# AE Order Number Banner

## **Application Number:** pMSG2419948791

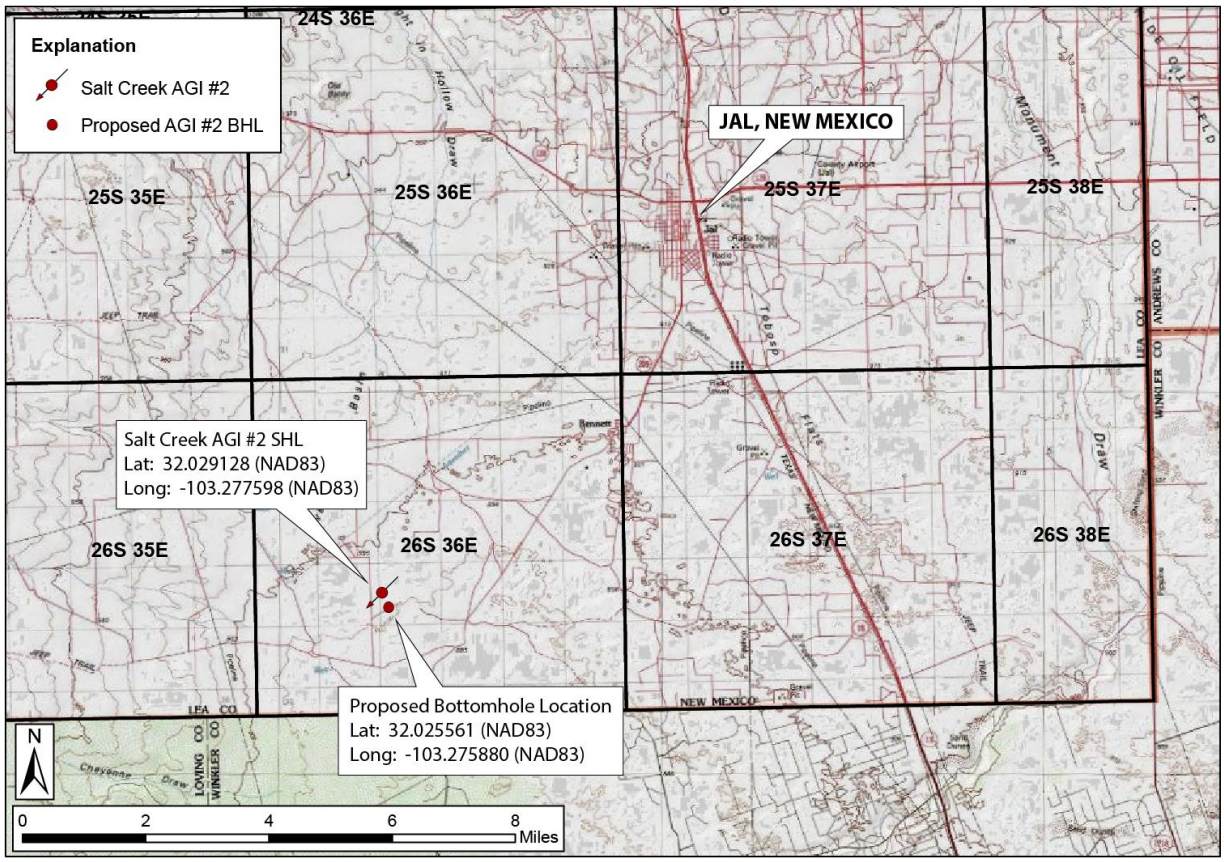
## SWD-2622

## Northwind Midstream Partners LLC [331501]

# APPLICATION TO AMEND EXISTING UIC CLASS II INJECTION WELL PERMIT

REQUEST TO AMEND AGI WELL DESIGN AND BOTTOM-HOLE LOCATION
NMOCD ORDER SWD-2580

Northwind Midstream Partners, LLC (OGRID #331501)
Salt Creek AGI #2




Permitted Well Surface Location: 32.029128, -103.277598 (NAD83)
Proposed New Bottomhole Location: 32.025561, -103.275880 (NAD83)

June 2024

Prepared for:

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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: Northwind Midstream Partners, LLC [331501]

ADDRESS: 811 Louisiana Street, Suite 2500; Houston, TX 77002

CONTACT PARTY: Ben Ahiabor PHONE: (346) 613-1451

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? X Yes _____ No
If yes, give the Division order number authorizing the project: NMOCD Order SWD-2580

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.
**Section 6; Appendix B**

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.
**N/A - Amendment**

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; **Sections 1, 2, 5**
2. Whether the system is open or closed; **Sections 1, 2, 5**
3. Proposed average and maximum injection pressure; **Sections 1, 2, 5**
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, **N/A - Amendment**
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.). **N/A - Amendment**

*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.
**N/A - Amendment**

IX. Describe the proposed stimulation program, if any.
**N/A**

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
**N/A - Amendment**

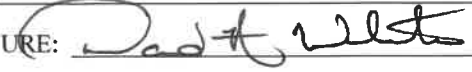
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
**N/A - Amendment**

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.
**N/A - Amendment**

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
**Appendix C**

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: DAVID A. WHITE, P.G. TITLE: VICE PRESIDENT

SIGNATURE:  DATE: JUNE 5, 2024

E-MAIL ADDRESS: DWHITE@GEOLEX.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: NMOCD Order SWD-2580

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

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## 1.0 EXECUTIVE SUMMARY

On behalf of Northwind Midstream Partners, LLC (Northwind Midstream, OGRID #331501), Geolex, Inc.® (Geolex) has prepared and is hereby submitting a complete C-108 Application to Amend the New Mexico Oil Conservation Division (NMOCD) Order SWD-2580. In submitting this application, Northwind Midstream is seeking authorization to drill the currently approved Salt Creek AGI #2 well as a deviated well to a new bottomhole location approximately 1,400 ft. southeast of the currently approved surface hole location. Redesign to accommodate a deviated well design and relocation of the AGI well bottomhole location is necessary, as recent geologic analysis of the project area indicates that drilling the Salt Creek AGI #2 well, as permitted (i.e., as a vertical well), would likely result in a poor performing AGI well, as Siluro-Devonian strata immediately underlying the current surface location appears to exhibit low porosity characteristics, as identified through detailed analysis of 3D seismic survey data and associated analyses. Analysis of seismic survey data indicates that Siluro-Devonian porosity is significantly more well developed, and interconnected to the greater project area, approximately 1,400 ft. southeast of the current Salt Creek AGI #2 surface location.

In developing this C-108 amendment application, Northwind has coordinated with relevant NMOCD Underground Injection Control personnel, and we have prepared specific application components that address the primary issues that are the subject of this request. Additionally, we have updated key Form C-108 application components with respect to interested parties, areas of administrative and technical review, reservoir modeling and injection simulation, as well as the evaluation of induced seismicity risk, in accordance with guidance provided by New Mexico Oil Conservation Division (NMOCD) technical personnel. All remaining typical C-108 application components can be found in the original application, which was approved in January 2024 and is publicly available in NMOCD well records.

Injection operations via the Salt Creek AGI #2 were initially authorized on January 24, 2024, through the issuance of NMOCD Administrative Order SWD-2580. The AGI well was approved as a UIC Class II injection well for the general purposes of (1) permanently sequestering treated acid gas (TAG) containing hydrogen sulfide ($H_2S$) and carbon dioxide ($CO_2$) from the Titan Treatment Facility into deep geologic strata of the Siluro-Devonian, and (2) fulfilling the redundant well requirements of New Mexico Oil Conservation Commission (NMOCC) Order R-20913-C. Salt Creek AGI #2 is currently permitted as a vertical well in Section 21 of Township 26 South, Range 36 East, and is authorized to inject TAG at a rate of twelve (12) million standard cubic feet per day (MMSCFD) and at a surface injection pressure up to 5,798 psig. In accordance with the results of on-going geological analyses, Northwind has identified that relocation of the bottomhole location and a deviated well design is necessary to ensure a successful AGI well that can accommodate the disposal needs of the Titan Treatment Facility.

Following the issuance of NMOCD Administrative Order SWD-2580, and in preparation for Salt Creek AGI #2 drilling and completion activities, Northwind completed additional geologic analysis leveraging licensed 3D seismic survey data that was acquired and covered the Salt Creek AGI #2 project area. Detailed analysis of these data allowed for better characterization of subsurface structure in the project area, and through seismic inversion analysis methods, provided a more accurate characterization of Siluro-Devonian porosity development and the interconnectivity of porous strata. In completing these analyses, it was identified that deviation of the Salt Creek AGI #2 well, to a location approximately 1,400 ft. southeast, was necessary, as a vertical well construction would intersect intervals of tight, low porosity geologic strata and lack interconnection to other porous intervals within the greater project area. At the proposed new bottomhole location, Siluro-Devonian karst porosity is well developed and the degree to which porous strata are interconnected is significantly greater than the permitted Salt Creek AGI #2 well location.

As relocation of the Salt Creek AGI #2 bottomhole requires additional well design considerations, Northwind also requests approval to revise the AGI well casing/tubing and cementing program. The proposed revisions include additional casing and cement materials to specifically accommodate construction of a deviated well, as well as general design improvements incorporating sour service material grade tubulars (i.e., SS95) and the additional utilization of corrosion-resistant cement slurries, which are intended to provide additional protection and ensure well integrity is maintained. Figure 3 includes a proposed deviated well schematic illustrating the proposed redesign for Salt Creek AGI #2. It should be noted that modification of the casing/tubing and cementing plan is limited only to changes necessary to accommodate a deviated well design and specific improvements to well material grades and additional corrosion-resistant cement coverage. All other critical AGI well design considerations, including the utilization of corrosion-resistant alloy materials (CRA), corrosion-resistant cements in the production casing string, and all down-hole well monitoring and safety equipment, remain unchanged.

In accordance with the results of additional geological analyses, informed by newly acquired seismic survey data, reservoir modeling and injection simulations have been recompleted to better understand and forecast plume characteristics and the migration of the resultant TAG plume after 30 years of injection operations. Following operation of the well at the permitted rate of 12 MMSCFD, the resultant TAG plume would occupy an area of approximately 2,050 to 2,084 acres and would extend a maximum of approximately two (2) miles from the AGI #2 bottomhole location. Gas saturation values are anticipated to range from 0 to 0.45 approximately two (2) miles from the AGI #2 bottomhole location, with diffuse concentrations (i.e., <10%) characterizing the plume margins.

In support of this amendment application, and in accordance with the results of additional geologic analysis, assessment of induced seismicity risk has also been recompleted. Analysis to determine the risk for induced seismicity was completed utilizing the Stanford Center for Induced and Triggered Seismicity's (SCITS) Fault Slip Potential modeling package. While analysis of seismic survey data has allowed for identification of additional faults within the project area, there are no features that exhibit offset sufficient to compromise injection reservoir confining strata and there are no features predicted to be at risk for injection-induced slip in response to the proposed injection activities, which include operation of the Salt Creek AGI #2 well and additional offset saltwater disposal (SWD) wells. These results confirm the findings of prior induced-seismicity risk assessment, in that the operations of the Salt Creek AGI #2, as permitted and at a new bottomhole location, will not result in an increased risk for injection-induced fault slip in the area.

As the proposed amendments regarding well design and bottomhole location reflect significant change to the AGI well project, a re-evaluation of the Salt Creek AGI #2 Area of Review (AOR) was completed to ensure all oil and gas operators, as well as new interested parties, have been identified and are provided written notification of Northwind's intent to submit this amendment application.

In total, there are 84 wells within the one-mile radius of the revised AGI well bottomhole location. Specific information relating to active and plugged wells is summarized in Appendix B and Figures 10 and 11. Of these wells, 23 are active and 25 are plugged. Additionally, there are 36 locations permitted, but have not yet been drilled or completed. Wells (active and plugged) commonly target shallow producing intervals within the Tansill-Yates-Seven Rivers, as well as Bone Springs and Wolfcamp Formations, all of which, overly the approved Siluro-Devonian injection reservoir. There are no wells within the one-mile area of review that penetrate the approved Siluro-Devonian injection zone, however, four (4) penetrating wells (previously identified) are within the two-mile area of review.

In re-evaluating the AGI #2 well area of review, modified to reflect a one-mile buffer zone surrounding the surface and bottom-hole location and the proposed deviation path, Northwind completed a detailed review of Lea County, New Mexico land records to identify all operators, oil and gas lessees, and surface

owners within a one-mile radius of the proposed AGI #2 well path. Section 6.0 of this application includes the results from that review. Prior to submittal of this amendment application, all identified interested parties were provided a letter of notice and a complete copy of the amendment application. To date, no parties have intervened or requested additional information regarding the Salt Creek AGI #2 project.

As the proposed modifications to NMOCD Order SWD-2580 will significantly improve the operational performance of Salt Creek AGI #2, Northwind requests approval of this Form C-108 injection permit amendment application to allow for the following specific changes in the well construction plan:

1. Approval of a new well casing and cementing program, which accommodates a deviated well construction plan and incorporates well design improvement through the utilization of additional sour-service grade materials and additional corrosion-resistant cement.

2. Approval to relocate the Salt Creek AGI #2 bottomhole location to access more well developed Siluro-Devonian porosity that exhibits better interconnectivity with porous zones. Investigation of the associated Area of Review has identified all wells penetrating the injection reservoir, all active operators and lessees, and all surface owners. All interested parties have been provided notice of the application and have been provided specific instruction regarding their ability to participate or request additional information

Following approval of the application for amendment of NMOCD Administrative Order SWD-2580, Northwind will file a Form C-101 Application for Permit to Drill to generate and assign an API number, which will ensure all records of are retained and easily identifiable in public well records.

## 2.0 INTRODUCTION AND REQUEST FOR AMENDMENT OF NMOCD ORDER SWD-2580

The completed New Mexico Oil Conservation Division (NMOCD) Form C-108 is included before the Table of Contents of this document and references appropriate sections where data required to be submitted are included.

In submitting this amendment application, Northwind requests approval to modify the current Salt Creek AGI #2 casing and cementing design, as well as the bottomhole location of the well. These modifications will allow Northwind to drill Salt Creek AGI #2 as a deviated well, in order to access an interval of better reservoir characteristics (i.e., porosity, permeability, and porosity interconnectivity) located approximately 1,400 feet southeast of the existing well location. The detailed analysis of 3D seismic survey data, following issuance of Administrative Order SWD-2580, has identified that the current vertical well bottomhole location exhibits limited porosity and porosity interconnectivity at the point of injection, and would likely not be capable of meeting the disposal needs of the Titan Treatment Facility. To ensure Salt Creek AGI #2 can operate within NMOCD-approved parameters, relocation of the bottomhole location is necessary.

In accessing the new bottomhole location, Northwind proposes to construct Salt Creek AGI #2 as a deviated well, rather than constructing a vertical well at a new surface location. A deviated well design is preferable as the current configuration of the Northwind Midstream Titan Treatment Facility has been designed to consolidate and isolate acid gas treatment and injection activities to the northwest margin of the facility property. Moving both the surface and bottomhole location of Salt Creek AGI #2 to a location 1,400 feet to the southwest would require surface transmission (via pipeline) of treated acid gas across facility operations areas and rural areas more commonly occupied by Northwind personnel, and thus, would present additional safety hazards and increased risk to operators and persons occupying the greater area. As such, Northwind seeks authorization to construct Salt Creek AGI #2 as a deviated well.

In accordance with discussions and guidance provided by NMOCD Underground Injection Control (UIC) personnel, this application has been developed as a request to amend New Mexico Oil Conservation Division Administrative Order SWD-2580, and includes specific application sections that only address the issues that are the subject of this request for amendment, as well as select additional critical application components, which relate to interested parties, evaluation of the area of review and identification of potentially interested parties, updates to the geologic simulation model and the completion of additional cases studies, and a re-evaluation of the induced-seismicity risk assessment of the project area. The information is presented in the following sections:

- A detailed summary of the AGI well permitting history, approval conditions, and a description of the Titan Treatment Facility, for which the Salt Creek AGI #2 well will service (Section 3.0)

- A detailed description of additional geologic analyses completed which have identified the need to relocate the bottomhole location of Salt Creek AGI #2 to ensure the well can adequately meet the disposal needs of Northwind

- An overview of proposed revisions to the Salt Creek AGI #2 casing and cementing programs, which will allow the Salt Creek AGI #2 well to be drilled as a deviated well, and includes specific design additions intended to enhance the physical protection of the AGI well and ensure long-term well integrity (Section 4.0)

- Updated geologic model, injection simulation, and induced-seismicity risk assessment, in accordance with updated geologic evaluation (Section 5.0)

- Re-evaluation of the Salt Creek AGI #2 Area of Review, modified to include the surface location and proposed new bottomhole location, and the identification of oil and gas wells, active operators, lessees, and surface owners within the area of review (Section 6.0)

In addition, this application includes the following supporting information:

- **Appendix A:** Preliminary directional drilling plan prepared in preparation for a revised well design and additional casing and tubing lengths

- **Appendix B:** Information on wells within one and two miles of the Salt Creek AGI #2 surface location and proposed new bottomhole location

- **Appendix C:** Summary of all interested parties identified and notified of Northwind's intent to submit a C-108 amendment application, copies of all notification letters, and associated proof of delivery documentation

## 3.0 SALT CREEK AGI #2 PERMITTING HISTORY AND DESCRIPTION OF THE TITAN TREATEMENT FACILITY

### 3.1 PERMITTING HISTORY AND AUTHORIZATION FOR INJECTION

Application to construct and operate the Salt Creek AGI #2 well was originally filed on October 14, 2022, by the former gas-processing plant operator of the Titan Treatment Facility (formerly known as the Ameredev South Plant). Once drilled and completed, Salt Creek AGI #2 will be the second AGI well at the facility and will ensure disposal and operational redundancy, in accordance with the requirements of NMOCC Order No. 20913-C. Following the original submittal of the application, the Titan Treatment Facility was acquired by Northwind Midstream Partners, LLC, and in accordance with NMOCD guidance, the application seeking authorization to inject was refiled under Northwind. Following technical and administrative review, the application was approved and NMOCD Administrative Order SWD-2580 was issued on January 24, 2024.

Through the issuance of NMOCD Order SWD-2580, Salt Creek AGI #2 was authorized to inject a mixed acid gas stream, consisting of $CO_2$ and $H_2S$, at a maximum daily injection rate of twelve (12) MMSCF and a maximum allowable operating pressure of 5,798 psig. Injection and disposal of TAG was approved for the interval of Siluro-Devonian geologic strata, specifically including the Devonian, Wristen, and Fusselman formations. The well was originally designed and approved as a vertical AGI well at surface geographic coordinates of 32.029128, -103.277598 (NAD83).

Following initial approval and authorization of the project by NMOCD, Northwind has continued in their analysis of the project area, in order to reduce risk and ensure that the Salt Creek AGI #2 well can adequately accommodate the anticipated disposal needs of the Titan Facility. As part of this continued analysis, Northwind has acquired and completed a detailed analysis of licensed seismic survey data, which forms that basis for their current request to deviate the Salt Creek AGI #2 well to a location approximately 1,400 feet to the southeast of the current surface hole location. This request is being made, as results of seismic data analysis indicate that, the current position for a vertical well completion will intersect intervals of poor porosity and porosity interconnectivity, which are interpreted to be insufficient for meeting the disposal needs of Northwind and local operators. Deviation of the well to the southeast will allow access to significantly improved intervals of porosity, permeability, and interconnected reservoir.

### 3.2 LOCATION OF THE TITAN TREATMENT FACILITY AND SALT CREEK AGI #2 WELL

Figure 1 shows the general location of the Salt Creek AGI #2 well, as well as the proposed new bottom-hole location, approximately 7.5 miles southwest of the City of Jal, in Lea County New Mexico. Figure 2 shows the location of the Titan Treatment Facility and approved Salt Creek AGI #2 well, in Section 21 of Township 26 South, Range 36 East. Acid gas treatment, compression, and injection operations are generally confined to the northwestern areas of the plant site, in order to isolate these process units, avoid significant surface transmission of TAG, and minimize the potential risk to personnel.

In evaluating options to accommodate a change in the Salt Creek AGI #2 bottomhole location, Northwind also considered the potential for drilling the well at a new surface location overlying the desired bottomhole location, however, this would require additional surface transmission (via pipeline) of treated acid gas through areas which are more frequently occupied by personnel and in closer proximity to 3rd-party operators in the area. As such, a deviated well construction plan was preferred, in order to avoid increased risk to personnel and the public.

The proposed new bottomhole location is approximately 1,400 feet southeast of the currently permitted Salt Creek AGI #2 location, at geographic coordinates of 32.025561, -103.275880 (NAD83). The new bottomhole location, and the path of the proposed deviated wellbore, all underly the existing Northwind property. As will be discussed in Section 6.0, Northwind Midstream has re-evaluated the new Salt Creek AGI #2 area of review to confirm identification of interested parties since the original application was made, and that no new wells penetrating the approved Siluro-Devonian injection reservoir within two (2) miles have been drilled. All interested parties identified have been provided additional notice of Northwind's request to change plans to a deviated Salt Creek AGI #2 well.

## 3.3 ADDITIONAL GEOLOGIC ANALYSIS AND THE NEED TO RELOCATE THE SALT CREEK AGI #2 BOTTOMHOLE LOCATION

As described previously, following resubmittal and subsequent approval of the Salt Creek AGI #2 C-108 application, Northwind has continued in their efforts to improve the analysis of subsurface geology in the area of the Titan Treatment Facility, as geologic data and offset well control are generally limited. As part of this analysis, Northwind acquired licensed 3D seismic survey, and retained Geolex, for the purposes of (1) improving the understanding of porosity development and distribution within the Siluro-Devonian reservoir, (2) confirming and refining structural interpretations and fault identification, and (3) improving the accuracy of injection operations forecasting (i.e., geo-modeling and injection simulation) and induced seismicity risk assessments.

In continuing their analysis of subsurface geology, Northwind has since acquired approximately 18 square miles of 3D seismic survey data. Analysis, interpretation, and reprocessing of these data form the basis in identifying the need to relocate the Salt Creek AGI #2 bottomhole location from its current location as a vertical well. Specifically, derivative information yielded from high resolution seismic trace inversion methods, have allowed Northwind to more accurately map porosity development within the Siluro-Devonian injection reservoir. Being sourced from 3D survey data, results of this analysis provide critical information regarding not only porosity development, but also the vertical and lateral continuity and interconnectivity of porous strata.

With respect to Salt Creek AGI #2, as originally permitted, seismic survey and trace inversion analysis have identified that, if drilled as a vertical well, the AGI #2 will intersect discrete areas of tight, low-porosity, and low-permeability strata of the Siluro-Devonian and will likely be unable to accommodate the anticipated disposal needs of the Titan Treatment Facility, as approved by NMOCD Order SWD-2580. While this interpretation has resulted in the identification of a need to relocate the Salt Creek AGI #2 bottomhole location, it is not entirely unexpected, as the nature of karst porosity development within the Siluro-Devonian (resulting from repeated subaerial exposure, weathering, and erosion events) can be highly variable, spatially. Well-developed and highly interconnected porosity anomalies can often be identified in very close proximity to tight, low-porosity areas, in which the point of injection within a well would be severely limited.

While the Siluro-Devonian injection reservoir underlying the current well location is interpreted to exhibit poor reservoir characteristics, the coverage area of acquired seismic survey data has provided Northwind the opportunity to identify a more suitable bottomhole location, in relatively close proximity to the current well location, which can reasonably be accessed by drilling Salt Creek AGI #2 as a deviated well, approximately 1,400 feet to the southeast. At this location, Siluro-Devonian porosity is significantly more well developed than at the currently permitted location. Most importantly, porosity present to the southeast is interpreted to be highly interconnected, vertically and laterally, to numerous other porosity anomalies across several sections in the greater project area.

In accordance with the results of seismic survey analysis, Northwind is requesting approval to construct Salt Creek AGI #2 as a deviated well to access significantly improved Siluro-Devonian reservoir characteristics to the southeast of the current well location. As will be discussed in Section 5.0, geo-modeling and simulation results, recently refined through the incorporation of seismic inversion analysis data and porosity mapping (i.e., impedance mapping), confirm the Siluro-Devonian reservoir's ability to accommodate the disposal needs of Northwind, as interpreted by seismic survey analysis and in accordance with approved operating parameters (i.e., daily volume and injection pressure limitation), as well as the ability to operate the AGI well without an increased risk for induced-seismic events.

## 4.0 PROPOSED REDESIGN AND BOTTOMHOLE RELOCATION OF SALT CREEK AGI #2

To accommodate a change in the Salt Creek AGI #2 bottomhole location, Northwind seeks approval to construct a deviated AGI well from the currently approved surface hole location to a bottomhole location approximately 1,400 feet to the southeast (see Figure 2). As such, revisions to the casing and cementing plan are necessary solely to accommodate the additional length of a deviated well. These proposed changes to the Salt Creek AGI #2 casing and cementing plan, are described in the following pages, as well as additional proposed design and cementing revisions intended to further protect Salt Creek AGI #2 from potentially corrosive conditions.

### 4.1 REDESIGN OF SALT CREEK AGI #2

The proposed AGI well redesign schematic is illustrated in Figure 3. Generally, modifications include revision of the casing and cementing plan to accommodate the additional length of a deviated wellbore design. The revised casing schedule and casing plan summarizing these changes are included in Table 1 and Table 2 below. In addition to these revisions, Northwind also requests approval to amend the injection tubing to reflect the use of SS95 (sour service grade) and to the addition of acid-resistant resin cement over the interval of the Bell Canyon Formation and Cherry Canyon Formation, to further protect the Salt Creek AGI #2 well from injection activities occurring in the Salt Creek AGI #3 Delaware Mountain Group disposal zone. These changes, as described above, will adequately accommodate a deviated wellbore design, and will provide the Salt Creek AGI #2 well with additional protection from potentially corrosive conditions.

Table 1. Revised casing schedule proposed for Salt Creek AGI #2

| Casing | Hole Size (in.) | Csg. Size (in.) | Pound per foot | Grade | Thread | Top (ft. MD) | Base (ft. MD) | Length (ft. MD) |
|---|---|---|---|---|---|---|---|---|
| Conductor | - | 30 | - | - | - | 0 | 120 | 120 |
| Surface | 26 | 24 | 186.4 | X-65 | XLF | 0 | 2080 | 2080 |
| 1st Int. | 22 | 20 | 133 | J55 | BTC | 0 | 1922 | 1922 |
| 1st Int. | 22 | 20 | 133 | P110 | Liberty LD | 1922 | 3700 | 1778 |
| 2nd Int. | 17.5 | 13.625 | 88.2 | Q125HC | BTC | 0 | 5325 | 5325 |
| 3rd Int. | 12.25 | 9.625 | 47 | L80HC | BTC | 0 | 9368 | 9368 |
| 3rd Int. | 12.25 | 9.625 | 47 | P110 | BTC | 9368 | 11928 | 2560 |
| Production | 8.5 | 7 | 32 | P110EC | Premium | 0 | 17341 | 17341 |
| Production | 8.5 | 7 | 32 | G3 | Premium | 17341 | 17641 | 300 |
| Tubing | | 3.5 | 10.2 | SS95 | Premium | 0 | 17341 | 17341 |
| Tubing | | 3.5 | 10.2 | G3 | Premium | 17341 | 17641 | 300 |

Table 2. Revised cementing plan proposed for Salt Creek AGI #2

| Casing String | Stage # | Cement Type | # Sacks | Density (ppg) | Coverage Interval (MD) |
|---|---|---|---|---|---|
| Conductor | 1 | Redimix | - | - | 0-120’ |
| Surface | 1 | Lead: ExtendaCem<br>Tail: HalCem | Lead: 1165<br>Tail: 335 | Lead: 13.5<br>Tail: 14.8 | 0-2080’ |
| 1st Intermediate | 1 | Lead: EconoCem HLC<br>Tail: HalCem C | Lead: 1110<br>Tail: 320 | Lead: 12.9<br>Tail: 14.8 | 0-3700’ |
| 2nd Intermediate | 1 | Lead: EconoCem<br>Tail: HalCem | Lead: 600<br>Tail: 375 | Lead: 12.5<br>Tail: 14.8 | 0-5325’ |
| 2nd Intermediate | 2 | Lead: NeoCem<br>Tail: HalCem | Lead: 604 bbl<br>Tail: 100 | Lead: 11.0<br>Tail: 14.8 | 0-5325’ |
| 3rd Intermediate | 1 | NeoCem<br>NeoCem | 313 bbls<br>38.2 bbls | 11.0<br>13.2 | 0-11928’ |
| 3rd Intermediate | 2 | WellLock Resin | 80.3 bbls | 12.0 | 0-11928’ |
| 3rd Intermediate | 3 | Lead: NeoCem<br>Tail: NeoCem | Lead: 317 bbl<br>Tail: 25.5 bbl | Lead: 11.0<br>Tail: 13.2 | 0-11928’ |
| Production | 1 | WellLock Resin | 80.3 bbls | 12.0 | 17341-17641 |
| Production | 2 | NeoCem | 436.5 bbls | 13.2 | 0-17341’ |

As shown in Figure 3 and summarized in Tables 1 and 2, modification of the Salt Creek AGI #2 casing plan is limited only to the addition of additional tubular footage, cement, and additional material and cement changes intended to improve the physical protection of the Salt Creek AGI #2 well. All other critical AGI well design considerations, including the utilization of corrosion-resistant alloy (CRA) materials and acid-resistant cement in the production casing, as well as all down-hole well components, remains unchanged.

In constructing the Salt Creek AGI #2 well, as a deviated well, Northwind will ensure all appropriate actions are taken to ensure offset well activities are adequately characterized and identified. Appendix 1 includes a preliminary directional plan for the Salt Creek AGI #2 well, and all necessary anti-collision assessments will be completed prior to the commencement of drilling operations for the Salt Creek AGI #2 well.

The proposed changes in well design (described above) will allow Northwind to drill and complete the Salt Creek AGI #2 well as a deviated well accessing a new bottomhole location, and will include specific design improvements, in the form of additional acid-resistant cement and sour-service injection tubulars, which will provide significant additional protection in the event corrosive conditions develop in the well, or along the shallow depth intervals of the Salt Creek AGI #3 disposal zone. In additional to approval to deviate the Salt Creek AGI #2 to a new bottomhole location, Northwind requests approval to amend the casing and cementing plan as described in this section.

## 5.0 UPDATED GEOLOGIC MODELING, SIMULATION, AND INDUCED SEISMICITY RISK ASSESSMENT

In preparing this application, which requests approval to amend the Salt Creek AGI #2 well bottomhole location and construct the well as a deviated well, Northwind has recompleted reservoir geo-modeling, injection simulation, and induced seismicity evaluation assessments, in accordance with the updated and on-going evaluation of local geology. These updates are described in the following pages and confirm the Siluro-Devonian reservoir's suitability for the approved Salt Creek AGI #2 well operations at a new bottomhole location.

### 5.1 ACID GAS INJECTION MODELING

To simulate the proposed injection scenario and characterize the resultant acid gas injection plume after 30 years of operation at the maximum anticipated daily injection rate (12 MMSCFD), Geolex collaborated with Sproule to complete a detailed reservoir injection simulation, informed and developed incorporating the recently acquired seismic survey data and resultant mapped porosity attributes. This modeling evaluation was completed utilizing Schlumberger Petrel to construct a geologic simulation grid informed by available well log data and mapped seismic impedance attributes. Schlumberger's Eclipse platform was then utilized to conduct injection simulations representative of the proposed injection scenario previously approved for the Salt Creek AGI #2 well.

The geologic simulation grid constructed as the environment, in which the proposed injection scenario was simulated, is comprised of 161 simulation layers characterizing nine (9) distinct intervals identified within the Siluro-Devonian reservoir. The simulation model includes nearby subsurface fault features. There are no active injection wells within this area and although there has been saltwater disposal well applications submitted, none have been identified and confirmed to have been authorized. In total, the simulation grid contains 3,395,651 cells.

Porosity and permeability characteristics within the simulation environment were identified utilizing available well-log data and reservoir characteristics identified during previous evaluation of the project area. While seismic data were utilized to generate relative acoustic impedance maps (i.e., porosity mapping), porosity and permeability characteristics were limited to measurements observable in well log, well testing, and subsurface data. Geo-model porosity and permeability distributions are shown in Figure 4.

Following construction of the model simulation grid, the proposed injection scenario was simulated utilizing the Schlumberger Eclipse simulation platform. Specific scenarios simulated include operation of the proposed AGI #2 well at the maximum anticipated rate of 12 MMSCFD for a period of 30 years, with simulation cases considering faults in the area as features both transmissive and non-transmissive (i.e., sealed) of fluids.

Figure 5 illustrates faults identified in the area of Salt Creek AGI #2, identified through analysis of seismic survey data, and Figures 6 and 7 illustrate the results of injection simulation case studies (transmissive and non-transmissive faults, respectively). After 30 years of injection at the maximum rate of 12 MMSCF per day, the resultant acid gas plume is anticipated to occupy an area of approximately 2,050 to 2,084 acres with an approximately long-axis diameter of two (2) miles from the proposed new bottomhole location. Comparison of the resultant AGI plume to active, plugged, and proposed new wells indicates that the plume is not anticipated to reach any wells that penetrate the Siluro-Devonian injection interval.

## 5.1 INDUCED SEISMICITY RISK ASSESSMENT UPDATES

In support of this request to amend NMOCD Order SWD-2580, and in accordance with recent and on-going geologic analysis, we present updates to the Salt Creek AGI #2 induced seismicity risk assessment. This evaluation now incorporates additional subsurface characterization resulting from the detailed analysis of 3D seismic survey data acquired by Northwind.

To evaluate the potential for seismic events in response to injected fluids, an induced seismicity risk assessment was conducted in the area of the permitted Salt Creek AGI #2. This assessment models the impact of four distal injection wells over a 30-year period and estimates the combined fault slip probability associated with the simulated injection scenario. The analysis was completed utilizing the Stanford Center for Induced and Triggered Seismicity's (SCITS) Fault Slip Potential (FSP) modeling platform.

Based on the detailed review of seismic survey data, Geolex identified 13 faults, located within approximately three (3) miles of the approved Salt Creek AGI #2 well and generally striking north to south and west-southwest to east-northeast (Figure 5). These features, relative to other active and proposed injection wells in the area, are separated by significant distances and are not anticipated to be susceptible to injection-induced slip. To verify these structures would not be affected by operation of the Salt Creek AGI #2, as approved, a model simulation was performed.

To calculate the fault slip probability for this injection scenario, input parameters characterizing the local stress field, reservoir characteristics, subsurface features, and injected fluids are required. Updated parameters and their sources for this study are included in Table 3. Additionally, Table 4 details the injection volume characteristics and locations of the disposal wells modeled in this scenario.

For this study, limitations of the FSP model required a conservative approach be taken in determining the fault slip probability of the injection scenario. Specifically, the FSP model is only capable of considering a single set of fluid characteristics and this study aims to model an injection scenario that includes saltwater disposal (SWD) and acid gas injection systems. To ensure a conservative estimate of risk, the approved Salt Creek AGI #2 well was modeled utilizing the fluid characteristics of an SWD well. This approach yields a more conservative model prediction as water displays greater density, dynamic viscosity, and is significantly less compressible than acid gas.

Generally, faults considered in this assessment are predicted by the FSP model to have no potential for injection-induced slip and the Salt Creek AGI #2 well is not predicted by the FSP model to contribute significantly to the total resultant pressure front. All faults within the modeled study area show no increase in slip probability throughout the 30-year modeled scenario (Figures 8 and 9). Table 5 summarizes the predicted pressure change along each fault and includes the model-derived pressure conditions necessary to induce slip for each feature. Modeled pressure increases along faults after 30 years fall far short of the required pressure to induce slip.

Table 3. Input parameters and source material for 2024 revised FSP simulations

| Modeled Parameter | Input Value | Variability (+/-) | UOM | Source |
|---|---|---|---|---|
| *Stress* | | | | |
| Vertical Stress Gradient | 1.05 | 0.105 | psi $ft^{-1}$ | Nearby well estimate |
| Max Horizontal Stress Direction | N75E | 5 | Deg. | Lund Snee & Zoback, 2018 |
| Reference Depth | 17,600 | | ft | Nearby well evaluation |
| Initial Res. Pressure Gradient | 0.43 | 0.043 | psi $ft^{-1}$ | Lund Snee & Zoback, 2018 |
| $A_\Phi$ Parameter | 0.6 | 0.06 | - | Lund Snee & Zoback, 2018 |
| Reference Friction Coefficient (μ) | 0.6 | 0.06 | - | Standard Value |
| *Hydrologic* | | | | |
| Aquifer Thickness | 500 | 100 | ft | Nearby well evaluation |
| Porosity | 3 | 0.32 | % | Nearby well evaluation |
| Permeability | 10 | 1 | mD | Nearby well evaluation |
| *Material properties* | | | | |
| Density (Water) | 1040 | 20 | kg $m^{-3}$ | Standard Value |
| Dynamic Viscosity (Water) | 0.0008 | 0.0001 | Pa.s | Standard Value |
| Fluid Compressibility (water) | $3.6 \times 10^{-10}$ | 0 | $Pa^{-1}$ | Standard Value |
| Rock Compressibility | $1.08 \times 10^{-9}$ | 0 | $Pa^{-1}$ | Standard Value |
| *Acid gas @ 236 °F, 7,837 psi* | | | | |
| Density | 818.18 | - | kg $m^{-3}$ | AQUAlibrium™ |
| Dynamic Viscosity | 0.0000806 | - | Pa.s | AQUAlibrium™ |

Table 4. Location and characteristics of injection wells modeled in FSP assessment

| # | API | Well Name | Latitude | Longitude | Volume (bbls/day) | Start (year) | End (year) |
|---|---|---|---|---|---|---|---|
| 1 | 30-025-43360 | Kimberly SWD #001 | 32.08353 | -103.194274 | 20,000 | 2019 | 2054 |
| 2 | 30-025-49974 | Independence Fee AGI #2 | 32.120062 | -103.291025 | 4,265 | 2023 | 2054 |
| 3 | 30-025-48081 | Independence AGI #001 | 32.120835 | -103.291025 | 4,265 | 2021 | 2054 |
| 4 | TBD | Salt Creek AGI #2 | 32.028828 | -103.277809 | 4,917 | 2024 | 2054 |

Daily maximum injection volumes utilized in the FSP model range from 4,265 to 20,000 barrels (bbls) per day (Table 4). The approved Salt Creek AGI #2 well and additional nearby wells were simulated for a 30-year operating period, as well as history matched for a period of one to five years to ensure the simulated results also considered the historical impact of injection wells that have been operating prior to the approval of Salt Creek AGI #2. Figure 8 illustrates the model-predicted pressure front, single well radial solutions, and the predicted pressure change at fault midpoints and Figure 9 shows the model-predicted fault slip potential throughout the simulation period. All wells included in simulation are

assumed to inject at their maximum daily capacity, in order to yield a more conservative model prediction that ensures the impact of the Salt Creek AGI #2 well will not pose an increased risk of induced seismicity. The predicted pressure change along each fault segment, model-derived pressure change required to induce slip, and the model-predicted fault slip probability are included in Table 5 below.

Table 5. Summary of model-simulation results showing the required pressure change to induce fault slip, actual pressure change as predicted by the FSP model, and probability of slip at the end of the 30-year injection scenario.

| Fault # | Δ Pressure necessary to induce fault slip | Actual Δ Pressure at fault midpoint at year 2055 | Fault Slip Potential at year 2055 |
|---|---|---|---|
| 1 | 1394 | 73 | 0.0 |
| 2 | 1,177 | 88 | 0.0 |
| 3 | 1,597 | 130 | 0.0 |
| 4 | 1,560 | 161 | 0.0 |
| 5 | 6,088 | 53 | 0.0 |
| 6 | 7,145 | 67 | 0.0 |
| 7 | 6,917 | 80 | 0.0 |
| 8 | 1,540 | 183 | 0.0 |
| 9 | 1,238 | 135 | 0.0 |
| 10 | 1,114 | 120 | 0.0 |
| 11 | 3,915 | 114 | 0.0 |
| 12 | 5,814 | 122 | 0.0 |
| 13 | 4,965 | 165 | 0.0 |
| 14 | 2.125 | 174 | 0.0 |
| 15 | 3,719 | 190 | 0.0 |
| 16 | 1,463 | 162 | 0.0 |
| 17 | 1,596 | 146 | 0.0 |
| 18 | 6,474 | 183 | 0.0 |
| 19 | 1,829 | 197 | 0.0 |
| 20 | 1,497 | 207 | 0.0 |
| 21 | 1,127 | 100 | 0.0 |
| 22 | 6,065 | 101 | 0.0 |
| 23 | 6,136 | 92 | 0.0 |
| 24 | 4,542 | 85 | 0.0 |

In summary, no structures included in the modeled simulations are expected to experience any significant increase in slip potential, as a result of Salt Creek AGI #2 injection at a new bottomhole location. Modeled pressure increases along faults fall significantly short of the required pressure increase to induce slip and radial pressure solutions calculated for each simulated injection well illustrates that the operation of Salt Creek AGI #2, as proposed, will have little impact on conditions near faults in the area.

## 6.0 RE-EVALUATION OF THE SALT CREEK AGI #2 AREA OF REVIEW

As Northwind Midstream's request to modify the design of Salt Creek AGI #2 and construct a deviated well targeting a new bottomhole location reflects a significant change of plans to the AGI well project, re-evaluation of the Salt Creek AGI #2 area of review was completed. This review is necessary to ensure all oil and gas operators and all interested parties have been identified and provided notice of Northwind's request, as well as complete copies of this application. Furthermore, re-evaluation of the Salt Creek AGI #2 area of review, modified to encompass the surface and proposed bottomhole locations is necessary to confirm that no new wells penetrating the injection reservoir have been drilled.

### 6.1 OIL AND GAS WELLS IN THE SALT CREEK AGI #2 AREA OF REVIEW AND VICINITY

Appendix B summarizes all NMOCD recorded wells within a one- and two-mile radius of the Salt Creek AGI #2 surface location and proposed new bottomhole location. The location of these wells is illustrated in Figures 10 and 11, and include active, plugged, and permitted well locations. The Texas Railroad Commission record of wells identified eight (8) additional wells that fall within the two-mile radius of the proposed Salt Creek AGI #2 bottomhole location and have been included in the tabulation of wells in Appendix B.

In total, there are 173 wells within the two-mile Salt Creek AGI #2 area of review. Of these wells 27 are active, 69 are permitted, and 77 are plugged. Within the one-mile area of review, there are 84 wells, of which 23 are active, 36 are permitted, and 25 are plugged. Active oil and gas wells primarily target shallow depth producing intervals of the Tansill-Yates-7Rivers, as well as from horizontal plays within the Bone Spring and Wolfcamp formations. Maps of all wells within the one- and two-mile areas of review are shown in Figures 10 and 11 and a tabulated summary of all wells within two miles is included in Appendix B.

Within one-mile of the Salt Creek AGI #2 area of review, there are no wells that penetrate the approved Siluro-Devonian injection interval. Within two miles, four plugged wells penetrate the injection interval, which were previously identified in the original C-108 application. Since the original application approval and issuance of Order SWD-2580, no new wells have been drilled or approved that will penetrated the Salt Creek AGI #2 injection zone. Table 6 below summarizes the four wells previously identified and for which relevant plugging documentation has been previously provided.

Table 6. Summary of plugged wells previously identified that penetrate the Siluro-Devonian injection zone within two miles but are located greater than one miles from Salt Creek AGI #2.

| API | Well Name | Pool | Status | Lat. (NAD83) | Long. (NAD83) | Total Depth (ft) | Mi. from AGI |
|---|---|---|---|---|---|---|---|
| 3002523197 | South Lea Federal #1 | Strawn | Plugged | 32.0415 | -103.2892 | 21252 | 1.10 |
| 3002526557 | Pawnee Deep Unit #1 | Strawn, B. Spring | Plugged | 32.0315 | -103.2541 | 18577 | 1.40 |
| 3002525354 | Horse Back #1 | Bone Spring | Plugged | 32.0031 | -103.2679 | 21750 | 1.87 |
| 3002524719 | Dogie Draw FED #1 | Bone Spring | Plugged | 32.0560 | -103.2850 | 20971 | 1.92 |

### 6.2 IDENTIFICATION AND REQUIRED NOTIFICATION OF OPERATORS, LESSEES, AND SURFACE OWNERS WITHIN THE AREA OF REVIEW

As part of this amendment application, a detailed review of land records was completed to obtain a list of all operators, oil and gas lessees, and surface owners within a one-mile radius of the proposed Salt Creek AGI #2 well and proposed new bottomhole location. In this review no new interested parties have been identified since the original application submittal and NMOCD approval, with the exception of Hydrosource Logistics. As part of this amendment application process, all identified parties have been

provided with notice of the proposed change in plans and Northwind's request to amend NMOCD Order SWD-2580 and all have been provided complete copies of this amendment application.

Figures 12 and 13 illustrate the location of interested parties, including surface owners, active operators, lessees, and mineral ownership within the Salt Creek AGI #2 amended area of review. Additionally, Appendix C includes a summary of all interested parties within the area of review, contact information for persons notified and provided complete copies of the C-108 amendment application, copies of signed notice letters that were issued, and all relevant proof of delivery documentation.

At the time of this request, no interested parties have protested the amendment application or requested additional information regarding Northwind's intent to drill the Salt Creek AGI #2 well as a deviated well.

## 7.0 NORTHWIND'S REQUEST OF THE NMOCD

The proposed modifications to NMOCD Administrative Order SWD-2580, which will allow Northwind to construct the Salt Creek AGI #2 well as a deviated well targeting a new bottomhole location, will significantly improve Northwind Midstream's ability to drill an AGI well capable of meeting the disposal needs of the Titan Treatment Facility. As such, Northwind requests administrative approval of this Form C-108 injection permit amendment application, to allow them to move forward with the specific changes in the well construction plan described in this application. In summary, these changes generally include the following:

1. Approval of a new well construction, casing, and cementing program, which incorporates additional materials and drilling of the Salt Creek AGI #2 as a deviated well. In addition to those changes required to drill a deviated well, Northwind proposes the use of additional corrosion-resistant resin cement, across shallow AGI injection zones, and sour-service grade injection tubing, to provide additional protection to Salt Creek AGI #2 from potentially corrosive conditions.

2. Approval to relocate the Salt Creek AGI #2 bottomhole location approximately 1,400 feet southwest of the current permitted location. Investigation of the associated Area of Review has identified all wells penetrating the injection reservoir, all active operators and lessees, and all surface owners. All interested parties have been provided with notice of the application and completed copies of this Form C-108 amendment application.

Following approval of the application for amendment of NMOCD Order SWD-2580, Northwind Midstream will file a new Form C-101 Application for Permit to Drill to have a new well API number assigned, which will ensure all records of the original plugged wellbore are retained and easily identifiable in public well records.

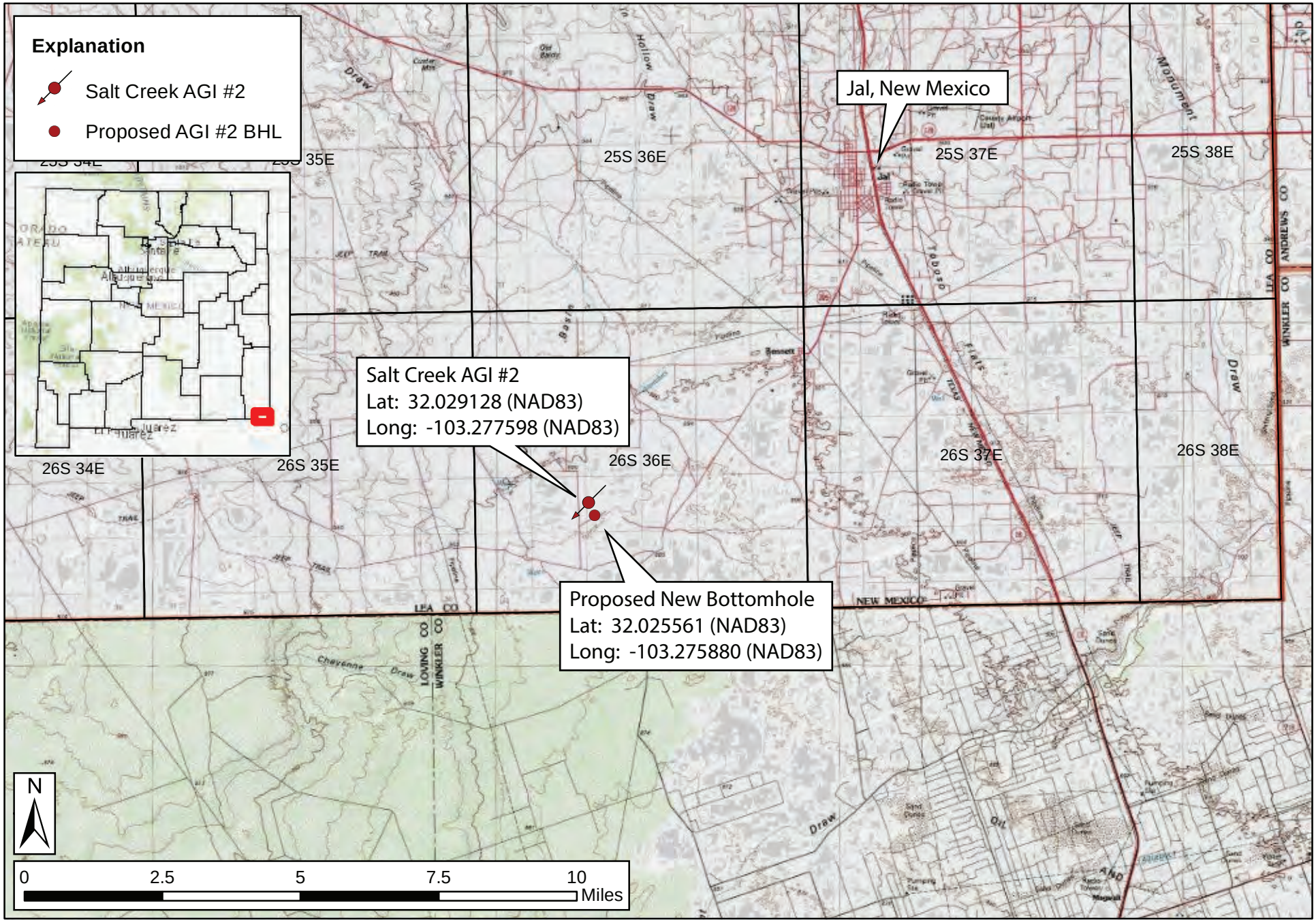



Figure 1. General location map for Salt Creek AGI #2 permitted surface hole location and proposed new bottomhole location, approximately 7.5 southwest of Jal, NM

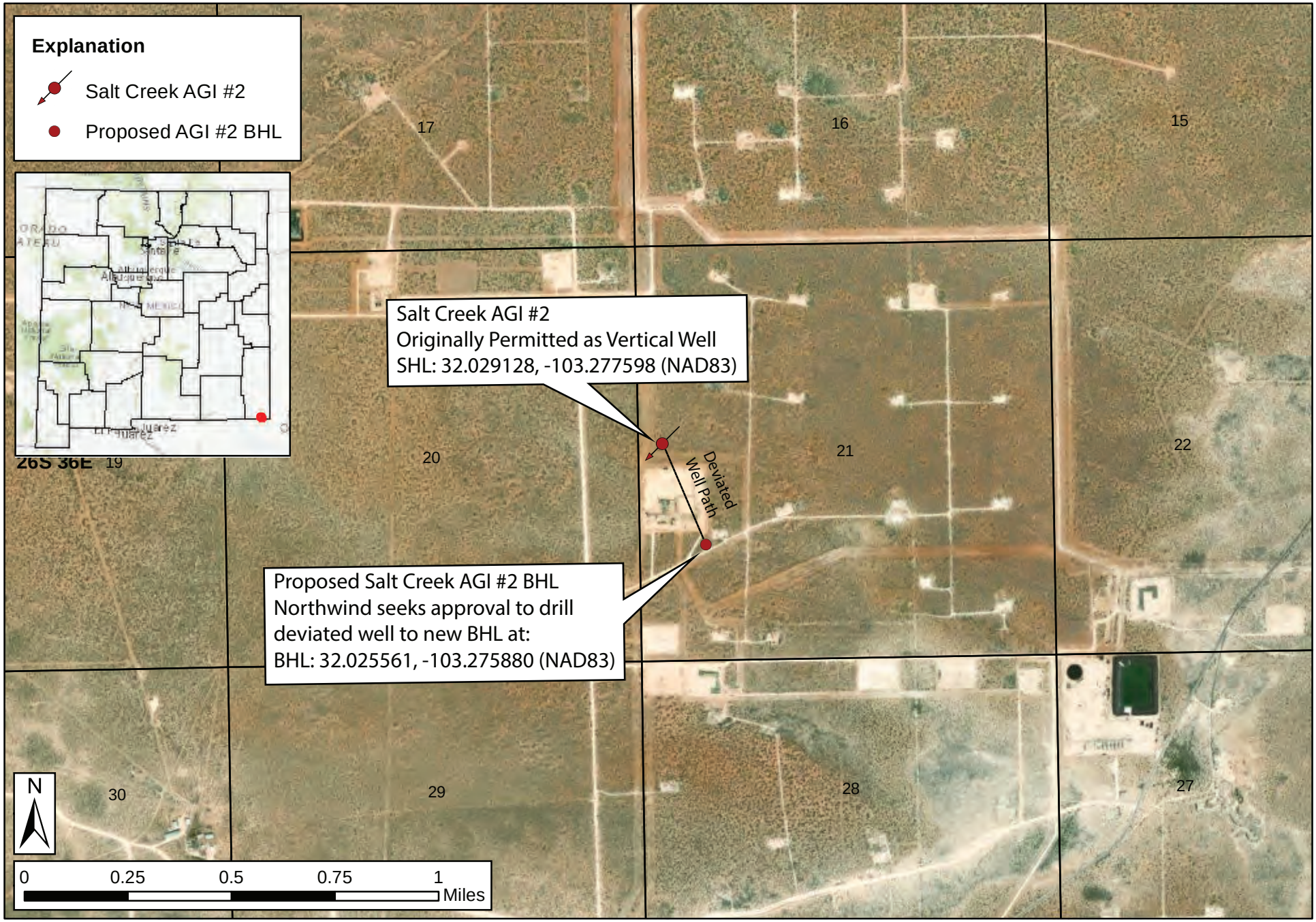


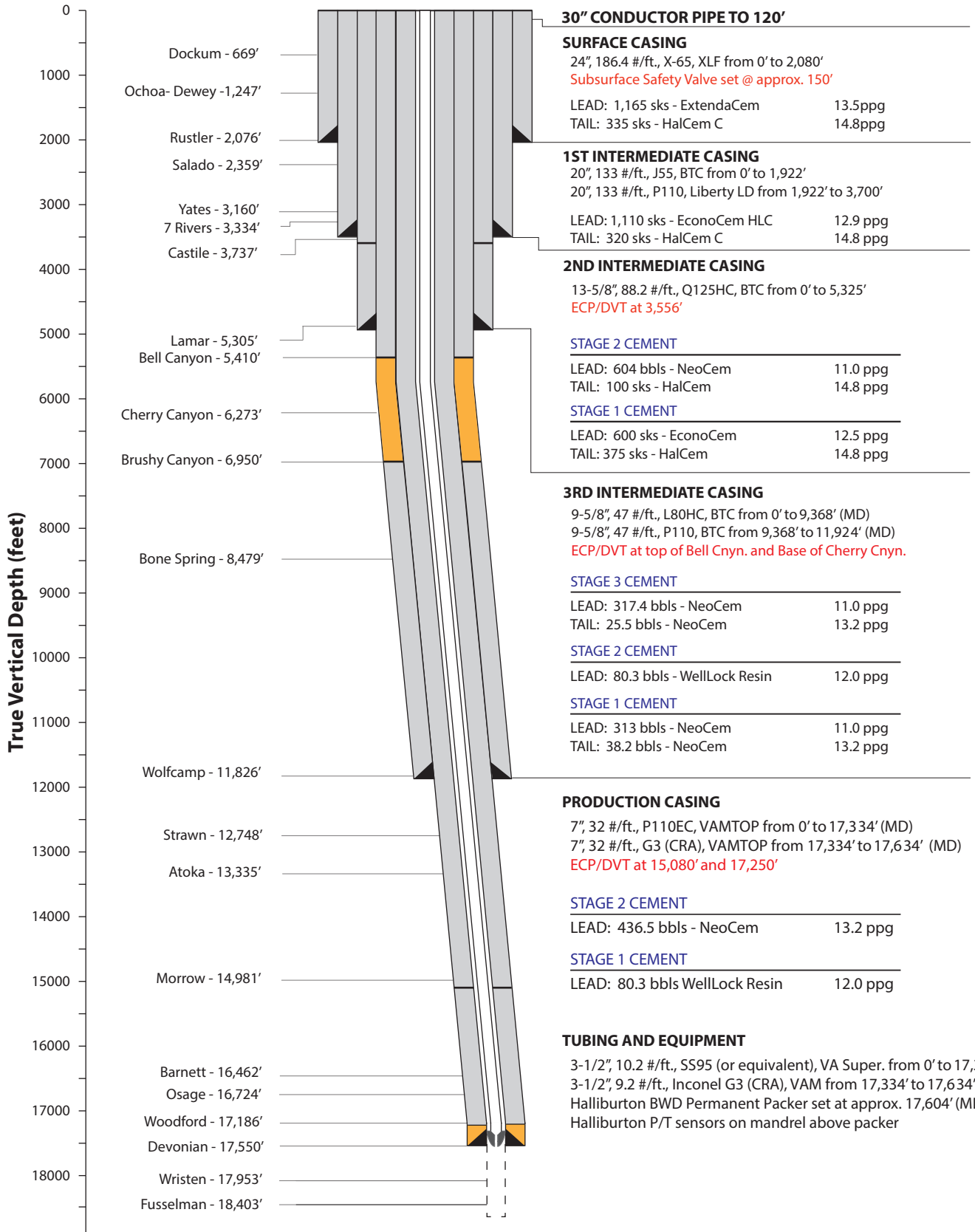

Figure 2. Aerial photographic location map showing Northwind facility, original AGI #2 vertical well location, and proposed bottomhole for drilling Salt Creek AGI 2 as a deviated well.

NORTHWIND MIDSTREAM

# REVISED DEVIATED WELL SCHEMATIC
# SALT CREEK AGI #2 (S21, T26S, R36E)



GEOLEX INCORPORATED




**30" CONDUCTOR PIPE TO 120'**

**SURFACE CASING**
24", 186.4 #/ft., X-65, XLF from 0' to 2,080'
Subsurface Safety Valve set @ approx. 150'

| | |
|---|---|
| LEAD: 1,165 sks - ExtendaCem | 13.5ppg |
| TAIL: 335 sks - HalCem C | 14.8ppg |

**1ST INTERMEDIATE CASING**
20", 133 #/ft., J55, BTC from 0' to 1,922'
20", 133 #/ft., P110, Liberty LD from 1,922' to 3,700'

| | |
|---|---|
| LEAD: 1,110 sks - EconoCem HLC | 12.9 ppg |
| TAIL: 320 sks - HalCem C | 14.8 ppg |

**2ND INTERMEDIATE CASING**
13-5/8", 88.2 #/ft., Q125HC, BTC from 0' to 5,325'
ECP/DVT at 3,556'

STAGE 2 CEMENT

| | |
|---|---|
| LEAD: 604 bbls - NeoCem | 11.0 ppg |
| TAIL: 100 sks - HalCem | 14.8 ppg |

STAGE 1 CEMENT

| | |
|---|---|
| LEAD: 600 sks - EconoCem | 12.5 ppg |
| TAIL: 375 sks - HalCem | 14.8 ppg |

**3RD INTERMEDIATE CASING**
9-5/8", 47 #/ft., L80HC, BTC from 0' to 9,368' (MD)
9-5/8", 47 #/ft., P110, BTC from 9,368' to 11,924' (MD)
ECP/DVT at top of Bell Cnyn. and Base of Cherry Cnyn.

STAGE 3 CEMENT

| | |
|---|---|
| LEAD: 317.4 bbls - NeoCem | 11.0 ppg |
| TAIL: 25.5 bbls - NeoCem | 13.2 ppg |

STAGE 2 CEMENT

| | |
|---|---|
| LEAD: 80.3 bbls - WellLock Resin | 12.0 ppg |

STAGE 1 CEMENT

| | |
|---|---|
| LEAD: 313 bbls - NeoCem | 11.0 ppg |
| TAIL: 38.2 bbls - NeoCem | 13.2 ppg |

**PRODUCTION CASING**
7", 32 #/ft., P110EC, VAMTOP from 0' to 17,334' (MD)
7", 32 #/ft., G3 (CRA), VAMTOP from 17,334' to 17,634' (MD)
ECP/DVT at 15,080' and 17,250'

STAGE 2 CEMENT

| | |
|---|---|
| LEAD: 436.5 bbls - NeoCem | 13.2 ppg |

STAGE 1 CEMENT

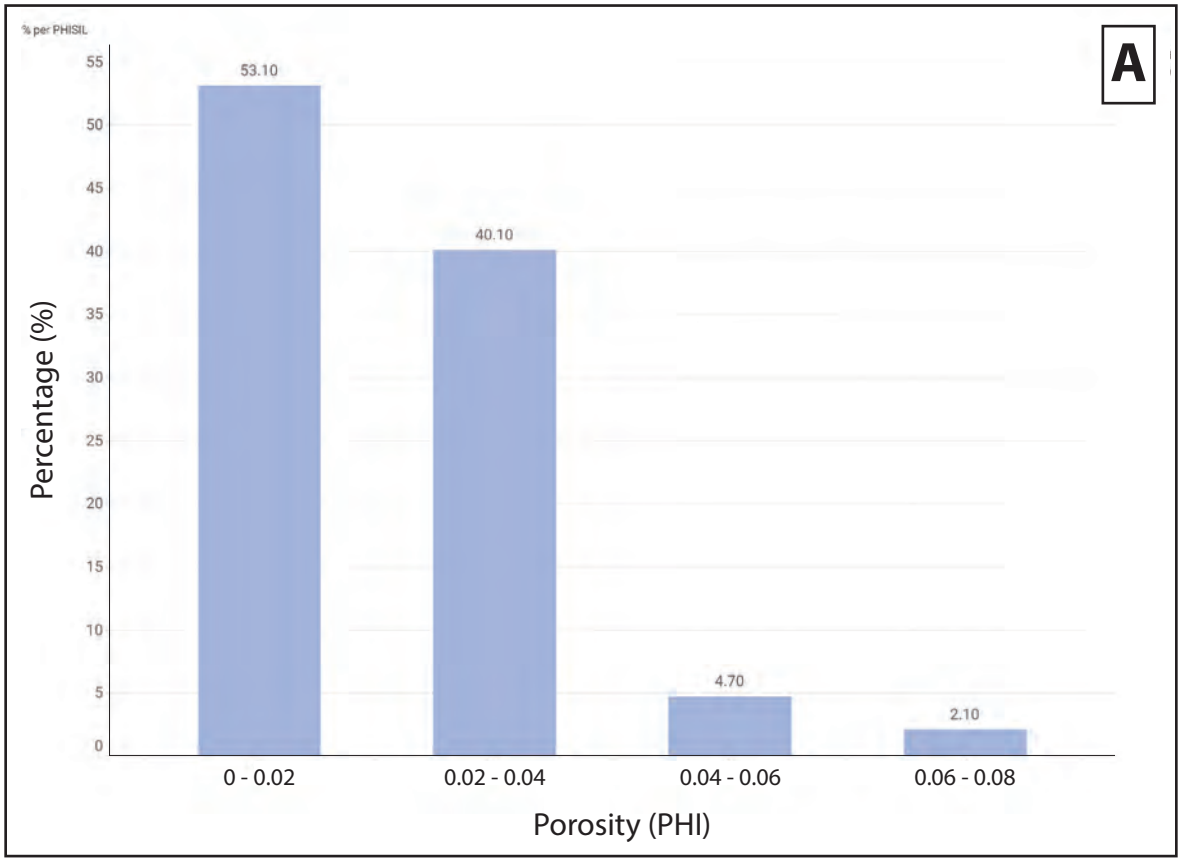
| | |
|---|---|
| LEAD: 80.3 bbls WellLock Resin | 12.0 ppg |

**TUBING AND EQUIPMENT**
3-1/2", 10.2 #/ft., SS95 (or equivalent), VA Super. from 0' to 17,334' (MD)
3-1/2", 9.2 #/ft., Inconel G3 (CRA), VAM from 17,334' to 17,634' (MD)
Halliburton BWD Permanent Packer set at approx. 17,604' (MD)
Halliburton P/T sensors on mandrel above packer

All depths are approximate and subject to change based on drilling and geology encountered

Revision 5/30/2024

Figure 3. Revised well schematic proposed to accommodate a deviated well design and including the utilization of additional acid resistant cement, as well as sour-service tubulars



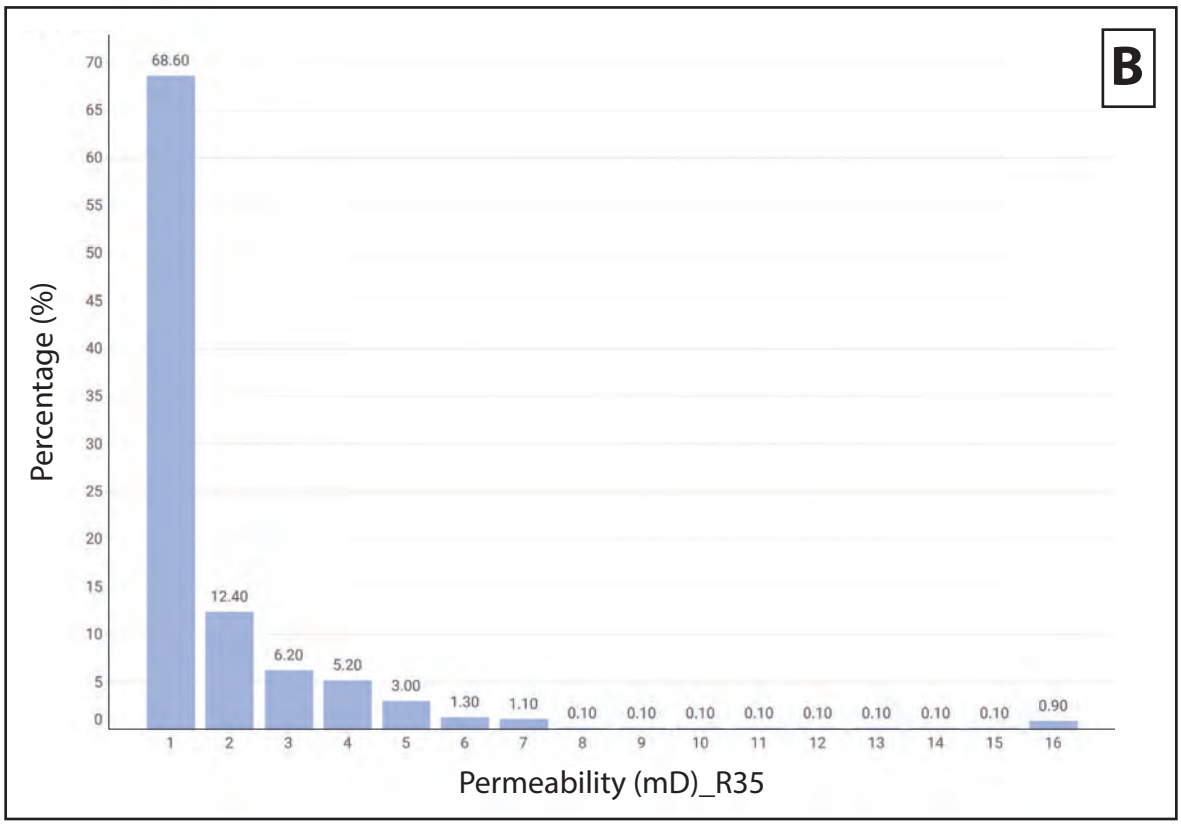




**Figure 4.** Petrel geomodel porosity (Panel A) and permeability (Panel B) distributions, generated from available offset well data and impedance distribution.

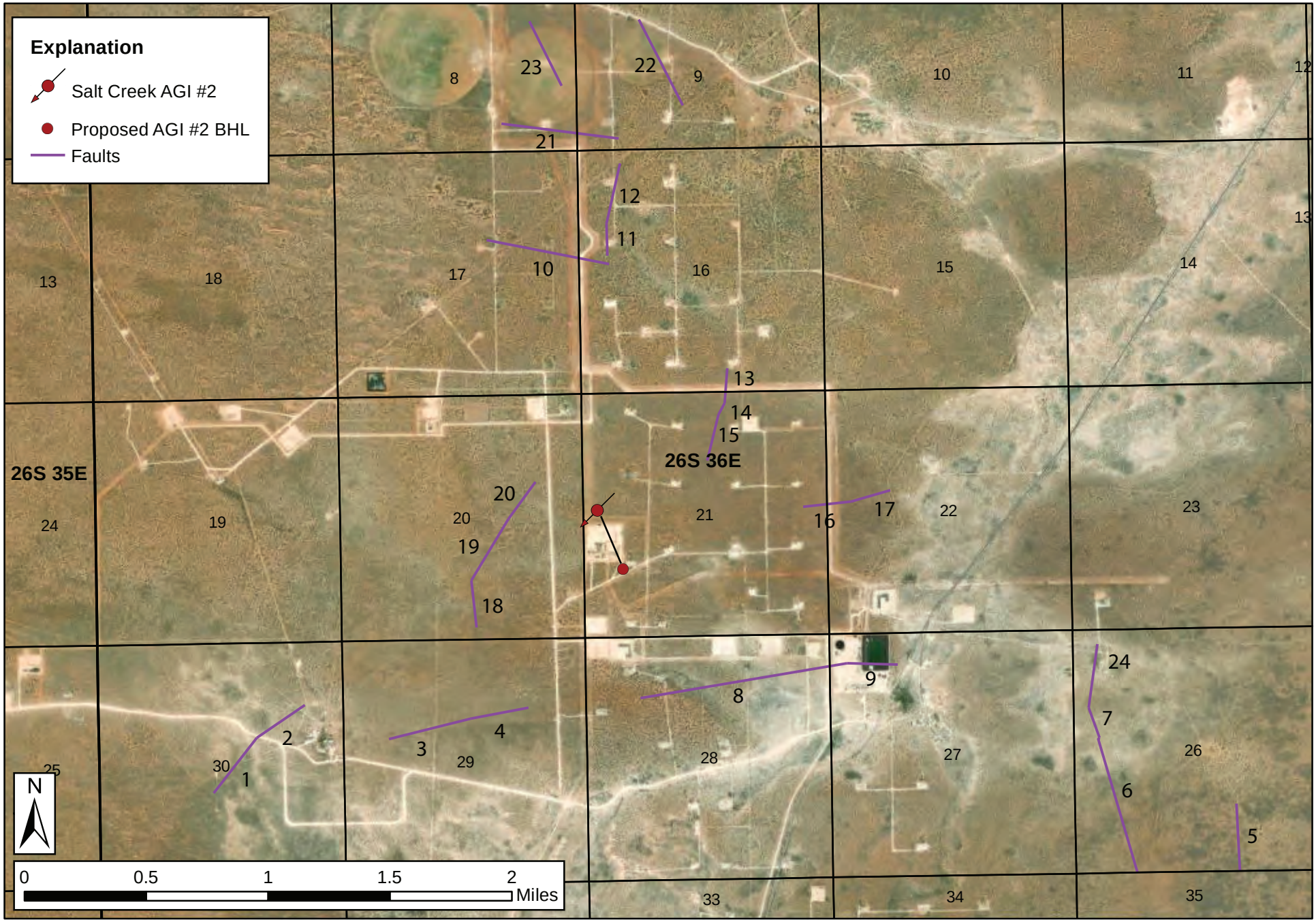
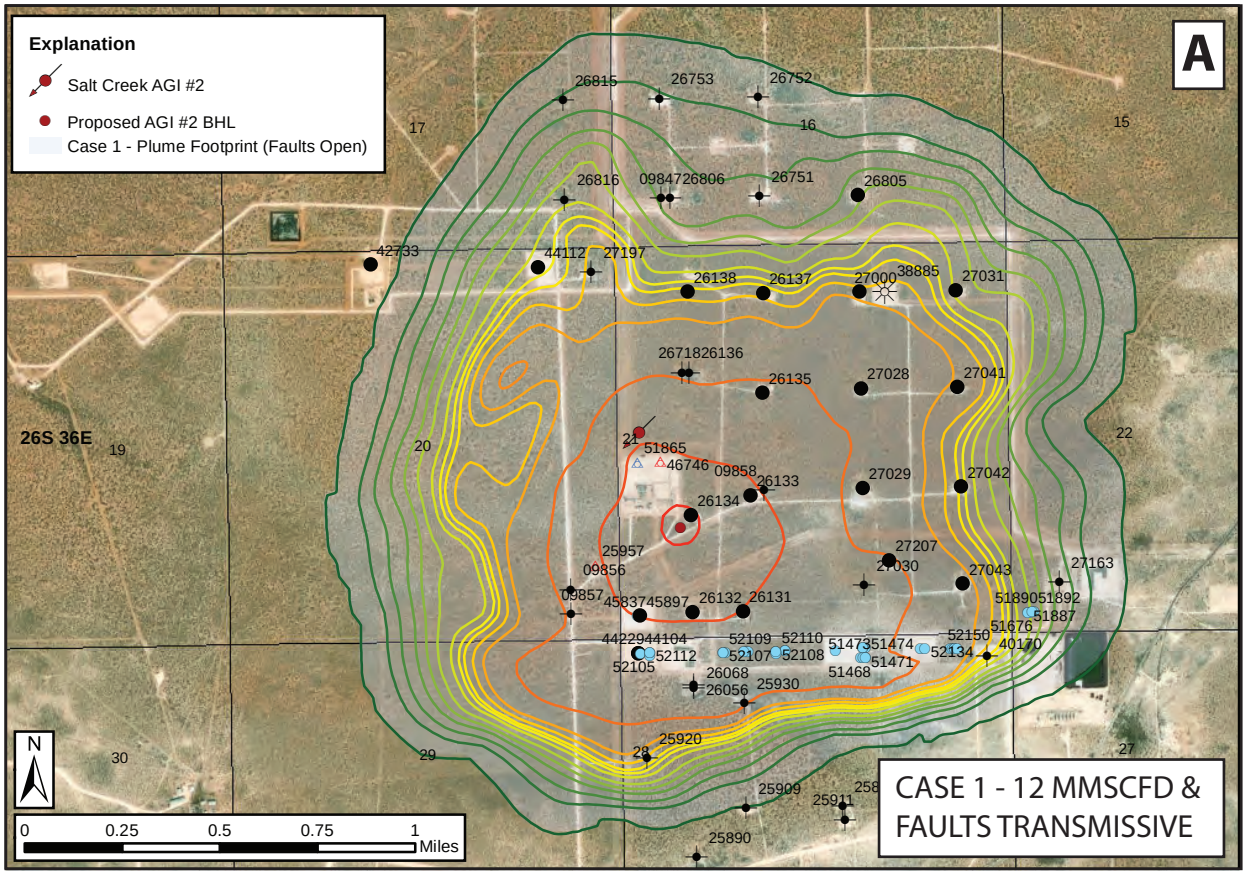



Figure 5. Subsurface fault features interpreted from seismic survey data and in the vicinity of Salt Creek AGI #2. Fault segments are annotated for reference in FSP simulation results regarding induced seismicity risk



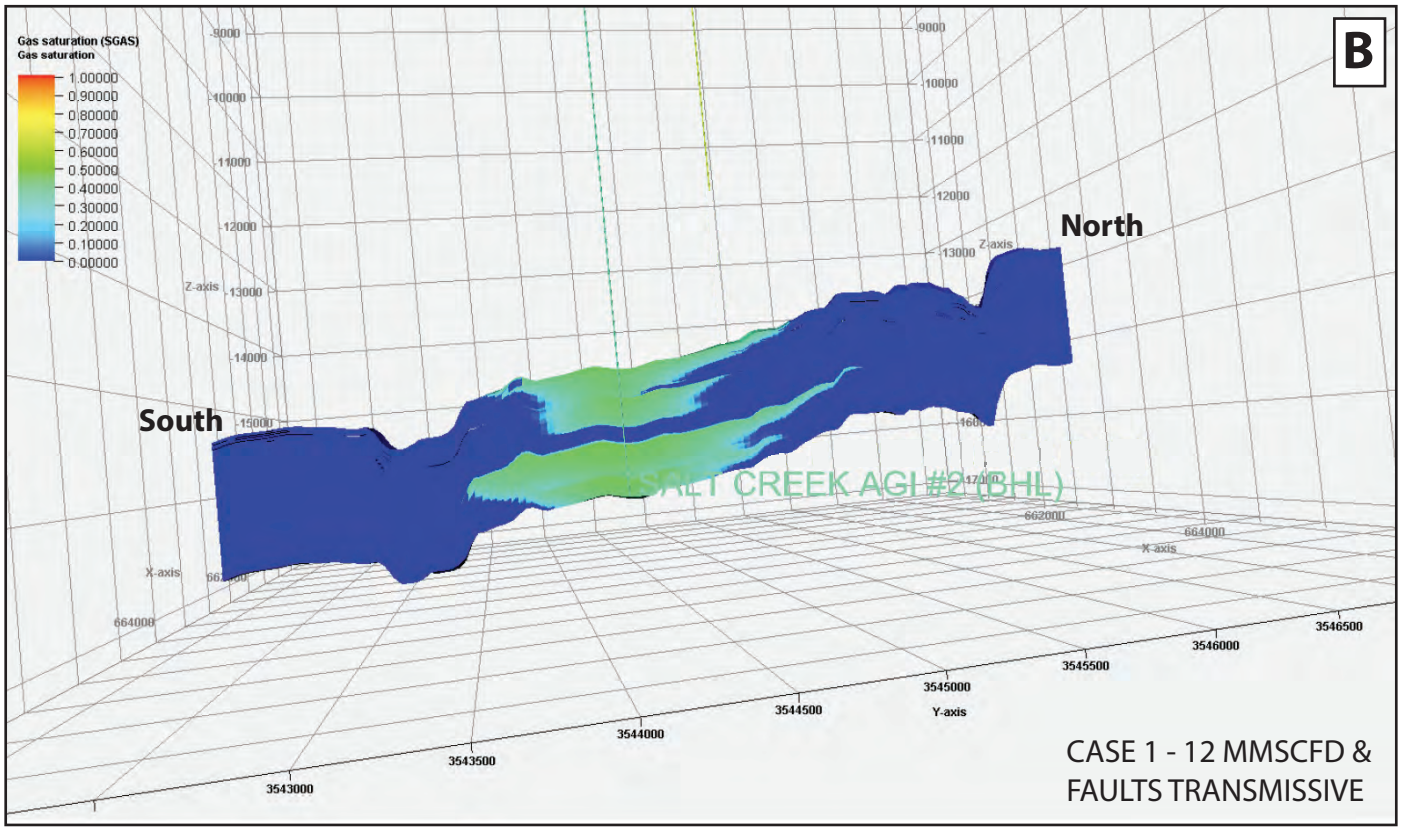
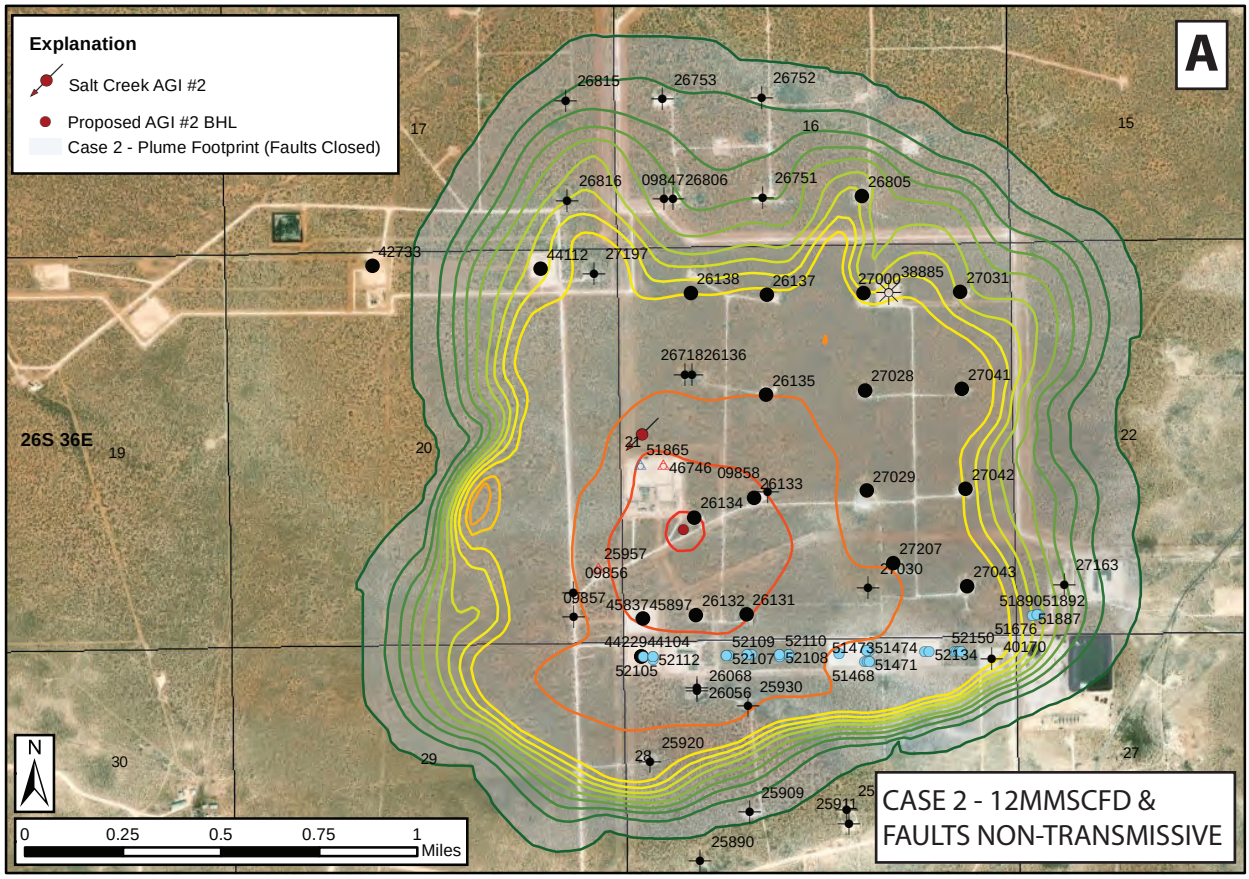




**Figure 6.** Summary of Case 1 Eclipse simulation results. Panel A displays a map of gas saturation contours following 30 years of injection. Panel B illustrates the cross-sectional view of the resultant injection plume. Faults are simulated as open features (i.e., transmissive of flow).



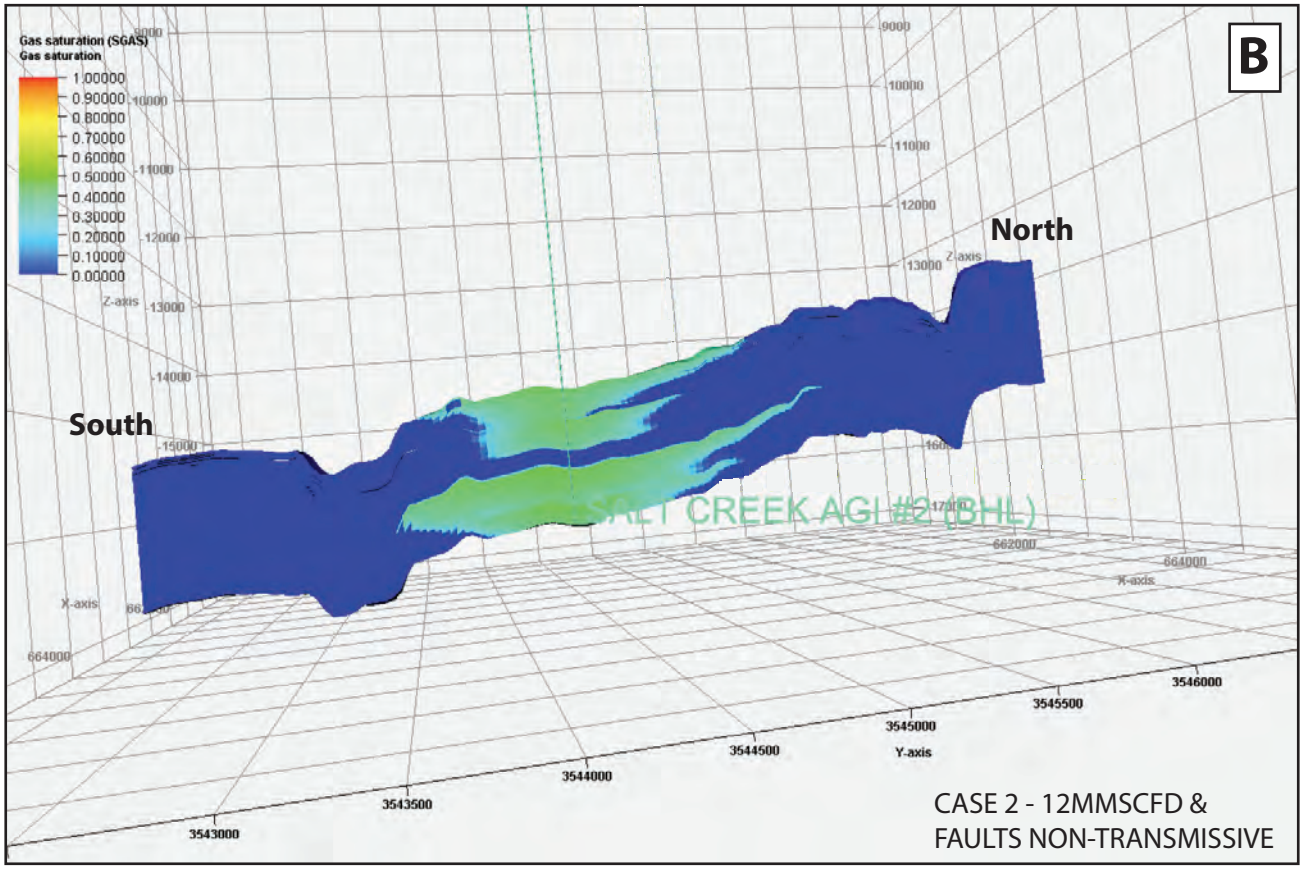
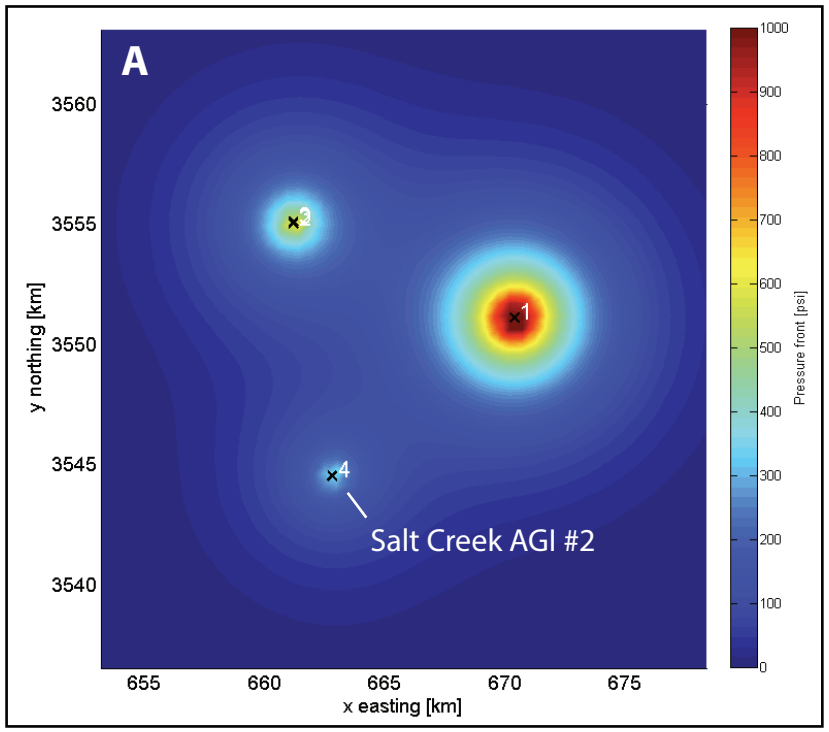
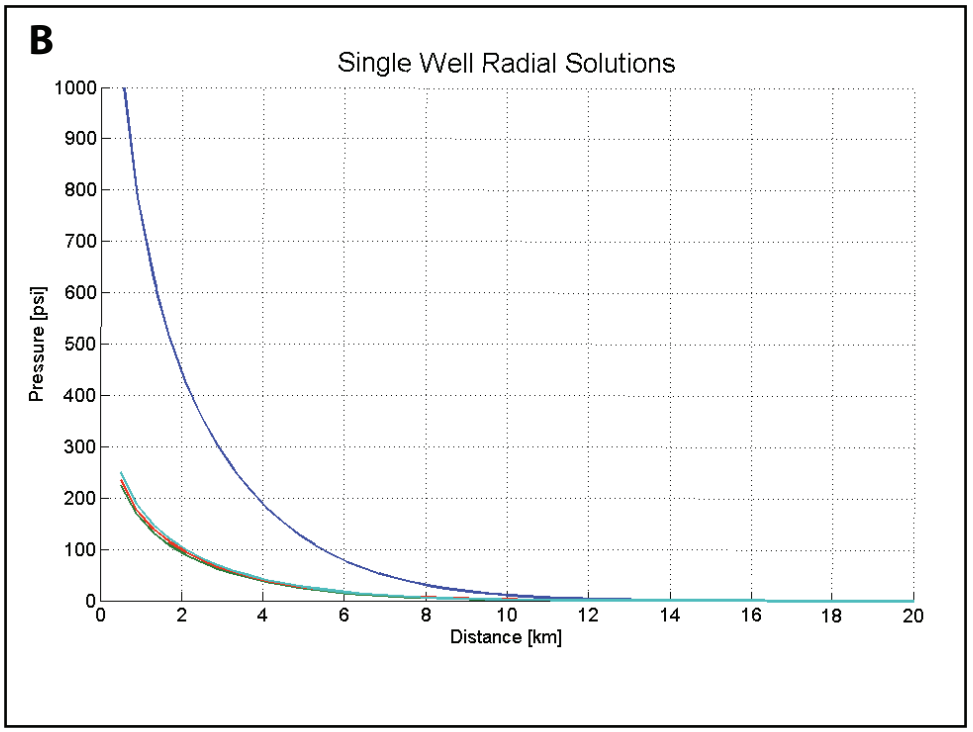




**Figure 7.** Summary of Case 2 Eclipse simulation results. Panel A displays a map of gas saturation contours following 30 years of injection. Panel B illustrates the cross-sectional view of the resultant injection plume. Faults are simulated as closed features (i.e., non-transmissive to flow).



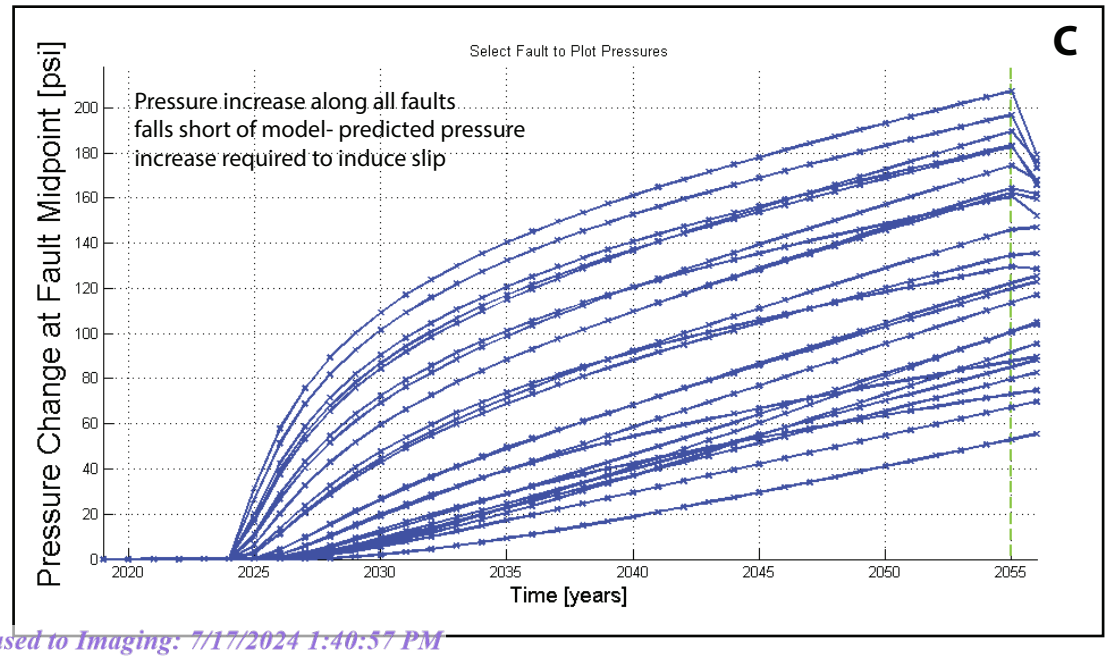
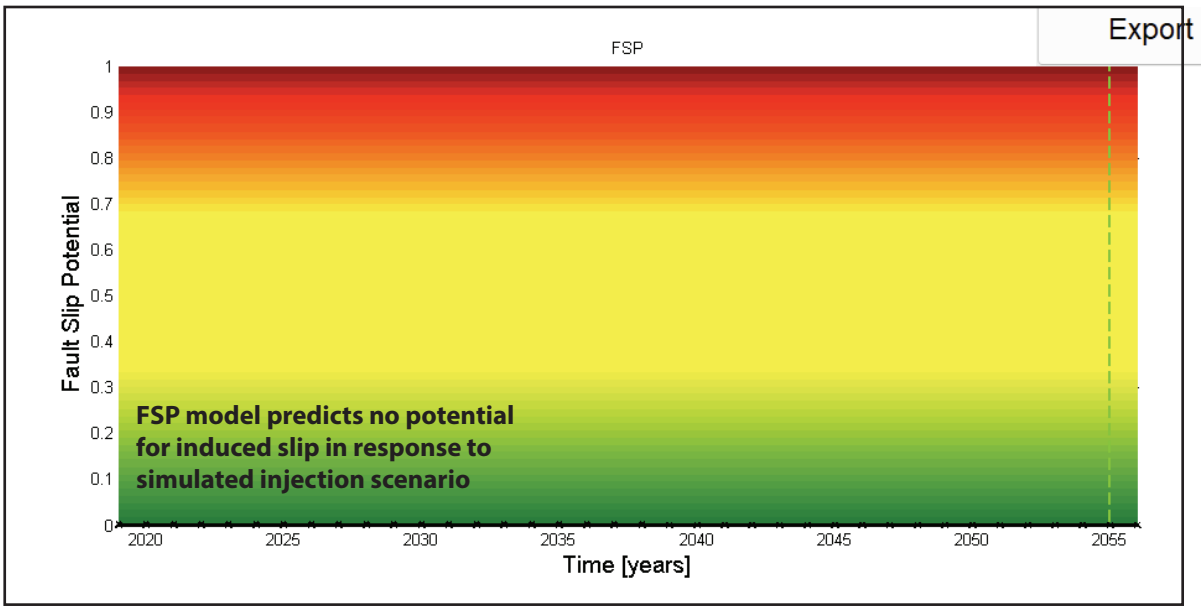




Figure 8. Summary of FSP model-predicted pressure front effects in the year 2055, from injection wells near the permitted Salt Creek AGI #2 (shown in Panel A as Well #4) that are actively injecting within the Siluro-Devonian formations.



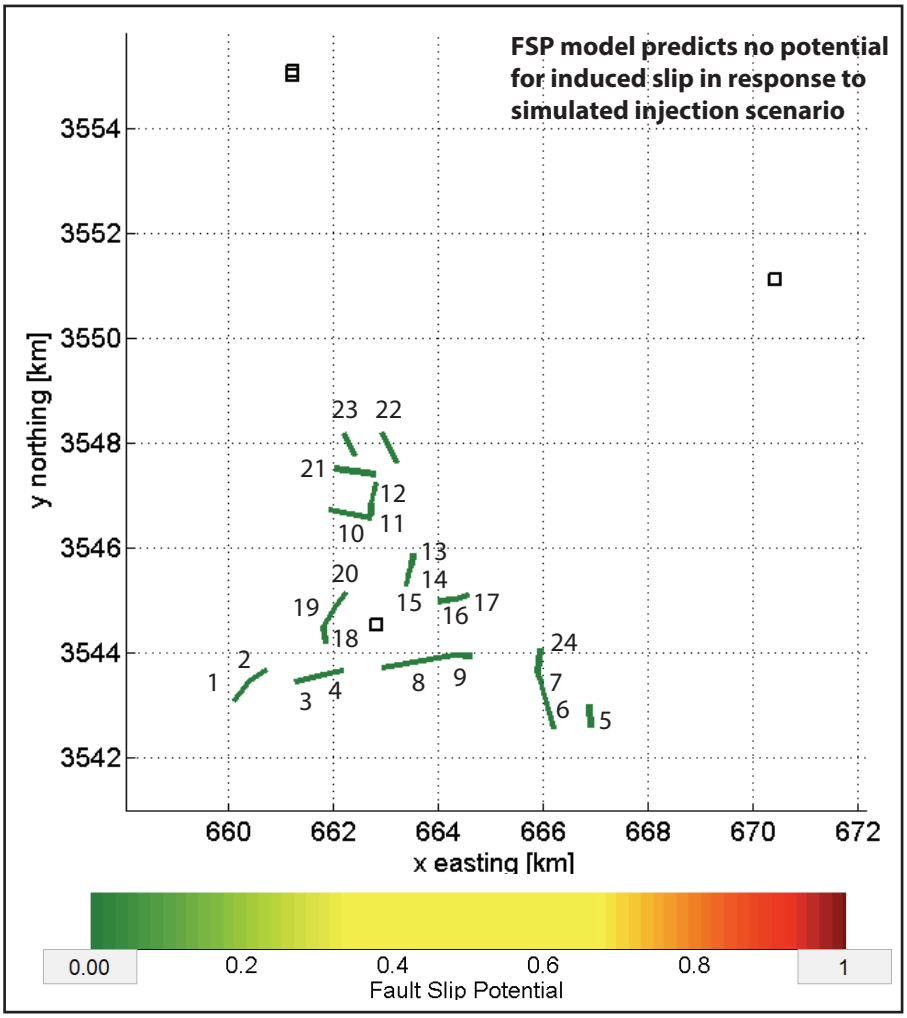




Figure 9. Model-predicted fault-slip potential after 30 years (Panel A) of injection operations at maximum daily volume conditions. Injection operations proposed for Salt Creek AGI #2 will have little impact on faults in the area and indicate no risk of increasing the likelihood of induced seismicity in the region (Panel B).

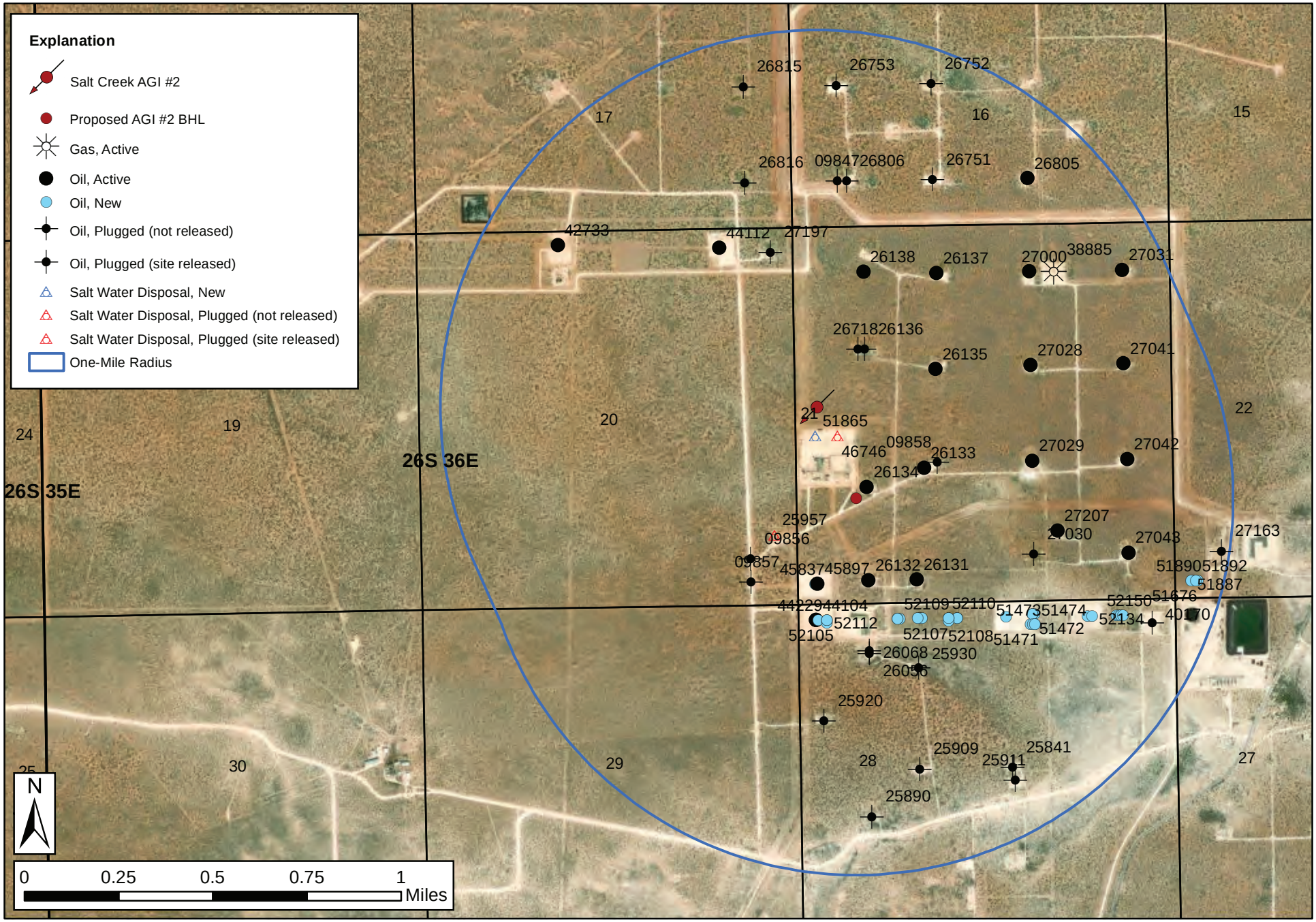



Figure 10. All wells located within one mile of the proposed Salt Creek AGI #2 surface and bottomhole location. Labels denote last 4 digits of API #30-025-xxxxx. There are no wells penetrating the proposed injection zone within one mile.

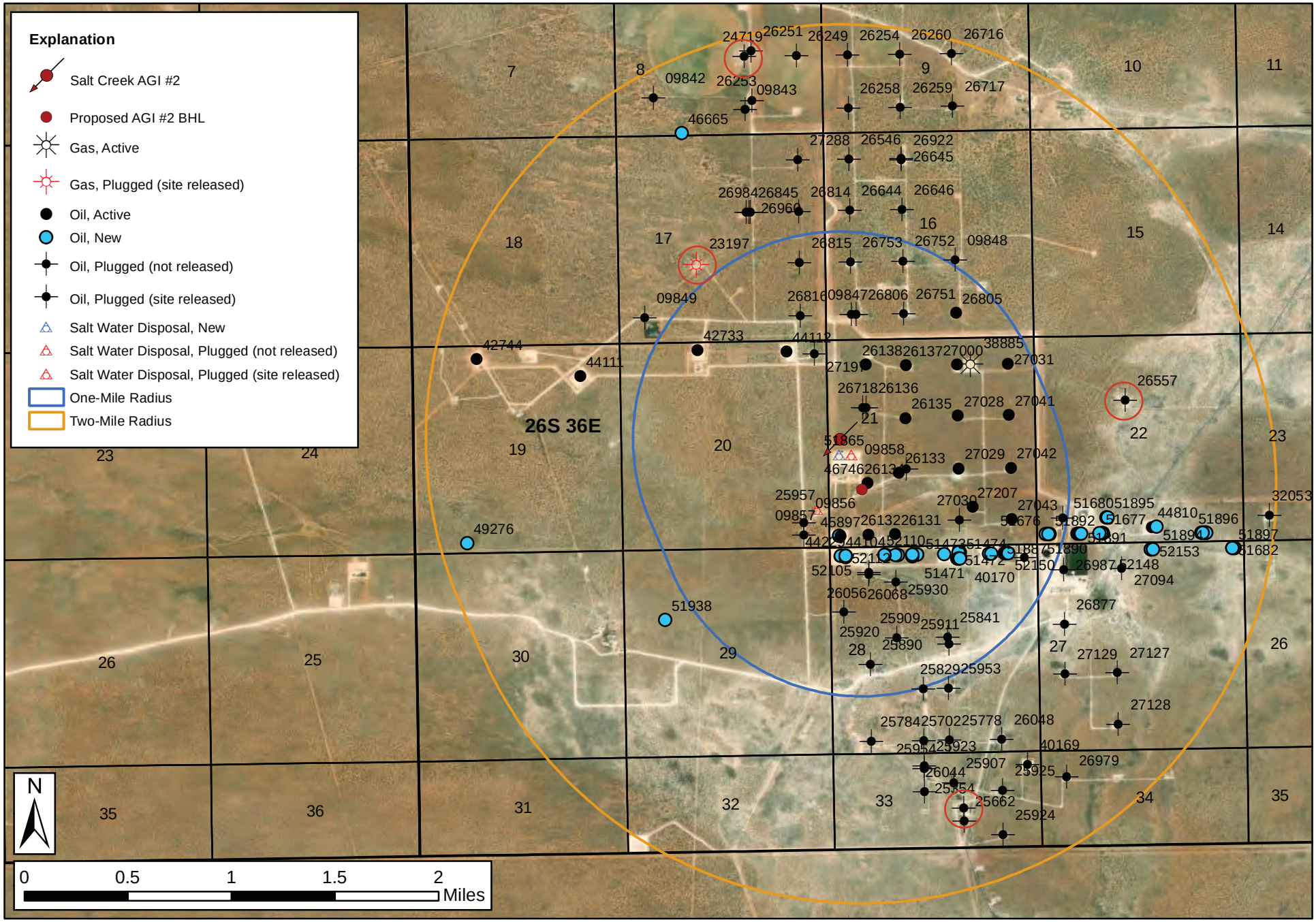



Figure 11. All wells located within two miles of the proposed Salt Creek AGI #2 surface and bottomhole location. Labels denote last 4 digits of API #30-025-xxxxx. There are four wells penetrating the proposed injection zone (red circles), none of which, are predicted to encounter the injection plume.

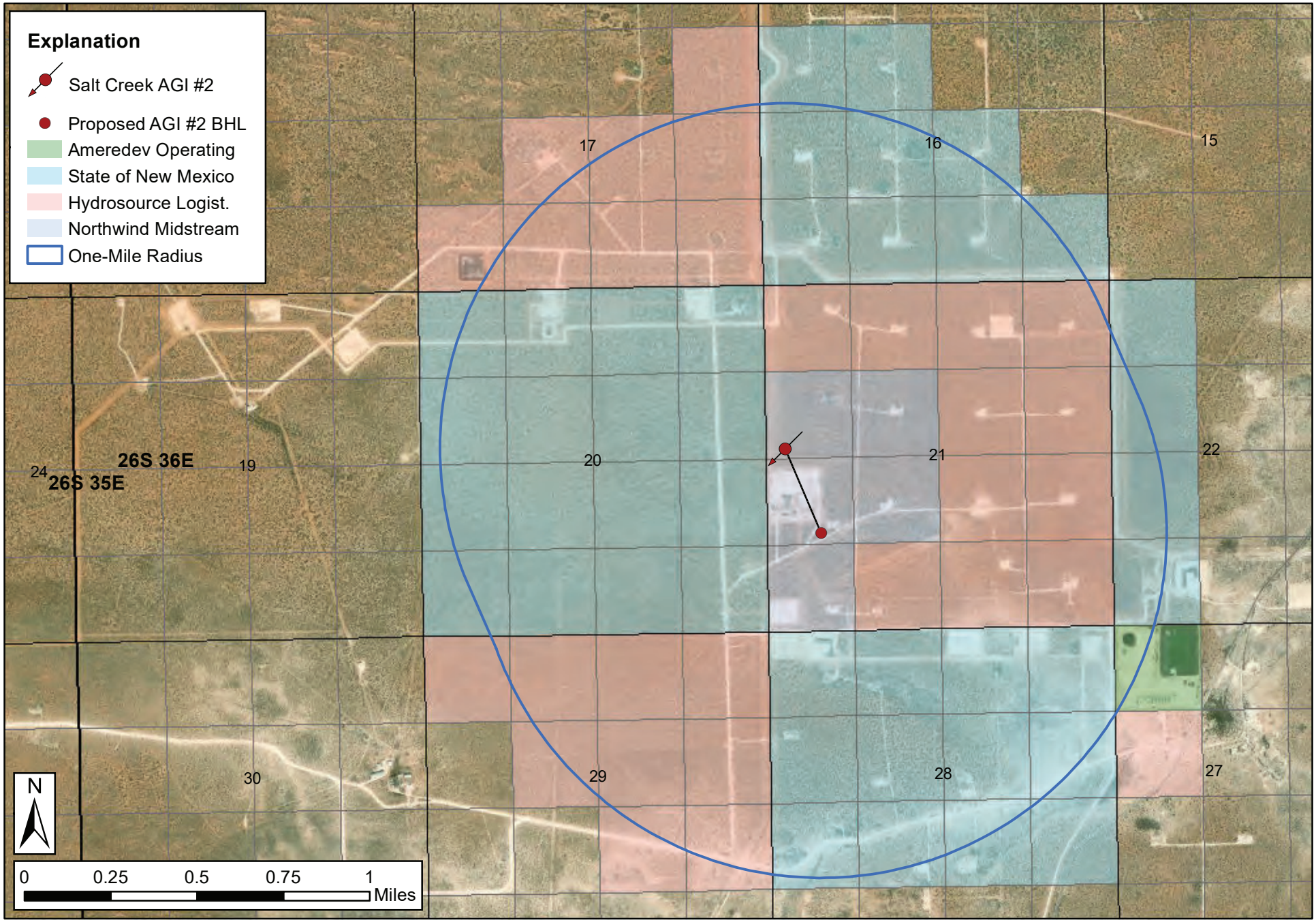



Figure 12. Surface ownership within one mile of the Salt Creek AGI #2 surface location and proposed bottomhole location. With the exception of Hydrosource Logistics, no new interested parties have been identified. All parties have been provided notice of Northwind's request to amend the bottomhole location and deviate Salt Creek AGI #2.

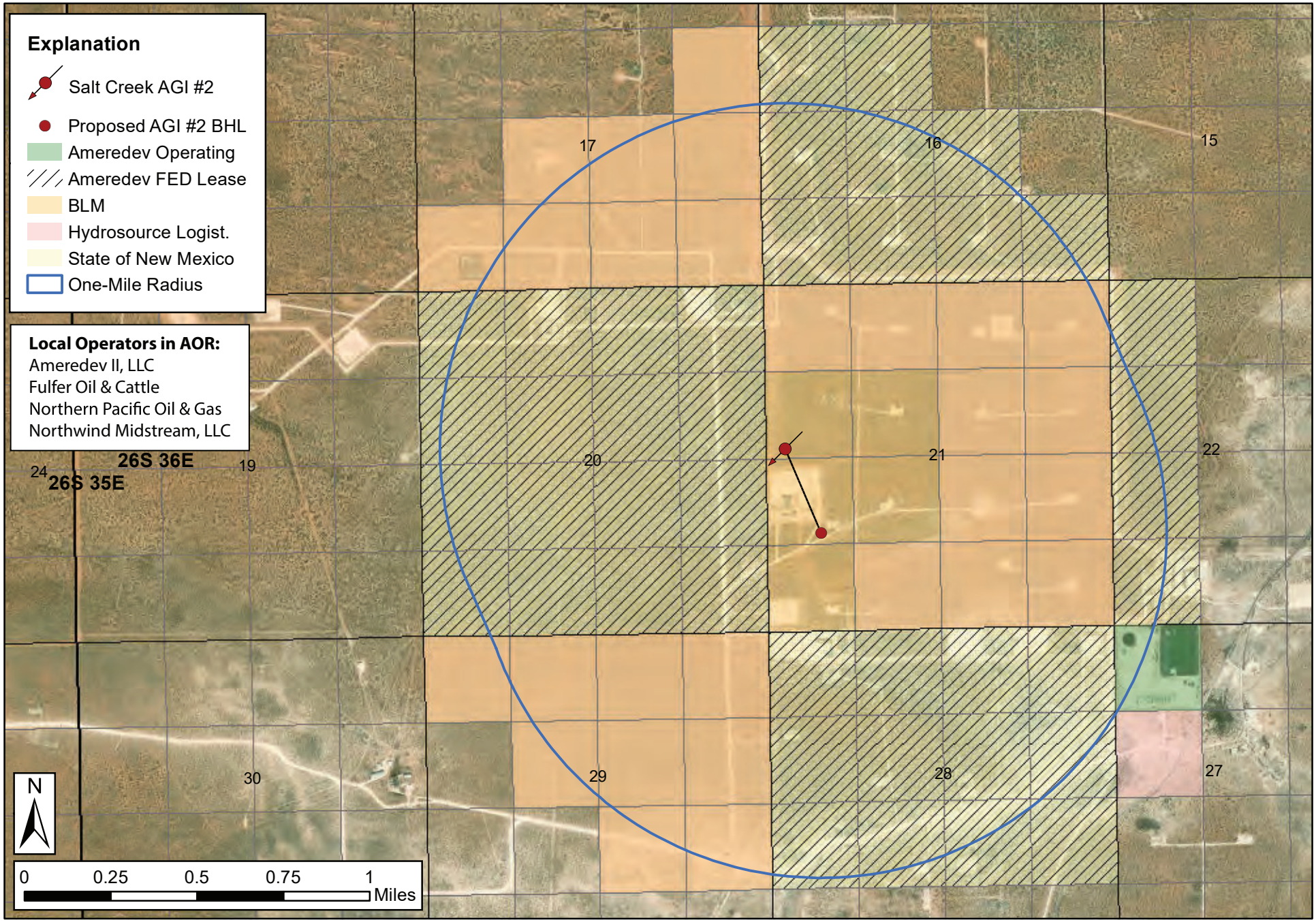



Figure 13. Active operators, and mineral ownership within one mile of the permitted Salt Creek AGI #2 surface hole location and proposed new bottomhole location.

# APPENDIX A

PRELIMINARY DIRECTIONAL DRILLING PLAN FOR SALT CREEK AGI #2

NORTHWIND MIDSTREAM

Company: Northwind Midstream
Well: Salt Creek AGI #2
County: Lea County, New Mexico (NAD 83)
Rig: 25' above MSL
Wellbore: Wellbore #1
Design: Design #2
Date: 14:42, June 03 2024

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

T G M

Azimuths to Grid North
True North: -0.56°
Magnetic North: 5.57°

Magnetic Field
Strength: 47096.0nT
Dip Angle: 59.52°
Date: 5/7/2024
Model: HDGM2024

To convert a Magnetic Direction to a Grid Direction, Add 5.573°
To convert a Magnetic Direction to a True Direction, Add 6.133° East
To convert a True Direction to a Grid Direction, Subtract 0.560°

## WELL DETAILS: Salt Creek AGI #2

GL @ No depth data is available WELL @ 25.00usft (25' above MSL)

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|
| 0.00 | 0.00 | 375934.10 | 868507.51 | 32.029128 | -103.277598 |

## SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | |
| 5400.00 | 0.00 | 0.00 | 5400.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | KOP, 1.50°/100' Build |
| 5862.14 | 6.93 | 157.13 | 5861.01 | -25.73 | 10.85 | 1.50 | 157.131 | 27.92 | Hold 6.93° Inc, 157.13° Azm |
| 17021.69 | 6.93 | 157.13 | 16938.99 | -1266.73 | 534.28 | 0.00 | 0.000 | 1374.79 | Begin 1.50°/100' Drop |
| 17483.83 | 0.00 | 0.00 | 17400.00 | -1292.46 | 545.13 | 1.50 | 180.000 | 1402.72 | Begin Vertical Hold |
| 18733.83 | 0.00 | 0.00 | 18650.00 | -1292.46 | 545.13 | 0.00 | 0.000 | 1402.72 | PBHL |

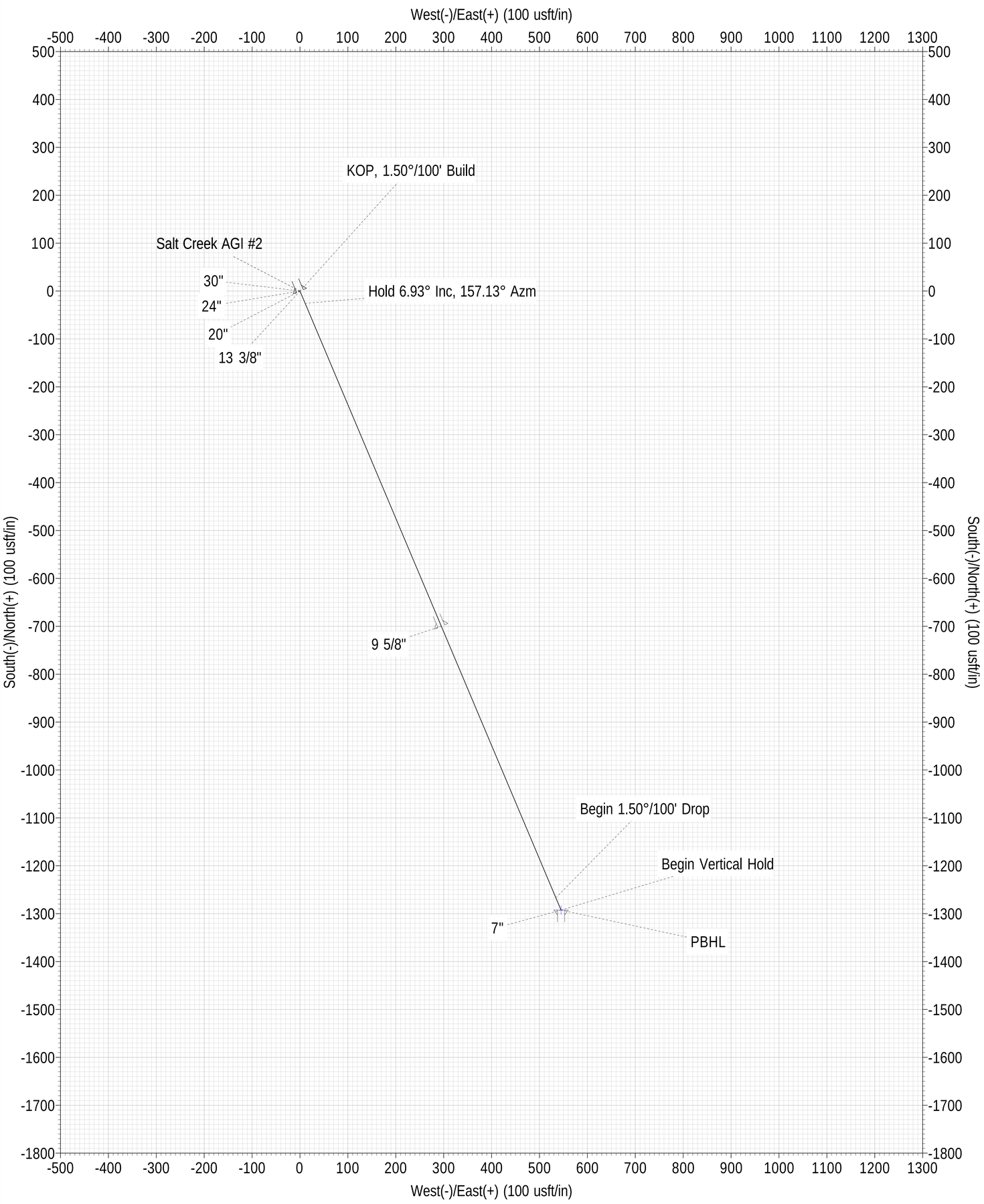
## Targets

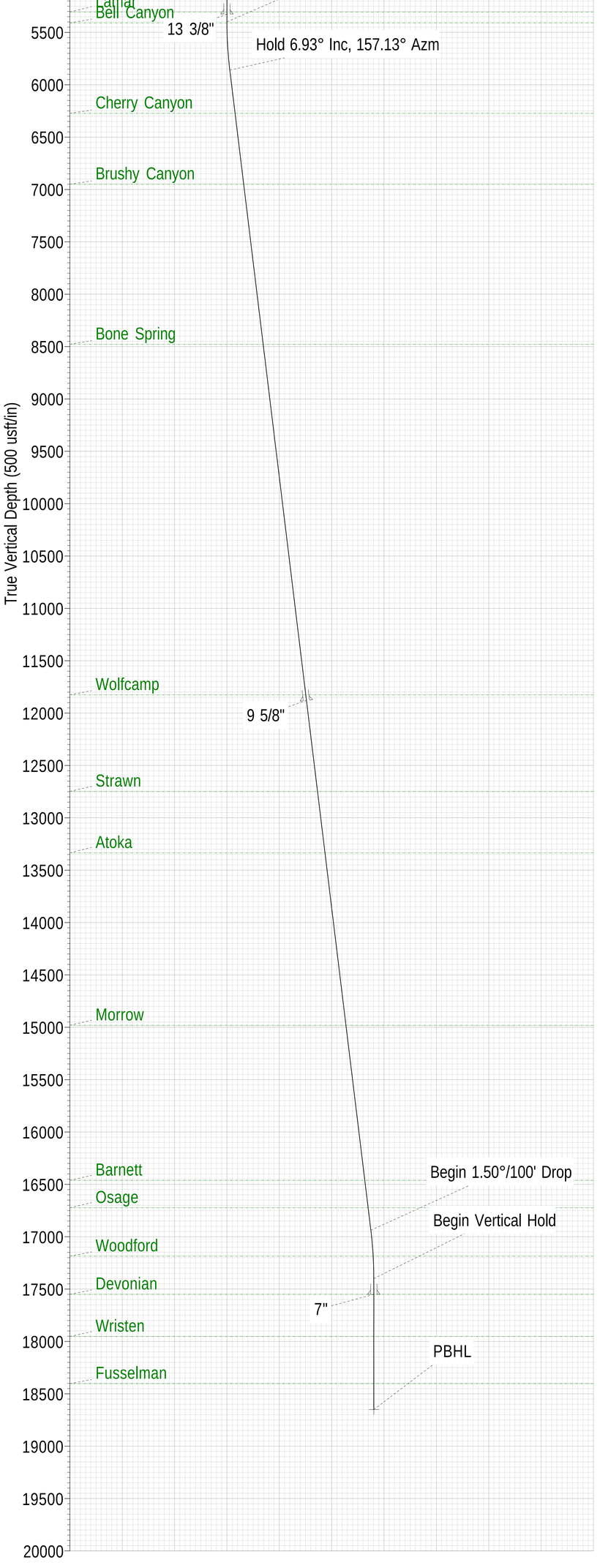
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|---|---|
| PBHL v2 - Salt Creek AGI #2 | 18650.00 | -1292.46 | 545.13 | 374641.64 | 869052.65 | 32.025561 | -103.275880 |

MS Directional

## SURVEY PROGRAM

| Depth From | Depth To | Survey/Plan | Tool |
|---|---|---|---|
| 0.00 | 18733.83 | Design #2 (Wellbore #1) | |








Northwind Midstream
Salt Creek AGI #2
25' above MSL

# Northwind Midstream

**Lea County, New Mexico (NAD 83)**
**Salt Creek AGI #2**

**Wellbore #1**

**Plan: Design #2**

# Standard Planning Report

**03 June, 2024**

NORTHWIND MIDSTREAM

# MS Directional
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Project** Lea County, New Mexico (NAD 83)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | New Mexico Eastern Zone | | |

**Site** Salt Creek

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 375,824.32 usft | **Latitude:** | 32.029128 |
| **From:** | Map | **Easting:** | 868,443.19 usft | **Longitude:** | -103.277598 |
| **Position Uncertainty:** | 0.00 usft | **Slot Radius:** | 13-3/16 " | | |

**Well** Salt Creek AGI #2

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.00 usft | **Northing:** | 375,934.10 usft | **Latitude:** | 32.029128 |
| | **+E/-W** | 0.00 usft | **Easting:** | 868,507.51 usft | **Longitude:** | -103.277598 |
| **Position Uncertainty** | | 0.00 usft | **Wellhead Elevation:** | usft | **Ground Level:** | usft |
| **Grid Convergence:** | | 0.560 ° | | | | |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | HDGM2024 | 5/7/2024 | 6.133 | 59.517 | 47,096.000 |

**Design** Design #2

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PLAN | **Tie On Depth:** | 0.00 |

| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 157.13 |

**Plan Survey Tool Program** **Date** 6/3/2024

| | Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
|---|---|---|---|---|---|
| 1 | 0.00 | 18,733.83 | Design #2 (Wellbore #1) | | |

**Plan Sections**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 5,400.00 | 0.00 | 0.00 | 5,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 5,862.14 | 6.93 | 157.13 | 5,861.01 | -25.73 | 10.85 | 1.50 | 1.50 | 0.00 | 157.131 | |
| 17,021.69 | 6.93 | 157.13 | 16,938.99 | -1,266.73 | 534.28 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 17,483.83 | 0.00 | 0.00 | 17,400.00 | -1,292.46 | 545.13 | 1.50 | -1.50 | 0.00 | 180.000 | |
| 18,733.83 | 0.00 | 0.00 | 18,650.00 | -1,292.46 | 545.13 | 0.00 | 0.00 | 0.00 | 0.000 | PBHL v2 - Salt Cree |

NORTHWIND MIDSTREAM

# MS Directional
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **30"** | | | | | | | | | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669.00 | 0.00 | 0.00 | 669.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Dockum** | | | | | | | | | |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,247.00 | 0.00 | 0.00 | 1,247.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Ochoa-Dewey** | | | | | | | | | |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,076.00 | 0.00 | 0.00 | 2,076.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Rustler** | | | | | | | | | |
| 2,080.00 | 0.00 | 0.00 | 2,080.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **24"** | | | | | | | | | |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,359.00 | 0.00 | 0.00 | 2,359.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Salado** | | | | | | | | | |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 3,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,160.00 | 0.00 | 0.00 | 3,160.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Yates** | | | | | | | | | |
| 3,200.00 | 0.00 | 0.00 | 3,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,334.00 | 0.00 | 0.00 | 3,334.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **7 Rivers** | | | | | | | | | |
| 3,400.00 | 0.00 | 0.00 | 3,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 0.00 | 0.00 | 3,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 0.00 | 0.00 | 3,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

NORTHWIND MIDSTREAM

**MS Directional**
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 3,700.00 | 0.00 | 0.00 | 3,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **20"** | | | | | | | | | |
| 3,737.00 | 0.00 | 0.00 | 3,737.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Castile** | | | | | | | | | |
| 3,800.00 | 0.00 | 0.00 | 3,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 4,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 4,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 0.00 | 0.00 | 4,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 4,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 0.00 | 0.00 | 4,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 0.00 | 0.00 | 4,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 0.00 | 0.00 | 4,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 0.00 | 0.00 | 4,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 5,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,305.00 | 0.00 | 0.00 | 5,305.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Lamar** | | | | | | | | | |
| 5,325.00 | 0.00 | 0.00 | 5,325.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **13 3/8"** | | | | | | | | | |
| 5,400.00 | 0.00 | 0.00 | 5,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **KOP, 1.50°/100' Build** | | | | | | | | | |
| 5,410.00 | 0.15 | 157.13 | 5,410.00 | -0.01 | 0.01 | 0.01 | 1.50 | 1.50 | 0.00 |
| **Bell Canyon** | | | | | | | | | |
| 5,500.00 | 1.50 | 157.13 | 5,499.99 | -1.21 | 0.51 | 1.31 | 1.50 | 1.50 | 0.00 |
| 5,600.00 | 3.00 | 157.13 | 5,599.91 | -4.82 | 2.03 | 5.23 | 1.50 | 1.50 | 0.00 |
| 5,700.00 | 4.50 | 157.13 | 5,699.69 | -10.85 | 4.58 | 11.77 | 1.50 | 1.50 | 0.00 |
| 5,800.00 | 6.00 | 157.13 | 5,799.27 | -19.28 | 8.13 | 20.92 | 1.50 | 1.50 | 0.00 |
| 5,862.14 | 6.93 | 157.13 | 5,861.01 | -25.73 | 10.85 | 27.92 | 1.50 | 1.50 | 0.00 |
| **Hold 6.93° Inc, 157.13° Azm** | | | | | | | | | |
| 5,900.00 | 6.93 | 157.13 | 5,898.60 | -29.94 | 12.63 | 32.49 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 6.93 | 157.13 | 5,997.87 | -41.06 | 17.32 | 44.56 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 6.93 | 157.13 | 6,097.13 | -52.18 | 22.01 | 56.63 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 6.93 | 157.13 | 6,196.40 | -63.30 | 26.70 | 68.70 | 0.00 | 0.00 | 0.00 |
| 6,277.16 | 6.93 | 157.13 | 6,273.00 | -71.88 | 30.32 | 78.01 | 0.00 | 0.00 | 0.00 |
| **Cherry Canyon** | | | | | | | | | |
| 6,300.00 | 6.93 | 157.13 | 6,295.67 | -74.42 | 31.39 | 80.77 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 6.93 | 157.13 | 6,394.94 | -85.54 | 36.08 | 92.84 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 6.93 | 157.13 | 6,494.21 | -96.66 | 40.77 | 104.91 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 6.93 | 157.13 | 6,593.48 | -107.78 | 45.46 | 116.98 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 6.93 | 157.13 | 6,692.75 | -118.90 | 50.15 | 129.05 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 6.93 | 157.13 | 6,792.02 | -130.02 | 54.84 | 141.12 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 6.93 | 157.13 | 6,891.29 | -141.14 | 59.53 | 153.18 | 0.00 | 0.00 | 0.00 |
| 6,959.15 | 6.93 | 157.13 | 6,950.00 | -147.72 | 62.31 | 160.32 | 0.00 | 0.00 | 0.00 |
| **Brushy Canyon** | | | | | | | | | |
| 7,000.00 | 6.93 | 157.13 | 6,990.56 | -152.26 | 64.22 | 165.25 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 6.93 | 157.13 | 7,089.82 | -163.38 | 68.91 | 177.32 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 6.93 | 157.13 | 7,189.09 | -174.50 | 73.60 | 189.39 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 6.93 | 157.13 | 7,288.36 | -185.63 | 78.29 | 201.46 | 0.00 | 0.00 | 0.00 |

NORTHWIND MIDSTREAM

# MS Directional
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 7,400.00 | 6.93 | 157.13 | 7,387.63 | -196.75 | 82.98 | 213.53 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 6.93 | 157.13 | 7,486.90 | -207.87 | 87.67 | 225.60 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 6.93 | 157.13 | 7,586.17 | -218.99 | 92.36 | 237.67 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 6.93 | 157.13 | 7,685.44 | -230.11 | 97.05 | 249.74 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 6.93 | 157.13 | 7,784.71 | -241.23 | 101.75 | 261.81 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 6.93 | 157.13 | 7,883.98 | -252.35 | 106.44 | 273.88 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 6.93 | 157.13 | 7,983.25 | -263.47 | 111.13 | 285.95 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 6.93 | 157.13 | 8,082.51 | -274.59 | 115.82 | 298.01 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 6.93 | 157.13 | 8,181.78 | -285.71 | 120.51 | 310.08 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 6.93 | 157.13 | 8,281.05 | -296.83 | 125.20 | 322.15 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 6.93 | 157.13 | 8,380.32 | -307.95 | 129.89 | 334.22 | 0.00 | 0.00 | 0.00 |
| 8,499.41 | 6.93 | 157.13 | 8,479.00 | -319.01 | 134.55 | 346.22 | 0.00 | 0.00 | 0.00 |
| **Bone Spring** | | | | | | | | | |
| 8,500.00 | 6.93 | 157.13 | 8,479.59 | -319.07 | 134.58 | 346.29 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 6.93 | 157.13 | 8,578.86 | -330.19 | 139.27 | 358.36 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 6.93 | 157.13 | 8,678.13 | -341.31 | 143.96 | 370.43 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 6.93 | 157.13 | 8,777.40 | -352.43 | 148.65 | 382.50 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 6.93 | 157.13 | 8,876.67 | -363.55 | 153.34 | 394.57 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 6.93 | 157.13 | 8,975.94 | -374.67 | 158.03 | 406.64 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 6.93 | 157.13 | 9,075.20 | -385.79 | 162.72 | 418.71 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 6.93 | 157.13 | 9,174.47 | -396.92 | 167.41 | 430.78 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 6.93 | 157.13 | 9,273.74 | -408.04 | 172.10 | 442.85 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 6.93 | 157.13 | 9,373.01 | -419.16 | 176.79 | 454.91 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 6.93 | 157.13 | 9,472.28 | -430.28 | 181.48 | 466.98 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 6.93 | 157.13 | 9,571.55 | -441.40 | 186.17 | 479.05 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 6.93 | 157.13 | 9,670.82 | -452.52 | 190.86 | 491.12 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 6.93 | 157.13 | 9,770.09 | -463.64 | 195.55 | 503.19 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 6.93 | 157.13 | 9,869.36 | -474.76 | 200.24 | 515.26 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 6.93 | 157.13 | 9,968.63 | -485.88 | 204.93 | 527.33 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 6.93 | 157.13 | 10,067.89 | -497.00 | 209.63 | 539.40 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 6.93 | 157.13 | 10,167.16 | -508.12 | 214.32 | 551.47 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 6.93 | 157.13 | 10,266.43 | -519.24 | 219.01 | 563.54 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 6.93 | 157.13 | 10,365.70 | -530.36 | 223.70 | 575.61 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 6.93 | 157.13 | 10,464.97 | -541.48 | 228.39 | 587.68 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 6.93 | 157.13 | 10,564.24 | -552.60 | 233.08 | 599.75 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 6.93 | 157.13 | 10,663.51 | -563.72 | 237.77 | 611.81 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 6.93 | 157.13 | 10,762.78 | -574.84 | 242.46 | 623.88 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 6.93 | 157.13 | 10,862.05 | -585.96 | 247.15 | 635.95 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 6.93 | 157.13 | 10,961.32 | -597.08 | 251.84 | 648.02 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 6.93 | 157.13 | 11,060.58 | -608.21 | 256.53 | 660.09 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 6.93 | 157.13 | 11,159.85 | -619.33 | 261.22 | 672.16 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 6.93 | 157.13 | 11,259.12 | -630.45 | 265.91 | 684.23 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 6.93 | 157.13 | 11,358.39 | -641.57 | 270.60 | 696.30 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 6.93 | 157.13 | 11,457.66 | -652.69 | 275.29 | 708.37 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 6.93 | 157.13 | 11,556.93 | -663.81 | 279.98 | 720.44 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 6.93 | 157.13 | 11,656.20 | -674.93 | 284.67 | 732.51 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 6.93 | 157.13 | 11,755.47 | -686.05 | 289.36 | 744.58 | 0.00 | 0.00 | 0.00 |
| 11,871.05 | 6.93 | 157.13 | 11,826.00 | -693.95 | 292.70 | 753.15 | 0.00 | 0.00 | 0.00 |
| **Wolfcamp** | | | | | | | | | |
| 11,900.00 | 6.93 | 157.13 | 11,854.74 | -697.17 | 294.05 | 756.65 | 0.00 | 0.00 | 0.00 |
| 11,924.44 | 6.93 | 157.13 | 11,879.00 | -699.89 | 295.20 | 759.60 | 0.00 | 0.00 | 0.00 |
| **9 5/8"** | | | | | | | | | |
| 12,000.00 | 6.93 | 157.13 | 11,954.01 | -708.29 | 298.74 | 768.71 | 0.00 | 0.00 | 0.00 |

NORTHWIND MIDSTREAM

# MS Directional
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 12,100.00 | 6.93 | 157.13 | 12,053.27 | -719.41 | 303.43 | 780.78 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 6.93 | 157.13 | 12,152.54 | -730.53 | 308.12 | 792.85 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 6.93 | 157.13 | 12,251.81 | -741.65 | 312.81 | 804.92 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 6.93 | 157.13 | 12,351.08 | -752.77 | 317.51 | 816.99 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 6.93 | 157.13 | 12,450.35 | -763.89 | 322.20 | 829.06 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 6.93 | 157.13 | 12,549.62 | -775.01 | 326.89 | 841.13 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 6.93 | 157.13 | 12,648.89 | -786.13 | 331.58 | 853.20 | 0.00 | 0.00 | 0.00 |
| 12,799.84 | 6.93 | 157.13 | 12,748.00 | -797.24 | 336.26 | 865.25 | 0.00 | 0.00 | 0.00 |
| **Strawn** | | | | | | | | | |
| 12,800.00 | 6.93 | 157.13 | 12,748.16 | -797.25 | 336.27 | 865.27 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 6.93 | 157.13 | 12,847.43 | -808.37 | 340.96 | 877.34 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 6.93 | 157.13 | 12,946.70 | -819.50 | 345.65 | 889.41 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 6.93 | 157.13 | 13,045.96 | -830.62 | 350.34 | 901.48 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 6.93 | 157.13 | 13,145.23 | -841.74 | 355.03 | 913.55 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 6.93 | 157.13 | 13,244.50 | -852.86 | 359.72 | 925.61 | 0.00 | 0.00 | 0.00 |
| 13,391.16 | 6.93 | 157.13 | 13,335.00 | -862.99 | 363.99 | 936.62 | 0.00 | 0.00 | 0.00 |
| **Atoka** | | | | | | | | | |
| 13,400.00 | 6.93 | 157.13 | 13,343.77 | -863.98 | 364.41 | 937.68 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 6.93 | 157.13 | 13,443.04 | -875.10 | 369.10 | 949.75 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 6.93 | 157.13 | 13,542.31 | -886.22 | 373.79 | 961.82 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 6.93 | 157.13 | 13,641.58 | -897.34 | 378.48 | 973.89 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 6.93 | 157.13 | 13,740.85 | -908.46 | 383.17 | 985.96 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 6.93 | 157.13 | 13,840.12 | -919.58 | 387.86 | 998.03 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 6.93 | 157.13 | 13,939.39 | -930.70 | 392.55 | 1,010.10 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 6.93 | 157.13 | 14,038.65 | -941.82 | 397.24 | 1,022.17 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 6.93 | 157.13 | 14,137.92 | -952.94 | 401.93 | 1,034.24 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 6.93 | 157.13 | 14,237.19 | -964.06 | 406.62 | 1,046.31 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 6.93 | 157.13 | 14,336.46 | -975.18 | 411.31 | 1,058.38 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 6.93 | 157.13 | 14,435.73 | -986.30 | 416.00 | 1,070.45 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 6.93 | 157.13 | 14,535.00 | -997.42 | 420.69 | 1,082.51 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 6.93 | 157.13 | 14,634.27 | -1,008.54 | 425.38 | 1,094.58 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 6.93 | 157.13 | 14,733.54 | -1,019.66 | 430.08 | 1,106.65 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 6.93 | 157.13 | 14,832.81 | -1,030.79 | 434.77 | 1,118.72 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 6.93 | 157.13 | 14,932.08 | -1,041.91 | 439.46 | 1,130.79 | 0.00 | 0.00 | 0.00 |
| 15,049.29 | 6.93 | 157.13 | 14,981.00 | -1,047.39 | 441.77 | 1,136.74 | 0.00 | 0.00 | 0.00 |
| **Morrow** | | | | | | | | | |
| 15,100.00 | 6.93 | 157.13 | 15,031.34 | -1,053.03 | 444.15 | 1,142.86 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 6.93 | 157.13 | 15,130.61 | -1,064.15 | 448.84 | 1,154.93 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 6.93 | 157.13 | 15,229.88 | -1,075.27 | 453.53 | 1,167.00 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 6.93 | 157.13 | 15,329.15 | -1,086.39 | 458.22 | 1,179.07 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 6.93 | 157.13 | 15,428.42 | -1,097.51 | 462.91 | 1,191.14 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 6.93 | 157.13 | 15,527.69 | -1,108.63 | 467.60 | 1,203.21 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 6.93 | 157.13 | 15,626.96 | -1,119.75 | 472.29 | 1,215.28 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 6.93 | 157.13 | 15,726.23 | -1,130.87 | 476.98 | 1,227.35 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 6.93 | 157.13 | 15,825.50 | -1,141.99 | 481.67 | 1,239.41 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 6.93 | 157.13 | 15,924.77 | -1,153.11 | 486.36 | 1,251.48 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 6.93 | 157.13 | 16,024.03 | -1,164.23 | 491.05 | 1,263.55 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 6.93 | 157.13 | 16,123.30 | -1,175.35 | 495.74 | 1,275.62 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 6.93 | 157.13 | 16,222.57 | -1,186.47 | 500.43 | 1,287.69 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 6.93 | 157.13 | 16,321.84 | -1,197.59 | 505.12 | 1,299.76 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 6.93 | 157.13 | 16,421.11 | -1,208.71 | 509.81 | 1,311.83 | 0.00 | 0.00 | 0.00 |
| 16,541.19 | 6.93 | 157.13 | 16,462.00 | -1,213.29 | 511.74 | 1,316.80 | 0.00 | 0.00 | 0.00 |
| **Barnett** | | | | | | | | | |

NORTHWIND MIDSTREAM

**MS Directional**
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 16,600.00 | 6.93 | 157.13 | 16,520.38 | -1,219.83 | 514.50 | 1,323.90 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 6.93 | 157.13 | 16,619.65 | -1,230.95 | 519.19 | 1,335.97 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 6.93 | 157.13 | 16,718.92 | -1,242.08 | 523.88 | 1,348.04 | 0.00 | 0.00 | 0.00 |
| 16,805.12 | 6.93 | 157.13 | 16,724.00 | -1,242.64 | 524.12 | 1,348.66 | 0.00 | 0.00 | 0.00 |
| **Osage** | | | | | | | | | |
| 16,900.00 | 6.93 | 157.13 | 16,818.19 | -1,253.20 | 528.57 | 1,360.11 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 6.93 | 157.13 | 16,917.46 | -1,264.32 | 533.26 | 1,372.18 | 0.00 | 0.00 | 0.00 |
| 17,021.69 | 6.93 | 157.13 | 16,938.99 | -1,266.73 | 534.28 | 1,374.79 | 0.00 | 0.00 | 0.00 |
| **Begin 1.50°/100' Drop** | | | | | | | | | |
| 17,100.00 | 5.76 | 157.13 | 17,016.82 | -1,274.70 | 537.65 | 1,383.45 | 1.50 | -1.50 | 0.00 |
| 17,200.00 | 4.26 | 157.13 | 17,116.43 | -1,282.74 | 541.04 | 1,392.18 | 1.50 | -1.50 | 0.00 |
| 17,269.72 | 3.21 | 157.13 | 17,186.00 | -1,286.93 | 542.80 | 1,396.72 | 1.50 | -1.50 | 0.00 |
| **Woodford** | | | | | | | | | |
| 17,300.00 | 2.76 | 157.13 | 17,216.24 | -1,288.38 | 543.41 | 1,398.29 | 1.50 | -1.50 | 0.00 |
| 17,400.00 | 1.26 | 157.13 | 17,316.18 | -1,291.61 | 544.78 | 1,401.80 | 1.50 | -1.50 | 0.00 |
| 17,483.83 | 0.00 | 0.00 | 17,400.00 | -1,292.46 | 545.13 | 1,402.72 | 1.50 | -1.50 | 0.00 |
| **Begin Vertical Hold** | | | | | | | | | |
| 17,500.00 | 0.00 | 0.00 | 17,416.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 0.00 | 0.00 | 17,516.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 17,633.83 | 0.00 | 0.00 | 17,550.00 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| **Devonian - 7"** | | | | | | | | | |
| 17,700.00 | 0.00 | 0.00 | 17,616.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 0.00 | 0.00 | 17,716.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 0.00 | 0.00 | 17,816.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 0.00 | 0.00 | 17,916.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,036.83 | 0.00 | 0.00 | 17,953.00 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| **Wristen** | | | | | | | | | |
| 18,100.00 | 0.00 | 0.00 | 18,016.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,200.00 | 0.00 | 0.00 | 18,116.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 0.00 | 0.00 | 18,216.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 0.00 | 0.00 | 18,316.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,486.83 | 0.00 | 0.00 | 18,403.00 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| **Fusselman** | | | | | | | | | |
| 18,500.00 | 0.00 | 0.00 | 18,416.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 0.00 | 0.00 | 18,516.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 0.00 | 0.00 | 18,616.17 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| 18,733.83 | 0.00 | 0.00 | 18,650.00 | -1,292.46 | 545.13 | 1,402.72 | 0.00 | 0.00 | 0.00 |
| **PBHL** | | | | | | | | | |

**Design Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| PBHL v2 - Salt Creek<br>- plan hits target center<br>- Point | 0.00 | 0.00 | 18,650.00 | -1,292.46 | 545.13 | 374,641.64 | 869,052.65 | 32.025561 | -103.275880 |

NORTHWIND MIDSTREAM

**MS Directional**
Planning Report

MS Directional

| | | | |
|---|---|---|---|
| **Database:** | Conroe DB | **Local Co-ordinate Reference:** | Well Salt Creek AGI #2 |
| **Company:** | Northwind Midstream | **TVD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Project:** | Lea County, New Mexico (NAD 83) | **MD Reference:** | WELL @ 25.00usft (25' above MSL) |
| **Site:** | Salt Creek | **North Reference:** | Grid |
| **Well:** | Salt Creek AGI #2 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #2 | | |

**Casing Points**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|---|---|---|---|---|
| 120.00 | 120.00 | 30" | 30 | 36 |
| 2,080.00 | 2,080.00 | 24" | 24 | 30 |
| 3,700.00 | 3,700.00 | 20" | 20 | 26 |
| 5,325.00 | 5,325.00 | 13 3/8" | 13-3/8 | 17-1/2 |
| 11,924.44 | 11,879.00 | 9 5/8" | 9-5/8 | 12-1/4 |
| 17,633.83 | 17,550.00 | 7" | 7 | 8-3/4 |

**Formations**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 669.00 | 669.00 | Dockum | | 0.000 | |
| 1,247.00 | 1,247.00 | Ochoa-Dewey | | 0.000 | |
| 2,076.00 | 2,076.00 | Rustler | | 0.000 | |
| 2,359.00 | 2,359.00 | Salado | | 0.000 | |
| 3,160.00 | 3,160.00 | Yates | | 0.000 | |
| 3,334.00 | 3,334.00 | 7 Rivers | | 0.000 | |
| 3,737.00 | 3,737.00 | Castile | | 0.000 | |
| 5,305.00 | 5,305.00 | Lamar | | 0.000 | |
| 5,410.00 | 5,410.00 | Bell Canyon | | 0.000 | |
| 6,277.16 | 6,273.00 | Cherry Canyon | | 0.000 | |
| 6,959.15 | 6,950.00 | Brushy Canyon | | 0.000 | |
| 8,499.41 | 8,479.00 | Bone Spring | | 0.000 | |
| 11,871.05 | 11,826.00 | Wolfcamp | | 0.000 | |
| 12,799.84 | 12,748.00 | Strawn | | 0.000 | |
| 13,391.16 | 13,335.00 | Atoka | | 0.000 | |
| 15,049.29 | 14,981.00 | Morrow | | 0.000 | |
| 16,541.19 | 16,462.00 | Barnett | | 0.000 | |
| 16,805.12 | 16,724.00 | Osage | | 0.000 | |
| 17,269.72 | 17,186.00 | Woodford | | 0.000 | |
| 17,633.83 | 17,550.00 | Devonian | | 0.000 | |
| 18,036.83 | 17,953.00 | Wristen | | 0.000 | |
| 18,486.83 | 18,403.00 | Fusselman | | 0.000 | |

**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 5,400.00 | 5,400.00 | 0.00 | 0.00 | KOP, 1.50°/100' Build |
| 5,862.14 | 5,861.01 | -25.73 | 10.85 | Hold 6.93° Inc, 157.13° Azm |
| 17,021.69 | 16,938.99 | -1,266.73 | 534.28 | Begin 1.50°/100' Drop |
| 17,483.83 | 17,400.00 | -1,292.46 | 545.13 | Begin Vertical Hold |
| 18,733.83 | 18,650.00 | -1,292.46 | 545.13 | PBHL |

# APPENDIX B

## INFORMATION ON ALL WELLS WITHIN ONE AND TWO MILES OF THE SALT CREEK AGI #2 SURFACE AND PROPOSED NEW BOTTOM-HOLE LOCATION

(Wells previously identified in the original C-108 application that penetrate the same injection interval have been highlighted in the table; no plugging documents have been included in this amendment application)

| API | Well Name | Well Type | Well Status | Operator Name | Latitude (NAD83) | Longitude (NAD83) | Associated Pools | Vertical Depth | Plug Date | Distance from BHL (mi) |
|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-26134 | WILSON 21 FEDERAL #004 | Oil | Active | FULFER OIL & CATTLE LLC | 32.026 | -103.2754 | Tan-Yates-7Rivers-Qu | 3,575 | - | 0.059 |
| 30-025-26132 | WILSON 21 FEDERAL #002 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0224 | -103.2754 | Tan-Yates-7Rivers-Qu | 3,500 | - | 0.195 |
| 30-025-26133 | WILSON 21 FEDERAL #003 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0267 | -103.2728 | Tan-Yates-7Rivers-Qu | 3,797 | - | 0.204 |
| 30-025-51865 | SALT CREEK AGI #003 | Acid Gas Injection | New | Northwind Midstream Partners LLC | 32.0280 | -103.2777 | Delaware | 0 | - | 0.222 |
| 30-025-45984 | CAMELLIA FEDERAL COM 26 36 21 #091H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0223 | -103.2776 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.227 |
| 30-025-45897 | CAMELLIA FEDERAL COM 26 36 21 #121H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0223 | -103.2777 | Wolfcamp | 11,992 | - | 0.229 |
| 30-025-45982 | CAMELLIA FEDERAL COM 26 36 21 #081C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0223 | -103.2777 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.229 |
| 30-025-45837 | CAMELLIA FEDERAL COM 26 36 21 #111H | Oil | New | AMEREDEV OPERATING, LLC | 32.0223 | -103.2778 | Wolfcamp | 0 | - | 0.232 |
| 30-025-45918 | CAMELLIA FEDERAL COM 26 36 21 #101H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0223 | -103.2778 | Wolfcamp | 0 | - | 0.232 |
| 30-025-25957 | LEA 20 #001 | Salt Water Disposal | Plugged (not released) | CHANCE PROPERTIES COMPANY | 32.0242 | -103.2796 | Capitan | 3,420 | 6/11/2021 | 0.234 |
| 30-025-46746 | SALT CREEK AGI #001 | Acid Gas Injection | Plugged (site released) | Northwind Midstream Partners LLC | 32.0281 | -103.2780 | Delaware | 0 | 5/8/2023 | 0.239 |
| 30-025-09858 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0269 | -103.2722 | No Data | 3,940 | N/A | 0.241 |
| 30-025-26131 | WILSON 21 FEDERAL #001 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0224 | -103.2732 | Tan-Yates-7Rivers-Qu | 3,340 | - | 0.246 |
| 30-025-52105 | AZALEA 26 36 28 STATE COM #061H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2773 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.310 |
| 30-025-52112 | AZALEA 26 36 28 STATE COM #261H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2773 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.310 |
| 30-025-52107 | AZALEA 26 36 28 STATE COM #071H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2741 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.313 |
| 30-025-52109 | AZALEA 26 36 28 STATE COM #181H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2741 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.313 |
| 30-025-52096 | AZALEA 26 36 28 STATE COM #381H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.274 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.315 |
| 30-025-52093 | AZALEA 26 36 28 STATE COM #281H | Oil | New | AMEREDEV OPERATING, LLC | 32.0208 | -103.2773 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.316 |
| 30-025-09856 | PRE-ONGARD WELL #006 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0233 | -103.2807 | No Data | 1,247 | N/A | 0.317 |
| 30-025-44105 | AZALEA 26 36 28 STATE #121 | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2777 | Wolfcamp | 994 | - | 0.317 |
| 30-025-44229 | AZALEA 26 36 28 STATE #121Y | Oil | Active | AMEREDEV OPERATING, LLC | 32.0209 | -103.2778 | Wolfcamp | 12,434 | - | 0.319 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-44104 | AZALEA 26 36 28 STATE #111H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0209 | -103.2778 | Wolfcamp | 11,966 | - | 0.319 |
| 30-025-52106 | AZALEA 26 36 28 STATE COM #062H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2732 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.333 |
| 30-025-52091 | AZALEA 26 36 28 STATE COM #262H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2731 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.336 |
| 30-025-52094 | AZALEA 26 36 28 STATE COM #282H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.273 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.339 |
| 30-025-09857 | PRE-ONGARD WELL #006 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0224 | -103.2807 | No Data | 3,349 | N/A | 0.347 |
| 30-025-52097 | AZALEA 26 36 28 STATE COM #382H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2718 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.378 |
| 30-025-52110 | AZALEA 26 36 28 STATE COM #182H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2718 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.378 |
| 30-025-26056 | PRE-ONGARD WELL #009 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0197 | -103.2754 | No Data | 1,406 | N/A | 0.380 |
| 30-025-52108 | AZALEA 26 36 28 STATE COM #072H | Oil | New | AMEREDEV OPERATING, LLC | 32.0208 | -103.2718 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.383 |
| 30-025-26068 | LEA 7406 JV-S #009Y | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.0196 | -103.2754 | Tan-Yates-7Rivers-Qu | 3,270 | 9/21/2009 | 0.387 |
| 30-025-49931 | AZALEA 26 36 28 STATE COM #104H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2714 | Wolfcamp | 0 | - | 0.393 |
| 30-025-49932 | AZALEA 26 36 28 STATE COM #123H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2714 | Wolfcamp | 0 | - | 0.393 |
| 30-025-26718 | PRE-ONGARD WELL #006Y | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0313 | -103.2757 | Tan-Yates-7Rivers-Qu | 3,750 | N/A | 0.420 |
| 30-025-26136 | PRE-ONGARD WELL #006 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0313 | -103.2754 | No Data | 1,682 | N/A | 0.421 |
| 30-025-26135 | WILSON 21 FEDERAL #005 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0305 | -103.2722 | Tan-Yates-7Rivers-Qu | 3,800 | - | 0.421 |
| 30-025-45983 | CAMELLIA FEDERAL COM 26 36 21 #083H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0197 | -103.2723 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.431 |
| 30-025-45985 | CAMELLIA FEDERAL COM 26 36 21 #093H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0197 | -103.2722 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.434 |
| 30-025-45986 | CAMELLIA FEDERAL COM 26 36 21 #104H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0197 | -103.2721 | Wolfcamp | 0 | - | 0.437 |
| 30-025-45987 | CAMELLIA FEDERAL COM 26 36 21 #114H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0197 | -103.2721 | Wolfcamp | 0 | - | 0.437 |
| 30-025-45988 | CAMELLIA FEDERAL COM 26 36 21 #124H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0197 | -103.272 | Wolfcamp | 0 | - | 0.440 |
| 30-025-25930 | LEA 7406 JV-S #008 | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.019 | -103.2732 | Tan-Yates-7Rivers-Qu | 3,270 | 9/16/2009 | 0.454 |
| 30-025-27029 | LEA 21, 7406 JV-S #003 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0269 | -103.2679 | Tan-Yates-7Rivers-Qu | 3,574 | - | 0.478 |
| 30-025-27030 | PRE-ONGARD WELL #004 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0233 | -103.2679 | No Data | 1,060 | N/A | 0.481 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-49590 | AZALEA 26 36 28 STATE COM #125H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2692 | Wolfcamp | 0 | - | 0.488 |
| 30-025-27207 | LEA 21, 7406 JV-S #004Y | Oil | Active | FULFER OIL & CATTLE LLC | 32.0242 | -103.2668 | Tan-Yates-7Rivers-Qu | 3,550 | - | 0.532 |
| 30-025-51470 | AZALEA 26 36 28 STATE COM #183H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.268 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.541 |
| 30-025-51472 | AZALEA 26 36 28 STATE COM #263H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.268 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.541 |
| 30-025-51469 | AZALEA 26 36 28 STATE COM #073H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2679 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.546 |
| 30-025-51468 | AZALEA 26 36 28 STATE COM #063H | Oil | New | AMEREDEV OPERATING, LLC | 32.0206 | -103.2681 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.552 |
| 30-025-51473 | AZALEA 26 36 28 STATE COM #283H | Oil | New | AMEREDEV OPERATING, LLC | 32.0206 | -103.268 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.557 |
| 30-025-51471 | AZALEA 26 36 28 STATE COM #195H | Oil | New | AMEREDEV OPERATING, LLC | 32.0206 | -103.2679 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.561 |
| 30-025-51474 | AZALEA 26 36 28 STATE COM #383H | Oil | New | AMEREDEV OPERATING, LLC | 32.0206 | -103.2679 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.561 |
| 30-025-25920 | PRE-ONGARD WELL #007 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.017 | -103.2775 | Tan-Yates-7Rivers-Qu | 3,270 | N/A | 0.574 |
| 30-025-27028 | LEA 21, 7406 JV-S #002 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0306 | -103.2679 | Tan-Yates-7Rivers-Qu | 3,658 | - | 0.594 |
| 30-025-26138 | WILSON 21 FEDERAL #008 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0343 | -103.2754 | Tan-Yates-7Rivers-Qu | 3,700 | - | 0.627 |
| 30-025-26137 | WILSON 21 FEDERAL #007 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0342 | -103.2721 | Tan-Yates-7Rivers-Qu | 3,700 | - | 0.656 |
| 30-025-49933 | AZALEA 26 36 28 STATE COM #127H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2655 | Wolfcamp | 0 | - | 0.673 |
| 30-025-52134 | AZALEA 26 36 28 STATE COM #064H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2653 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.684 |
| 30-025-25909 | LEA 7406 JV-S #006 | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.0151 | -103.2732 | Tan-Yates-7Rivers-Qu | 3,250 | 9/11/2009 | 0.713 |
| 30-025-27197 | LEA 20 7426 JV-S #002 | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.0351 | -103.2796 | Tan-Yates-7Rivers-Qu | 3,670 | 12/22/1982 | 0.717 |
| 30-025-27042 | LEA 21, 7406 JV-S #007 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0269 | -103.2636 | Tan-Yates-7Rivers-Qu | 3,525 | - | 0.725 |
| 30-025-27043 | LEA 21, 7406 JV-S #008 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0233 | -103.2636 | Tan-Yates-7Rivers-Qu | 3,570 | - | 0.728 |
| 30-025-52092 | AZALEA 26 36 28 STATE COM #264H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2642 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.742 |
| 30-025-52095 | AZALEA 26 36 28 STATE COM #284H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2641 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.748 |
| 30-025-52098 | AZALEA 26 36 28 STATE COM #384H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.264 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.753 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-52111 | AZALEA 26 36 28 STATE COM #184H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.264 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.753 |
| 30-025-52150 | AZALEA 26 36 28 STATE COM #074H | Oil | New | AMEREDEV OPERATING, LLC | 32.0209 | -103.2639 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.758 |
| 30-025-27000 | LEA 21, 7406 JV-S #001 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0342 | -103.2679 | Tan-Yates-7Rivers-Qu | 3,668 | - | 0.774 |
| 30-025-44112 | WILDHOG BWX STATE COM #002H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0353 | -103.2819 | Wolfcamp | 12,008 | - | 0.782 |
| 30-025-44527 | CAMELLIA 26 36 16 STATE COM #101C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0366 | -103.2774 | Wolfcamp | 0 | - | 0.791 |
| 30-025-27041 | LEA 21, 7406 JV-S #006 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0306 | -103.2637 | Tan-Yates-7Rivers-Qu | 3,495 | - | 0.801 |
| 30-025-25841 | PRE-ONGARD WELL #002 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0151 | -103.269 | No Data | 284 | N/A | 0.802 |
| 30-025-26989 | PRE-ONGARD WELL #004C | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0197 | -103.2637 | No Data | 0 | - | 0.805 |
| 30-025-38885 | EAGLE FEATHER FEDERAL #002 | Gas | Active | AMEREDEV OPERATING, LLC | 32.0342 | -103.2668 | Strawn | 13,179 | - | 0.814 |
| 30-025-25890 | PRE-ONGARD WELL #005 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0133 | -103.2754 | Tan-Yates-7Rivers-Qu | 3,266 | N/A | 0.821 |
| 30-025-25911 | QUANAH PARKER #002Y | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0146 | -103.2689 | Tan-Yates-7Rivers-Qu | 3,258 | 8/25/2005 | 0.835 |
| 30-025-40170 | GOOD CHIEF STATE #001 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0206 | -103.2626 | Tan-Yates-7Rivers-Qu | 3,873 | 6/16/2018 | 0.837 |
| 30-025-26806 | MARALO 16 STATE #006Y | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0378 | -103.2761 | Tansill-Yates-7Rivers | 3,800 | 6/26/2018 | 0.868 |
| 30-025-09847 | MARALO SV 16 STATE #006 | Oil | Plugged (site released) | MARALO LLC | 32.0378 | -103.2765 | No Data | 11,492 | N/A | 0.869 |
| 30-025-26751 | MARALO 16 STATE #007 | Oil | Plugged (site released) | DRACO ENERGY, INCORPORATED | 32.0378 | -103.2722 | Tansill-Yates-7Rivers | 3,800 | 5/19/2003 | 0.893 |
| 30-025-44944 | MAGNOLIA 26 36 22 STATE COM #121C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2609 | Wolfcamp | 0 | - | 0.898 |
| 30-025-44942 | AMEN CORNER 26 36 27 STATE COM #121C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2608 | Wolfcamp | 0 | - | 0.904 |
| 30-025-51887 | AMEN CORNER 26 36 27 STATE COM #061H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2608 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.904 |
| 30-025-44472 | MAGNOLIA 26 36 22 STATE COM #101C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2607 | Wolfcamp | 0 | - | 0.910 |
| 30-025-44439 | MAGNOLIA 26 36 22 STATE COM #111C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2607 | Wolfcamp | 0 | - | 0.910 |
| 30-025-51676 | MAGNOLIA 26 36 22 STATE COM #061H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2607 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.910 |
| 30-025-44522 | WILDHOG BWX STATE COM #003C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0351 | -103.2861 | Wolfcamp | 0 | - | 0.911 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-26816 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0378 | -103.2807 | Tansill-Yates-7Rivers | 3,700 | N/A | 0.914 |
| 30-025-44202 | AMEN CORNER 26 36 27 STATE COM #111C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2606 | Wolfcamp | 0 | - | 0.915 |
| 30-025-51892 | AMEN CORNER 26 36 27 STATE COM #261H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2606 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.915 |
| 30-025-44943 | AMEN CORNER 26 36 27 STATE COM #091C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.2605 | Wolfcamp; Lwr Bone Spring | 0 | - | 0.921 |
| 30-025-51890 | AMEN CORNER 26 36 27 STATE COM #121H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2605 | Wolfcamp | 0 | - | 0.921 |
| 30-025-27031 | LEA 21, 7406 JV-S #005 | Oil | Active | FULFER OIL & CATTLE LLC | 32.0342 | -103.2637 | Tan-Yates-7Rivers-Qu | 3,660 | - | 0.942 |
| 30-025-26988 | PRE-ONGARD WELL #003 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0161 | -103.2637 | No Data | 0 | - | 0.947 |
| 30-025-27163 | AMERICAN EAGLE #001 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0233 | -103.2594 | Tan-Yates-7Rivers-Qu | 3,550 | 7/27/2005 | 0.971 |
| 30-025-26805 | MARALO 16 STATE #010 | Oil | Active | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0378 | -103.2679 | Tansill-Yates-7Rivers | 3,800 | - | 0.984 |
| 30-025-25829 | LEA 7406 JV-S #004 | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.0115 | -103.2711 | Tan-Yates-7Rivers-Qu | 3,268 | 9/8/2009 | 0.984 |
| 30-025-26847 | PRE-ONGARD WELL #006 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0378 | -103.285 | No Data | 0 | - | 1.022 |
| 30-025-25953 | NEW MEXICO CV STATE #001 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0115 | -103.269 | Tan-Yates-7Rivers-Qu | 3,239 | 12/23/2005 | 1.025 |
| 30-025-26987 | BUFFALO HUMP #002 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0197 | -103.2594 | Tan-Yates-7Rivers-Qu | 3,545 | 7/22/2005 | 1.034 |
| 30-025-51679 | MAGNOLIA 26 36 22 STATE COM #071H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2582 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.053 |
| 30-025-46204 | GREEN JACKET 26 36 29 FEDERAL COM #101H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0208 | -103.293 | Wolfcamp | 0 | - | 1.055 |
| 30-025-51683 | MAGNOLIA 26 36 22 STATE COM #181H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2581 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.059 |
| 30-025-42733 | WILDHOG BWX STATE COM #001H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0355 | -103.2892 | Wolfcamp; Lwr Bone Spring | 12,517 | - | 1.059 |
| 30-025-46205 | GREEN JACKET 26 36 29 FEDERAL COM #111H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0208 | -103.2931 | Wolfcamp | 0 | - | 1.060 |
| 30-025-51889 | AMEN CORNER 26 36 27 STATE COM #071H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.258 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.065 |
| 30-025-46206 | GREEN JACKET 26 36 29 FEDERAL COM #121H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0208 | -103.2932 | Wolfcamp | 0 | - | 1.066 |
| 30-025-51891 | AMEN CORNER 26 36 27 STATE COM #181H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2579 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.070 |
| 30-025-26753 | MARALO 16 STATE #009 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0415 | -103.2765 | Tansill-Yates-7Rivers | 3,800 | 6/21/2018 | 1.123 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-51938 | PINE STRAW 25 36 05 FEDERAL COM #102H | Oil | New | AMEREDEV OPERATING, LLC | 32.0166 | -103.2922 | Wolfcamp | 0 | - | 1.131 |
| 30-025-26752 | MARALO 16 STATE #008 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0415 | -103.2722 | Tansill-Yates-7Rivers | 3,750 | 7/3/2018 | 1.142 |
| 30-025-26023 | PRE-ONGARD WELL #003 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0115 | -103.2647 | No Data | 0 | - | 1.147 |
| 30-025-26877 | BUFFALO HUMP #001 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0159 | -103.2594 | Tan-Yates-7Rivers-Qu | 3,585 | 7/20/2005 | 1.156 |
| 30-025-51677 | MAGNOLIA 26 36 22 STATE COM #062H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2564 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.157 |
| 30-025-27106 | PRE-ONGARD WELL #001 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0415 | -103.2807 | No Data | 0 | - | 1.159 |
| 30-025-26815 | PRE-ONGARD WELL #002 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0415 | -103.2807 | Tansill-Yates-7Rivers | 3,700 | N/A | 1.159 |
| 30-025-52136 | AMEN CORNER 26 36 27 STATE COM #062H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2562 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.168 |
| 30-025-27027 | PRE-ONGARD WELL #009 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0378 | -103.2892 | No Data | 0 | - | 1.171 |
| 30-025-52126 | AMEN CORNER 26 36 27 STATE COM #123H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2561 | Wolfcamp | 0 | - | 1.174 |
| 30-025-52132 | AMEN CORNER 26 36 27 STATE COM #262H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.2561 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.174 |
| 30-025-51680 | MAGNOLIA 26 36 22 STATE COM #072H | Oil | New | AMEREDEV OPERATING, LLC | 32.0233 | -103.2558 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.181 |
| 30-025-51895 | MAGNOLIA 26 36 22 STATE COM #182H | Oil | New | AMEREDEV OPERATING, LLC | 32.0233 | -103.2557 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.187 |
| 30-025-38272 | EAGLE FEATHER STATE #001 | Gas | Cancelled | COG OPERATING LLC | 32.0406 | -103.2667 | Strawn | 0 | - | 1.187 |
| 30-025-25784 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0079 | -103.2754 | No Data | 887 | N/A | 1.193 |
| 30-025-09848 | MARALO 16 STATE #005 | Oil | Plugged (site released) | DRACO ENERGY, INCORPORATED | 32.0415 | -103.2679 | Tansill-Yates-7Rivers | 4,149 | 5/22/2003 | 1.214 |
| 30-025-25702 | LEA 7406 JV-S #002 | Oil | Plugged (site released) | BTA OIL PRODUCERS | 32.0079 | -103.2711 | Tan-Yates-7Rivers-Qu | 3,349 | 9/1/2009 | 1.224 |
| 30-025-26846 | PRE-ONGARD WELL #005 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0415 | -103.285 | No Data | 0 | - | 1.246 |
| 30-025-25778 | QUANAH PARKER #001 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0079 | -103.269 | Tan-Yates-7Rivers-Qu | 99,999 | 8/23/2005 | 1.257 |
| 30-025-27094 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0197 | -103.2546 | No Data | 3,608 | N/A | 1.300 |
| 30-025-27129 | BUFFALO HUMP #008 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0124 | -103.2594 | Tan-Yates-7Rivers-Qu | 3,606 | 7/20/2005 | 1.305 |
| 30-025-27053 | PRE-ONGARD WELL #012 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0373 | -103.2932 | No Data | 0 | - | 1.318 |
| 30-025-25923 | PRE-ONGARD WELL #004 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0061 | -103.2711 | No Data | 748 | N/A | 1.345 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30-025-26557 | PAWNEE DEEP UNIT #001 | Oil | Plugged (site released) | HERITAGE RESOURCES, INC. | 32.0315 | -103.2541 | Strawn; Wolfcamp; Delaware; Bone Spring | 18,577 | 5/27/2014 | 1.345 |
| 30-025-09849 | PRE-ONGARD WELL #007 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0378 | -103.2935 | No Data | 3,471 | N/A | 1.354 |
| 30-025-25954 | PRE-ONGARD WELL #004Y | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0059 | -103.2711 | No Data | 749 | N/A | 1.358 |
| 30-025-49277 | PRIZEHOG B FEDERAL STATE COM #001H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0224 | -103.2987 | Wolfcamp | 0 | - | 1.358 |
| 30-025-26048 | NEW MEXICO CV STATE #002 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0079 | -103.2647 | Tan-Yates-7Rivers-Qu | 3,400 | 11/20/2004 | 1.358 |
| 30-025-27002 | PRE-ONGARD WELL #008 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0415 | -103.289 | No Data | 0 | - | 1.364 |
| 30-025-23197 | SOUTH LEA FEDERAL #001 | Gas | Plugged (site released) | ENERGEN RESOURCES CORPORATION | 32.0415 | -103.2892 | Devonian; Strawn | 21,252 | 6/17/2015 | 1.371 |
| 30-025-26644 | MARALO 16 STATE #002 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0451 | -103.2765 | Tansill-Yates-7Rivers | 3,770 | 6/19/2018 | 1.371 |
| 30-025-27173 | PRE-ONGARD WELL #004 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0155 | -103.2551 | No Data | 0 | - | 1.386 |
| 30-025-26646 | MARALO 16 STATE #004 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0451 | -103.2722 | Tansill-Yates-7Rivers | 3,780 | 6/30/2018 | 1.387 |
| 30-025-26814 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.2807 | Tansill-Yates-7Rivers | 3,800 | N/A | 1.401 |
| 30-025-44810 | MAGNOLIA 26 36 22 STATE COM #125H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0226 | -103.2521 | Wolfcamp | 11,449 | - | 1.402 |
| 30-025-44653 | MAGNOLIA 26 36 22 STATE COM #105C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.021 | -103.2522 | Wolfcamp | 0 | - | 1.415 |
| 30-025-52129 | AMEN CORNER 26 36 27 STATE COM #182H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2522 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.415 |
| 30-025-52148 | AMEN CORNER 26 36 27 STATE COM #072H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2522 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.415 |
| 30-025-44652 | AMEN CORNER 26 36 27 STATE COM #125C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.021 | -103.2521 | Wolfcamp | 0 | - | 1.420 |
| 30-025-52127 | AMEN CORNER 26 36 27 STATE COM #125H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2521 | Wolfcamp | 0 | - | 1.420 |
| 30-025-52135 | AMEN CORNER 26 36 27 STATE COM #263H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2521 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.420 |
| 30-025-44654 | MAGNOLIA 26 36 22 STATE COM #115C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0203 | -103.2522 | Wolfcamp | 0 | - | 1.425 |
| 30-025-51894 | MAGNOLIA 26 36 22 STATE COM #063H | Oil | New | AMEREDEV OPERATING, LLC | 32.0226 | -103.2517 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.425 |
| 30-025-44651 | AMEN CORNER 26 36 27 STATE COM #115C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.021 | -103.252 | Wolfcamp | 0 | - | 1.426 |
| 30-025-44809 | AMEN CORNER 26 36 27 STATE COM #105C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.021 | -103.252 | Wolfcamp | 0 | - | 1.426 |

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| 30-025-52153 | AMEN CORNER 26 36 27 STATE COM #063H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.252 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.426 |
| 30-025-40457 | MEDICINE MAN STATE #001 | Oil | Cancelled | RMR OPERATING, LLC | 32.046 | -103.2754 | Tansill-Yates-7Rivers | 0 | - | 1.433 |
| 30-025-25907 | HORSEBACK #003 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0049 | -103.2687 | Tan-Yates-7Rivers-Qu | 3,255 | 12/20/2005 | 1.460 |
| 30-025-26044 | HORSEBACK #007 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0043 | -103.2711 | Tan-Yates-7Rivers-Qu | 99,999 | 12/21/2005 | 1.466 |
| 30-025-26045 | PRE-ONGARD WELL #008 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0043 | -103.2711 | No Data | 0 | - | 1.466 |
| 30-025-26984 | PRE-ONGARD WELL #004Z | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.2847 | No Data | 3,603 | N/A | 1.467 |
| 30-025-26960 | PRE-ONGARD WELL #004Y | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.2848 | No Data | 1,331 | N/A | 1.469 |
| 30-025-26845 | PRE-ONGARD WELL #004 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.285 | No Data | 1,950 | N/A | 1.473 |
| 30-025-44111 | PRIZEHOG BWZ STATE COM #002H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0338 | -103.2989 | Wolfcamp | 12,366 | - | 1.480 |
| 30-025-27174 | PRE-ONGARD WELL #007 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0088 | -103.2594 | No Data | 0 | - | 1.484 |
| 30-025-27127 | BUFFALO HUMP #005 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0124 | -103.2551 | Tan-Yates-7Rivers-Qu | 3,554 | 7/25/2005 | 1.501 |
| 30-025-40169 | BIG BRAVE STATE #001 | Oil | Plugged (not released) | NORTHERN PACIFIC OIL AND GAS INCORPORATED | 32.0061 | -103.2626 | Tan-Yates-7Rivers-Qu | 999 | 6/13/2018 | 1.527 |
| 30-025-27040 | PRE-ONGARD WELL #011 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0415 | -103.2935 | No Data | 0 | - | 1.530 |
| 30-025-26985 | PRE-ONGARD WELL #007 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.2892 | No Data | 0 | - | 1.581 |
| 30-025-25925 | HORSEBACK #006 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0043 | -103.2647 | Tan-Yates-7Rivers-Qu | 99,999 | 12/15/2005 | 1.581 |
| 30-025-25354 | HORSE BACK #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0031 | -103.2679 | No Data | 21,750 | N/A | 1.592 |
| 30-025-26546 | MARALO 16 STATE #001 | Oil | Plugged (not released) | RMR OPERATING, LLC | 32.0487 | -103.2765 | Tansill-Yates-7Rivers | 3,800 | 9/5/2012 | 1.619 |
| 30-025-26922 | MARALO 16 STATE #003Y | Oil | Plugged (site released) | DRACO ENERGY, INCORPORATED | 32.0486 | -103.2722 | Tansill-Yates-7Rivers | 3,800 | 5/30/2003 | 1.626 |
| 30-025-26645 | MARALO SV 16 STATE #003 | Oil | Plugged (site released) | MARALO LLC | 32.0487 | -103.2722 | No Data | 1,576 | N/A | 1.632 |
| 30-025-27288 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0487 | -103.2807 | No Data | 2,879 | N/A | 1.644 |
| 30-025-52130 | AMEN CORNER 26 36 27 STATE COM #183H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.248 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.645 |
| 30-025-52149 | AMEN CORNER 26 36 27 STATE COM #073H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2479 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.651 |
| 30-025-51896 | MAGNOLIA 26 36 22 STATE COM #183H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2479 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.651 |

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| 30-025-25662 | HORSEBACK #002 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0022 | -103.2679 | Tan-Yates-7Rivers-Qu | 99,999 | 12/13/2005 | 1.651 |
| 30-025-51681 | MAGNOLIA 26 36 22 STATE COM #073H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2478 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.657 |
| 30-025-27128 | BUFFALO HUMP #006 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0088 | -103.2551 | Tan-Yates-7Rivers-Qu | 3,564 | 7/22/2005 | 1.659 |
| 30-025-51678 | MAGNOLIA 26 36 22 STATE COM #064H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2477 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.663 |
| 30-025-51888 | AMEN CORNER 26 36 27 STATE COM #064H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2477 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.663 |
| 30-025-52128 | AMEN CORNER 26 36 27 STATE COM #127H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2476 | Wolfcamp | 0 | - | 1.669 |
| 30-025-51893 | AMEN CORNER 26 36 27 STATE COM #264H | Oil | New | AMEREDEV OPERATING, LLC | 32.0221 | -103.2476 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.669 |
| 30-025-26979 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0052 | -103.2594 | Tan-Yates-7Rivers-Qu | 3,624 | N/A | 1.681 |
| 30-025-27039 | PRE-ONGARD WELL #010 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0451 | -103.2935 | No Data | 0 | - | 1.720 |
| 49534294 | NORTH ELBERT 1819-C23 C #1H | Gas | Cancelled | FELIX ENERGY HOLDINGS II LLC | 32.00042 | -103.281661 | No Data | 0 | | 1.74 |
| 30-025-44521 | PRIZEHOG BWZ STATE COM #003C | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0353 | -103.3031 | Wolfcamp | 0 | - | 1.747 |
| 30-025-44287 | BOSSHOG #001C | Oil | Cancelled | Impetro Operating LLC | 32.0077 | -103.2541 | Wolfcamp | 0 | - | 1.754 |
| 30-025-25924 | HORSEBACK #005 | Oil | Plugged (site released) | WHITING OIL AND GAS CORPORATION | 32.0012 | -103.2647 | Tan-Yates-7Rivers-Qu | 99,999 | 12/8/2005 | 1.777 |
| 49534293 | NORTH ELBERT 1819-C23 B #1H | Gas | Cancelled | FELIX ENERGY HOLDINGS II LLC | 32.00042 | -103.284609 | No Data | 0 | | 1.78 |
| 49534292 | NORTH ELBERT 1819-C23 A #1H | Gas | Cancelled | FELIX ENERGY HOLDINGS II LLC | 32.00041 | -103.285343 | No Data | 0 | | 1.798 |
| 30-025-51682 | MAGNOLIA 26 36 22 STATE COM #074H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2455 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.801 |
| 30-025-51897 | MAGNOLIA 26 36 22 STATE COM #184H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2455 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.801 |
| 49534207 | ANTELOPE #1H | Oil | New | IMPETRO OPERATING LLC | 32.00004 | -103.267037 | No Data | 0 | | 1.81 |
| 30-025-52125 | AMEN CORNER 26 36 27 STATE COM #074H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2453 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.813 |
| 30-025-52131 | AMEN CORNER 26 36 27 STATE COM #184H | Oil | New | AMEREDEV OPERATING, LLC | 32.021 | -103.2453 | Wolfcamp; Lwr Bone Spring | 0 | - | 1.813 |
| 49534034 | ANTELOPE #1H | Gas | Active | AMEREDEV OPERATING LLC | 32.00002 | -103.265927 | Bone Spring | 11131 | | 1.83 |
| 30-025-27159 | PRE-ONGARD WELL #002 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0052 | -103.2551 | No Data | 0 | - | 1.837 |
| 30-025-27201 | PRE-ONGARD WELL #001 | Oil | Cancelled | PRE-ONGARD WELL OPERATOR | 32.0088 | -103.2509 | No Data | 0 | - | 1.847 |
| 49531133 | COMANCHE UNIT #2 | Oil | Plugged | WHITING OIL AND GAS CORPORATION | 31.99936 | -103.266367 | Capitan | 3215 | 8/18/2005 | 1.86 |

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| 30-025-26258 | PRE-ONGARD WELL #002 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0523 | -103.2765 | Tansill-Yates-7Rivers | 3,800 | N/A | 1.867 |
| 30-025-26259 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0523 | -103.2722 | Tansill-Yates-7Rivers | 3,684 | N/A | 1.879 |
| 49534256 | GRIZZLY #2H | Gas | Active | AMEREDEV OPERATING LLC | 32.00007 | -103.288462 | Wolfcamp | 12500 | | 1.88 |
| 49534738 | GRIZZLY B C23-21 #103H | Oil | New | AMEREDEV OPERATING LLC | 32.00017 | -103.289497 | No Data | 0 | | 1.903 |
| 30-025-49275 | PRIZEHOG A FEDERAL STATE COM #001H | Oil | Cancelled | AMEREDEV OPERATING, LLC | 32.0222 | -103.3083 | Wolfcamp | 0 | - | 1.919 |
| 30-025-26717 | PRE-ONGARD WELL #006 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0523 | -103.2679 | Tansill-Yates-7Rivers | 3,650 | N/A | 1.923 |
| 30-025-49276 | PRIZEHOG A FEDERAL STATE COM #002H | Oil | New | AMEREDEV OPERATING, LLC | 32.0222 | -103.3084 | Wolfcamp | 0 | - | 1.925 |
| 30-025-09843 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0523 | -103.285 | No Data | 5,500 | N/A | 1.943 |
| 30-025-46665 | HOLLY 26 36 05 FEDERAL COM #104H | Oil | New | AMEREDEV OPERATING, LLC | 32.0507 | -103.2902 | Wolfcamp | 0 | - | 1.949 |
| 30-025-32053 | BEARTOOTH STATE UNIT #001 | Oil | Plugged (site released) | EOG Y RESOURCES, INC. | 32.0233 | -103.2424 | Wildcat | 7,725 | 8/21/1993 | 1.964 |
| 30-025-26253 | PRE-ONGARD WELL #007 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0529 | -103.2844 | Tansill-Yates-7Rivers | 3,700 | N/A | 1.974 |
| 30-025-42744 | PRIZEHOG BWZ STATE COM #001H | Oil | Active | AMEREDEV OPERATING, LLC | 32.0351 | -103.3074 | Wolfcamp; Lwr Bone Spring | 12,778 | - | 1.976 |
| 30-025-22401 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0197 | -103.2424 | No Data | 3,502 | N/A | 1.996 |
| 30-025-26254 | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.056 | -103.2765 | Tansill-Yates-7Rivers | 3,730 | N/A | 2.122 |
| 30-025-26260 | PRE-ONGARD WELL #004 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.056 | -103.2722 | Tansill-Yates-7Rivers | 3,700 | N/A | 2.132 |
| 30-025-26249 | PRE-ONGARD WELL #003 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.056 | -103.2807 | Tansill-Yates-7Rivers | 3,795 | N/A | 2.141 |
| 30-025-09842 | PRE-ONGARD WELL #008 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0532 | -103.2925 | No Data | 3,348 | N/A | 2.164 |
| 30-025-26716 | PRE-ONGARD WELL #005 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.056 | -103.2679 | Tansill-Yates-7Rivers | 3,700 | N/A | 2.172 |
| 30-025-24719 | DOGIE DRAW FEDERAL #001 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.056 | -103.285 | No Data | 20,971 | N/A | 2.189 |
| 30-025-26251 | PRE-ONGARD WELL #005 | Oil | Plugged (site released) | PRE-ONGARD WELL OPERATOR | 32.0564 | -103.2844 | Tansill-Yates-7Rivers | 3,700 | N/A | 2.208 |

# APPENDIX C

SUMMARY OF ALL INTERESTED PARTIES IDENTIFIED AND NOTIFIED OF THE C-108 AMENDMENT APPLICATION, COPIES OF NOTIFICATION LETTERS, AND ASSOCIATED PROOF OF DELIVERY DOCUMENTS

**Parties to be Notified:**

**Active Operators & Lessees** within 1-mile AOR:

AMEREDEV OPERATING, LLC
2901 Via Fortuna, Suite 600
Austin, TX 78746
(737) 300-4700

FULFER OIL & CATTLE, LLC
101 E Panther Ave
Jal, NM 88252
(505) 395-9970

NORTHERN PACIFIC OIL AND GAS INCORPORATED
150 S. Rodeo Drive, 250
Beverly Hills, CA 90210
(505) 738-3809

BUREAU OF LAND MANAGEMENT
301 Dinosaur Trail
Santa Fe, NM 87508
(505) 954-2000

**Surface Owners:**

STATE OF NEW MEXICO
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148
(505) 827-5760

HYDROSOURCE LOGISTICS
600 N Marienfeld Street, Suite 800
Midland, TX 79701

AMEREDEV OPERATING, LLC
2901 Via Fortuna, Suite 600
Austin, TX 78746
(737) 300-4700

GEOLEX®
INCORPORATED

David A. White, P.G.

June 5, 2024 VIA FEDERAL EXPRESS

Ameredev Operating, LLC
2901 Via Fortuna, Suite 600
Austin, TX 78746

RE: NORTHWIND MIDSTREAM PARTNERS, LLC – REQUEST TO AMEND NMOCD ADMINISTRATIVE ORDER SWD-2580

This letter is to advise you that Northwind Midstream Partners, LLC (Northwind) intends to file the enclosed complete C-108 amendment application with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to modify the approved Salt Creek AGI #2 well construction plan and drill the well as a deviated well to a new bottomhole location approximately 1,400 feet southeast of the current permitted location. The NMOCD originally approved operation of the Salt Creek AGI #2 well, on January 24, 2024, through issuance of Administrative Order SWD-2580. The Salt Creek AGI #2 well will be located on surface land comprising Northwind's Titan gas-treatment facility in Lea County, New Mexico, and is intended to provide a redundant well option for existing acid gas injection activities and increase the total sour gas treatment capacity at the Titan Facility.

Specifically, Northwind seeks approval to drill Salt Creek AGI #2 as a deviated wellbore from surface location geographic coordinates of 32.029128, -103.277598 (NAD) to bottomhole geographic coordinates of 32.025561, -103.275880 (NAD83). The proposed new bottomhole location is approximately 1,400 feet southeast of the currently approved well location in Section 21, Township 26 South, Range 36 East (Lea County, NM).

In accordance with application requirements of the New Mexico Oil Conservation Division (Form C-108 Section XIV), you are being provided this notice and a copy of the complete application as you are an interested party within one (1) mile of the Salt Creek AGI #2 well. Interested parties must file any objections or requests for hearing of administrative applications within fifteen (15) days from the date in which this application was mailed to them. These requests should be submitted to the New Mexico Oil Conservation Division; 1220 South St. Francis Drive; Santa Fe, New Mexico 87505.

If you have any questions concerning this application, you may contact David A. White at Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102; (505) 842-8000.

Sincerely,
Geolex, Inc.®

David A. White, P.G.
Vice President
Consultant to Northwind Midstream

Enclosure: Complete C-108 Amendment Application (Salt Creek AGI #2)

P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\Ameredev_Notice (June 2024).docx

GEOLEX®
INCORPORATED

David A. White, P.G.

June 5, 2024 VIA FEDERAL EXPRESS

Fulfer Oil and Cattle, LLC
101 E Panther Avenue
Jal, NM 88252

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Sincerely,
Geolex, Inc.®

David A. White, P.G.
Vice President
Consultant to Northwind Midstream

Enclosure: Complete C-108 Amendment Application (Salt Creek AGI #2)

P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\Fulfer_Notice (June 2024).docx

phone: 505-842-8000 • 500 Marquette Avenue NW, Suite 1350 Albuquerque, New Mexico 87102 web: www.geolex.com • email: dwhite@geolex.com

GEOLEX®
INCORPORATED

David A. White, P.G.

June 5, 2024 VIA FEDERAL EXPRESS

Northern Pacific Oil & Gas, Inc.
150 S. Rodeo Drive, 250
Beverly Hills, CA 90210

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Vice President
Consultant to Northwind Midstream

Enclosure: Complete C-108 Amendment Application (Salt Creek AGI #2)

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phone: 505-842-8000 • 500 Marquette Avenue NW, Suite 1350 Albuquerque, New Mexico 87102 web: www.geolex.com • email: dwhite@geolex.com

GEOLEX®
INCORPORATED

David A. White, P.G.

June 5, 2024 VIA FEDERAL EXPRESS

Bureau of Land Management
301 Dinosaur Trail
Santa Fe, NM 87508

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David A. White, P.G.
Vice President
Consultant to Northwind Midstream

Enclosure: Complete C-108 Amendment Application (Salt Creek AGI #2)

P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\BLM_Notice (June 2024).docx

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INCORPORATED

David A. White, P.G.

June 5, 2024

VIA FEDERAL EXPRESS

State of New Mexico
ATTN: Allison Marks
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

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Vice President
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P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\SLO_Notice (June 2024).docx

GEOLEX®
INCORPORATED

David A. White, P.G.

June 5, 2024 VIA FEDERAL EXPRESS

Hydrosource Logistics
600 N Marienfeld Street, Suite 800
Midland, TX 79701

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Vice President
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P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\Hydrosource_Notice (June 2024).docx

June 07, 2024

Dear Customer:

Proof-of-delivery letters are being provided for the following shipments:

| | |
|---|---|
| **776719959898** | AUSTIN, TX |
| **776720146742** | SANTA FE, NM |
| **776720233436** | JAL, NM |
| **776720491490** | BEVERLY HILLS, CA |
| **776720728154** | SANTA FE, NM |
| **776720409301** | MIDLAND, TX |

You may save or print this Batch Signature Proof of Delivery file for your records.

Thank You For Choosing Fedex.

FedEx

1.800.GoFedEx 1.800.463.3339

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776719959898

**Delivery Information:**

| | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Receptionist/Front Desk |
| **Signed for by:** | N.JUAREZ | **Delivery Location:** | 2901 VIA FORTUNA |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | AUSTIN, TX, 78746 |
| | | **Delivery date:** | Jun 6, 2024 08:56 |

**Shipping Information:**

| | | | |
|---|---|---|---|
| **Tracking number:** | 776719959898 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Ameredev Operating LLC,
2901 Via Fortuna
Suite 600
AUSTIN, TX, US, 78746

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025

Thank you for choosing FedEx

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776720146742

**Delivery Information:**

| | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Shipping/Receiving |
| **Signed for by:** | R.DURAN | **Delivery Location:** | 301 DINOSAUR TRL |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | SANTA FE, NM, 87508 |
| | | **Delivery date:** | Jun 6, 2024 11:41 |

**Shipping Information:**

| | | | |
|---|---|---|---|
| **Tracking number:** | 776720146742 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Bureau of Land Management,
301 Dinosaur Trail
SANTA FE, NM, US, 87508

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025

Thank you for choosing FedEx

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776720233436

**Delivery Information:**

| | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Receptionist/Front Desk |
| **Signed for by:** | J.EDWARDS | **Delivery Location:** | 101 E PANTHER AVE |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | JAL, NM, 88252 |
| | | **Delivery date:** | Jun 6, 2024 13:10 |

**Shipping Information:**

| | | | |
|---|---|---|---|
| **Tracking number:** | 776720233436 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Fulfer Oil & Cattle Inc.,
101 E Panther Avenue
JAL, NM, US, 88252

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025

Thank you for choosing FedEx

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776720491490

**Delivery Information:**

| | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Guard/Security Station |
| **Signed for by:** | J.MUNCHIN | **Delivery Location:** | 150 S RODEO DR 250 |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | BEVERLY HILLS, CA, 90210 |
| | | **Delivery date:** | Jun 6, 2024 09:30 |

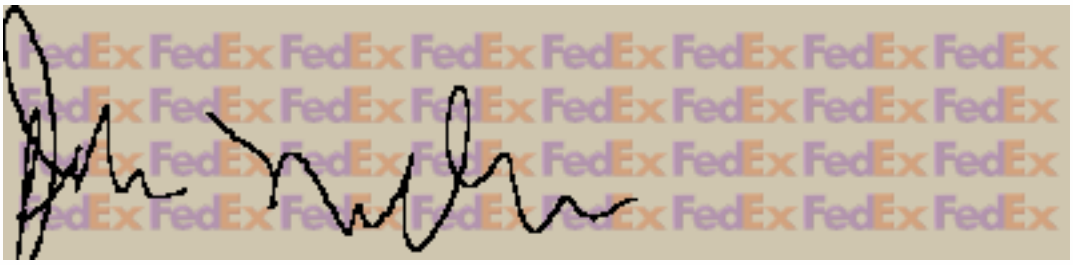
**Shipping Information:**

| | | | |
|---|---|---|---|
| **Tracking number:** | 776720491490 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Northern Pacific Oil & Gas,
150 S Rodeo Drive
250
BEVERLY HILLS, CA, US, 90210

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025



Thank you for choosing FedEx

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776720728154

**Delivery Information:**

| | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Shipping/Receiving |
| **Signed for by:** | S.SANCHEZ | **Delivery Location:** | 310 OLD SANTA FE TRL |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | SANTA FE, NM, 87504 |
| | | **Delivery date:** | Jun 6, 2024 09:49 |

**Shipping Information:**

| | | | |
|---|---|---|---|
| **Tracking number:** | 776720728154 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Allison Marks, State of NM
310 Old Santa Fe Trail
SANTA FE, NM, US, 87504

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025

Thank you for choosing FedEx

June 07, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776720409301

| **Delivery Information:** | | | |
|---|---|---|---|
| **Status:** | Delivered | **Delivered To:** | Receptionist/Front Desk |
| **Signed for by:** | R.MONROE | **Delivery Location:** | 600 N MARIENFELD ST 800 |
| **Service type:** | FedEx Priority Overnight | | |
| **Special Handling:** | Deliver Weekday | | MIDLAND, TX, 79701 |
| | | **Delivery date:** | Jun 6, 2024 10:37 |

| **Shipping Information:** | | | |
|---|---|---|---|
| **Tracking number:** | 776720409301 | **Ship Date:** | Jun 5, 2024 |
| | | **Weight:** | 0.5 LB/0.23 KG |

**Recipient:**
Hydrosource Logistics,
600 N Marienfeld St
Suite 800
MIDLAND, TX, US, 79701

**Shipper:**
Alberto Gutierrez,
500 Marquette Ave NW
Suite #1350
Albuquerque, NM, US, 87102

**Reference** 23-025

Thank you for choosing FedEx

**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 364928

## CONDITIONS

| | |
|---|---|
| Operator:<br>Northwind Midstream Partners LLC<br>811 Louisiana St<br>Houston, TX 77002 | OGRID:<br>331501 |
| | Action Number:<br>364928 |
| | Action Type:<br>[IM-SD] Admin Order Support Doc (ENG) (IM-AAO) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| mgebremichael | None | 7/17/2024 |