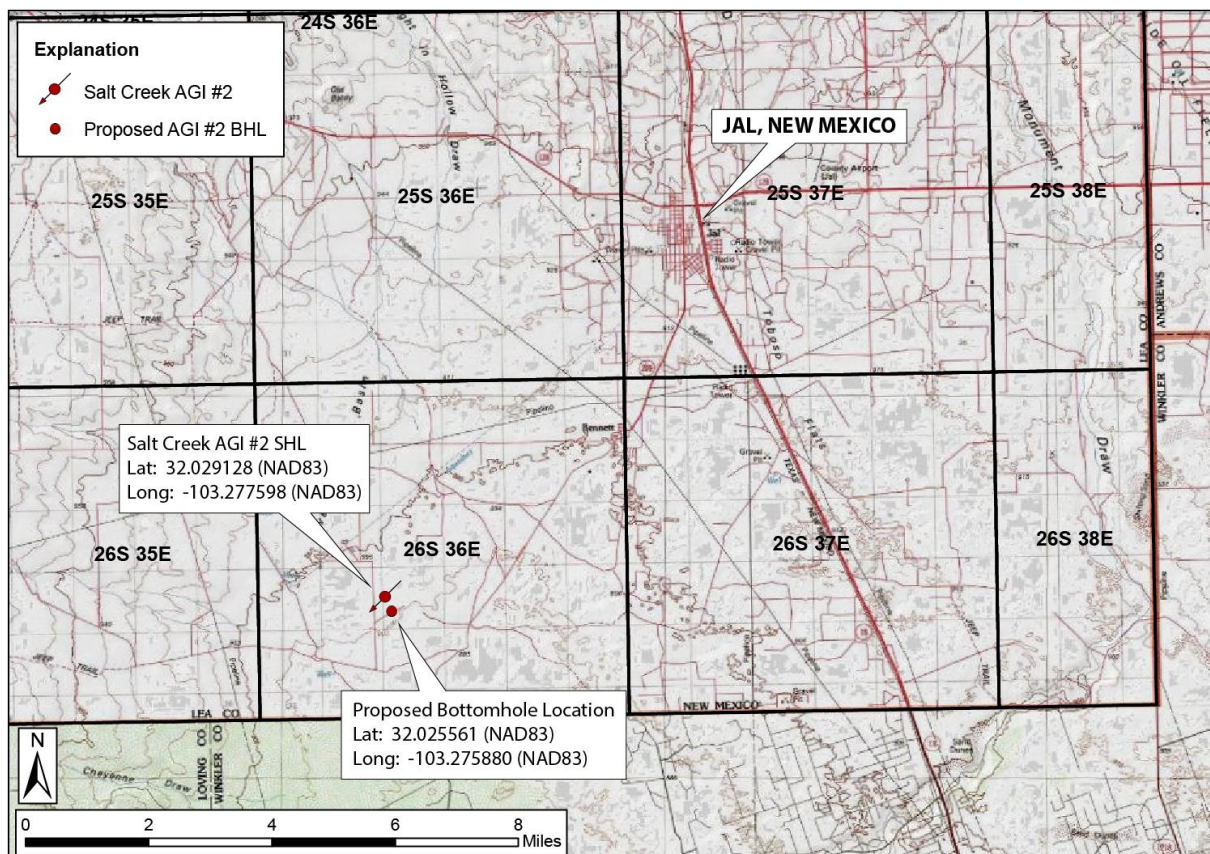




# APPLICATION TO AMEND EXISTING UIC CLASS II INJECTION WELL PERMIT

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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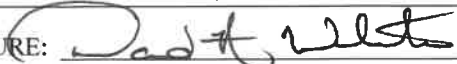


STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL  
RESOURCES DEPARTMENT

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



## 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<sub>2</sub>S) and carbon dioxide (CO<sub>2</sub>) 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 TREATMENT 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<sub>2</sub> and H<sub>2</sub>S, 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 3<sup>rd</sup>-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
1 <sup>st</sup> Int.	22	20	133	J55	BTC	0	1922	1922
1 <sup>st</sup> Int.	22	20	133	P110	Liberty LD	1922	3700	1778
2 <sup>nd</sup> Int.	17.5	13.625	88.2	Q125HC	BTC	0	5325	5325
3 <sup>rd</sup> Int.	12.25	9.625	47	L80HC	BTC	0	9368	9368
3 <sup>rd</sup> 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 Tail: HalCem	Lead: 1165 Tail: 335	Lead: 13.5 Tail: 14.8	0-2080'
1 <sup>st</sup> Intermediate	1	Lead: EconoCem HLC Tail: HalCem C	Lead: 1110 Tail: 320	Lead: 12.9 Tail: 14.8	0-3700'
2 <sup>nd</sup> Intermediate	1	Lead: EconoCem Tail: HalCem	Lead: 600 Tail: 375	Lead: 12.5 Tail: 14.8	0-5325'
2 <sup>nd</sup> Intermediate	2	Lead: NeoCem Tail: HalCem	Lead: 604 bbl Tail: 100	Lead: 11.0 Tail: 14.8	0-5325'
3 <sup>rd</sup> Intermediate	1	NeoCem NeoCem	313 bbls 38.2 bbls	11.0 13.2	0-11928'
3 <sup>rd</sup> Intermediate	2	WellLock Resin	80.3 bbls	12.0	0-11928'
3 <sup>rd</sup> Intermediate	3	Lead: NeoCem Tail: NeoCem	Lead: 317 bbl Tail: 25.5 bbl	Lead: 11.0 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 addition 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
<i>Stress</i>				
Vertical Stress Gradient	1.05	0.105	psi ft <sup>-1</sup>	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 <sup>-1</sup>	Lund Snee & Zoback, 2018
A <sub>φ</sub> Parameter	0.6	0.06	-	Lund Snee & Zoback, 2018
Reference Friction Coefficient (μ)	0.6	0.06	-	Standard Value
<i>Hydrologic</i>				
Aquifer Thickness	500	100	ft	Nearby well evaluation
Porosity	3	0.32	%	Nearby well evaluation
Permeability	10	1	mD	Nearby well evaluation
<i>Material properties</i>				
Density (Water)	1040	20	kg m <sup>-3</sup>	Standard Value
Dynamic Viscosity (Water)	0.0008	0.0001	Pa.s	Standard Value
Fluid Compressibility (water)	3.6 x 10 <sup>-10</sup>	0	Pa <sup>-1</sup>	Standard Value
Rock Compressibility	1.08 x 10 <sup>-9</sup>	0	Pa <sup>-1</sup>	Standard Value
<i>Acid gas @ 236 °F, 7,837 psi</i>				
Density	818.18	-	kg m <sup>-3</sup>	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.

<b>Fault #</b>	<b><math>\Delta</math> Pressure necessary to induce fault slip</b>	<b>Actual <math>\Delta</math> Pressure at fault midpoint at year 2055</b>	<b>Fault Slip Potential at year 2055</b>
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 penetrate 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 Hydrosources 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.



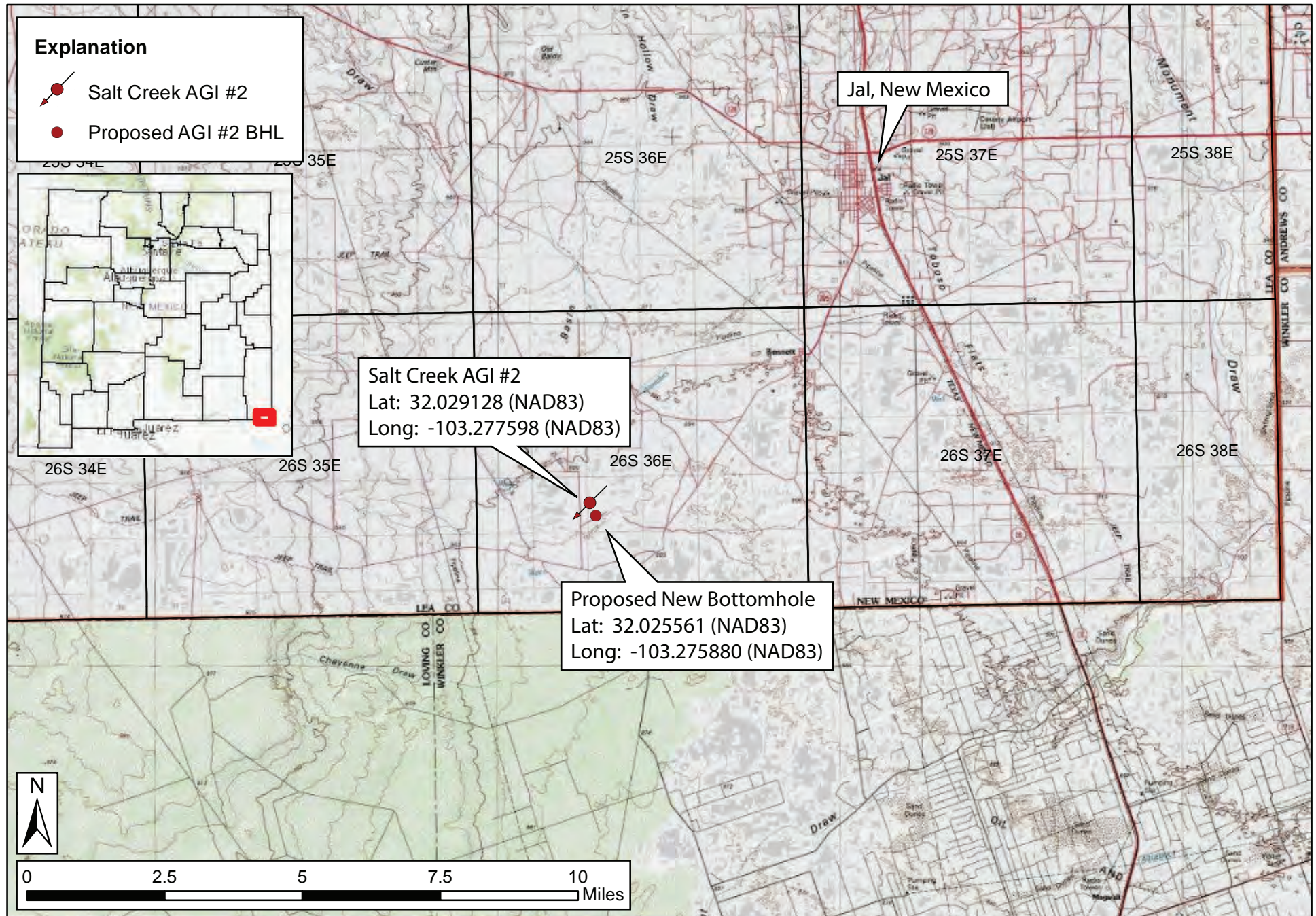
## 7.0 NORTHWIND'S REQUEST OF THE NMOCD

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.







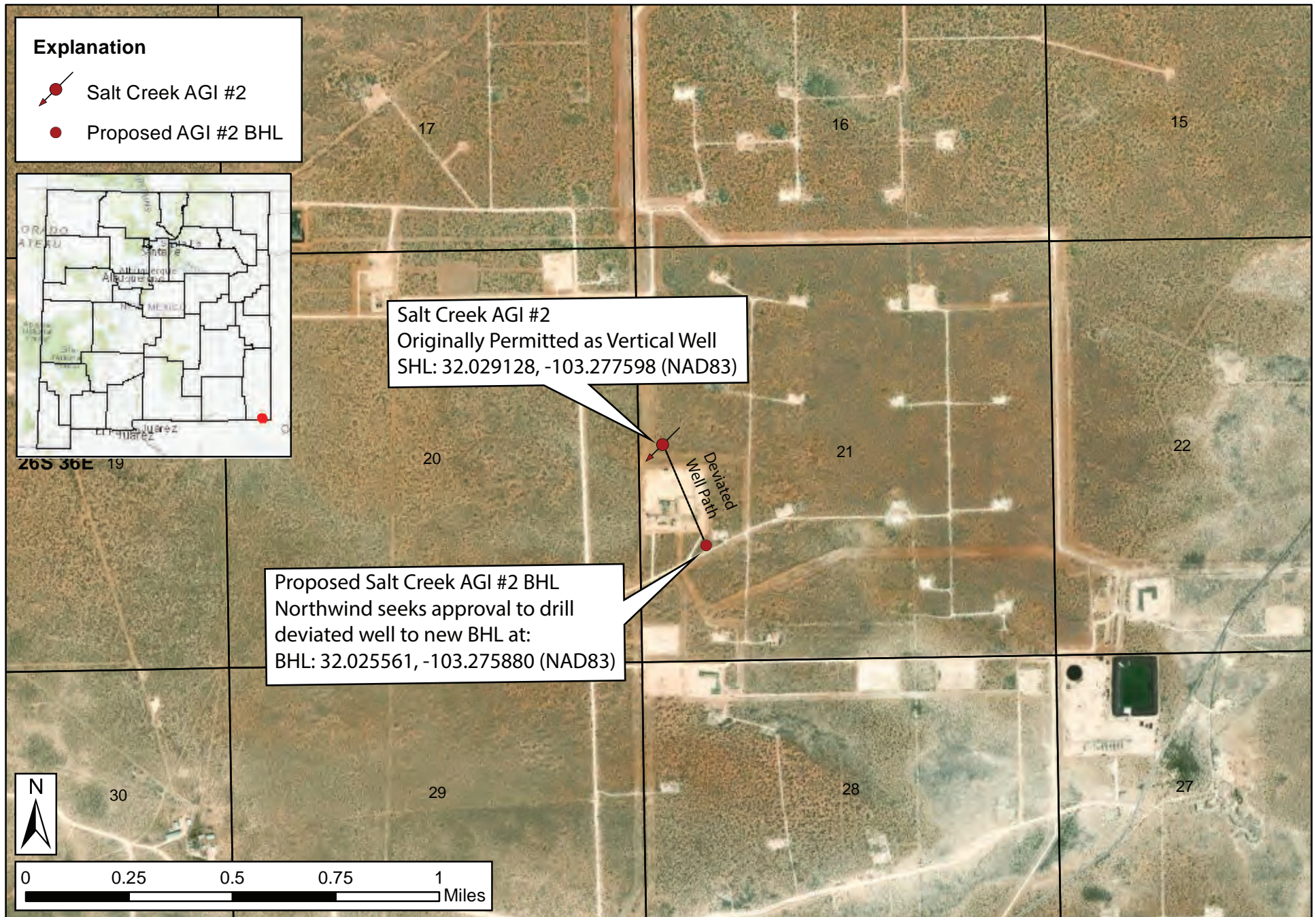


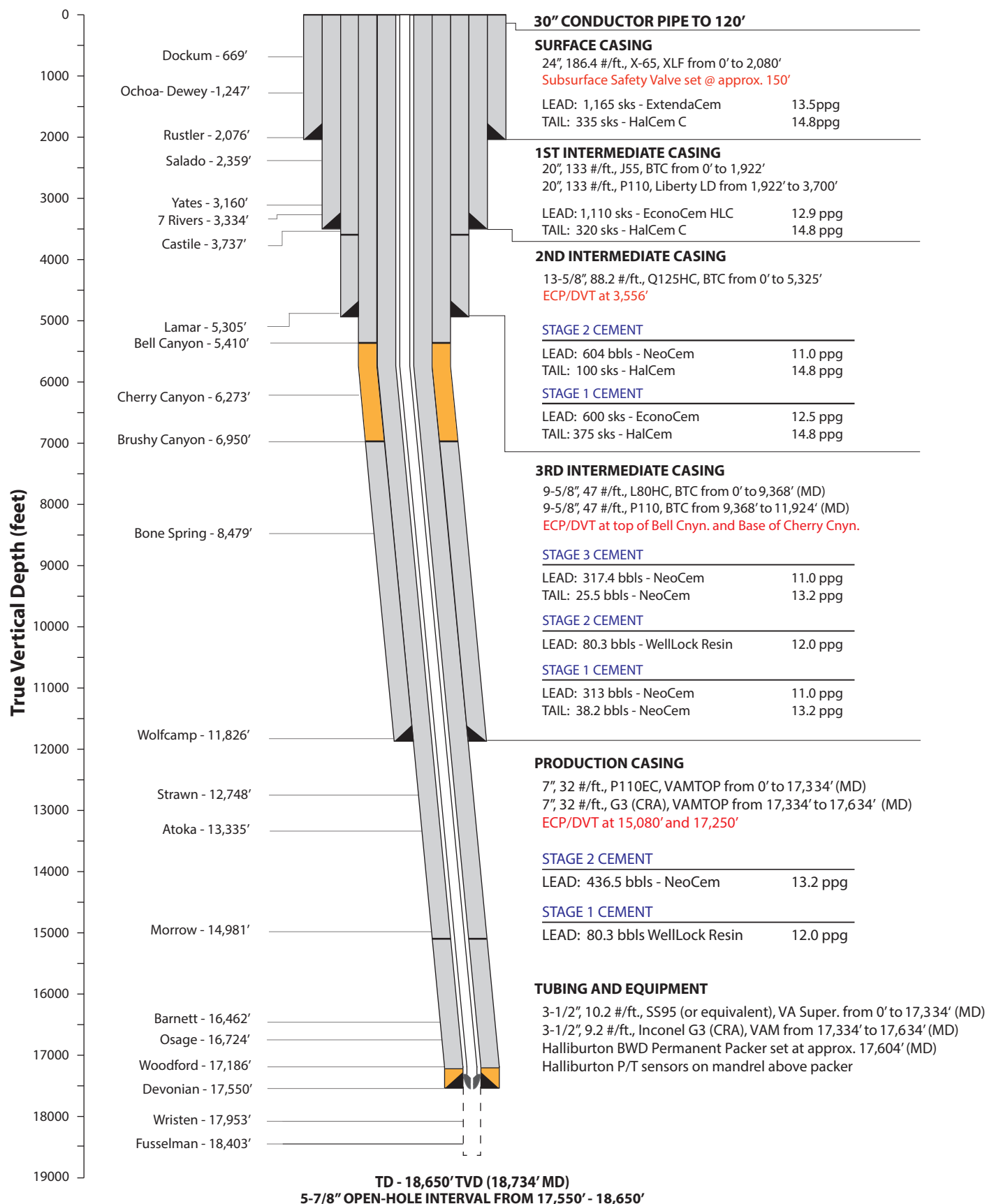
Figure 2. Aerial photographic location map showing Northwind facility, original AGI #2 vertical well location, and proposed bottomhole for drilling Salt Creek AGI 2 as a deviated well.





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

**GEOLEX**  
INCORPORATED

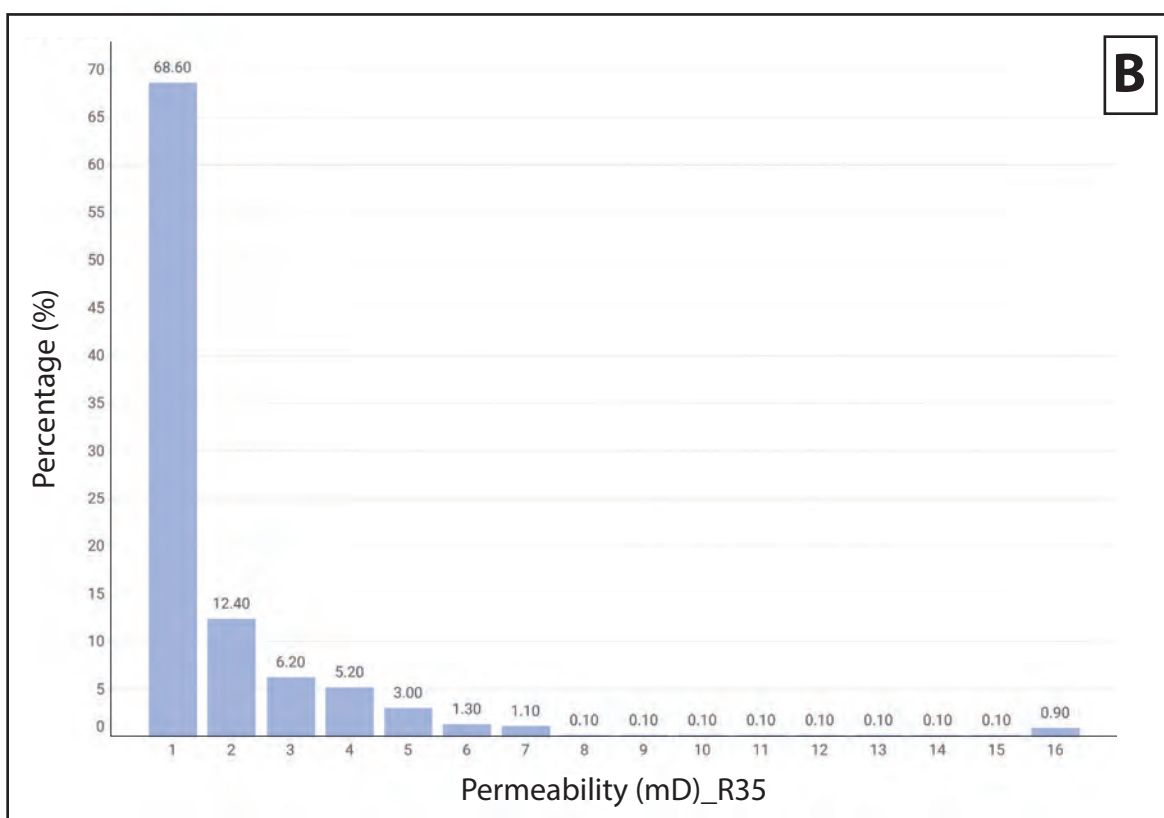
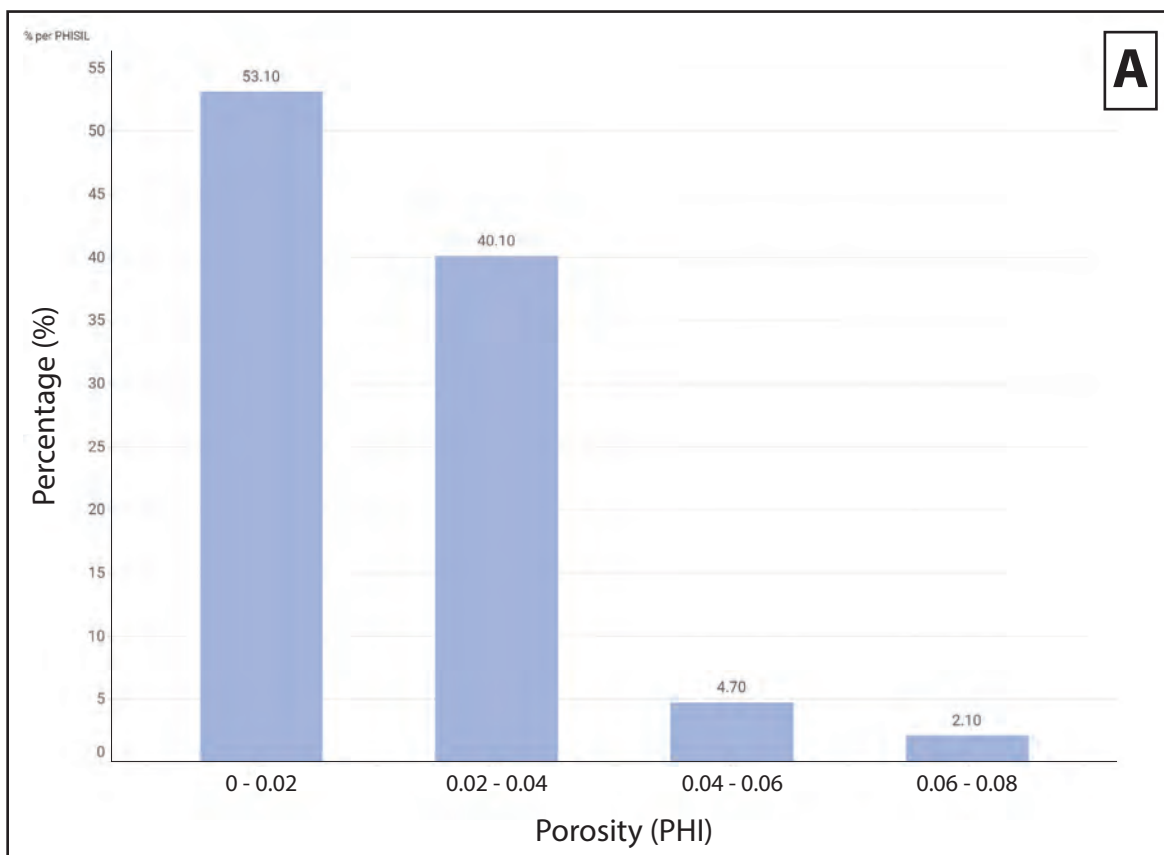


All depths are approximate and subject to change based on drilling and geology encountered

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.



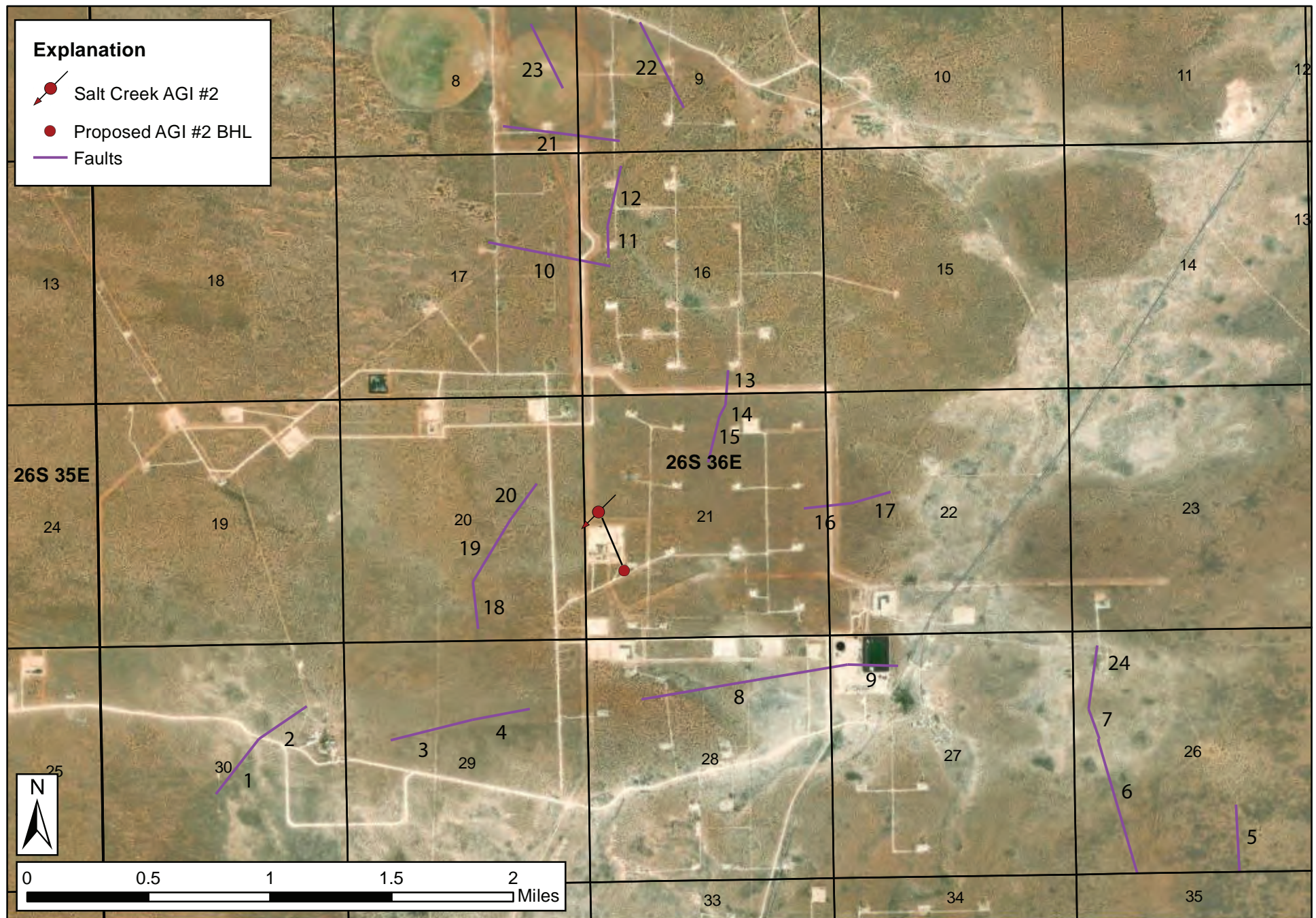
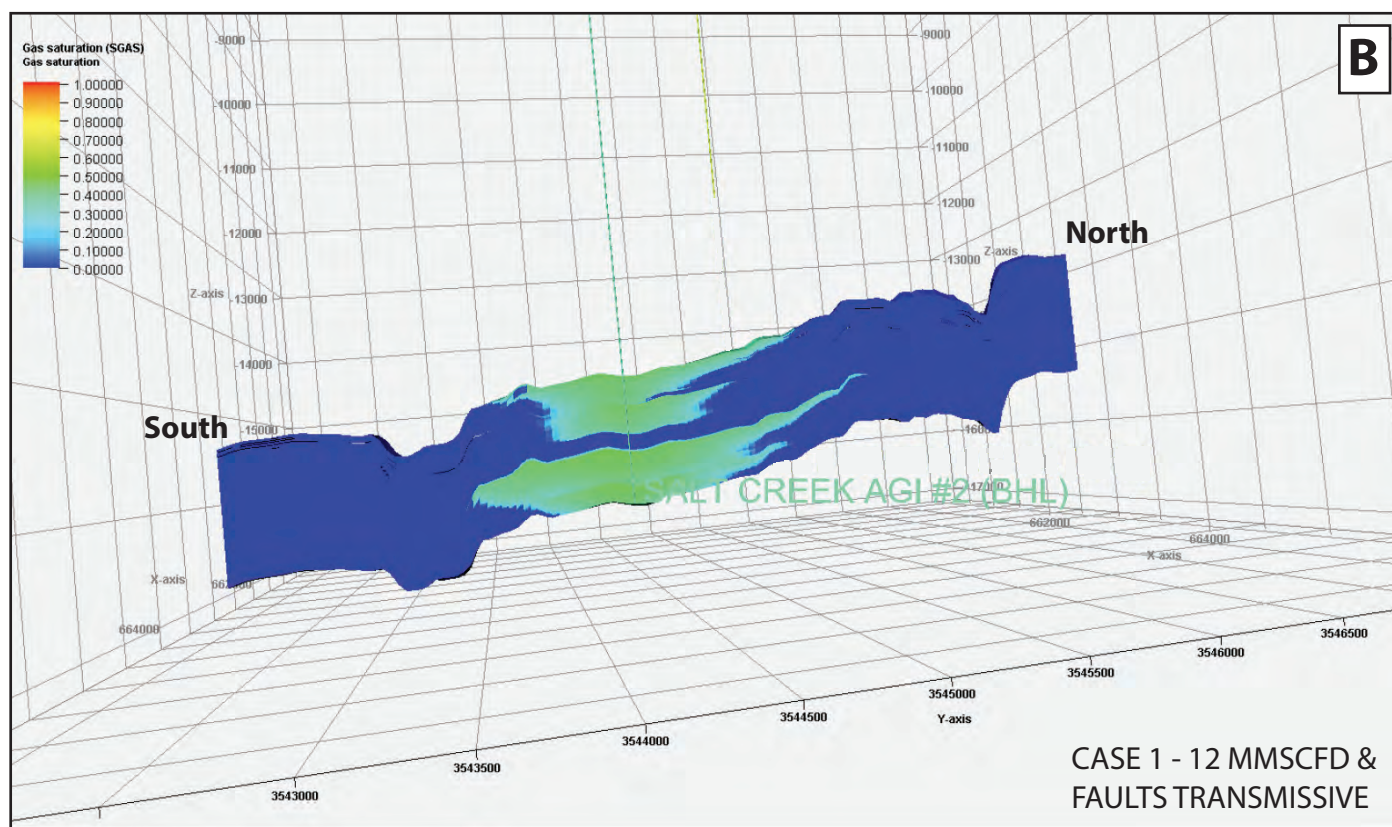
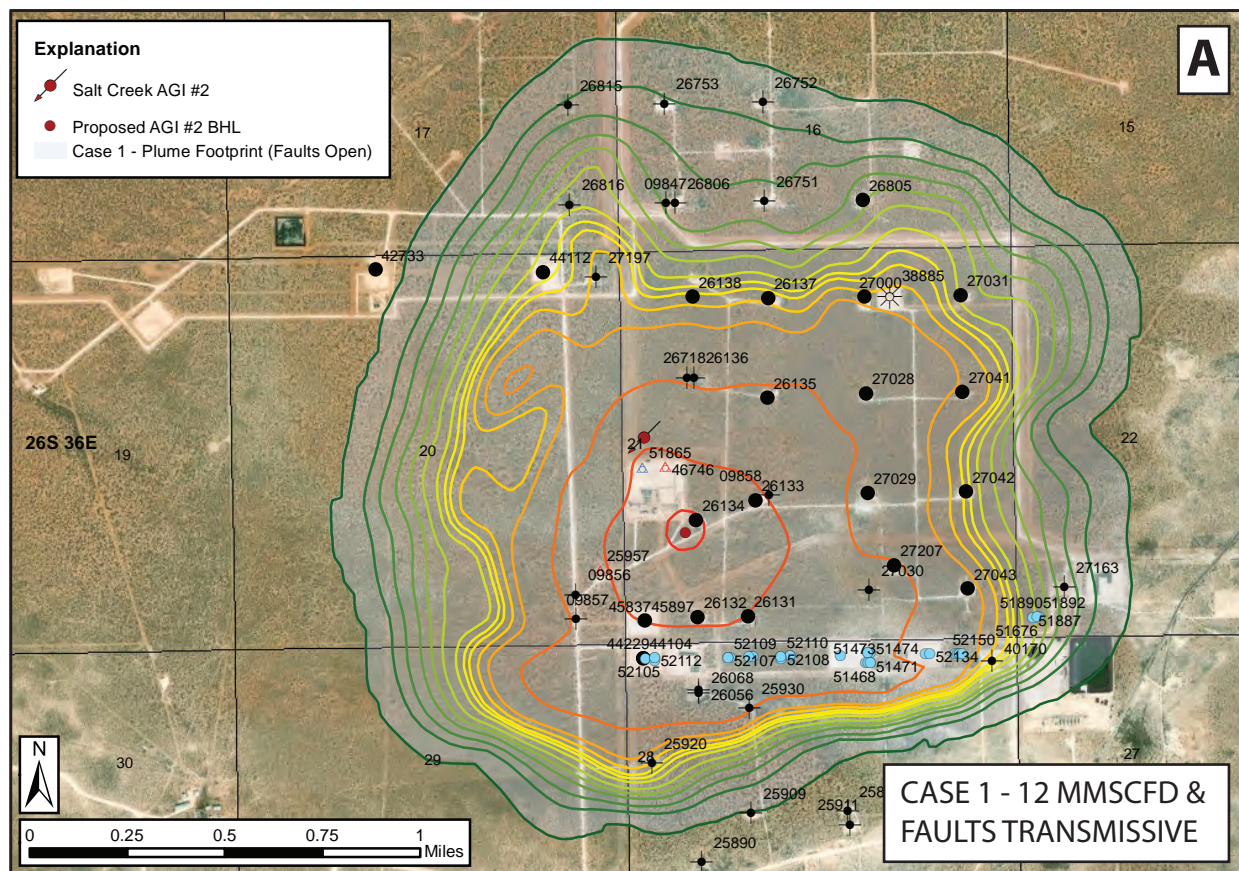


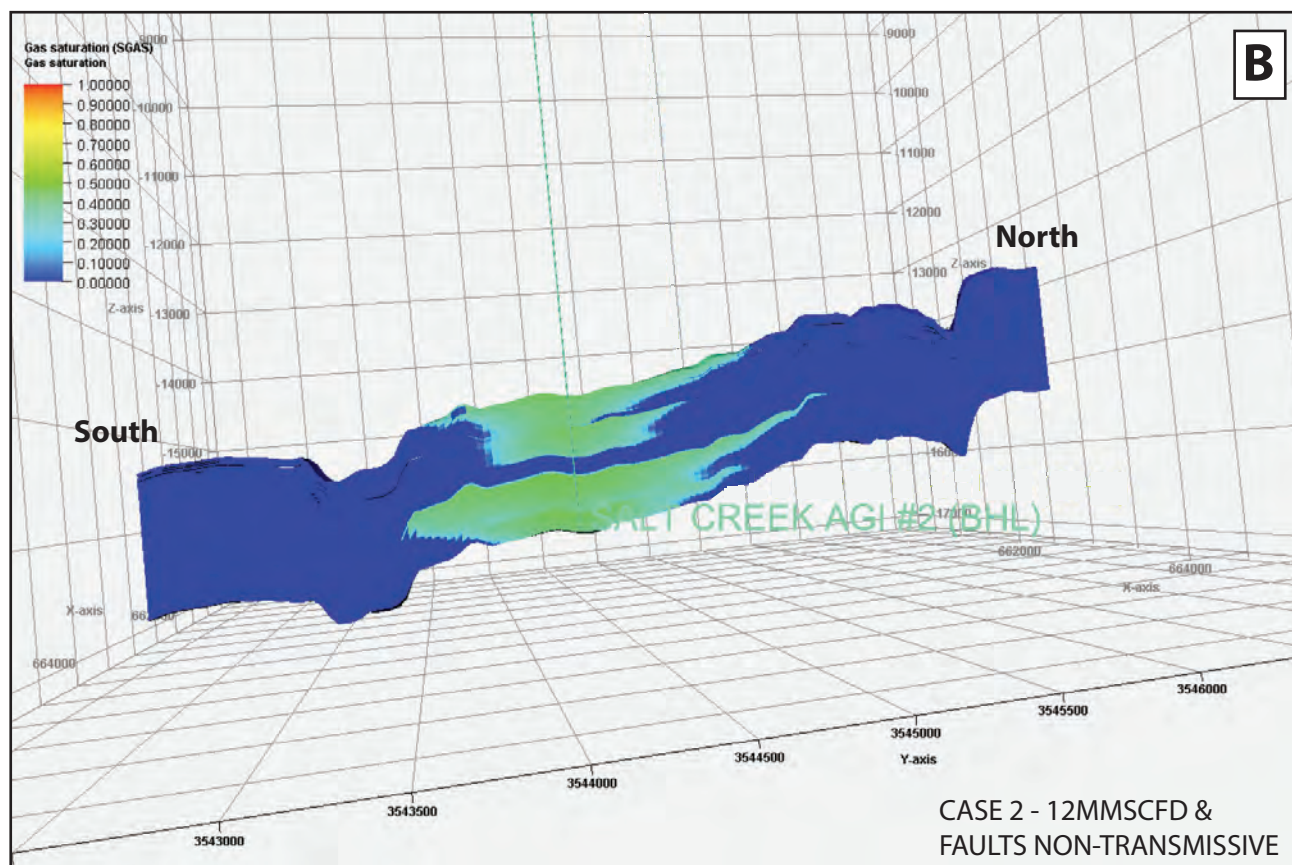
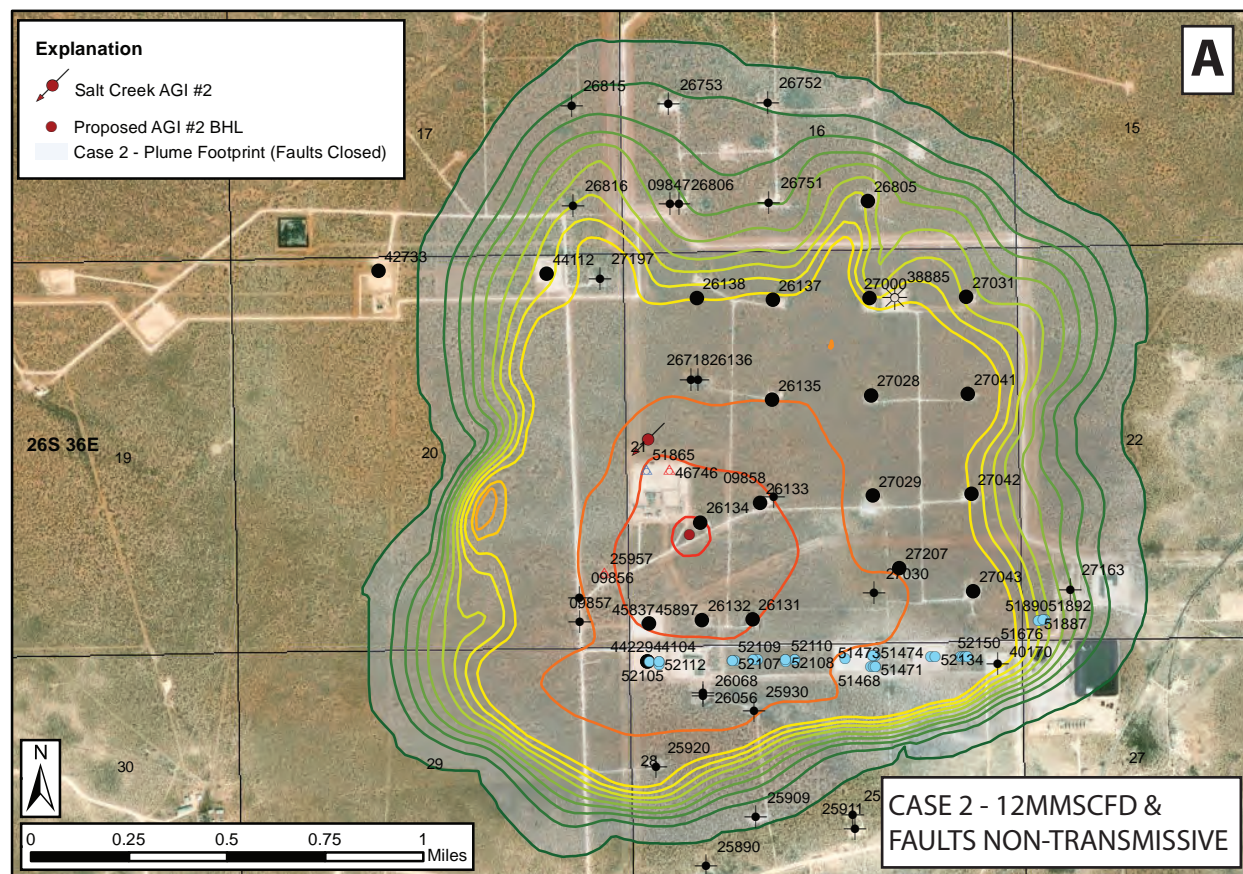
Figure 5. Subsurface fault features interpreted from seismic survey data and in the vicinity of Salt Creek AGI #2. Fault segments are annotated for reference in FSP simulation results regarding induced seismicity risk





**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.





**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.



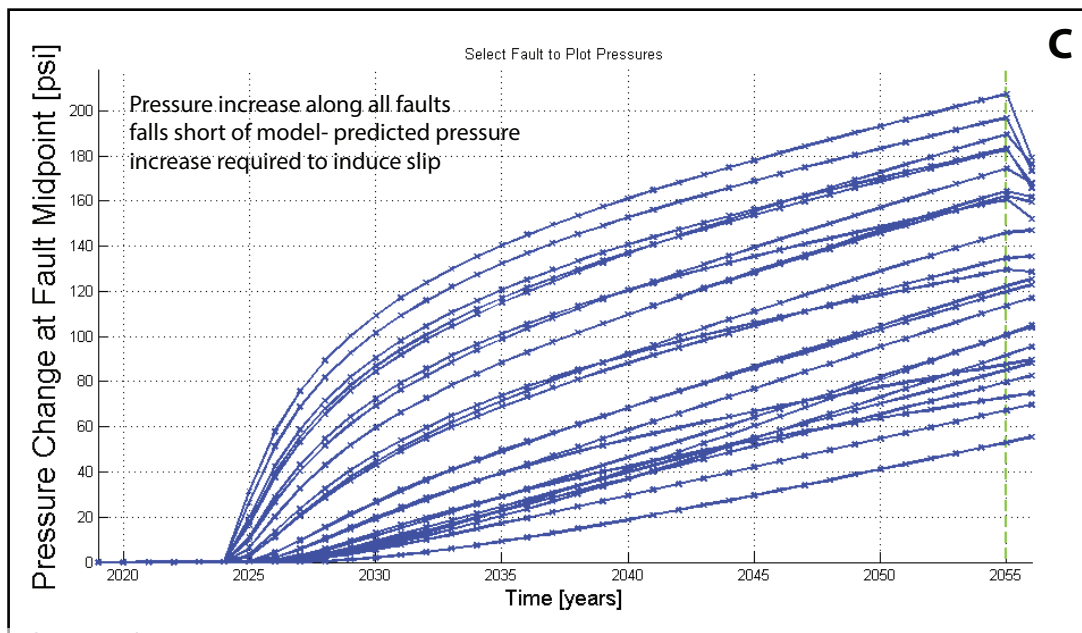
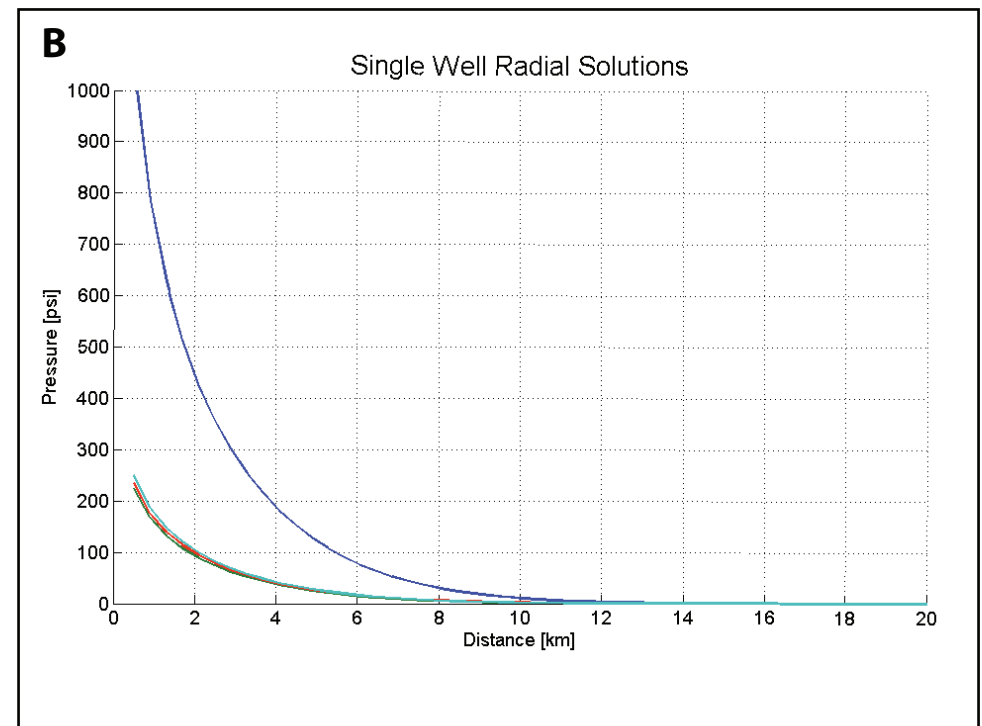
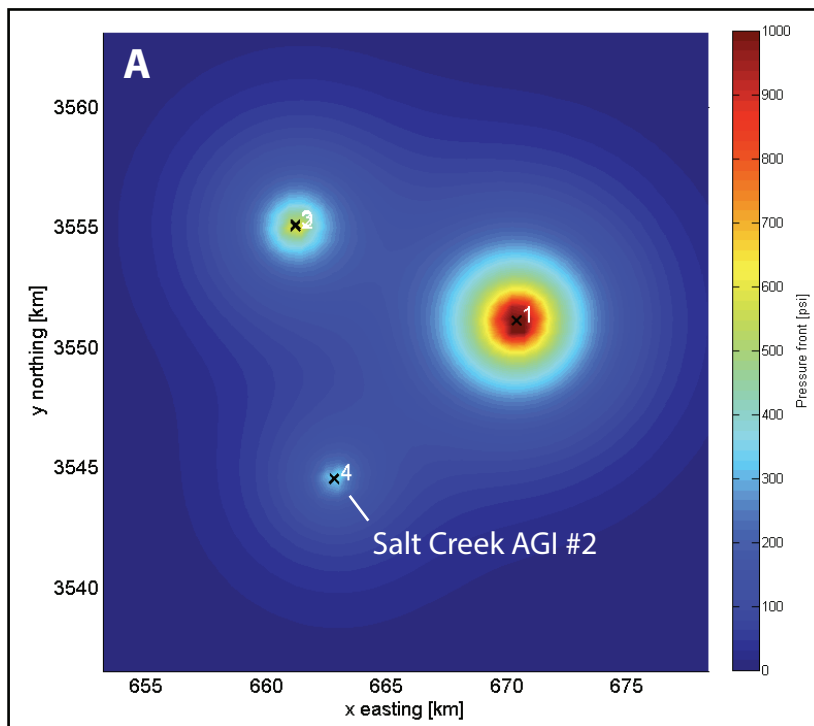


Figure 8. Summary of FSP model-predicted pressure front effects in the year 2055, from injection wells near the permitted Salt Creek AGI #2 (shown in Panel A as Well #4) that are actively injecting within the Siluro-Devonian formations.



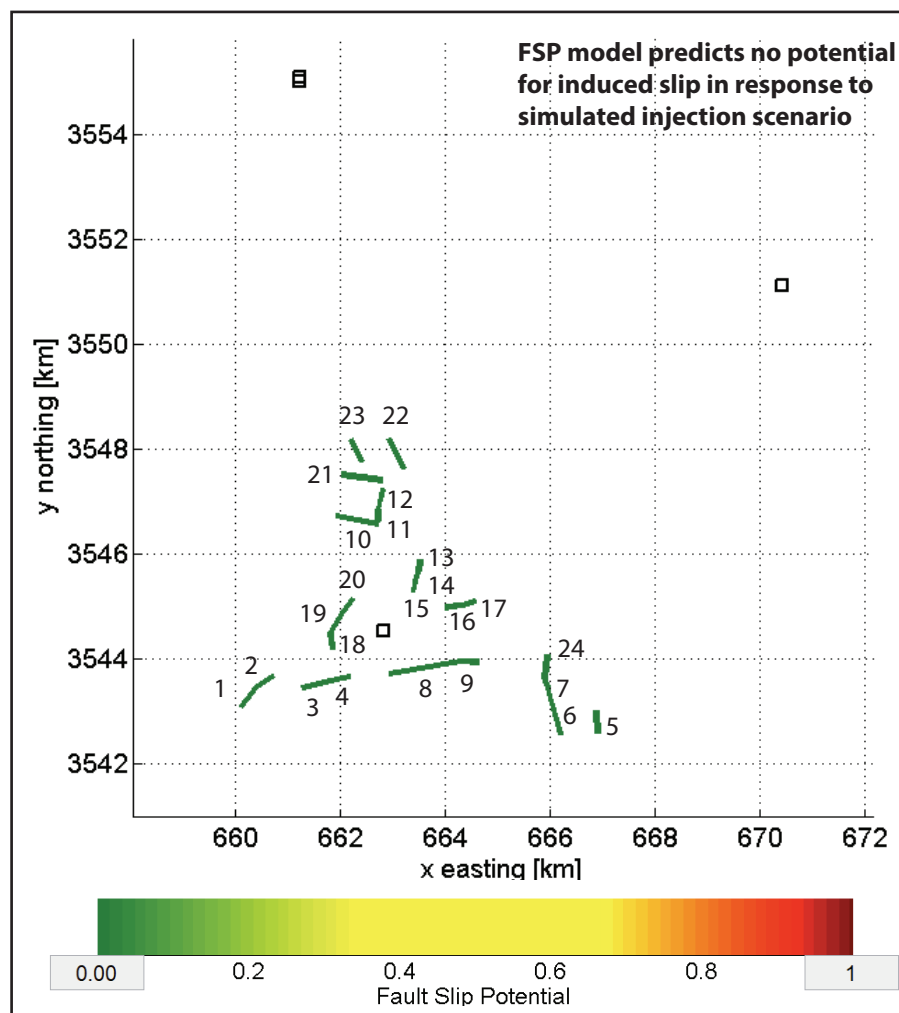
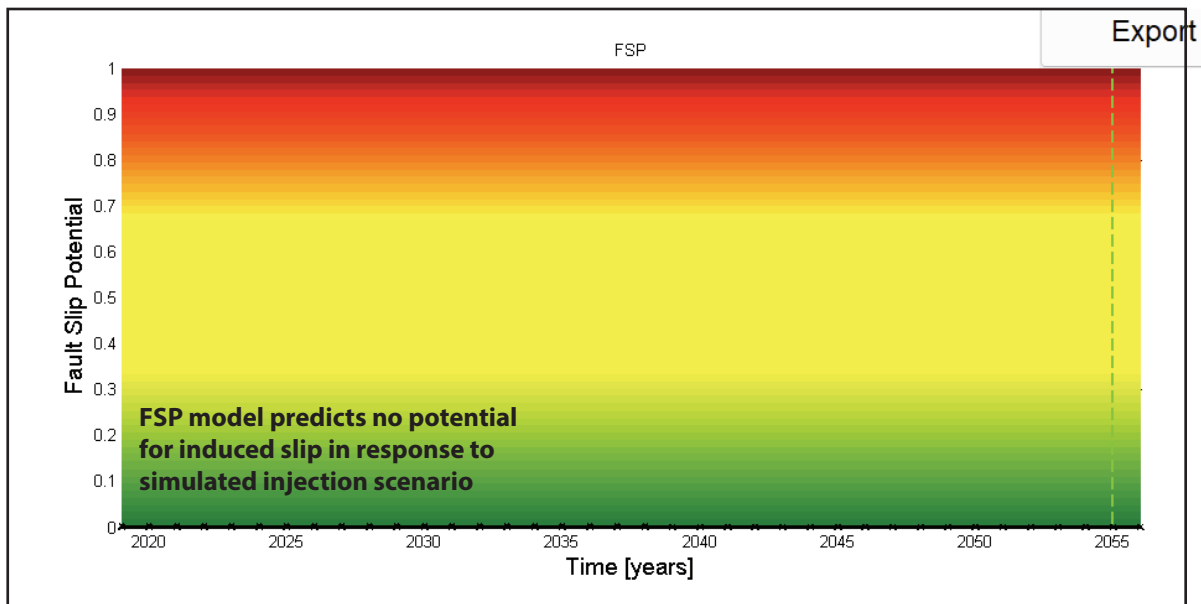


Figure 9. Model-predicted fault-slip potential after 30 years (Panel A) of injection operations at maximum daily volume conditions. Injection operations proposed for Salt Creek AGI #2 will have little impact on faults in the area and indicate no risk of increasing the likelihood of induced seismicity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



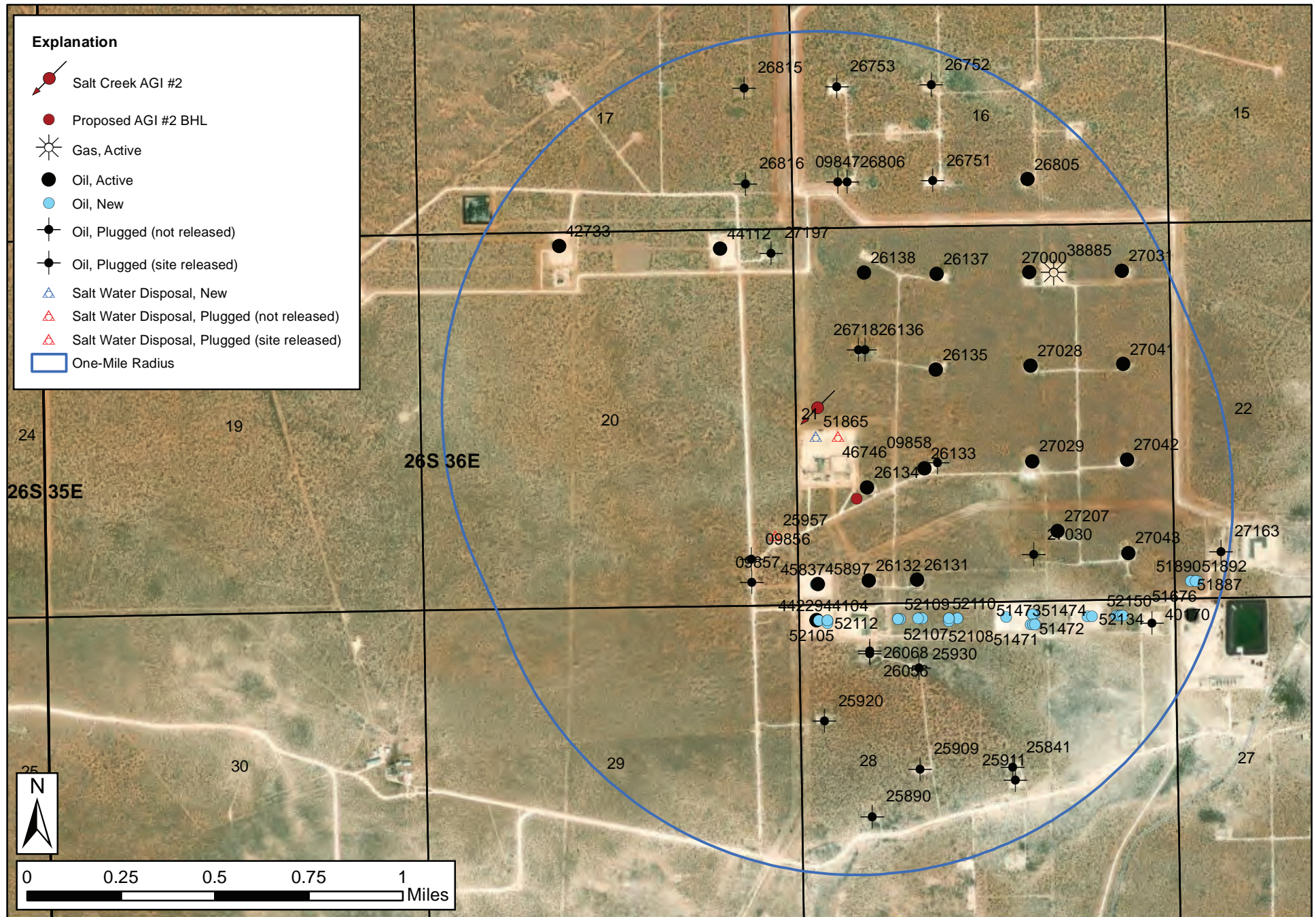


Figure 10. All wells located within one mile of the proposed Salt Creek AGI #2 surface and bottomhole location. Labels denote last 4 digits of API #30-025-xxxxx. There are no wells penetrating the proposed injection zone within one mile.



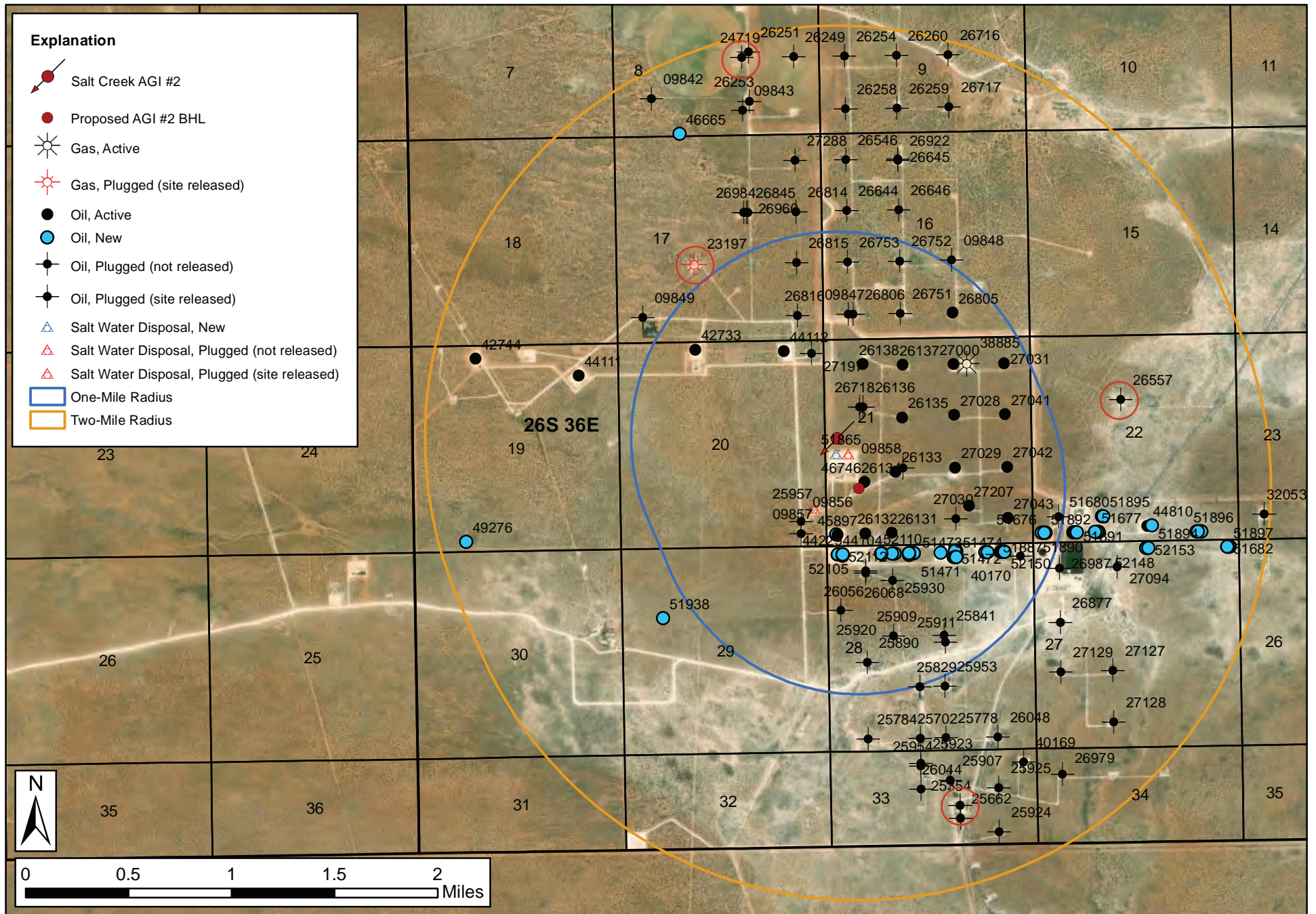


Figure 11. All wells located within two miles of the proposed Salt Creek AGI #2 surface and bottomhole location. Labels denote last 4 digits of API #30-025-xxxx. There are four wells penetrating the proposed injection zone (red circles), none of which, are predicted to encounter the injection plume.



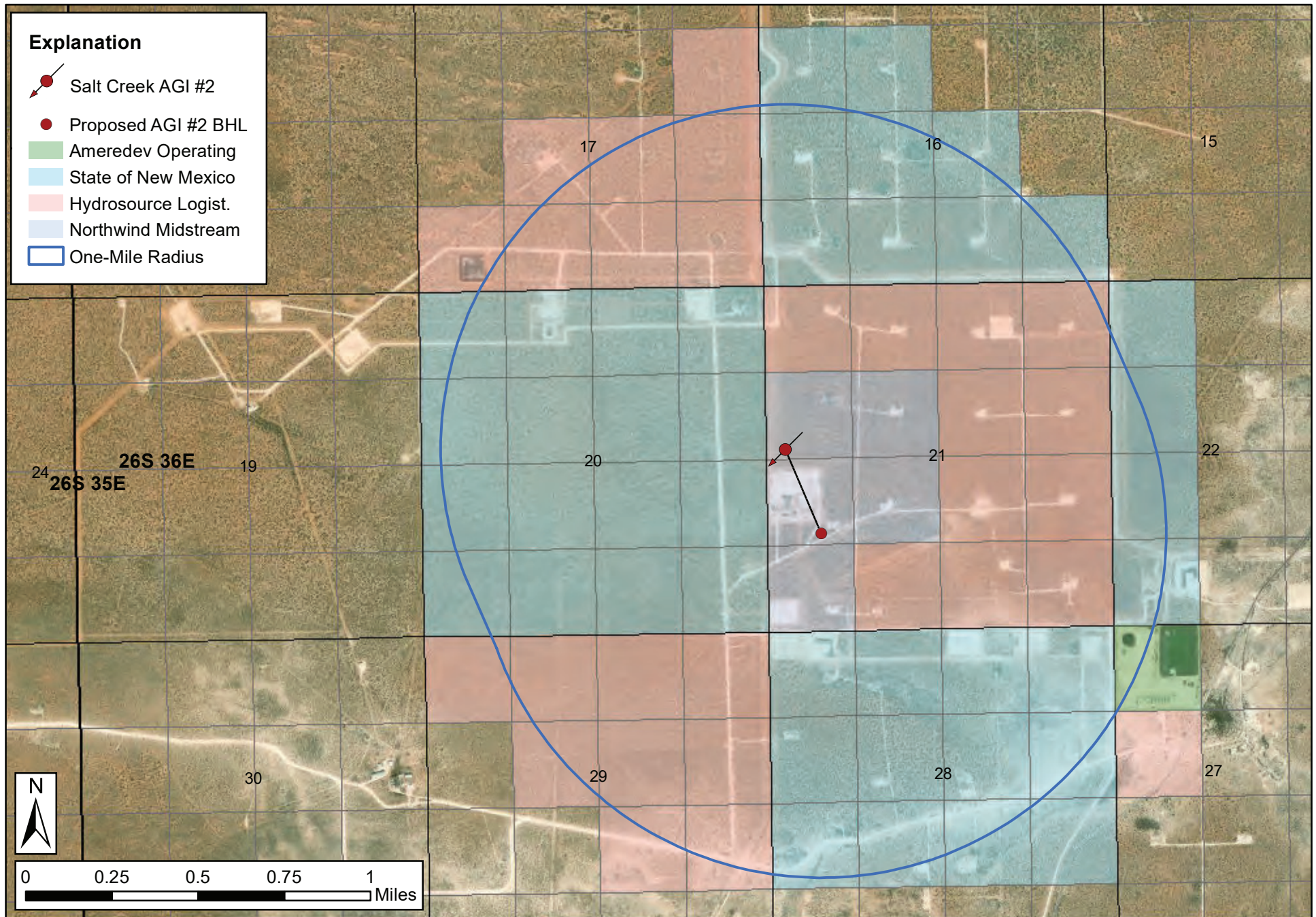


Figure 12. Surface ownership within one mile of the Salt Creek AGI #2 surface location and proposed bottomhole location. With the exception of Hydrosource Logistics, no new interested parties have been identified. All parties have been provided notice of Northwind's request to amend the bottomhole location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



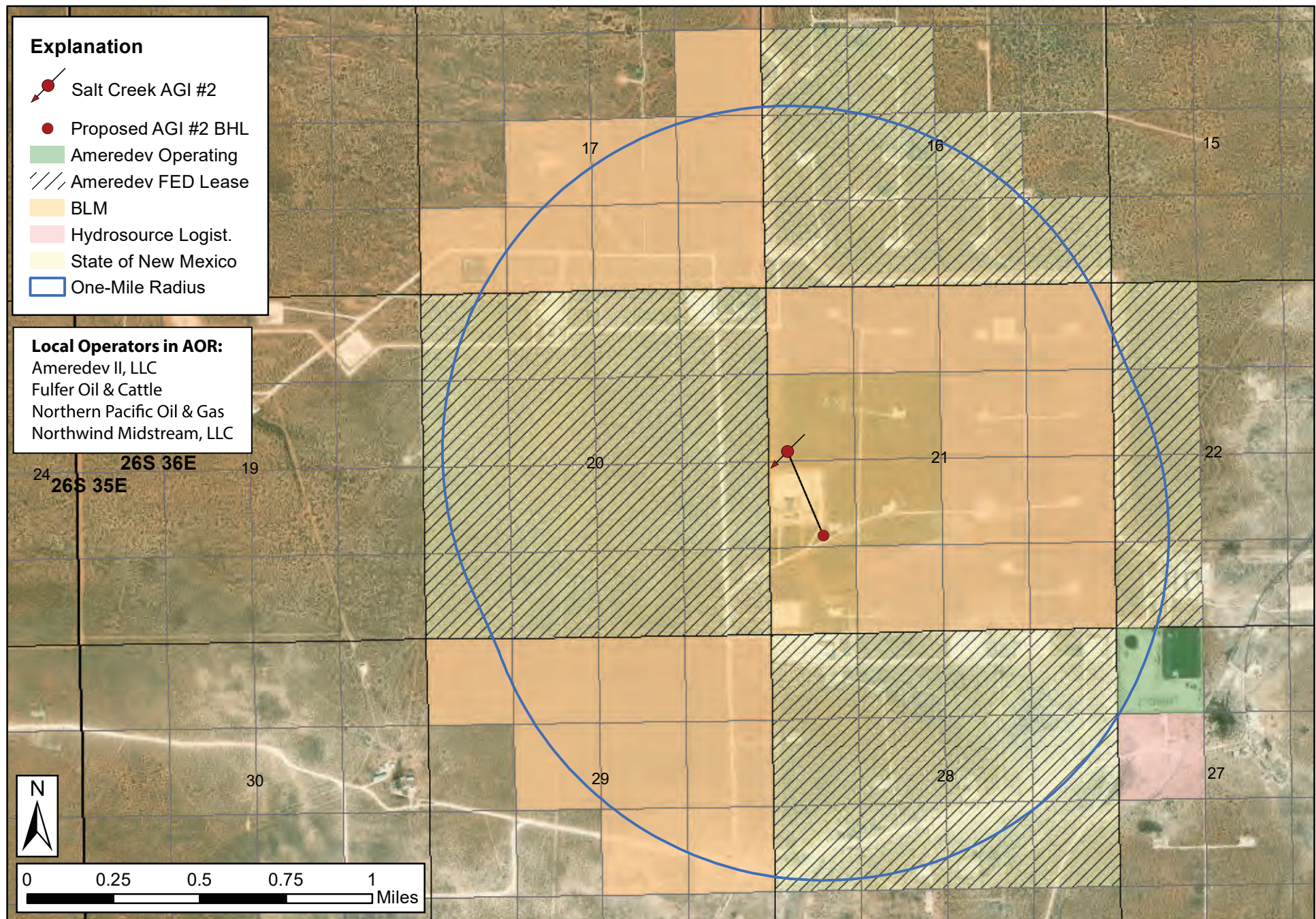


Figure 13. Active operators, and mineral ownership within one mile of the permitted Salt Creek AGI #2 surface hole location and proposed new bottomhole location.



## **APPENDIX A**

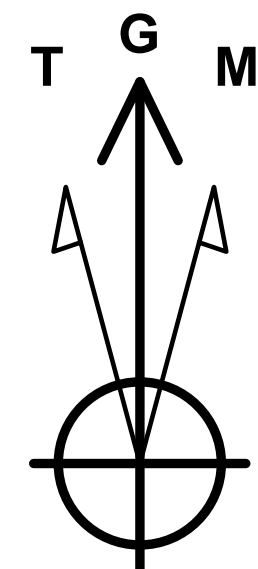
### **PRELIMINARY DIRECTIONAL DRILLING PLAN FOR SALT CREEK AGI #2**





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



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

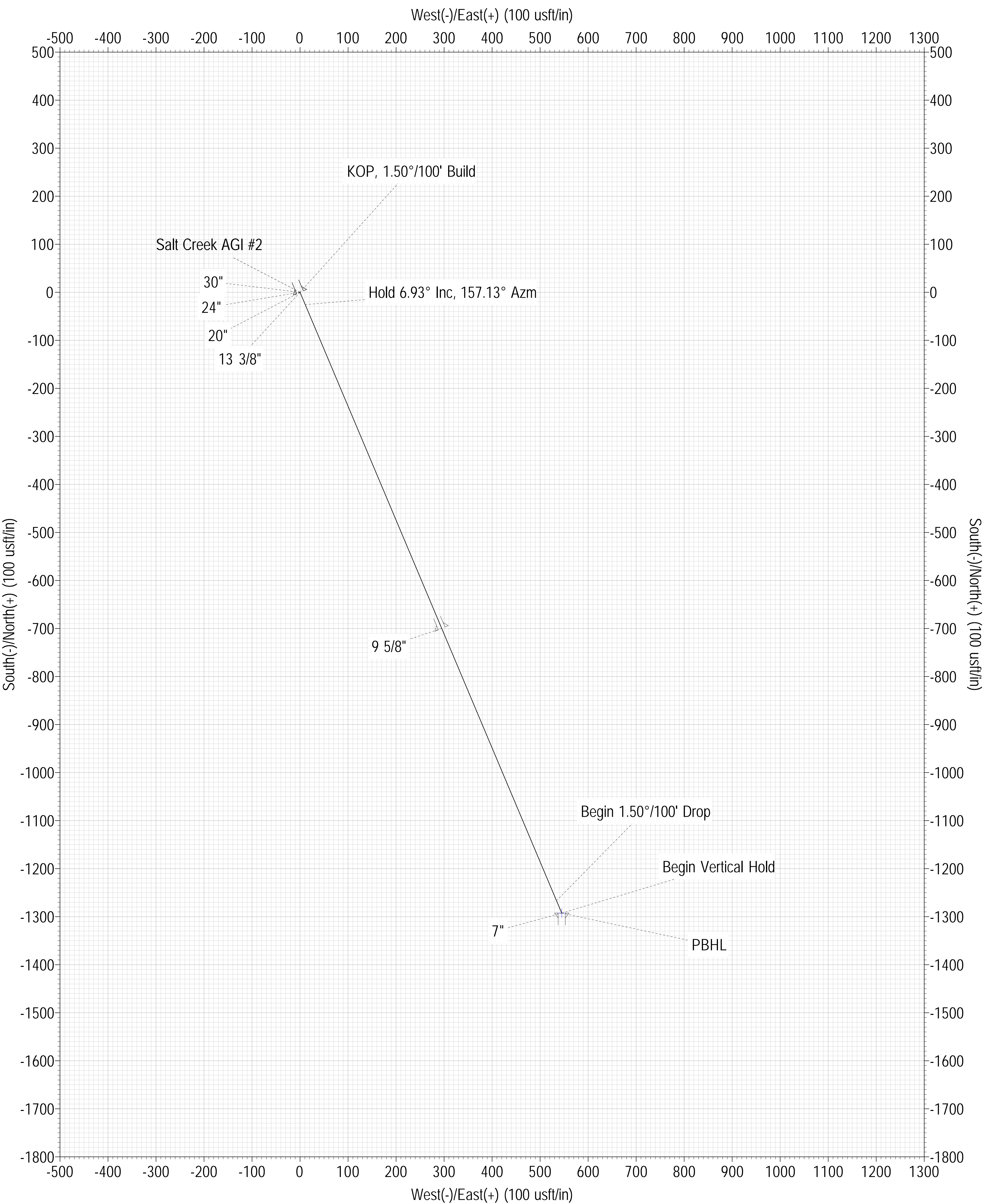
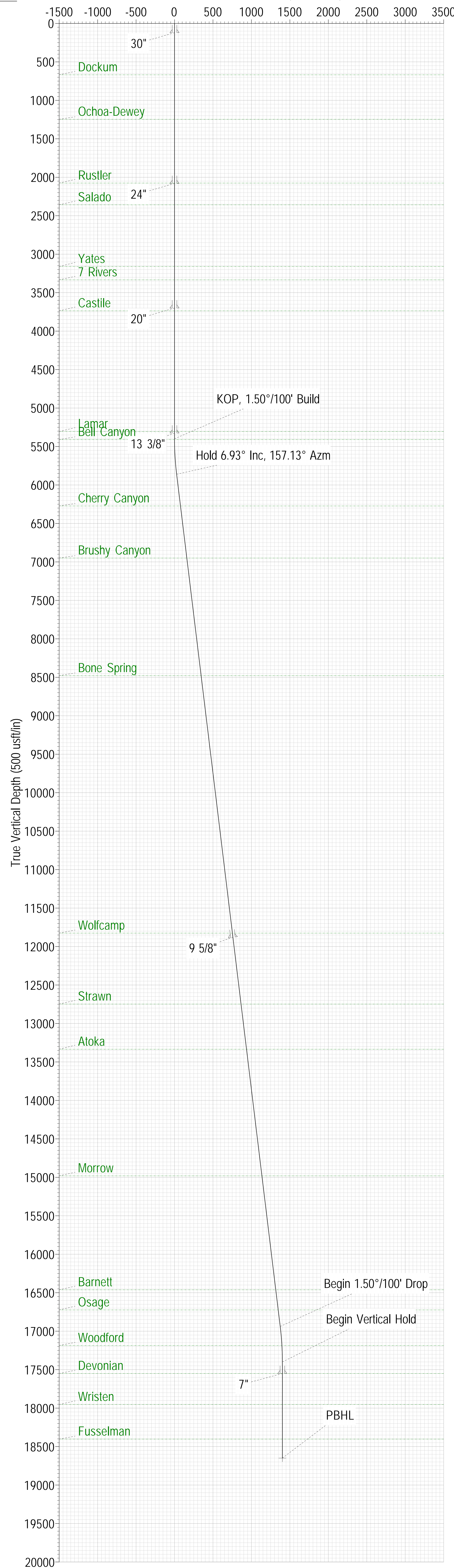
GL @ No depth data is available				WELL @ 25.00usft (25' above MSL)			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	375934.10	868507.51	32.029128	-103.277598	SECTION DETAILS	
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00
5862.14	6.93	157.13	5861.01	-25.73	10.85	1.50	157.131
17021.69	6.93	157.13	16938.99	-1266.73	534.28	0.00	0.000
17483.83	0.00	0.00	17400.00	-1292.46	545.13	1.50	180.000
18733.83	0.00	0.00	18650.00	-1292.46	545.13	0.00	0.000
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



### SURVEY PROGRAM

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

### Vertical Section at 157.13° (500 usft/in)







## **Northwind Midstream**

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

**Wellbore #1**

**Plan: Design #2**

## **Standard Planning Report**

**03 June, 2024**







# MS Directional Planning Report



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

<b>Project</b>	Lea County, New Mexico (NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	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 °				

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2024	5/7/2024	6.133	59.517	47,096.000

<b>Design</b>	Design #2				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	157.13	

<b>Plan Survey Tool Program</b>	<b>Date</b>	6/3/2024			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	18,733.83	Design #2 (Wellbore #1)		

<b>Plan Sections</b>											
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>	
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 Creek	





# MS Directional Planning Report



<b>Database:</b>	Conroe DB	<b>Local Co-ordinate Reference:</b>	Well Salt Creek AGI #2
<b>Company:</b>	Northwind Midstream	<b>TVD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Project:</b>	Lea County, New Mexico (NAD 83)	<b>MD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Site:</b>	Salt Creek	<b>North Reference:</b>	Grid
<b>Well:</b>	Salt Creek AGI #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>30"</b>									
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
<b>Dockum</b>									
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
<b>Ochoa-Dewey</b>									
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
<b>Rustler</b>									
2,080.00	0.00	0.00	2,080.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>24"</b>									
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
<b>Salado</b>									
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
<b>Yates</b>									
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
<b>7 Rivers</b>									
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





# MS Directional Planning Report



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





# MS Directional Planning Report



<b>Database:</b>	Conroe DB	<b>Local Co-ordinate Reference:</b>	Well Salt Creek AGI #2
<b>Company:</b>	Northwind Midstream	<b>TVD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Project:</b>	Lea County, New Mexico (NAD 83)	<b>MD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Site:</b>	Salt Creek	<b>North Reference:</b>	Grid
<b>Well:</b>	Salt Creek AGI #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>Bone Spring</b>									
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
<b>Wolfcamp</b>									
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
<b>9 5/8"</b>									
12,000.00	6.93	157.13	11,954.01	-708.29	298.74	768.71	0.00	0.00	0.00





# MS Directional Planning Report



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





# MS Directional Planning Report



<b>Database:</b>	Conroe DB	<b>Local Co-ordinate Reference:</b>	Well Salt Creek AGI #2
<b>Company:</b>	Northwind Midstream	<b>TVD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Project:</b>	Lea County, New Mexico (NAD 83)	<b>MD Reference:</b>	WELL @ 25.00usft (25' above MSL)
<b>Site:</b>	Salt Creek	<b>North Reference:</b>	Grid
<b>Well:</b>	Salt Creek AGI #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>Osage</b>									
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
<b>Begin 1.50°/100' Drop</b>									
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
<b>Woodford</b>									
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
<b>Begin Vertical Hold</b>									
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
<b>Devonian - 7"</b>									
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
<b>Wristen</b>									
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
<b>Fusselman</b>									
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
<b>PBHL</b>									

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





# MS Directional Planning Report



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



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



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



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



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



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





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.<sup>®</sup>; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102; (505) 842-8000.

Sincerely,  
Geolex, Inc.<sup>®</sup>

A handwritten signature in black ink, appearing to read "David A. White", written over a horizontal line.

David A. White, P.G.  
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

• email: dwhite@geolex.com

Albuquerque, New Mexico 87102

web: www.geolex.com





David A. White, P.G.

June 5, 2024

VIA FEDERAL EXPRESS

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

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.

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Sincerely,  
Geolex, Inc.<sup>®</sup>

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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)

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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





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

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.

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Sincerely,  
Geolex, Inc.<sup>®</sup>

A handwritten signature in black ink, appearing to read "David A. White".

David A. White, P.G.  
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





David A. White, P.G.

June 5, 2024

VIA FEDERAL EXPRESS

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

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.®

A handwritten signature in black ink, appearing to read "David A. White", written over a horizontal line.

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

phone: 505-842-8000

• 500 Marquette Avenue NW, Suite 1350

• email: dwhite@geolex.com

Albuquerque, New Mexico 87102

web: www.geolex.com





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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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\SLO\_Notice (June 2024).docx

phone: 505-842-8000

• 500 Marquette Avenue NW, Suite 1350

• email: dwhite@geolex.com

Albuquerque, New Mexico 87102

web: www.geolex.com





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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ADMINISTRATIVE ORDER SWD-2580

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P:\23-025 Northwind AGI Regulatory Support\2024 Revised AGI 2 C-108\Appendices\resources\Hydrosource\_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





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:	Shipper:
Bureau of Land Management,	Alberto Gutierrez,
301 Dinosaur Trail	500 Marquette Ave NW
SANTA FE, NM, US, 87508	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

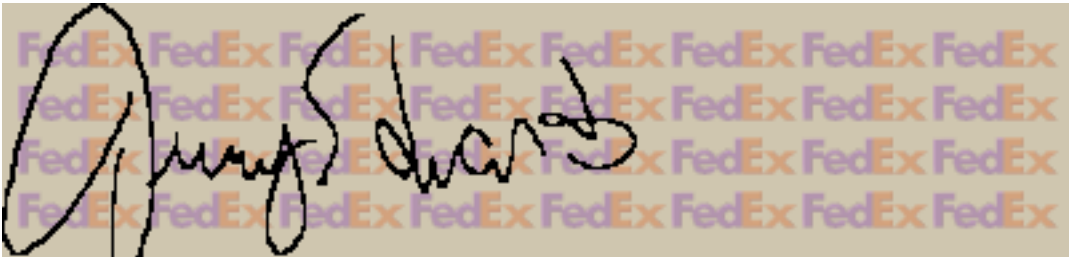
Shipping Information:

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:  
Hydrosorce 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 352140

CONDITIONS

Operator: Northwind Midstream Partners LLC 811 Louisiana St Houston, TX 77002	OGRID: 331501
	Action Number: 352140
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

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