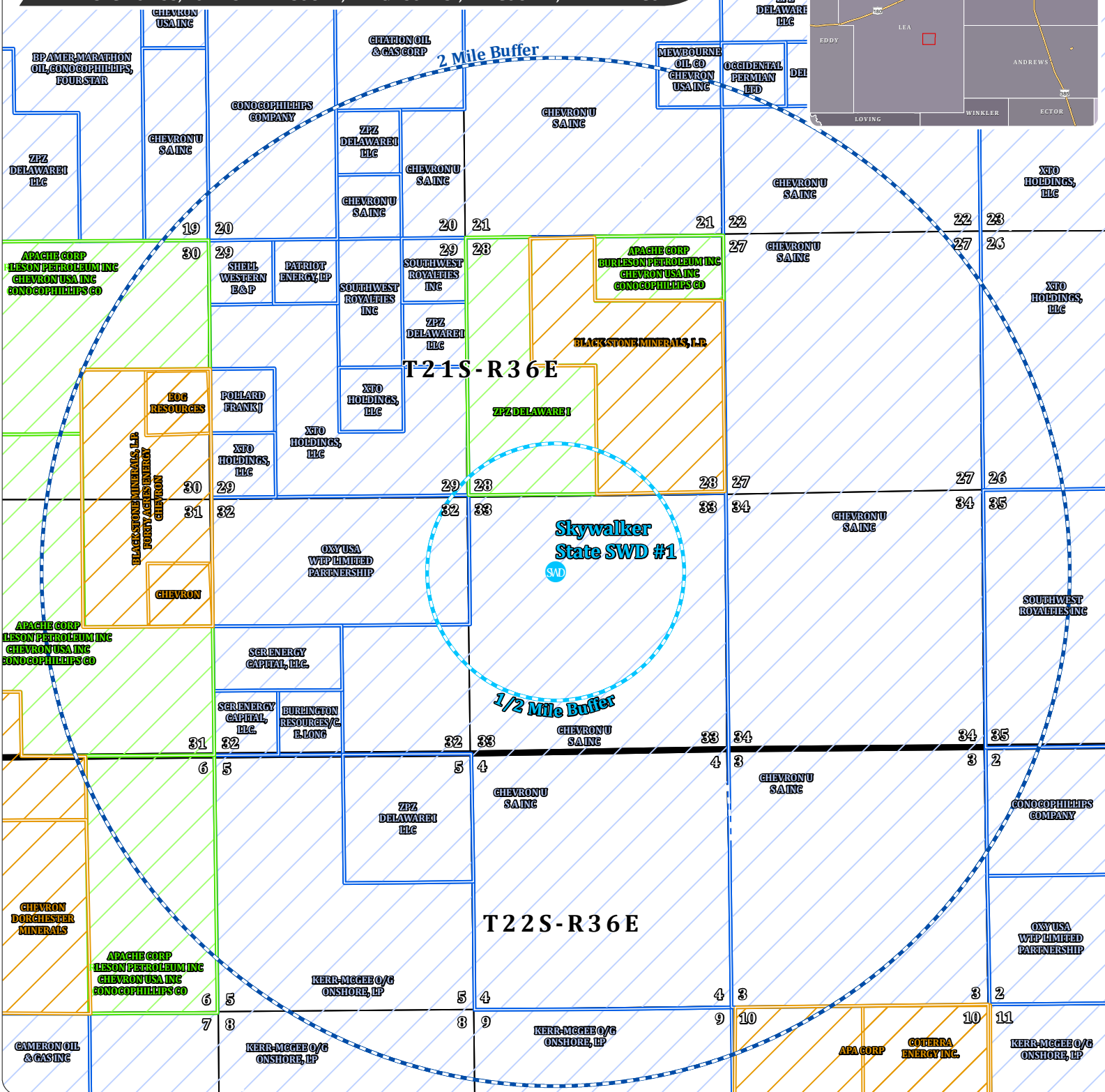
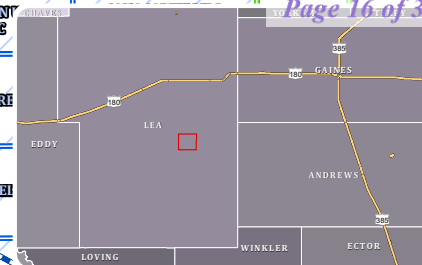
GOODNIGHT
MIDSTREAM

1/2 Mile Well List (Top of Injection Interval: 4,550')

Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
STATE D #004	30-025-04866	Oil	FAE II Operating LLC	Active	2/10/1936	H-32-21S-36E	3941	No
STATE D #003	30-025-04865	Gas	FAE II Operating LLC	Active	12/23/1935	A-32-21S-36E	3900	No
PRE-ONGARD WELL #001	30-025-04882	Oil	Pre-Ongard Well Operator	Plugged (site released)	2/17/1936	D-33-21S-36E	3885	No
ARNOTT RAMSAY NCT D #004	30-025-04885	Oil	Empire New Mexico LLC	Active	6/14/1956	E-33-21S-36E	3909	No
ARNOTT RAMSAY NCT D #009	30-025-04890	Oil	Empire New Mexico LLC	Temporary Abandonment (expired)	10/21/1957	L-33-21S-36E	3870	No
LOCKHART B 28 #004	30-025-04812	Gas	Penroc Oil Corp	Active	1936	M-28-21S-36E	3900	No
ARNOTT RAMSAY NCT D #003	30-025-04884	Gas	Empire New Mexico LLC	Active	11/20/1955	F-33-21S-36E	3900	No
ARNOTT RAMSAY NCT D #006	30-025-04887	Oil	Empire New Mexico LLC	Plugged (site released)	7/19/1956	K-33-21S-36E	3909	No
ARNOTT RAMSAY NCT D #015	30-025-26167	Gas	Empire New Mexico LLC	Active	12/12/1978	B-33-21S-36E	3950	No
ARNOTT RAMSAY NCT D #012	30-025-04893	Gas	Empire New Mexico LLC	Temporary Abandonment	4/16/1958	J-33-21S-36E	3900	No
ARNOTT RAMSAY NCT D #005	30-025-04886	Gas	Chevron USA INC	Plugged (site released)	7/2/1956	G-33-21S-36E	3880	No
Notes: No wells within the 1/2-mile AOR penetrates the injection interval								

LEASEHOLDER MAP

SECTION 33, TOWNSHIP 21 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO



1:33,000

0 2,000 4,000 6,000 Feet

Legend

- Proposed SWD
- 1/2 Mile Buffer
- 2 Mile Buffer
- BLM Mineral Leases
- NMSLO Mineral
- Private Mineral

Skywalker State SWD #1

OPERATOR:
GOODNIGHT MIDSTREAM PERMIAN, LLC

GOODNIGHT
MIDSTREAM

Project Managed By:
ACE
Energy Advisors

(918) 237-0559
nate.allen@aceadvisors.com

Map Prepared By:

COOSA
CONSULTING

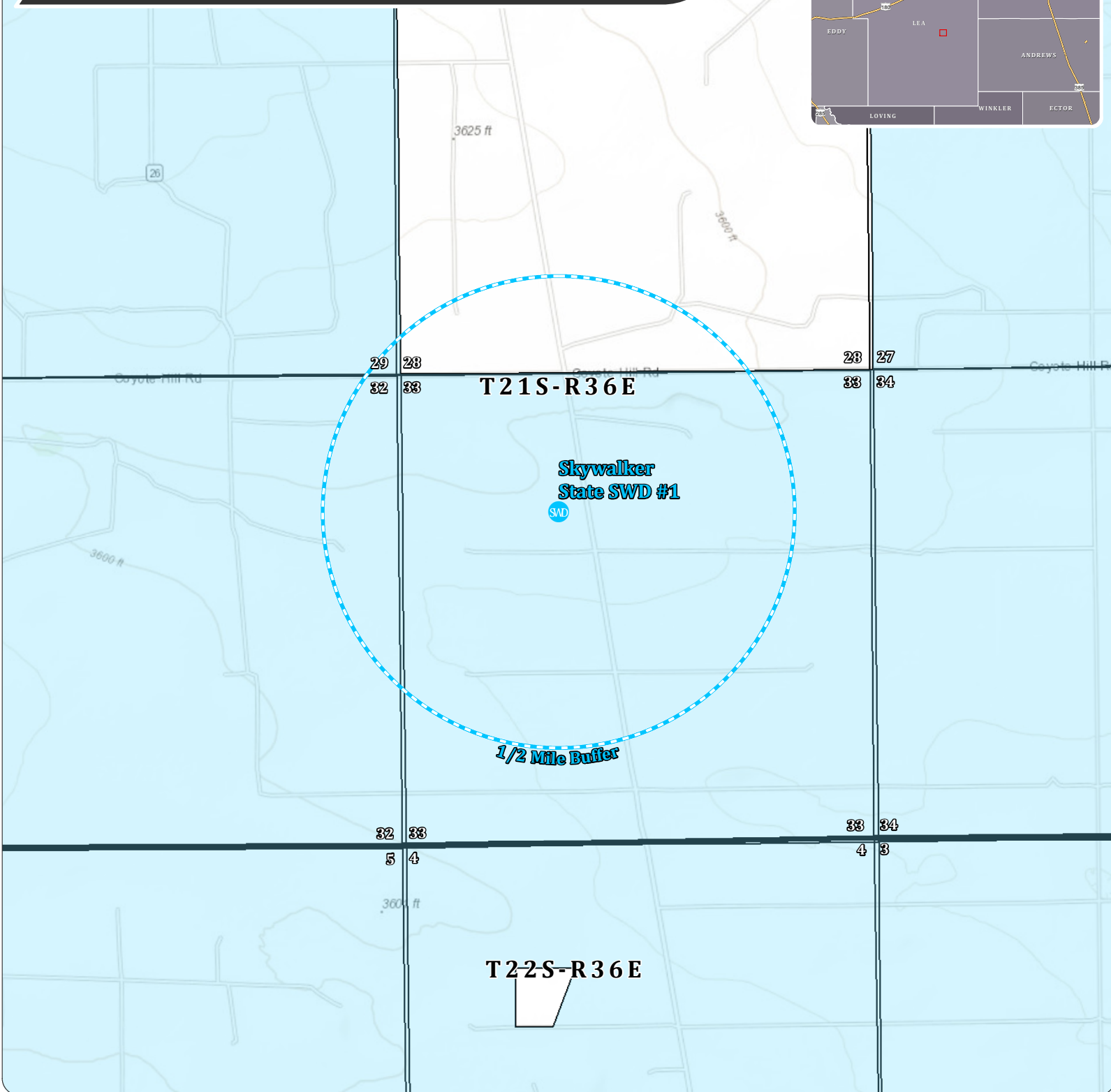
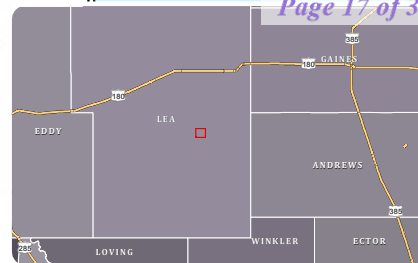
(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



SURFACE OWNERSHIP MAP






SECTION 33, TOWNSHIP 21 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1/2 Mile Buffer
-  Federal Land
-  State of NM Land
-  Private Land

Project Managed By:
ACE Energy Advisors
 (918) 237-0559
 nate.alleman@aceadvisors.com

Map Prepared By:
COOSA CONSULTING
 (432) 631-4738
 info@coosaconsulting.com

Coordinate System:
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
 Projection: Transverse Mercator
 Datum: North American 1983
 False Easting: 541,337.5000
 False Northing: 0.0000
 Central Meridian: -104.3333
 Scale Factor: 0.9999
 Latitude Of Origin: 31.0000
 Units: Foot US



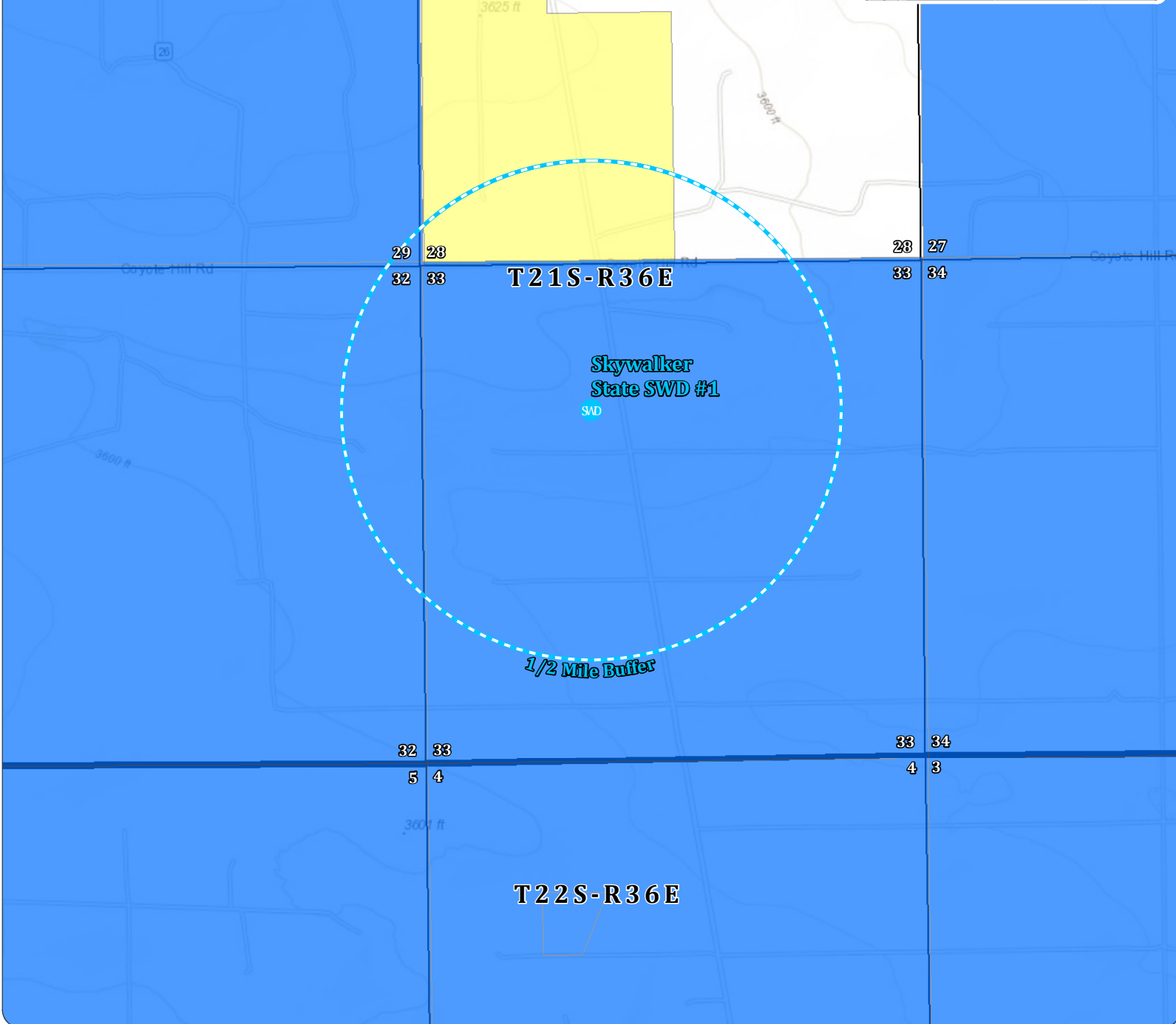
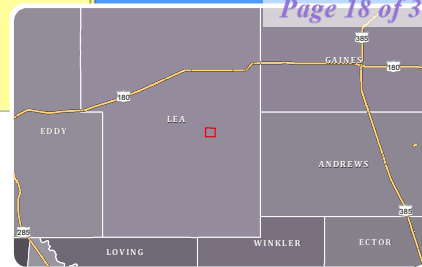
**Skywalker State
 SWD #1**

OPERATOR:
GOODNIGHT MIDSTREAM PERMIAN, LLC

GOODNIGHT
 MIDSTREAM

MINERAL OWNERSHIP MAP






SECTION 33, TOWNSHIP 21 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1/2 Mile Buffer
-  Subsurface minerals (NMSLO)
-  All minerals are owned by U.S. (BLM)
-  Private minerals

Project Managed By:
ACE
Energy Advisors

(918) 237-0559
nate.alleman@aceadvisors.com

Map Prepared By:
COOSA
CONSULTING

(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



**Skywalker State
SWD #1**

OPERATOR:
GOODNIGHT MIDSTREAM PERMIAN, LLC

GOODNIGHT
MIDSTREAM

Attachment 3

Source Formation Water Analysis															
Sample ID	Location	Sampled	Density (g/cm3)	pH	TDS (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	H2S (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Barium (mg/L)	Strontium (mg/L)
01221109137	Fenway Intake	11/7/2022	1.0891	6.95	135,928	1,305	700	82,200	25.5	45,751	3,545	517	940	1.036	291.287
01221109135	Wrigley Intake	11/7/2022	1.097	6.86	148,124	842	460	90,300	8.5	49,257	4,618	656	993	1.382	395.287
01221207053	Wrigley Intake	12/6/2022	1.0959	6.54	146,477	793	560	92,300	1.7	45,663	4,604	620	941	1.249	356.362
01221208074	Fenway Intake	12/7/2022	1.0748	7.17	113,802	1,159	1,120	71,300	10.2	35,322	3,066	442	731	0.758	173.797
01221221010	Wrigley Intake	12/20/2022	1.0939	6.63	143,345	769	600	88,500	5.1	46,563	4,491	608	905	1.333	344.795
01221222076	Fenway Intake	12/21/2022	1.0835	6.53	127,344	1,281	1,040	77,300	6.8	43,095	2,521	301	1,001	0.745	141.632
01230109145	Fenway Intake	1/6/2023	1.08	6.87	121,947	1,220	1,120	75,800	8.5	39,695	2,369	366	798	0.399	136.365
01230110023	Wrigley Intake	1/8/2023	1.0849	6.59	129,461	744	1,060	81,200	5.1	41,254	3,148	458	909	0.609	188.869
01230222038	Fenway Intake	2/21/2023	1.0827	6.46	126,035	281	1,060	79,100	37.4	40,536	3,077	472	907	0.677	170.223
01230222040	Wrigley Intake	2/21/2023	1.0871	6.51	132,935	305	1,040	82,300	42.5	43,607	3,487	537	1,042	0.720	190.819
01230303013	Fenway Intake	3/2/2023	1.076	6.71	115,651	317	1,160	69,000	27.2	41,114	2,306	365	825	0.233	135.392
01230303011	Wrigley Intake	3/2/2023	1.0749	6.76	114,012	317	1,080	68,400	18.7	40,323	2,206	351	789	0.218	129.774
01230322021	Fenway Intake	3/21/2023	1.0828	6.75	126,232	1,086	1,120	78,200	2.6	41,275	2,574	433	940	0.161	144.014
01230322019	Wrigley Intake	3/21/2023	1.0795	6.84	121,160	1,293	1,200	75,000	3.3	39,580	2,242	376	874	0.087	128.468
01230404040	Fenway Intake	4/3/2023	1.0708	7.12	107,624	1,110	1,140	65,400	2.9	36,430	2,053	320	723	0.421	118.143
01230404038	Wrigley Intake	4/3/2023	1.0831	6.86	126,598	964	900	76,600	1.9	42,467	3,662	479	795	0.895	238.628
01230418049	Fenway Intake	4/17/2023	1.0829	6.84	126,344	1,171	1,120	78,000	3.5	41,804	2,465	398	817	0.417	138.057
01230418045	Wrigley Intake	4/17/2023	1.0904	6.8	138,016	964	960	85,100	2.1	45,571	3,357	519	865	0.719	223.506
01230502014	Fenway Intake	5/1/2023	1.0833	6.83	126,916	1,110	1,120	79,300	78.4	40,766	2,776	423	794	0.155	151.377
01230502010	Wrigley Intake	5/1/2023	1.0983	6.69	150,165	1,074	610	94,000	0.0	47,635	4,515	617	886	1.000	358.521
01230516051	Fenway Intake	5/15/2023	1.0798	6.61	121,553	512	580	76,900	83.3	38,748	2,695	455	823	0.593	134.958
01230516049	Wrigley Intake	5/15/2023	1.103	6.19	157,526	232	680	99,400	22.1	49,425	4,977	762	1,145	1.008	247.502
01230602055	Fenway Intake	6/2/2023	1.0828	6.37	126,179	573	1,020	76,500	64.6	42,594	3,370	518	823	0.568	193.425
01230602053	Wrigley Intake	6/2/2023	1.0978	6.28	149,438	427	600	91,500	13.6	49,006	5,299	730	974	1.331	371.148
01230619032	Fenway Intake	6/16/2023	1.0887	6.42	135,372	512	630	75,100	13.6	50,679	5,758	799	954	1.117	453.407
01230619028	Wrigley Intake	6/16/2023	1.1038	6.46	158,711	500	500	97,600	13.6	51,322	5,988	830	959	1.259	480.694
01230706292	Fenway Intake	7/6/2023	1.08	6.99	121,870	1,305	1,000	74,800	66.3	41,107	1,996	315	822	0.161	115.251
01230706288	Wrigley Intake	7/6/2023	1.0912	6.69	139,171	927	660	86,900	30.6	44,744	3,702	541	888	0.810	268.273
01230804008	Fenway Intake	8/3/2023	1.0912	6.68	139,142	1,061	1,140	79,000	91.8	53,479	2,279	381	1,113	0.519	152.159
01230804002	Wrigley Intake	8/3/2023	1.0906	6.64	138,217	805	340	83,100	59.5	47,607	3,942	614	895	1.180	286.077
01230908151	Fenway Intake	9/7/2023	1.0791	6.7	120,546	1,415	1,220	75,600	175.1	38,370	2,000	312	851	0.481	135.884
01230908149	Wrigley Intake	9/7/2023	1.0796	6.57	121,336	500	610	77,900	30.6	27,289	226	307	529	0.478	127.034
01231019004	Wrigley Intake	10/17/2023	1.0866	6.51	132,032	1,281	1,280	80,200	8.1	45,082	2,314	362	916	0.704	131.447
01231023019	Fenway Intake	10/20/2023	1.0877	6.89	133,850	878	980	81,500	113.9	45,839	2,576	387	1,021	0.673	142.282
01231113004	Fenway Intake	11/10/2023	1.0857	6.97	130,760	1,171	1,080	81,000	42.5	43,351	2,318	375	840	0.647	152.793
01231113006	Wrigley Intake	11/10/2023	1.0886	7.04	135,183	659	540	83,900	42.5	43,083	4,579	660	783	1.807	414.885
01231213015	Fenway Intake	12/12/2023	1.0792	6.74	120,569	1,293	1,120	73,400	59.5	40,563	2,393	388	766	0.516	123.860
01231213017	Wrigley Intake	12/12/2023	1.094	6.82	143,563	598	530	89,100	6.8	46,012	4,860	674	782	1.986	426.907
01240110010	Fenway Intake	1/9/2024	1.0859	6.43	130,968	927	960	79,900	40.8	44,000	3,181	439	894	0.702	167.875
01240110012	Wrigley Intake	1/9/2024	1.0817	6.81	124,559	610	630	76,500	13.6	39,875	4,707	595	759	1.371	334.754
01240213004	Fenway Intake	2/12/2024	1.0825	6.52	125,818	1,061	1,220	77,700	59.5	41,335	2,665	403	754	0.483	125.526

Data Source: Goodnight Analysis of Intake Water Samples

Attachment 4

Injection Formation Water Analysis												
Well Name	API	Formation	Sampled	pH	TDS (Mg/L)	Bicarbonate (Mg/L)	Sulfate (mg/L)	Chloride (Mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)
Ernie Banks SWD #1 ¹	30-025-50633	San Andres	1/18/2023	7.18	26,300	830	1,830	13,600	7,850	1,030	303	172
Sosa SA 17 SWD #2 ¹	30-025-47947	San Andres	3/23/2021	7.01	19,000	915	2,100	8,900	5,380	958	326	170
Nolan Ryan SWD #1 ¹	30-025-45349	San Andres	10/18/2019	5.84	46,700	1,010	2,520	27,700	11,600	2,670	848	159
Yaz 28 SWD #1 ¹	30-025-46382	San Andres	11/11/2019	6.68	44,800	683	2,830	24,200	10,900	1,430	497	148
Pedro SWD #1 ¹	30-025-50079	San Andres	6/11/2022	7.82	41,900	842	2,740	23,800	13,000	1,470	426	217
Parker Energy SWD #5 ²	30-025-38789	San Andres	11/19/2014	6.55	17,400	1,510	465	10,900	N/A	1,890	574	N/A
EMSU #459 ³	30-025-29826	San Andres	1/14/2000	6.88	18,031	525	2,463	8,711	5,156	894	382	183

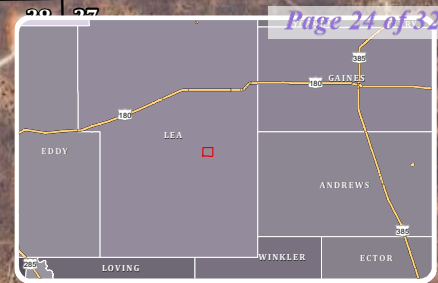
Data Sources

- ¹ Goodnight SWD Swab Data
- ² OCD Well Files
- ³ GoTech Produced Water Quality Data Search

Attachment 5

WATER WELL MAP

SECTION 33, TOWNSHIP 21 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO



CP-01983-POD1

T21S-R36E

Skywalker
State SWD #1

SWD

29 28
32 3328 27
33 3432 33
5 433 34
4 3

CP-00848-POD1 • CP-00369-POD1

CP-01855-POD1

T22S-R36E










1 Mile Buffer

CP-00727

1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1 Mile Buffer
- NMOSE Points of Diversion**
-  Active
-  Pending
-  Changed Location of Well
-  Inactive
-  Capped
-  Plugged
-  Unknown

Project Managed By:

ACE
Energy Advisors(918) 237-0559
nate.allen@aceadvisors.com

Map Prepared By:

COOSA
CONSULTING(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

**Skywalker State
SWD #1****OPERATOR:****GOODNIGHT MIDSTREAM PERMIAN, LLC****GOODNIGHT**
MIDSTREAM

Water Well Sampling Table					
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Notes
CP 00369 POD1	Declaration	Gulf Oil Corporation	P.O. Box 1938 Roswell, NM	Oil Production	Not a fresh water supply well
CP 00848 POD1	Notice of Intention	Chevron USA INC.	P.O. Box 670 Hobbs, NM 88240	Oil Production	Not a fresh water supply well
CP 01983 POD1	Plugged	Goodnight Midstream Permian LLC	6309 Indiana Ave Ste D Lubbock, TX 79413	Monitoring	Not a fresh water supply well
Notes:					

Attachment 6

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
April 05, 2024
and ending with the issue dated
April 05, 2024.



Publisher

Sworn and subscribed to before me this
5th day of April 2024.



Business Manager

My commission expires
January 29, 2027

(Seal) **STATE OF NEW MEXICO**
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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 publication has been made.

LEGAL	LEGAL	OH
LEGAL NOTICE April 5, 2024		
<p>Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 800, Dallas, TX 75206, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Skywalker State SWD #1. This will be a new well located 1,569' FNL & 1,788' FWL in Section 33 Township 21S Range 36E in Lea County, New Mexico. The purpose of the well is to inject produced water from permitted oil and gas wells in the area for commercial disposal into the San Andres formation at depths of 4,550' - 5,800' at a maximum surface injection pressure of 910 psi and a maximum injection rate of 40,000 barrels of water per day.</p> <p>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.</p> <p>Additional information may be obtained by contacting Nate Alleman at 918-237-0559. #00288973</p>		

67117907

00288973

NATE ALLEMAN
ACE ENERGY ADVISORS
501 E. FRANK PHILLIPS BLVD.
SUITE 201
BARTLESVILLE, OK 74006

Statement of Affected Person Notification

A copy of the C-108 application has been provided to the following Affected Persons as notification of the subject Application for Authorization to Inject (C-108).

Entity Name	Entity Address	Mailing Date
Site Surface Owner		
State Land Office	P.O. Box 1148 Santa Fe, NM 87504	4/23/2024
AOR Mineral Owner (SLO/BLM/Unleased Minerals)		
State Land Office	P.O. Box 1148 Santa Fe, NM 87504	4/23/2024
Bureau of Land Management Oil & Gas Division	620 E. Greene St. Carlsbad, NM 88240	4/23/2024
OCD District		
OCD – District 1	1625 N. French Drive Hobbs, NM 88240	4/23/2024
Leaseholders within ½-Mile AOR		
ZPZ Delaware I	2000 Post Oak Blvd Ste 100 Houston Tx, 77056	4/23/2024
Chevron USA, Inc	6301 Deauville Blvd Midland, TX 79706	4/23/2024
XTO Holdings, LLC	6401 Holiday Hill Rd Midland, TX 79707	4/23/2024
Blackstone Minerals, LP	1001 Fannin, Suite 2020 Houston, TX 77002	4/23/2024
Oxy USA WTP Limited Partnership	5 Greenway Plaza Ste 110 Houston, TX 77046	4/23/2024
Well Operators within ½-Mile AOR		
FAE II Operating, LLC	11757 Katy Freeway, Suite 725 Houston, TX 77079	4/23/2024
Empire New Mexico LLC	2200 S Utica Place, Suite 150 Tulsa, OK 74114	4/23/2024
Penroc Oil Corp	PO Box 2769 Hobbs, NM 882412769	4/23/2024

Nathan Alleman
 Ace Energy Advisors
 501 Se Fph Blvd Ste 201
 BARTLESVILLE OK 74003-3931

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OCD - DISTRICT 1
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 Hobbs NM 88240-9273

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 2000 Post Oak Blvd Ste 100
 Houston TX 77056-4497

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6301 Deauville
Midland TX 79706-2964

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XTO Holdings, LLC
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Midland TX 79707-2154

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Blackstone Minerals, LP
1001 Fannin St Ste 2020
Houston TX 77002-6715

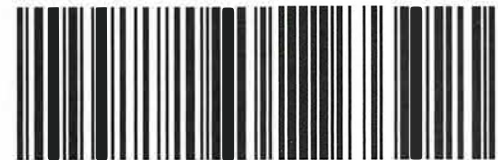
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Oxy USA WTP Limited Partnership
5 Greenway Plz Ste 110
Houston TX 77046-0521

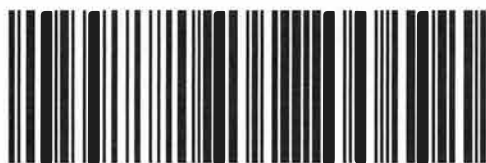
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Houston TX 77079-1743

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Empire New Mexico LLC
2200 S Utica Pl Ste 150
Tulsa OK 74114-7015

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Ace Energy Advisors
501 Se Fph Blvd Ste 201
BARTLESVILLE OK 74003-3931

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Penroc Oil Corp
Po Box 2769
Hobbs NM 88241-2769

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1625 N. French Dr., Hobbs, NM 88240
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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 349497

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 349497
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	5/30/2024