

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF LEA MIDSTREAM, LLC
TO AMEND ORDER NO. R-24043 AND SWD-
2650 TO AUTHORIZE AN INCREASED
DAILY INJECTION RATE,
LEA COUNTY, NEW MEXICO.**

CASE NO. _____

APPLICATION

Lea Midstream, LLC (OGRID No. 333151), through its undersigned counsel, files this application with the Oil Conservation Division (the "Division") pursuant to the provisions of NMSA 1978, § 70-2-12(B)(15) and 19.15.26 NMAC to amend Order No. R-24043 and SWD-2650 to authorize an increase in the maximum daily injection rate to 30 million standard cubic feet per day (MMSCFD) of treated acid gas ("TAG") for disposal through its permitted White Russian AGI #1 well (API No. 30-025-55346). In support, Lea Midstream states the following:

1. Attached as **Exhibit A** is a complete C-108 application for approval to increase the allowable injection volume for the White Russian AGI #1 from 12 MMSCFD to 30 MMSCFD.
2. The requested increase would be applicable to either or both the White Russian AGI #1 or the companion AGI well that is required to be drilled under SWD-2650 within three years of commencing injection in the White Russian AGI #1. *See* SWD-2650, Special Conditions ¶ 17. Injection into the White Russian AGI #1 has not yet commenced and the required companion well has not yet been permitted.
3. The White Russian AGI #1 well was drilled as a deviated well with a surface location of approximately 1,593 feet from the south line (FSL) and approximately 1,989 feet from the west line (FWL) of Section 17, to a bottom hole location at approximately 2,338 from the north

line (FNL) and 188 feet FWL in said Section 17, within Township 19 South, Range 35 East, Lea County, New Mexico.¹

4. The White Russian AGI #1 is currently authorized to inject up to 12 MMSCFD of TAG but Applicant is requesting an increase to 30 MMSCFD to meet the increasing demand for sour gas disposal in southeast New Mexico, which is increasing substantially in the area of the White Russian AGI #1 well and its associated The Dude Processing Plant. Based on operator-provided production forecasts, it is anticipated that increased sour gas disposal capacity will be necessary by the first quarter of 2027.

5. The maximum allowable operating pressure ("MAOP") is approximately 4,593 psig and is proposed to remain unchanged. The approved injection zone for the White Russian AGI #1 well is the Siluro-Devonian formations, including the Devonian, Wristen, and Fusselman formations, between depths of approximately 14,522 to 15,866 total vertical feet and is also proposed to remain unchanged.

6. The injection stream will consist of TAG comprised of approximately 70 percent carbon dioxide and 30 percent hydrogen sulfide from oil and gas wells in the area.

7. Approving this application will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, Lea Midstream, LLC requests that this application be set for a hearing before the Oil Conservation Division on November 5, 2026, and, after notice and hearing as required by law, the Division enter an order approving this application.

¹ The geographic coordinates for the White Russian AGI #1 surface location are 32.657656, -103.481600 (NAD83), within Section 17 of Township 19 South, Range 35 East, and the AGI #1 well was directionally drilled to a bottom-hole location at approximately 32.661375, -103.487429 (NAD83). All area of review analyses completed were based on these geographic coordinates, as well as the final White Russian AGI #1 directional survey.

Respectfully submitted,

HOLLAND & HART LLP

By: 
Adam G. Rankin
Paula M. Vance
A. Raylee Starnes
215 Lincoln Avenue, Suite 100
Santa Fe, New Mexico 87501
(505) 988-4421
(505) 983-6043 Facsimile
agrarkin@hollandhart.com
pmvance@hollandhart.com
arstarnes@hollandhart.com

ATTORNEYS FOR LEA MIDSTREAM, LLC

CASE _____:

Application of Lea Midstream, LLC to Amend Order No. R-24043 and SWD-2650 to Authorize an Increased Daily Injection Rate, Lea County, New Mexico. Applicant in the above-styled cause seeks to amend Order No. R-24043 and SWD-2650 to authorize an increase in the approved maximum daily injection rate from 12 million to 30 million standard cubic feet per day (MMSCFD) of treated acid gas (“TAG”) for disposal through its permitted White Russian AGI #1 well (API No. 30-025-55346). The White Russian AGI #1 well was drilled as a deviated well with a surface location of approximately 1,593 feet from the south line (FSL) and approximately 1,989 feet from the west line (FWL) of Section 17, to a bottom hole location at approximately 2,338 from the north line (FNL) and 188 feet FWL in said Section 17, within Township 19 South, Range 35 East, Lea County, New Mexico. The injection stream will consist of TAG comprised of approximately 70 percent carbon dioxide and 30 percent hydrogen sulfide from oil and gas wells in the area. The approved maximum allowable operating pressure is approximately 4,593 psig and will remain unchanged. The injection target is the Siluro-Devonian formations, including the Devonian, Wristen, and Fusselman formations, between depths of approximately 14,522 to 15,866 feet. The subject well will be located approximately 20 miles southwest of Hobbs, N.M.

EXHIBIT A

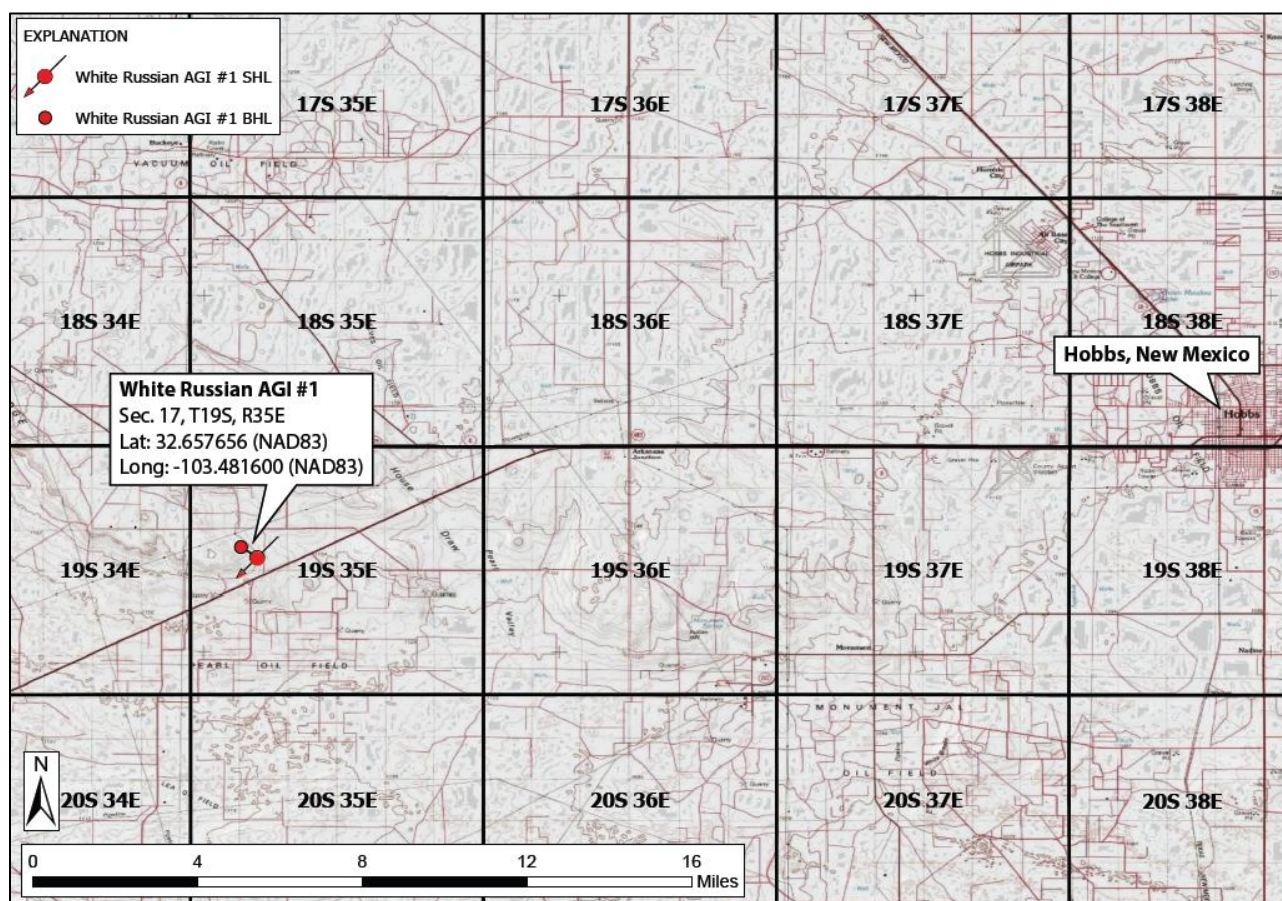
APPLICATION TO AMEND EXISTING UIC CLASS II PERMIT
REQUEST TO INCREASE ALLOWABLE DAILY INJECTION VOLUME
NMOCD ORDER R-24043

LEA MIDSTREAM, LLC (OGRID #333151)

White Russian AGI #1 – API: 30-025-55346

Surface Lat: 32.657656 (NAD83)

Surface Long: -103.481600 (NAD83)



September 2026

Prepared for:

Lea Midstream, LLC
 3500 Maple Avenue, Suite 700
 Dallas, Texas 75219
 (214) 238-5740

Prepared by:

Geolex, Inc.[®]
 500 Marquette Ave NW, Suite 1350
 Albuquerque, New Mexico 87102
 (505) 842-8000

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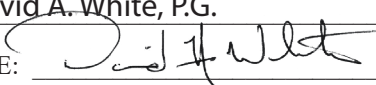
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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? _____ Yes X No
- II. OPERATOR: Lea Midstream, LLC [OGRID #333151]
ADDRESS: 3500 Maple Avenue, Suite 700; Dallas, Texas
CONTACT PARTY: Steven Smith, Joseph Styer PHONE: (806) 663-7735
(405) 315-1978
- 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 R-24043, SWD-2650
- 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 5; Appendix A
- 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.
Section 5; Appendix A
- VII. Attach data on the proposed operation, including:
- Proposed average and maximum daily rate and volume of fluids to be injected; **Sections 1-4**
 - Whether the system is open or closed; **Sections 1, 2, 4**
 - Proposed average and maximum injection pressure; **Sections 1 & 3**
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, **Sections 3 & 4**
 - 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.). **Sections 3 & 4**
- *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 B
- 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: Consultant to Lea Midstream
SIGNATURE:  DATE: September 21, 2026
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: _____

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

1.0 EXECUTIVE SUMMARY

On behalf of Lea Midstream, LLC (Lea Midstream, OGRID #333151), Geolex, Inc.[®] (Geolex) has prepared and is hereby submitting a complete C-108 Amendment Application seeking approval of an increase in the allowable injection volume for the White Russian AGI #1 well to 30 million standard cubic feet per day (MMSCFD). This application is being made in order to meet the increasing demand for sour gas disposal in southeast New Mexico, which is increasing substantially in the area of the White Russian AGI #1 well and associated The Dude Processing Plant. Operation of the White Russian AGI #1 well is currently authorized by New Mexico Oil Conservation Division (NMOCD) Order R-24043, and the well is limited to a daily injection volume of 12 MMSCFD.

In developing this C-108 amendment application, Lea Midstream has prepared all relevant and typical application components that address the primary issues that are the subject of this request, as well as all additional supporting documents required of this application. These generally include, but are not limited to, an updated geologic analysis and reservoir assessment that incorporates data collected while drilling the White Russian AGI #1 well, updated reservoir modeling and injection simulation results, re-evaluation of the injection-induced seismicity risk, additional investigation of the White Russian AGI #1 area of review, and the review of land records and identification of all interested parties. All remaining typical C-108 application components can be found in the original application, which was approved on October 11, 2025, and is publicly available in NMOCD well records.

The need and primary motivation leading to Lea Midstream's request for additional injection capacity (i.e., up to 30 MMSCFD) comes in response to specific operator demand for additional sour-gas treatment services in the area of The Dude Processing Plant, and following additional geologic investigation and verification that the approved Siluro-Devonian injection reservoir is capable of meeting the additional disposal demands. Based on operator-provided production forecasts, it is anticipated that increased sour gas disposal capacity will be necessary by the first quarter (Q1) of calendar year 2027. In planning and preparing for this increased operator demand, Lea Midstream has prepared this amendment application seeking an increased disposal limit (i.e., up to 30 MMSCFD) for the White Russian AGI #1 well and will also be filing a separate Form C-108 application seeking authorization to construct a redundant AGI well at The Dude Processing Plant. Filing of the redundant well application will not only expeditiously fulfill relevant conditions of approval of NMOCD Order R-24043 but will provide Lea Midstream operational redundancy that ensures the upcoming sour gas disposal needs of local operations can continue to be met.

As it is critical to verify that the approved Siluro-Devonian injection reservoir can accommodate the requested 30 MMSCFD of TAG, within current operating pressure limitations, Lea Midstream has acquired well log, pressure, and temperature data from the recently drilled White Russian AGI #1 well. From these data, updated geologic assessments, reservoir modeling, and injection simulation evaluations have been prepared, which leverage core-calibrated petrophysical data and local reservoir mapping. Detailed analysis of these data has allowed for a better characterization of the subsurface structure, Siluro-Devonian reservoir properties, and confining units in the project area, and has allowed for the development of a more accurate characterization of the Siluro-Devonian injection reservoir. Subsequent injection simulations completed to support this request incorporate site-specific subsurface data collected while drilling the White Russian AGI #1 and clearly demonstrate that the approved Siluro-Devonian injection reservoir is capable of accommodating injection, as proposed by Lea Midstream (i.e., up to 30 MMSCFD).

Injection operations via the White Russian AGI #1 were initially authorized on October 11, 2025, through the issuance of NMOCC Order R-24043. The AGI well was approved as a UIC Class II injection well for

the general purpose of permanently sequestering treated acid gas (TAG) containing hydrogen sulfide (H_2S) and carbon dioxide (CO_2) into deep geologic strata of the Siluro-Devonian. White Russian AGI #1 was drilled as a deviated well at 1,607 ft. from the south line (FSL) and 1,991 ft. from the west line (FWL), in Section 17 of Township 19 South, Range 35 East. White Russian AGI #1 is currently approved to inject up to 12 MMSCFD at surface injection pressures not to exceed 4,593 psig. The AGI #1 well was completed in February of calendar year 2026.

Since the completion of the White Russian AGI #1, Lea Midstream has maintained compliance with all requirements of NMOCD Order R-24043 and is currently working to finalize and submit a redundant AGI well application for The Dude Processing Plant, which, pursuant to NMOCD Order R-24043, must be spudded within three (3) years of commencing injection in the White Russian AGI #1 well (i.e., calendar year 2029). To support operational redundancy at facility, Lea Midstream has expedited the development and preparation of this application and anticipate submittal of the redundant well application no later than in Q4 2026.

In accordance with the results of additional geological analyses, informed by site-specific geologic data collected during the drilling and completion of White Russian AGI #1, 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 White Russian AGI #1 well at the proposed rate of up to 30 MMSCFD, the resultant TAG plume would occupy an area of approximately six (6) square miles and would extend a maximum of approximately two (2) miles from Lea Midstream's The Dude Processing Plant. Gas saturation values are anticipated to range from 0 to 0.46 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, evaluation of the injection-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 additional subsurface data has allowed for a more detailed characterization of faults within the project area, there are no local features that exhibit offset sufficient to compromise injection reservoir confining strata and there are no features predicted to be at significant risk for injection-induced slip in response to the proposed injection activities. These activities include operation of the White Russian AGI #1 well, as proposed, and additional offset saltwater disposal (SWD) wells. These results confirm the findings of prior induced seismicity risk assessment activities, in that the operation of the AGI well is not anticipated to result in an increased risk for injection-induced fault slip in the area.

As the proposed increase of the maximum daily injection volume (up to 30 MMSCFD) reflects a significant change to the AGI well project, a re-evaluation of the White Russian AGI #1 well's Area of Review (AOR) was completed to ensure all oil and gas operators and interested parties (i.e., surface owners) have been identified and will be provided written notification of Lea Midstream's request and the associated NMOCD hearing to consider this matter.

In total, there are 28 wells within a modified one-mile radius of the White Russian AGI #1 well (Note that the area of review is referenced as "modified" as it comprises a one-mile area around the White Russian AGI #1 surface- and bottom-hole locations, as well as the deviated wellbore path). Specific information relating to active and plugged wells is summarized in Appendix A and Figures 10 and 11. Of these wells, six (6) are active and fifteen (15) are plugged. Additionally, there are seven (7) locations permitted, but

have not yet been drilled or completed. Active wells commonly target the Bone Spring Formation overlying the approved Siluro-Devonian injection reservoir and vertically isolated by numerous geologic intervals of low porosity and low permeability strata. Within the two-mile area of review, two wells penetrate the approved injection interval, including the active Wildrye SWD #1 (API: 30-025-51764) well and the plugged Toro 21 State Com #001Y well (API: 30-025-34492). As part of previously approved C-108 applications for the White Russian AGI #1 well, it has been demonstrated that the Toro 21 State Com #001Y well has been properly plugged and is not anticipated to be adversely impacted by operation of the Lea Midstream AGI well.

In re-evaluating the AGI well area of review, modified to reflect a one-mile buffer zone surrounding the surface- and bottom-hole locations and the as-built wellbore deviation path, Lea Midstream has 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 AGI well. Section 5.0 of this application includes the results from that review. These parties will be provided with notice of the application and associated NMOCD hearing, as well as a complete copy of the amendment application, upon receiving a hearing date to consider this matter.

As the proposed modifications to NMOCD Order R-24043 will ensure Lea Midstream is able to meet the upcoming sour-gas disposal needs of local operators, and thus, mitigate the potential for waste, Lea Midstream requests approval of this Form C-108 injection permit amendment application to increase the White Russian AGI #1 allowable daily injection volume to 30 MMSCFD. As demonstrated by reservoir modeling and injection simulation case studies, no modification to the current maximum allowable operating pressure limitation is required, and as such, is not requested in this submittal.

2.0 INTRODUCTION AND REQUEST FOR AMENDMENT OF NMOCD ORDER R-24043

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, Lea Midstream requests approval to amend the current daily injection volume limitation for the existing White Russian AGI #1 well (API: 30-025-55346). As proposed, this would increase the allowable daily injection volume from 12 MMSCFD to 30 MMSCFD. No modification or amendment of the currently approved surface injection pressure limitations for the AGI well are being proposed. The AGI well will operate within its current maximum allowable operating pressure (MAOP) of 4,593 psig. Furthermore, down-hole pressure conditions will continually be monitored and geologic data evaluated to ensure operating conditions (and the approved MAOP) do not exceed reservoir fracture pressure limitations.

Lea Midstream's request to increase the daily injection volume limitation for the White Russian AGI #1 well comes in response to an increasing operator demand for sour-gas treatment services, which is anticipated to increase substantially in Q1 of calendar year 2027. Production forecasts indicate that Lea Midstream clients will require approximately 30 MMSCFD of sour-gas disposal by Q1 of calendar year 2027. To ensure the disposal needs of local operations can be met, and thus preventing the potential waste of natural resources, Lea Midstream has initiated a facility improvement schedule to construct additional amine treatment process units in accordance with sour gas disposal forecasting. Concurrently, this application has been prepared and submitted seeking approval to increase the allowable injection volume, such that operator-produced gas resources can be accommodated at The Dude Processing Plant.

In accordance with prior discussions and guidance provided by NMOCD Underground Injection Control (UIC) personnel, regarding amendment applications for currently approved AGI wells, this application has been developed as a request to amend NMOCD Order R-24043 and includes specific application sections that address the issues that are the subject of this request for amendment, as well as additional critical application components, which relate to interested parties, evaluation of the area of review, updates to the geologic reservoir 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 Dude Processing Plant, for which the White Russian AGI #1 well services (Section 3.0)
- A detailed description of additional geologic analyses completed which confirms the currently approved injection reservoir's (i.e., Siluro-Devonian) ability to accommodate the additional disposal needs of Lea Midstream and local operators, up to 30 MMSCFD (Section 3.0 and 4.0)
- Updated geologic model, injection simulation, and induced-seismicity risk assessment, in accordance with updated geologic evaluation (Section 4.0)
- Re-evaluation of the White Russian AGI #1 Area of Review, modified to include the surface location and as-built bottomhole location, and the identification of oil and gas wells, active operators, lessees, and surface owners within the area of review (Section 5.0)

In addition, this application includes the following supporting information:

- **Appendix A:** Information on wells within one and two miles of the **White Russian AGI #1** surface location and bottomhole locations
- **Appendix B:** Summary of all interested parties identified and to be provided complete copies of the C-108 application and notified of the NMOCD hearing to consider this matter, example notification letters, and an example public notification

3.0 WHITE RUSSIAN AGI #1 PERMITTING HISTORY AND DESCRIPTION OF THE DUDE PROCESSING PLANT, AND ADDITIONAL GEOLOGIC ANALYSIS

The Dude Processing Plant, constructed and operated by Lea Midstream, is located in Section 17 of Township 19 South, Range 35 East, approximately twenty (20) miles southwest of Hobbs, New Mexico (Figures 1 and 2). The facility has been designed and constructed to utilize an acid gas injection well, the White Russian AGI #1, to dispose of waste acid gas (containing carbon dioxide and hydrogen sulfide). The well disposes of these wastes via injection into deep geologic reservoirs that underly local production intervals and themselves are not productive of oil and gas. In the following sections we provide a brief summary of the AGI well permitting history, a description of the gas processing facility, and descriptions of additional geologic analysis completed in support of this application.

3.1 PERMITTING HISTORY AND AUTHORIZATION FOR INJECTION (WHITE RUSSIAN AGI #1)

In accordance with the original design considerations for The Dude Processing Plant, acid gas injection (AGI) wells were selected as the primary method for handling sour gas waste products by Lea Midstream. The initial AGI well at the facility, the White Russian AGI #1 (API: 30-025-55346) was authorized by the New Mexico Oil Conservation Division on October 11, 2025 (NMOCD Order R-24043, Appendix C), following technical and administrative review and a public hearing (Case #25413) to consider the matter. As approved, the White Russian AGI #1 well was authorized to inject up to a maximum of twelve (12) million standard cubic feet per day (MMSCFD) at a surface injection pressure not to exceed 4,593 psig. Drilling activities for the White Russian AGI #1 well commenced on November 4, 2025, and were completed by February 23, 2026. The White Russian AGI #1 well is anticipated to be commissioned and placed in service in Q4 2026.

In accordance with the redundant well requirements of NMOCD Order R-24043 (see Special Condition 17), Lea Midstream must attain approval and construct (or at least spud) a second AGI well at the facility within three (3) years of commissioning the White Russian AGI #1 well. Lea Midstream recognizes the importance and operational redundancy benefits provided by multiple AGI wells and is currently in the process of finalizing a companion (i.e., redundant) AGI well location review and C-108 application. Furthermore, to ensure long-term sustainability of the proposed injection rate of 30 MMSCFD for the White Russian AGI #1 well, Lea Midstream intends submit the redundant well application no later than Q4 2026.

In accordance with the approved C-108 well application, the White Russian AGI #1 was drilled as a deviated well from a surface location at 1,607 ft. FSL and 1,991 ft. FWL, in Section 17 (T19S, R35E), to a bottom-hole location at approximately 2,338 ft. FNL and 188 ft. FWL, within the same Section 17 (Figure 2). Following construction activities, mechanical integrity testing was performed and witnessed by NMOCD, to confirm the adequacy of drilling and completion activities. The White Russian AGI #1 well is expected to be commissioned and placed in service in Q4 2026.

Following approval and the construction of the White Russian AGI #1 well, the demand for sour-gas treatment services has continued to rise, and The Dude Processing Plant is anticipated to require a TAG disposal capacity of up to 30 MMSCFD by Q1 2027 in order to meet the forecast demands of local operators. This operator-forecasted demand forms the basis of Lea Midstream's request to amend NMOCD Order R-24043 to allow an increased daily injection volume of up to 30 MMSCFD. In support of this request, and in accordance with related conditions of approval, Lea Midstream has continued to

refine geologic characterization models of the project area, completed detailed petrophysical analysis and evaluation of subsurface geologic and AGI well test data, and has completed additional geologic modeling and simulation activities. The results of these evaluations confirm the feasibility of Lea Midstream's request and are further discussed in Section 4.0.

3.2 LOCATION OF THE DUDE PROCESSING PLANT AND WHITE RUSSIAN AGI #1 WELL

Figure 1 shows the general location of the White Russian AGI #1 well and The Dude Processing Plant, approximately twenty (20) miles southwest of Hobbs, New Mexico. Figure 2 includes a detailed location map showing the facility and the surface- and bottom-hole location of the White Russian AGI #1 well, in Section 17 of Township 19 South, Range 35 East. Acid gas treatment, compression, and injection process areas are generally located in the southeast areas of the facility property, in order to isolate these processes, avoid significant surface transmission of TAG, and minimize the potential risk to facility personnel. The Dude Processing Plant and AGI well have been constructed on surface lands wholly owned by Lea Midstream, LLC.

Specific geographic location coordinates for the White Russian AGI #1 well is included below:

White Russian AGI #1

Surface Location Latitude/Longitude (NAD83): 32.657656, -103.481600

Bottom-Hole Location Latitude/Longitude (NAD83): 32.661345, -103.487457

As described previously, White Russian AGI #1 was constructed as a deviated (or inclined) well from a surface location on the existing Lea Midstream The Dude Processing Plant property to a bottom-hole location approximately 2,312 feet to the west-northwest. The well was constructed utilizing multiple (i.e. five) telescoping strings of casing to ensure isolation of groundwater resources, oil and gas producing zones, and intervals of potential lost circulation and high-pressure conditions. Figure 3 includes the as-built well schematic for the White Russian AGI #1 well.

3.3 ADDITIONAL GEOLOGIC ANALYSIS AND RESERVOIR CHARACTERIZATION IN SUPPORT OF THE C-108 APPLICATION

As described previously, Lea Midstream has continued in their efforts to improve the analysis of subsurface geology in the area of the The Dude Processing Plant, as operator demands for sour-gas disposal have increased since the original permitting of the White Russian AGI #1 well. As part of this analysis, Lea Midstream has collected site-specific subsurface geophysical data, sidewall core samples of reservoir and caprock geologic units, and completed detailed injection testing, and retained Geolex, Inc. for the purposes of (1) refining existing geologic interpretations and improving the understanding of porosity development and distribution within the approved Siluro-Devonian injection reservoir, (2) confirming and refining structural interpretations and fault identification, and (3) improving the accuracy of injection operations forecasting (i.e., geo-modeling and simulation) and induced seismicity risk assessments, and (4) confirming the feasibility of injection up to 30 MMSCFD for the White Russian AGI #1 well.

In refining the analysis of subsurface geology, Lea Midstream has completed detailed, core-calibrated petrophysical analyses and updated geologic mapping within the project area to better characterize subsurface reservoir and confining strata attributes. Analysis and interpretation of these data form the

basis in confirming the currently approved Siluro-Devonian injection reservoir's capability of accommodating the proposed additional disposal volume (up to 30 MMSCFD). Specifically, core-calibrated, site-specific geophysical and analytical data have allowed Lea Midstream to more accurately characterize porosity development within the Siluro-Devonian injection reservoir and better understand regional porosity development across the project area. The results of these analyses provide critical information regarding not only reservoir storage capacity, but also the continuity and interconnectivity of porous strata.

From petrophysical analysis and core examination, significant porosity development produced from karst dissolution processes is apparent and appears interconnected across the greater project. As anticipated, porosity development is significant in the intervals of upper Devonian and Fusselman formation strata, however, substantial additional porosity and reservoir capacity was observed within carbonate strata of the Wristen Formation. Based on the results of core analyses, log interpretation, and updated geologic mapping, Siluro-Devonian log-based effective porosity attributes were determined to range from less than 1% to approximately 6.7%, with an average, local porosity of approximately 6% at the White Russian AGI 1 BHL location.

Siluro-Devonian permeability characteristics were initially identified through review of available published literature inclusive of dolomite permeability core studies (Lucia et al., 1995), drill-stem test (DST) and injection reservoir testing data, and available offset well operating data. Based on these observations, White Russian AGI #1 sample collection and analyses, and well-testing results, Siluro-Devonian permeability attributes were identified to generally range from less than 1 mD to approximately 21.9 mD, with an average reservoir permeability of approximately 8.7 mD. As operation of the White Russian AGI #1 well continues, and subsequent history-matched reservoir simulations are completed in accordance with NMOCD Order R-24043, characterization of effective reservoir permeability attributes will continue to be further refined and improved.

In addition to providing a more accurate characterization of reservoir attributes, drilling activities for the White Russian AGI #1 well have yielded a better understanding of subsurface structure and reservoir geometry within the project area and provide further support for fault interpretations provided by the original Form C-108 application process. Figure 4 includes a map of fault features confirmed and/or inferred through analysis of these data and local geologic mapping of the project area. Generally, patterns of faulting do not significantly differ from prior interpretations supporting the White Russian AGI #1 well project. For all identified features, there is no indication that the magnitude of offset is greater than the thickness of the Woodford Shale upper confining strata, and thus, does not compromise the ability to contain acid gas within the permitted injection reservoir.

From our review and analysis of site-specific subsurface data (e.g., geophysical logs, sidewall cores, injection test data, etc.), an updated reservoir characterization model was developed to be utilized for injection simulation investigations to evaluate the feasibility of increasing the allowable injection volume to 30 MMSCFD for the White Russian AGI #1 well. The results of these case simulations are discussed further in Section 4.0 and confirm the capability of the approved Siluro-Devonian injection reservoir in accommodating TAG injection volumes, as proposed and requested by Lea Midstream.

4.0 UPDATED GEOLOGIC MODELING, SIMULATION, AND INDUCED SEISMICITY RISK ASSESSMENT

In preparing this application, Lea Midstream has completed additional reservoir characterization modeling, injection simulation, and induced seismicity risk evaluations in accordance with the updated and on-going assessment of local geology. These updates are described in the following pages and confirm the approved Siluro-Devonian reservoir's suitability for acid gas disposal operations, at the volumes proposed by the operator.

4.1 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 daily injection rate (i.e., up to 30 MMSCFD), Geolex collaborated with Sproule-ERCE to revise and update the reservoir characterization model and produce new injection forecasts (i.e., injection simulation), informed and incorporating the recently acquired site-specific geophysical and sample data and resultant mapped porosity attributes. This modeling evaluation was completed utilizing Schlumberger Petrel to construct a geologic simulation grid informed by available subsurface data and analyses. Schlumberger's Eclipse platform was then utilized to complete simulations representative of the injection scenario proposed for the White Russian AGI #1 well (i.e., up to 30 MMSCFD).

The geologic simulation grid constructed as the environment in which the proposed injection scenario was simulated, is comprised of 171 simulation layers characterizing seven (7) discrete depth intervals identified within the Siluro-Devonian reservoir and Woodford Shale confining strata. In total, the model simulation grid is comprised of 4,099,896 cells. Based upon available and accessible subsurface data, faults are not interpreted or publicly reported within the immediate area of the White Russian AGI #1 well (e.g., within a two-mile radius area of review), however, within the greater project area, the reservoir characterization model includes subsurface fault features interpreted from well-log analysis and/or based on published literature (i.e., Horne et al., 2021, *Basement-rooted faults of the Delaware Basin and Central Basin Platform, Permian Basin, West Texas and Southern New Mexico*). As such, faults located 4.5-miles, or greater, from the White Russian AGI #1 location are included and represented in the reservoir model. As they are relevant to critical injection simulation results, the model also incorporates offsetting Siluro-Devonian injection wells, which ultimately contribute to pressure and well operating conditions within the target reservoir.

Porosity attributes within the reservoir characterization model are based on regional geologic mapping, site-specific core sampling and laboratory analysis, geophysical log interpretation, and injection well testing activities relevant to the Siluro-Devonian injection reservoir. From these analyses and interpretations, Siluro-Devonian reservoir porosity was determined to range from less than 1% to approximately 6.7%. The model distribution is shown in Figure 5.

In defining permeability attributes, multiple data sources were utilized to identify baseline relationships between porosity and permeability, including injection reservoir test data, DST, injection well operating data, sidewall core porosity and permeability data, and published core-analysis data (e.g., Lucia et al., 1995). Permeability within the reservoir model, averaged by zone, generally ranges from 0.02 to 21.9 millidarcies (mD), with an average model permeability of 8.7 mD. The total model (all zones) permeability distribution is shown in Figure 5 and Table 1 below summarizes geologic model zones defined, zone thickness, and average model porosity and permeability by zone.

Table 1. Summary of geologic model zone thickness and model porosity and permeability attributes

Zone #	Thickness (ft)	Avg. Porosity (%)	Avg. Permeability (mD)
1	230	3.7	7.7
2	96	1.5	5.8
3	200	3.0	7.1
4	187	6.7	21.9
5	151	1.9	0.02
6	319	4.2	0.59
7	255	4.8	17.88

With the constructed geologic model, injection operations for the White Russian AGI #1 and the relevant offsetting SWD wells were simulated (i.e., dynamic modeling) utilizing the Schlumberger Eclipse platform. Dynamic modeling was utilized to simulate injection of a mixed acid gas stream containing H₂S (30%) and CO₂ (70%) at a constant rate of 30 MMSCFD into the currently approved Siluro-Devonian injection reservoir. Reservoir pressure conditions initially reflect a normally pressured system (based on measurements recorded while drilling the White Russian AGI #1 well), however, the evolution of reservoir pressure is considered as all simulation cases include history matching of currently active injection wells in the area. To ensure a conservative estimate of plume size, the injection simulations do not consider acid gas dissolution into existing formation fluids.

In support of this C-108 application and Lea Midstream's request to increase the allowable injection volume for White Russian AGI #1 well, two dynamic model simulations are presented, which estimate the size and characteristics of the resultant acid gas injection plume, following operation White Russian AGI well at a rate of 30 MMSCFD, along with nearby Siluro-Devonian SWD wells. Simulations consider operation of the subject AGI well and the nearby Wildrye SWD #1 well at operating rates of 30 MMSCFD and 45,000 barrels per day, respectively. Case 1 reflects injection well operations in a subsurface environment in which faults are fully transmissive of fluids, while Case 2 considers faults to be non-transmissive of fluids. From these simulation end members, conservative estimates of plume size and plume migration directions are identified.

The results of Case 1 and Case 2 injection simulations are illustrated in Figures 6 and 7, for transmissive and non-transmissive faults, respectively. Following the 30-year injection period, the resultant TAG plume is anticipated to occupy a maximum area of approximately six (6) square miles generally extending up to two (2) miles from the Lea Midstream Treatment Facility. For all case simulations, results indicate that acid gas injection operations, up to 30 MMSCFD, can be maintained for the complete 30-year simulation period. Furthermore, injection activities at the proposed daily rates are sustained within anticipated and currently approved surface injection pressure limitations.

4.2 INDUCED SEISMICITY RISK ASSESSMENT UPDATES

In support of this request to amend NMOCD Order R-24043, and in accordance with recent and on-going geologic analysis, we present updates to the evaluation of injection-induced seismicity risk. This evaluation now incorporates additional subsurface characterization resulting from the analysis of site-specific subsurface information collected during the drilling and completion activities for the White Russian AGI #1 well.

To evaluate the potential for seismic events in response to injected fluids, an induced seismicity risk assessment was conducted in the area of Lea Midstream facility and associate White Russian AGI #1 well. This assessment models the impact of eight (8) proximal and 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 subsurface geologic data and published literature, Geolex identified eight (8) faults, generally striking northwest to southeast and northeast to southwest, and located within approximately eight (8) miles of the White Russian AGI #1 well (Figure 4). These features are all located a significant distance from the White Russian AGI #1 well. Due to the low number of wells in relatively close proximity to these features, their significant distance from the White Russian AGI #1 well and considering the relatively small injection volumes proposed for the White Russian AGI (i.e., approximately equivalent to 11,466 barrels per day), the White Russian AGI #1 well is not anticipated to contribute significantly to the risk for injection-induced fault slip. To verify these structures would not be adversely affected by operation of the AGI well, as proposed (i.e., up to 30 MMSCFD), 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 2. Additionally, Table 3 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 wells. To ensure a conservative fault slip potential estimate, the White Russian AGI #1 well was simulated 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. Characteristics of acid gas at anticipated reservoir conditions, as modeled by AQUALibrium™, are shown in Table 2.

Table 2. Input parameters and source material for FSP simulation

Modeled Parameter	Input Value	Variability (+/-)	UOM	Source
<i>Stress</i>				
Vertical Stress Gradient	1.05	0.105	psi ft ⁻¹	Nearby well estimate
Max Horizontal Stress Direction	N70E	0	Deg.	Lund Snee & Zoback, 2018
Reference Depth	11,500	0	ft	Nearby well evaluation
Initial Res. Pressure Gradient	0.456	0.0456	psi ft ⁻¹	Lund Snee & Zoback, 2018
A _φ Parameter	0.65	0.065	-	Lund Snee & Zoback, 2018
Reference Friction Coefficient (μ)	0.6	0.06	-	Standard Value
<i>Hydrologic</i>				
Aquifer Thickness	1,438	155	ft	Nearby well evaluation
Porosity	6.0	0.6	%	Nearby well evaluation
Permeability	8	.8	mD	Nearby well evaluation
<i>Material properties</i>				
Density (Water)	1040	40	kg m ⁻³	Standard Value
Dynamic Viscosity (Water)	0.0008	0.0001	Pa.s	Standard Value
Fluid Compressibility (water)	3.6 x 10 ⁻¹⁰	0	Pa ⁻¹	Standard Value
Rock Compressibility	1.08 x 10 ⁻⁹	0	Pa ⁻¹	Standard Value
<i>Acid gas @ 211 °F, 7,309 psi</i>				
Density	806.67	-	kg m ⁻³	AQUALibrium™
Dynamic Viscosity	0.0000849	-	Pa.s	AQUALibrium™

Daily maximum injection volumes utilized in the FSP model range from 916 to 45,000 bpd (Table 3). In submission of this application, Lea Midstream is requesting approval to operate the existing White Russian AGI #1 well at an increased rate (i.e., up to 30 MMSCFD) for a period of at least 30 years. This simulation includes a history matching period of thirty-two additional years to ensure the simulation results also consider the historical impact of injection wells that have been operating since 1994. Figure 8 shows the resultant pressure front, single well radial solutions, and the predicted pressure change at the fault segment midpoints; Figure 9 shows the model-predicted fault slip potential for all wells operating at maximum capacity, including the White Russian AGI #1. The predicted pressure change along each fault segment, model-derived pressure change required to induce slip, and model-predicted actual pressure change are summarized in Table 4 below.

Table 3. Location and operating parameters of injection wells modeled in FSP assessment

#	API	Well Name	Latitude	Longitude	Volume (bbls/day)	Start (year)	End (year)
1	30-025-55346	White Russian AGI #1	32.661345	-103.487457	11,466	2026	2057
2	30-025-51764	Wildrye Fee SWD #1	32.652154	-103.471636	45,000	2025	2057
3	30-025-42461	Wild Cobra 1 State #2	32.695237	-103.517073	3,634	2015	2057
4	30-025-03137	Reeves 26 #4	32.715778	-103.431290	2,490	2008	2023
5	30-025-03142	State Section 27 #2	32.720375	-103.438820	9,225	1994	2024
6	30-025-03150	South Vacuum Unit #351	32.705776	-103.425850	4,449	2005	2057
7	30-025-29021	Arco State SWD #2	32.741569	-103.459976	916	1994	2024
8	30-025-37122	South Vacuum #274	32.713882	-103.438919	4,878	2014	2057

Table 4. Summary of model-simulation results showing the required pressure change to induce fault slip, actual pressure change as predicted by the FSP model, and probability of slip at the end of the 30-year injection scenario.

Fault #	Δ Pressure (psi) to induce slip	Actual Δ Pressure (psi) at fault midpoint at year 2057	Fault Slip Potential at year 2057
1	2852	65	0.00
2	4535	138	0.00
3	5370	200	0.00
4	3998	306	0.00
5	1960	285	0.01
6	5676	277	0.00
7	3609	201	0.00
8	4021	102	0.00
9	5831	64	0.00
10	5446	11	0.00
11	3510	3	0.00
12	3190	3	0.00
13	4627	3	0.00
14	1691	2	0.00
15	4005	2	0.00
16	5386	1	0.00
17	5210	0	0.00
18	2126	3	0.00
19	1461	1	0.00
20	1541	2	0.00
21	1462	0	0.00
22	5917	4	0.00
23	5212	1	0.00
24	5156	0	0.00
25	5908	0	0.00
26	3040	0	0.00
27	5786	0	0.00
28	1329	0	0.00
29	5878	0	0.00
30	5923	0	0.00
31	5748	0	0.00

Generally, faults considered in this assessment are predicted by the FSP model to have very low to low potential probability for injection-induced slip and the proposed White Russian AGI #1 operations are not predicted to contribute significantly to the total resultant pressure front and resultant fault slip probability estimates. As per a recently released NMOC report, on February 11, 2025, limited seismic activity was observed near the South Vacuum fault system, approximately 5.8 to 8 miles northeast of the White Russian AGI #1 well. This reported seismic activity was of limited magnitude, (typically less than 2.5 to

a maximum of 3.3) and of a very limited, discrete time window of June 27th to June 30th of calendar year 2020. No prior or additional seismic events for the South Vacuum fault system or within the area of the White Russian AGI #1 well have been reported by the U.S. Geological Survey (USGS) or the New Mexico Seismological Network (NMTSO).

5.0 RE-EVALUATION OF THE WHITE RUSSIAN AGI #1 AREA OF REVIEW

As Lea Midstream's request to increase the allowable injection volume for the White Russian AGI #1 well, up to 30 MMSCFD, reflects a substantial change in operating conditions at The Dude Processing Plant, re-evaluation of the AGI well area of review was completed. This review is necessary to ensure all oil and gas operators and all interested parties have been identified, such that they can be provided with notice of the NMOCD hearing to consider this matter and be provided with complete copies of the C-108 amendment application and request. Furthermore, re-evaluation of the AGI well's area of review is necessary to confirm that no new wells penetrating the injection reservoir have been drilled.

For the purposes of identifying and evaluating oil and gas activities, operators, and other interested parties within the AGI well project area, the one-mile area of review is displayed as a one-mile buffer area around the AGI well surface location, bottom-hole location, and along the deviated wellbore path of White Russian AGI #1.

5.1 OIL AND GAS WELLS ACTIVITIES IN THE ONE MILE AREA OF REVIEW

Appendix A summarizes all NMOCD recorded wells within a one- and two-mile radius of the White Russian AGI #1 well. The location of these wells is illustrated in Figures 10 and 11, and include active, plugged, and permitted well locations.

In total, there are 28 wells within the one-mile radius of the White Russian AGI #1 well. Specific information relating to active and plugged wells, within one and two miles of the AGI well location, is summarized in Appendix A and their locations are shown in Figure 10. Of these wells, six (6) are active and fifteen (15) are plugged. Additionally, there are seven (7) locations permitted, but have not yet been drilled or completed. All wells within the one-mile area of review are summarized in Appendix A. Active wells commonly target the Bone Spring Formation, which overlies the approved Siluro-Devonian injection reservoir and is vertically separated by approximately 4,000 feet of geologic strata containing low porosity and low permeability rock units.

Within two miles of the White Russian AGI well, there are 213 wells (Appendix A, Figure 11). Of these, there are 26 active wells, 72 permitted wells, and 115 wells that have been plugged and abandoned.

There are two wells within the two-mile area of review that penetrated the approved Siluro-Devonian injection reservoir (Table 5). These include the Wildrye Fee SWD #1 (API: 30-025-51764), an active SWD located approximately 0.7 miles from the White Russian AGI #1 surface-hole location (Approx. 1.1 miles from the bottom-hole location). The well was drilled to a total depth of 15,575 feet and is permitted to inject through an open-hole injection interval of Siluro-Devonian geologic strata. The remaining well penetrating the Siluro-Devonian injection reservoir is the Toro 21 State Com #001Y, which has been plugged and abandoned and is located approximately 1.7 miles from the White Russian AGI #1 surface location. As part of previously approved C-108 applications for the White Russian AGI #1 well, it has been demonstrated that the Toro 21 State Com #001Y well has been properly plugged and is not anticipated to be adversely impacted by operation of the AGI well, as proposed.

Table 5. Summary of wells penetrating the approved Siluro-Devonian injection reservoir within two miles of the White Russian AGI #1 well.

API #	Well Name	Status/Type	Pool	Lat 83	Long 83	TVD
30-025-34492	Toro 21 State Com #1Y	Plugged	Wolfcamp, Devonian	32.6469	-103.4561	13960
30-025-51764	Wildrye Fee SWD #1	Active	Dev-Sil	32.6522	-103.4716	15575

5.2 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 existing White Russian AGI #1 well surface location, bottom-hole location, and deviated wellbore path. The results of this review are included in Table B-1 (Appendix B) and location maps identifying surface ownership, active operators, and lessees are included in Figures 12 and 13.

Upon issuance of an NMOCD hearing date to consider the matter of Lea Midstream's request to amend Order R-24043, all interested parties will be provided with written notice of the associated NMOCD hearing and will be provided complete copies of the Form C-108 Amendment Application. Appendix B includes an example notification letter that will be provided to interested parties, as well as an example public notice that may be utilized by Division staff or published in local newspapers, as necessary.

6.0 LEA MIDSTREAM'S REQUEST OF THE NMOCD

In submitting this C-108 application, Lea Midstream seeks and requests approval to increase the allowable daily injection volume of the White Russian AGI #1 well to 30 MMSCFD, through the amendment of NMOCD Order R-24043. Currently, the AGI well is authorized to inject a daily volume up to 12 MMSCFD at a maximum allowable injection pressure not to exceed 4,593 psig.

As previously described, Lea Midstream's request to increase the daily injection volume limitation comes in response to an increasing operator demand for sour-gas treatment and disposal services, which is expected to increase substantially in early 2027. Production forecasts indicate that Lea Midstream customers (i.e., oil and gas production operators) will require approximately 30 MMSCFD of sour-gas disposal by early 2027 (i.e., Q1 2027). To ensure the treatment and disposal needs of local operators can be met, Lea Midstream has prepared this application seeking additional injection volume and has initiated facility improvements to increase their total facility throughput capacity in accordance with sour-gas disposal forecasting. Approval of Lea Midstream's request will ensure the needs of local operators can be met, reduce the potential for waste of natural resources, and will ensure sour-gas disposal capacity is approved and available coincident with on-going facility improvements to increase treatment capacity.

Through the results of geologic analysis leveraging site-specific geologic data, reservoir modeling, and injection simulation activities, it is clear that the currently approved Siluro-Devonian injection reservoir is adequately capable of accommodating operation of the White Russian AGI #1 well at the increased rate of 30 MMSCFD. Furthermore, operation of the AGI well, as proposed, is not predicted to produce an elevated risk for injection-induced seismicity in the area. As such, Lea Midstream respectfully requests approval of this application and authorization to operate White Russian AGI #1 well at a maximum daily rate of up to 30 MMSCFD.

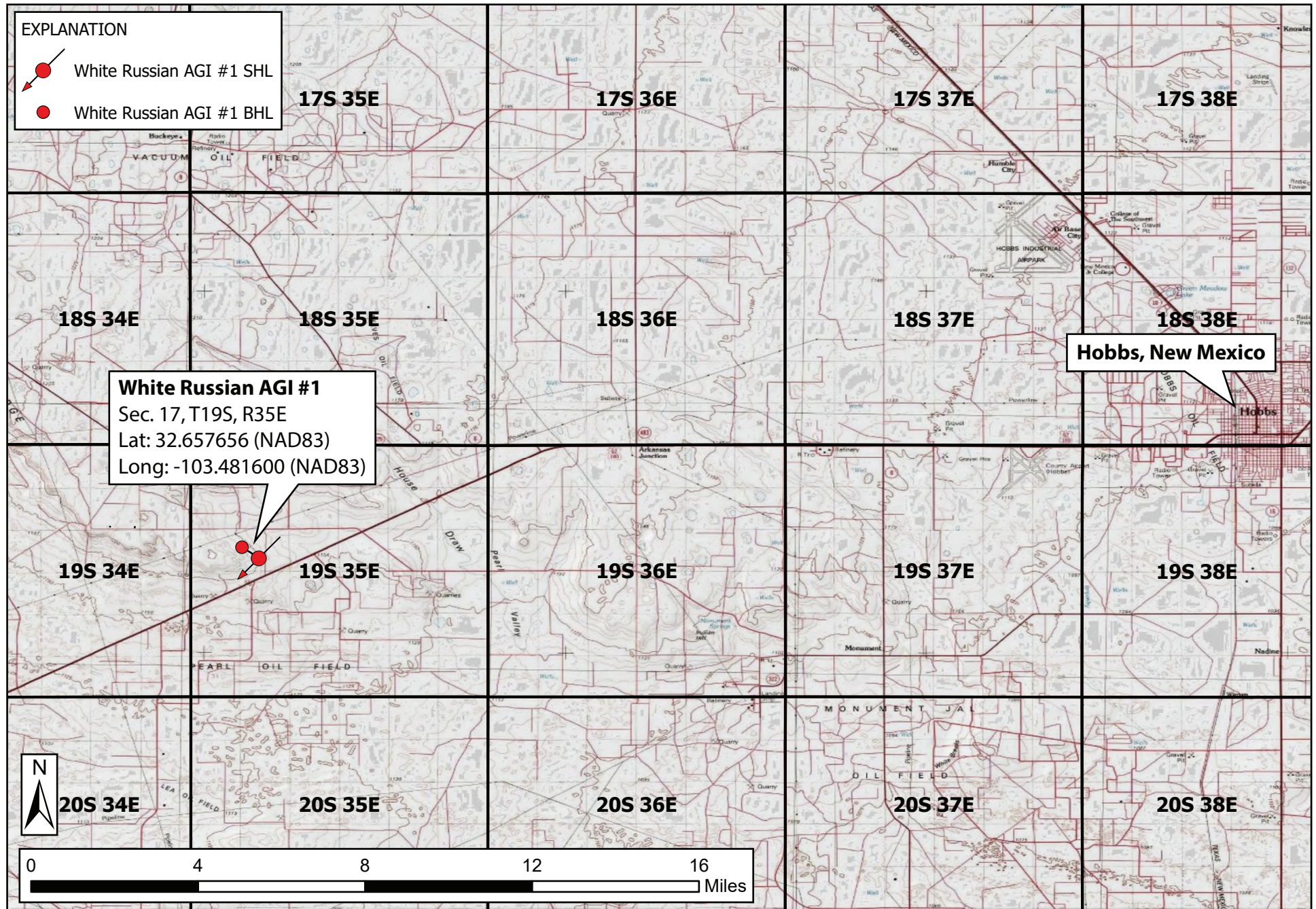


Figure 1. General location map of the existing White Russian AGI #1 well (API: 30-025-55346) in Section 17 of Township 19 South, Range 35 East, approximately 20 miles west of Hobbs, NM

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Figure 2. Aerial photographic location map showing the as-drilled White Russian AGI #1 well surface- and bottom-hole locations, and surface lands where the Dude Processing Plant has been constructed.

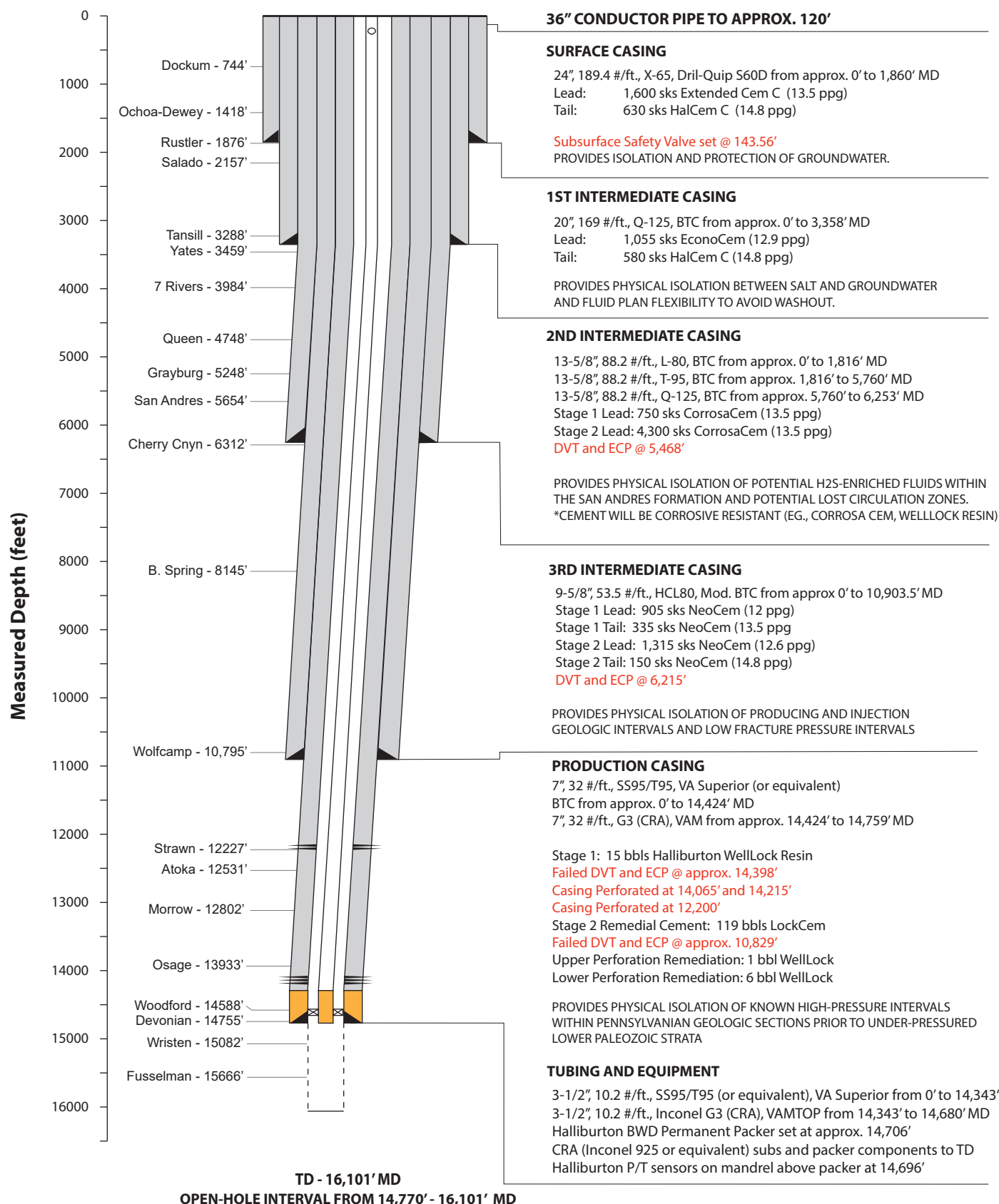
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White Russian AGI #1

Lea Midstream -- S17, T19S, R35E

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

Revision 02/8/2026

Figure 3. As-built White Russian AGI #1 (API: 30-025-55346) well schematic

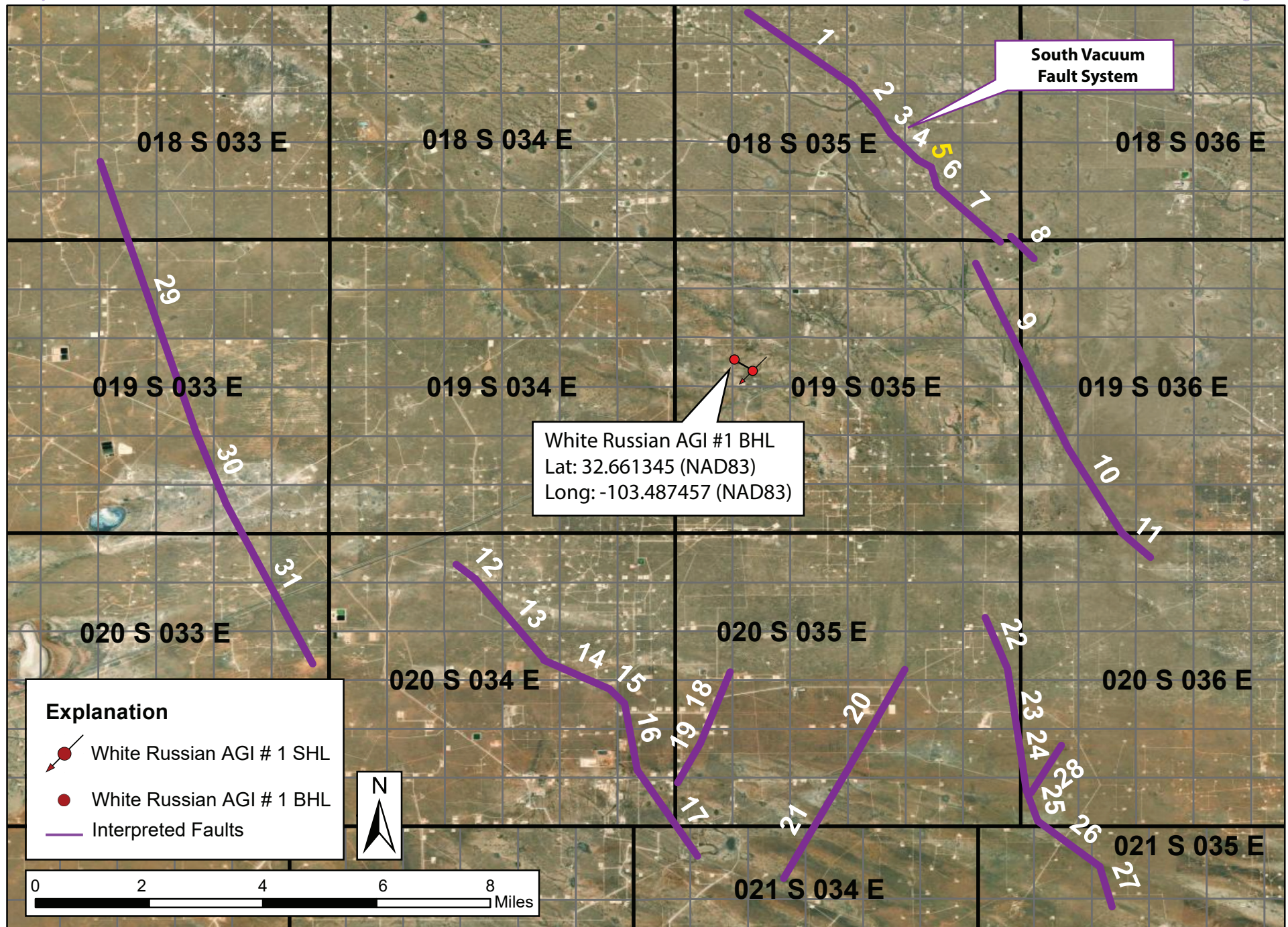


Figure 4. Subsurface fault features interpreted from well control and published literature in the vicinity of the White Russian AGI #1. Fault segments are annotated for reference in FSP simulation results regarding induced seismicity risk. Fault segments model-predicted to have risk for slip are annotated in yellow.

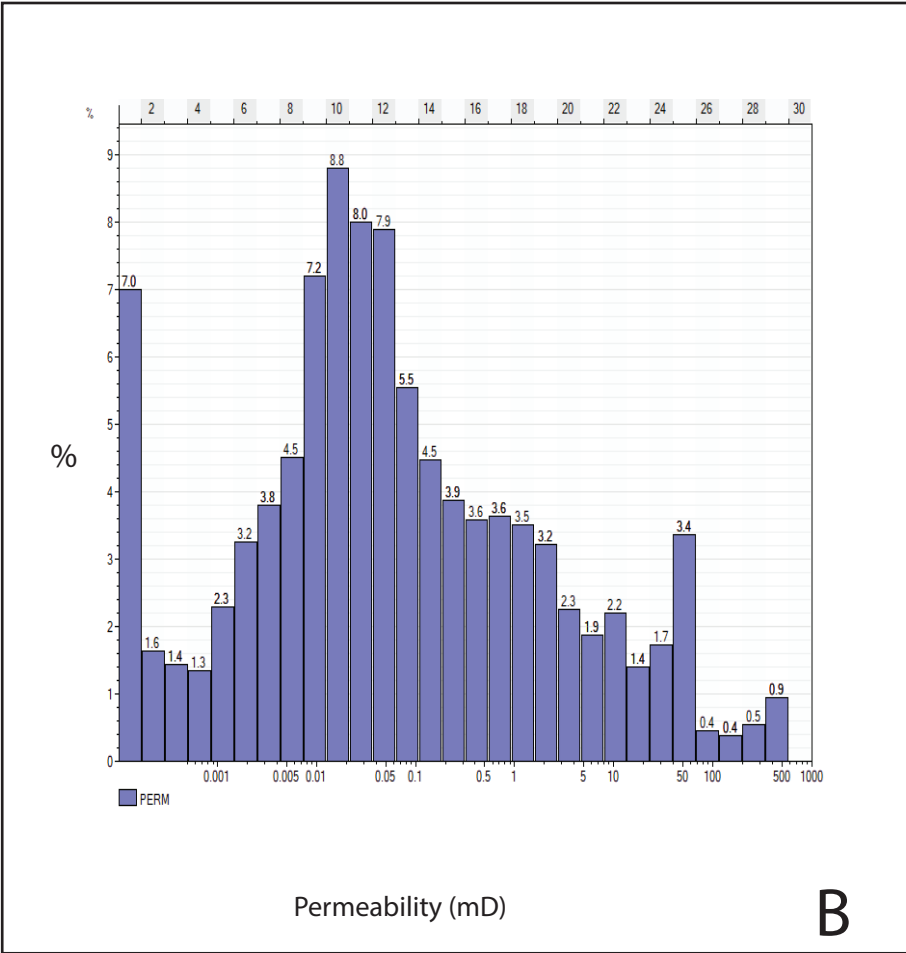
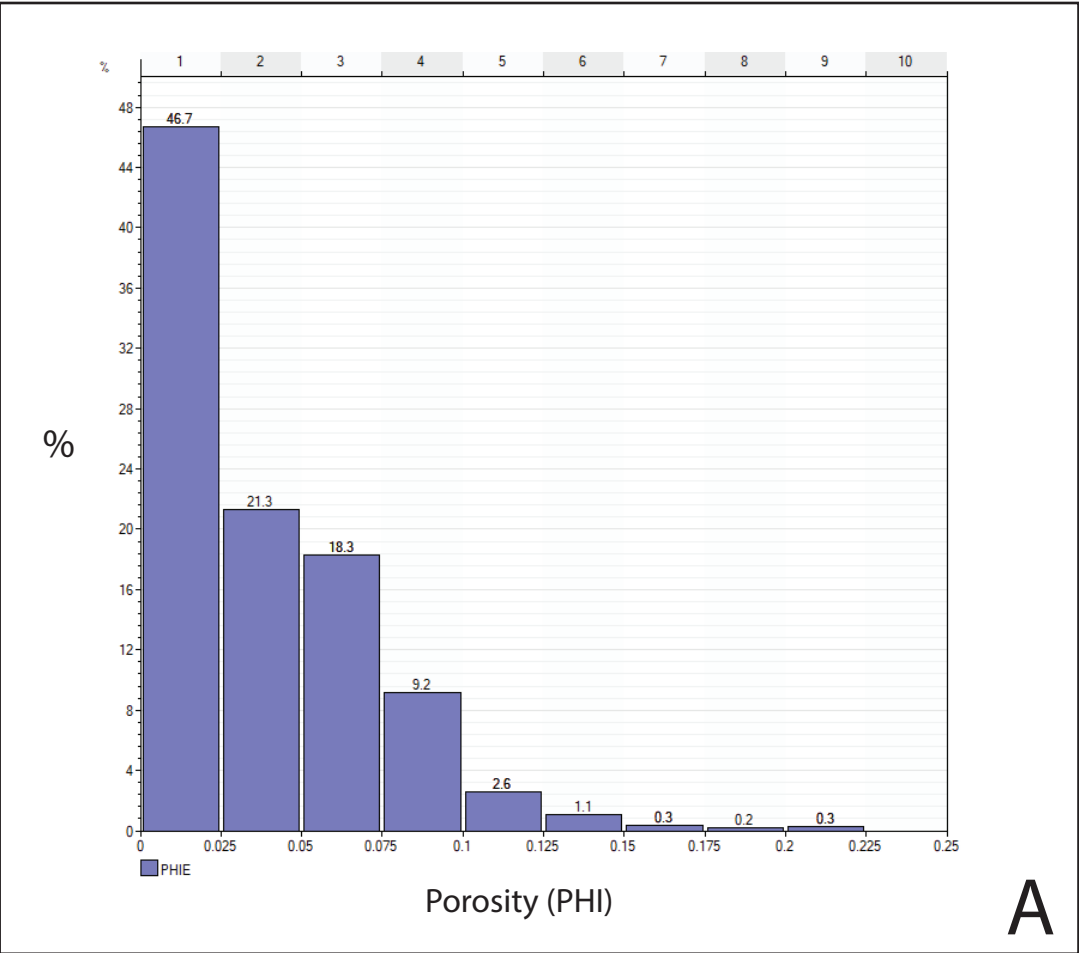


Figure 5. Distribution of porosity (panel A) and permeability (panel B) for all geo-model layers.

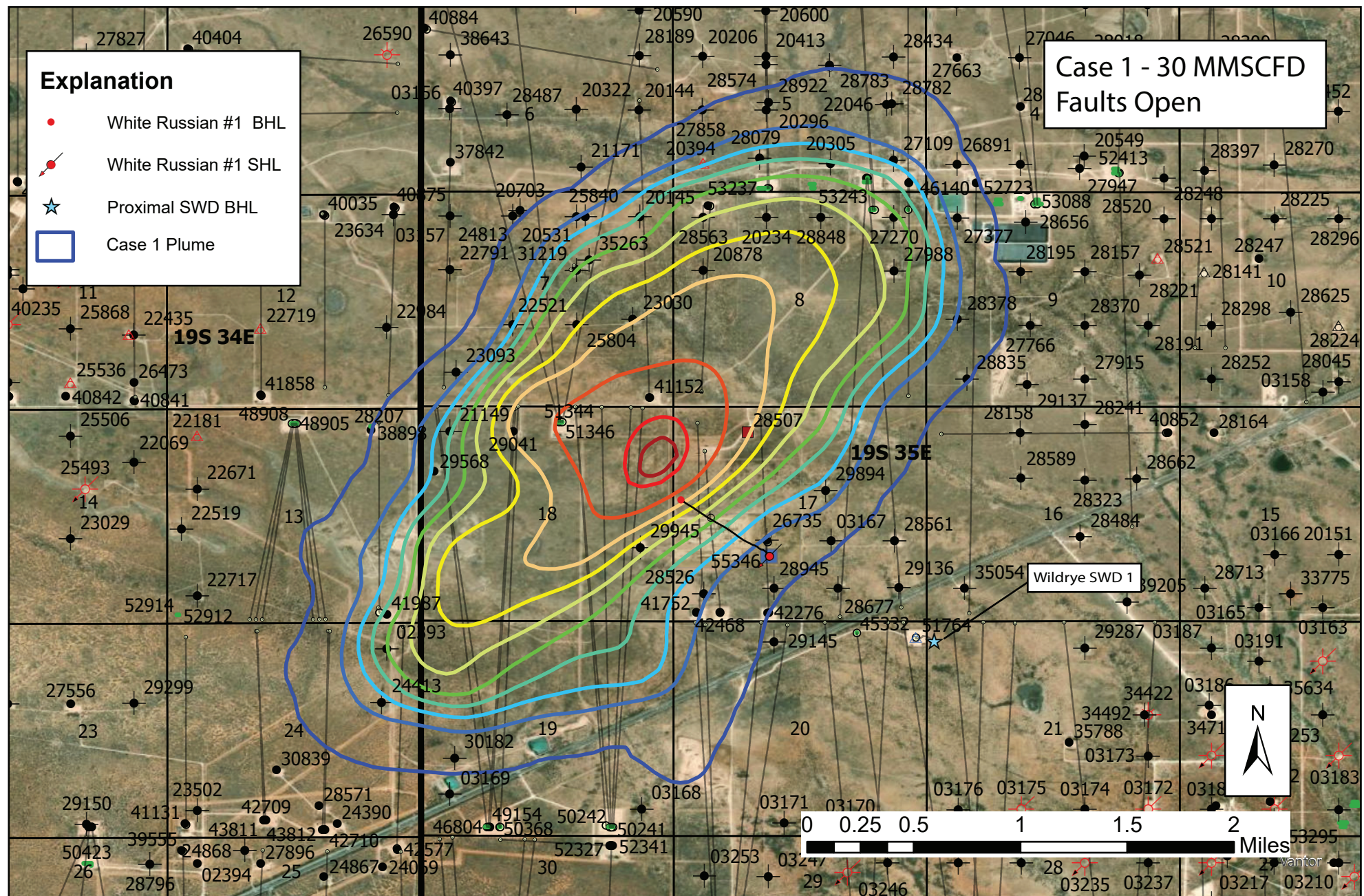


Figure 6. Summary of Eclipse simulation results for Case 1. This map displays the simulated acid gas plume following 30 years of injection at the maximum proposed rate. Contours of gas saturation are depicted ranging from 0 to 46% - 5% increments. Offset wells are identified by last five digits of their respective API numbers. Offset Siluro-Devonian SWD (Wildrye #1) is identified with the blue star.

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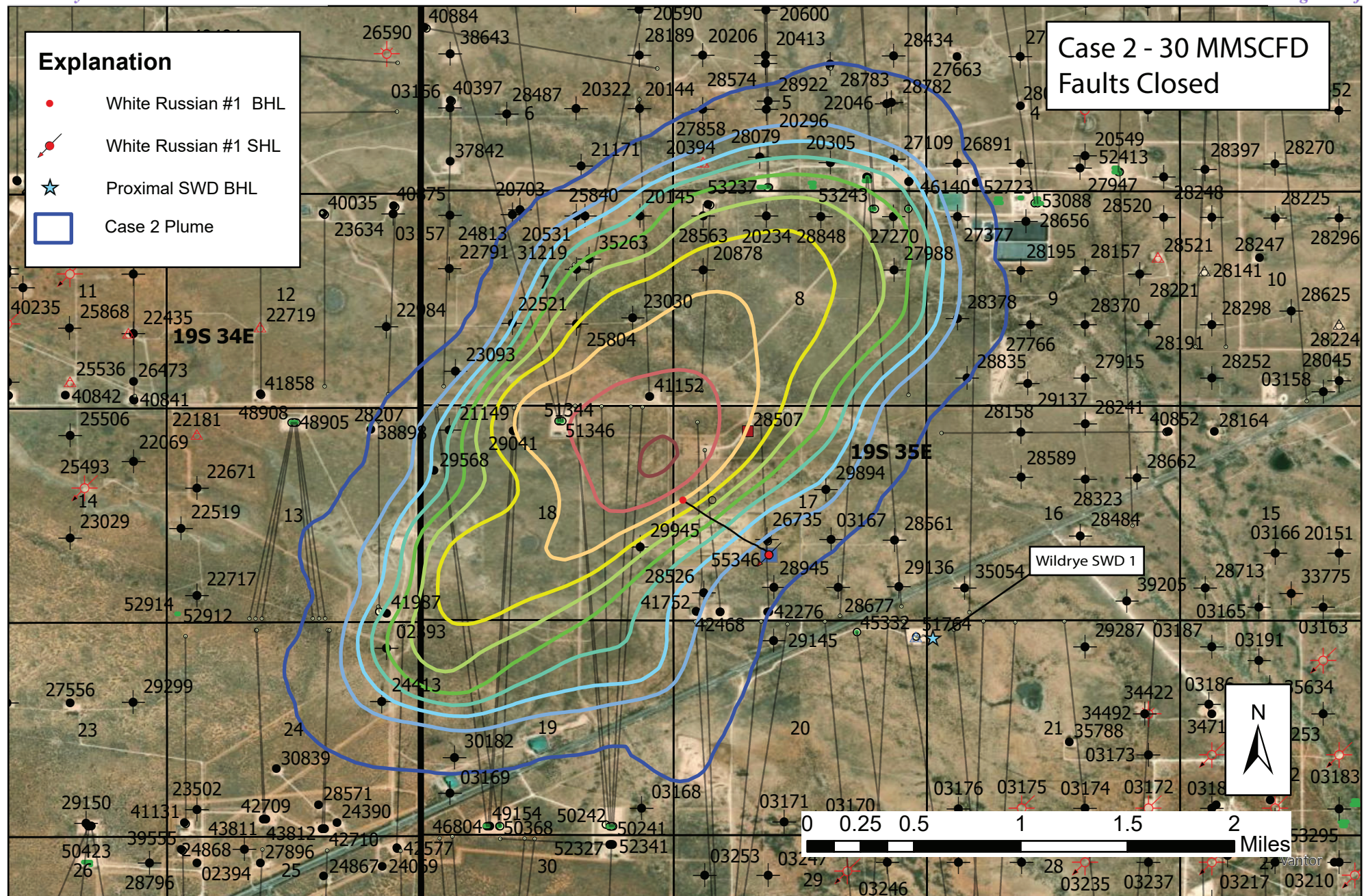


Figure 7. Summary of Eclipse simulation results for Case 2. This map displays the simulated acid gas plume following 30 years of injection at the maximum proposed rate. Contours of gas saturation are depicted ranging from 0 to 46% - 5% increments. Offset wells are identified by last five digits of their respective API numbers. Offset Siluro-Devonian SWD (Wildrye #1) is identified with the blue star.

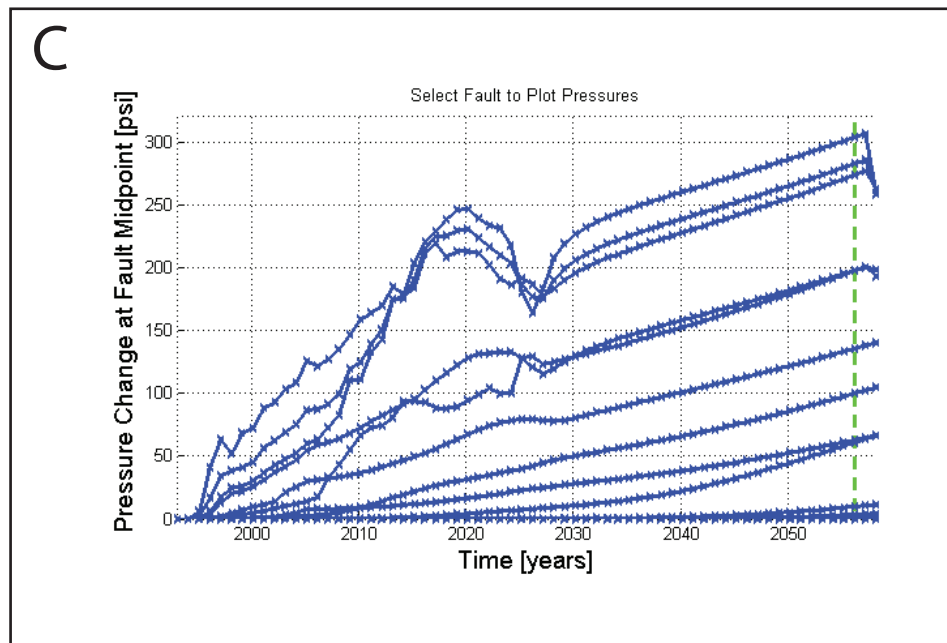
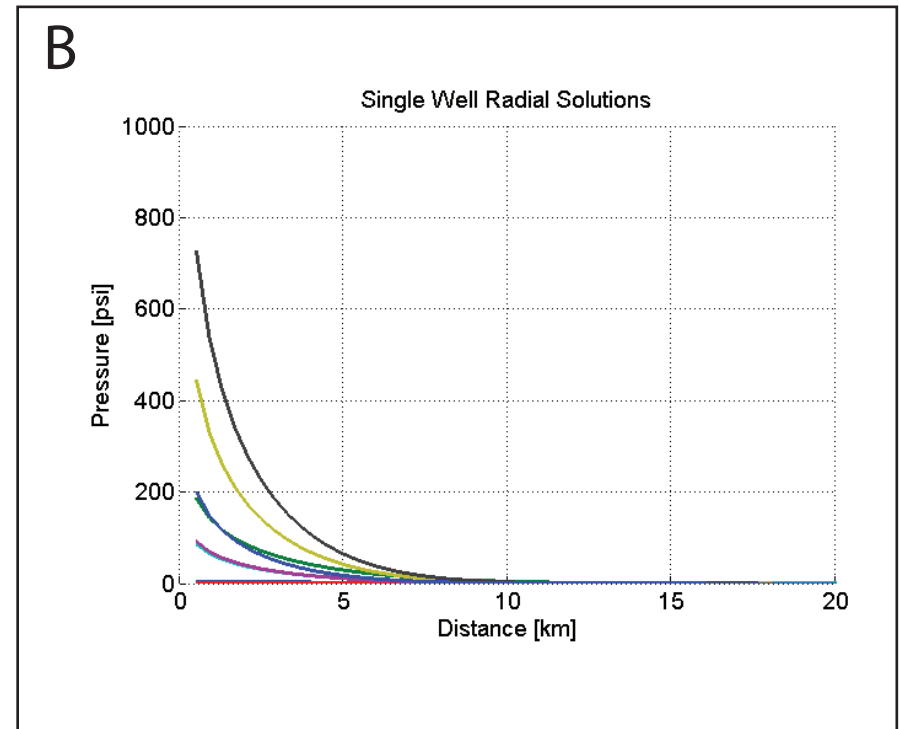
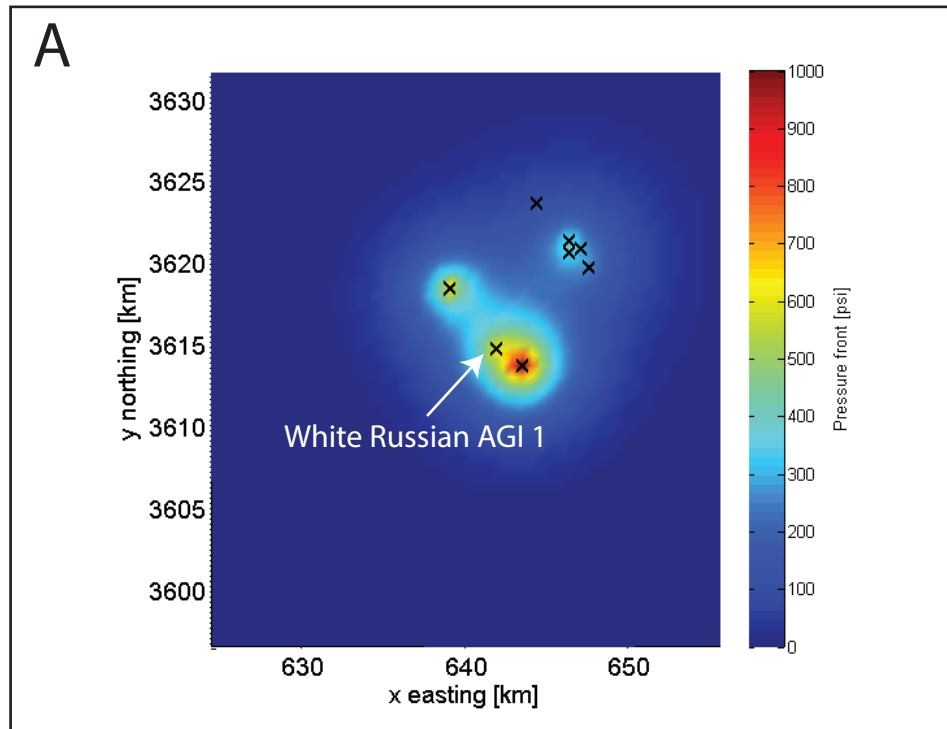


Figure 8. Summary of FSP model-predicted pressure front effects in the year 2057, resulting from injection activities of nearby wells that are actively injecting within the Siluro-Devonian formations.

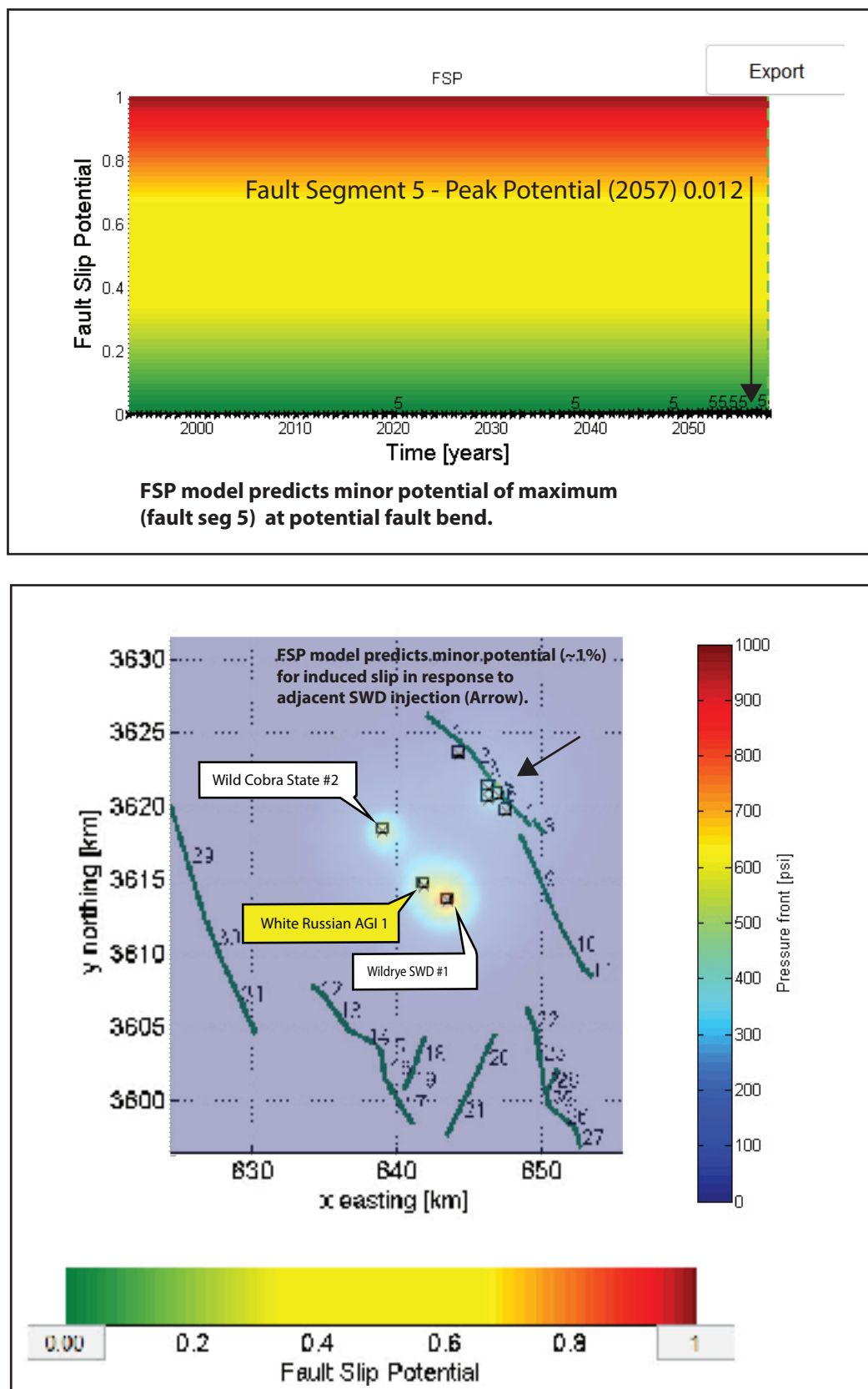


Figure 9. Fault Slip Potential: Model-predicted fault-slip potential after 30 years (Panel A) of maximum AGI operations and proximal Siluro-Devonian SWD operations. From 2026-2057, minor fault slip potential (~1%) observed at interpreted fault bend at fault segment 5 due to proximity to Siluro-Devonian salt water disposal wells. Future AGI operations and immediate offset SWDs (Wild Cobra State #2 and Wildrye SWD 1) demonstrate no significant influence on any known fault systems.

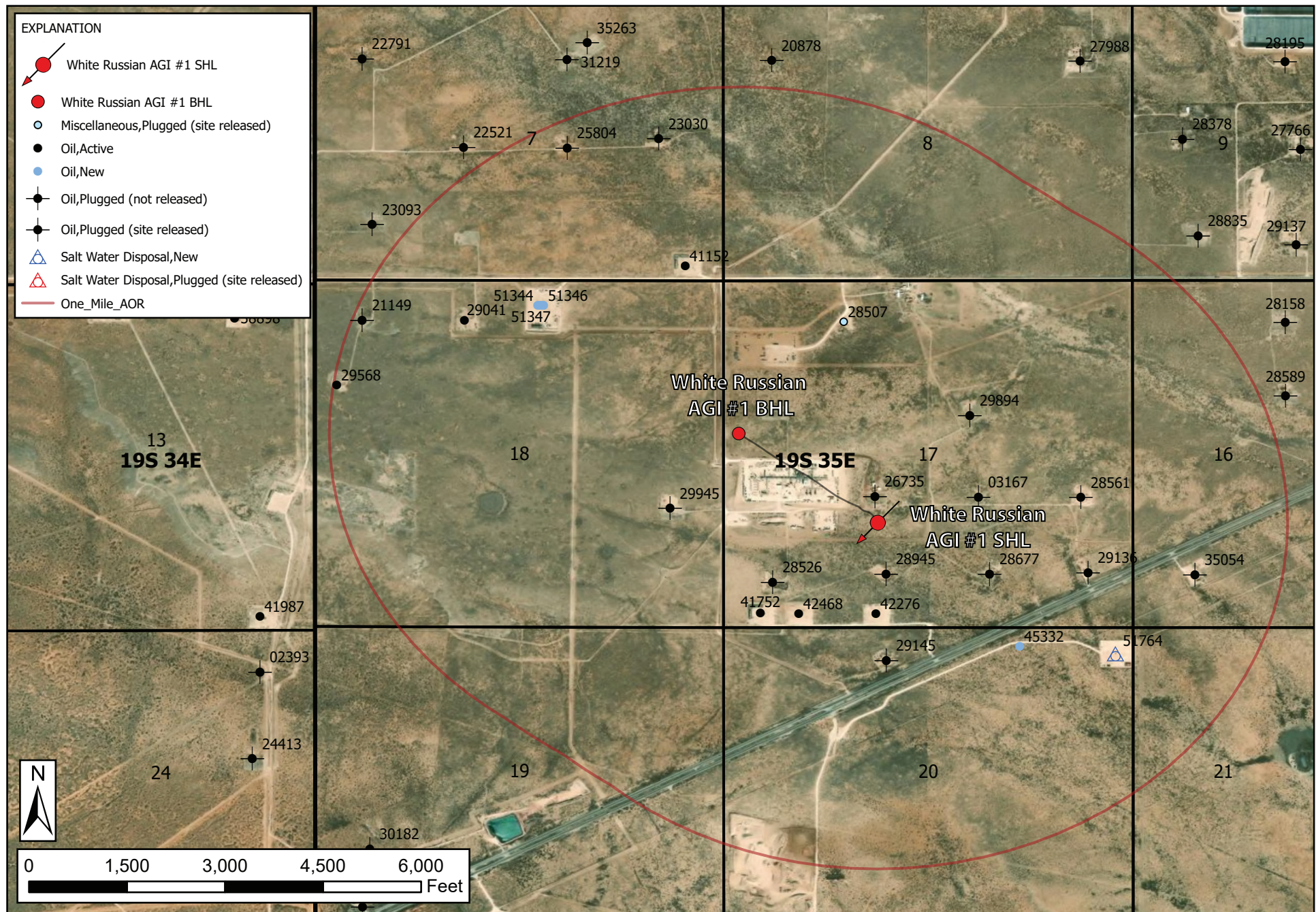


Figure 10. All wells of record within a one-mile radius of the existing White Russian AGI #1 well. Note that the area of review has been modified to include a one-mile buffer around the surface- and bottom-hole locations, and along the as-drilled wellbore path. Wells are labeled with their last five digits of their API numbers.



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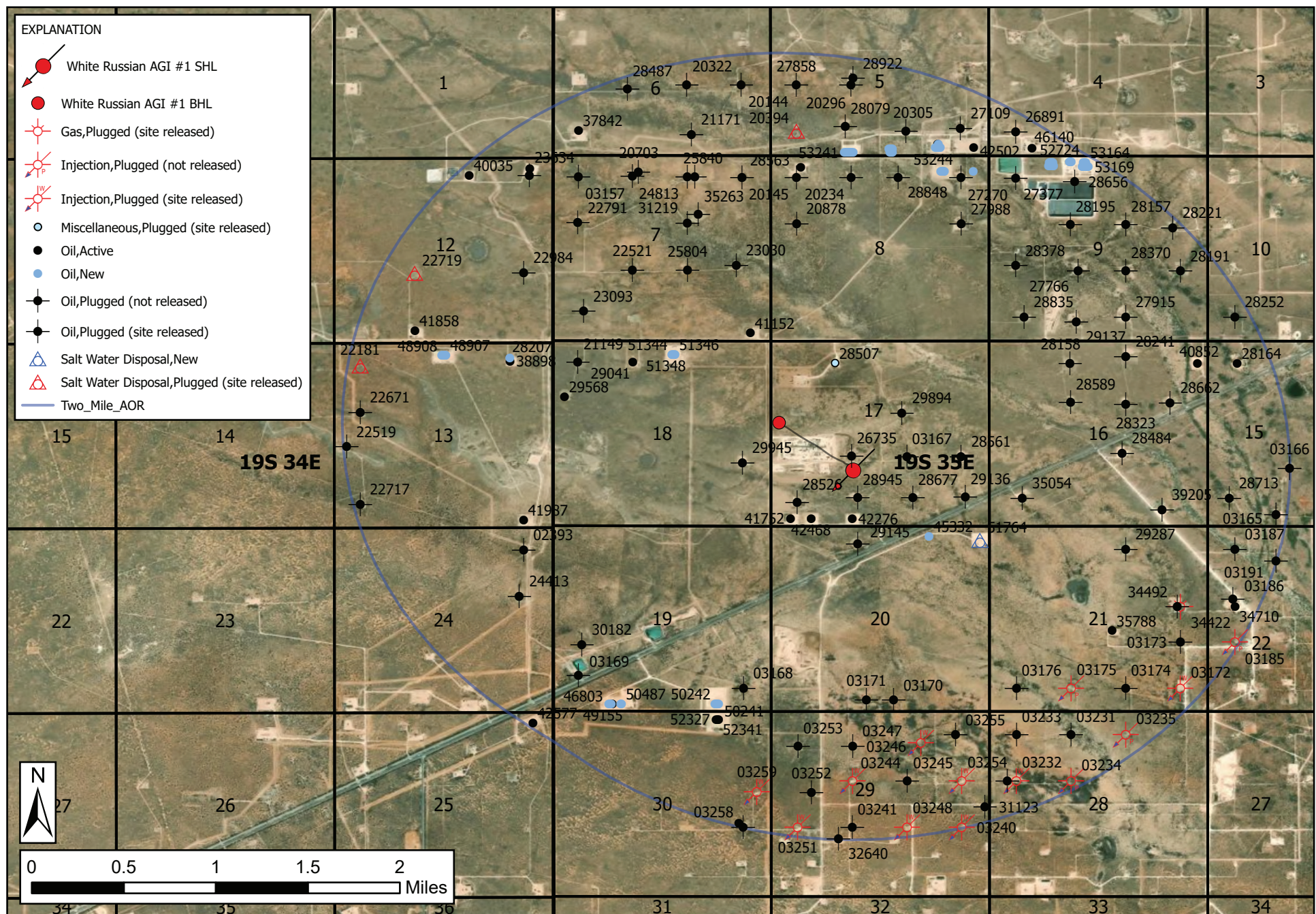


Figure 11. All wells of record within a two-mile radius of the existing White Russian AGI #1 well. Note that the area of review has been modified to include a two-mile buffer around the surface- and bottom-hole locations, and along the as-drilled wellbore path. Wells are labeled with their last five digits of their API numbers.

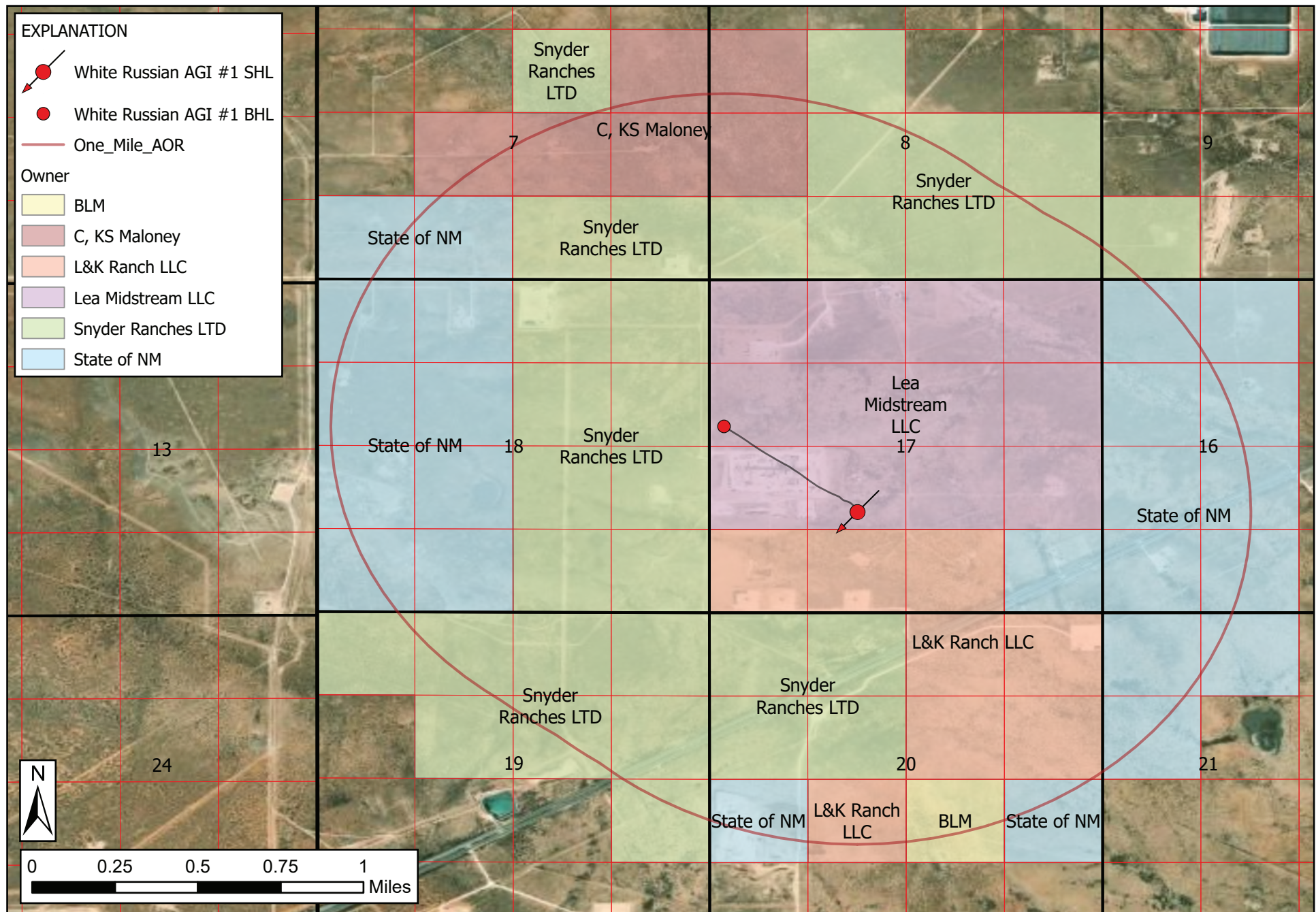


Figure 12. Surface ownership within one mile of the existing White Russian AGI #1 well (API: 30-025-55346). Note the area of review has been modified to include a one-mile buffer around the AGI well surface- and bottom-hole locations, and along the as-drilled wellbore path.

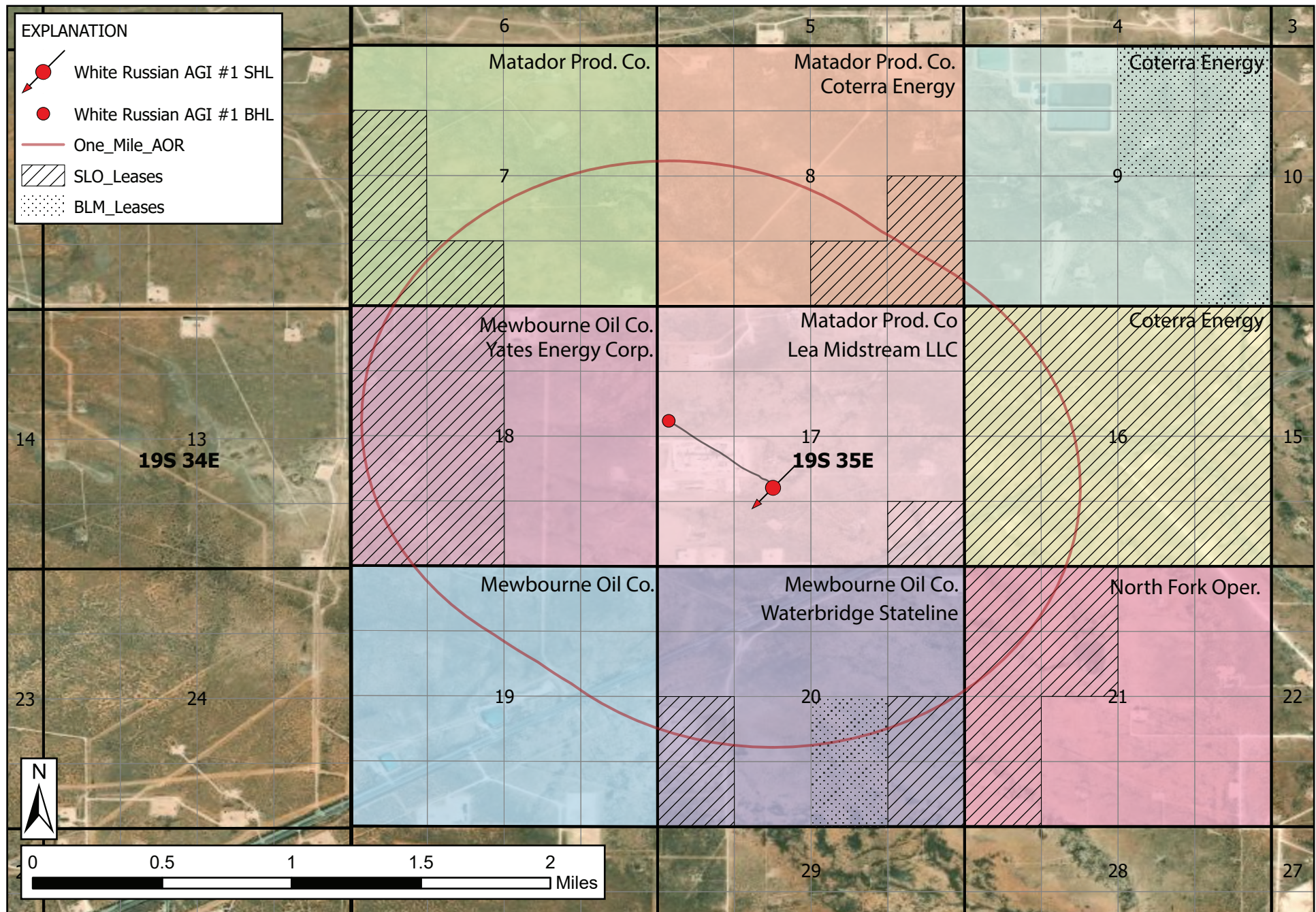


Figure 13. Lessees, active operators, and mineral ownership within one mile of the existing White Russian AGI #1 well. Note that the area of review has been modified to include a one-mile buffer around the surface- and bottom-hole well locations, and along the as-built wellbore path.

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APPENDIX A

**INFORMATION ON OIL AND GAS WELLS WITHIN TWO MILES
AND ONE MILE OF THE WHITE RUSSIAN AGI #1**

API	WELL NAME	TYPE	STATUS	OPERATOR	LAT83	LONG83	DEPTH (TVD)	POOL	PLUG DATE	Miles from SHL	Miles from BHL
30-025-03246	WEST PEARL QUEEN UNIT #104	Inj.	Plugged	XERIC OIL & GAS CORP	32.63625	-103.47628		[49780] PEARL, QUEEN	2000-07-27	1.507	1.849
30-025-34492	TORO 21 STATE COM #001Y	Oil	Plugged	WPX Energy Permian, LLC	32.64692	-103.45615	13960	WOLFCAMP, DEVONIAN	2020-08-31	1.658	2.078
30-025-26735	MESCALERO RIDGE #001	Oil	Plugged	SOUTHWEST ROYALTIES INC	32.65875	-103.48172	13420	[55610] SCHARB, BONE SPRING	2002-04-11	0.076	0.379
30-025-34710	TORO 22 #001	Oil	Active	WPX Energy Permian, LLC	32.64692	-103.45161	12900	WOLFCAMP, DELAWARE	1999-12-31	1.898	2.313
30-025-29287	MCINTOSH #001	Oil	Plugged	DOMINION OKLAHOMA TEXAS EXPL. & PR	32.65145	-103.46019	11500	[55650] SCHARB, WOLFCAMP	2002-10-23	1.319	1.729
30-025-37842	AIRSTRIP 6 STATE COM #001	Oil	Active	MATADOR PRODUCTION COMPANY	32.68433	-103.50318	11450	[55610] SCHARB, BONE SPRING	1999-12-31	2.227	1.829
30-025-28507	MESCALERO RIDGE #002	Misc	Plugged	FOREST OIL CORPORATION	32.66606	-103.48303	11200	[55610] SCHARB, BONE SPRING	2005-12-05	0.585	0.412
30-025-35054	TORO 16 STATE #001	Oil	Plugged	MARSHALL & WINSTON INC	32.65547	-103.46831	11200	BONE SPRING, SAN ANDRES	2017-05-26	0.789	1.186
30-025-35788	TORO 21 #002	Oil	Active	North Fork Operating, LP	32.64504	-103.46126	11200	BONE SPRING, WOLFCAMP	1999-12-31	1.470	1.896
30-025-28561	Mescalero Ridge A Com #1	Oil	Plugged	Superior Oil Co.	32.6587	-103.47309	11191	[55610] SCHARB, BONE SPRING	2000-01-01	0.501	0.856
30-025-29894	Mobil Mescalero Ridge #1	Oil	Plugged	Western Oil Prod.	32.66213	-103.47774	11097		2000-01-01	0.382	0.567
30-025-46140	CABLE 19 35 9 STATE COM #001H	Oil	Active	Coterra Energy Operating Co.	32.68294	-103.46756	11072	[55640] SCHARB, WOLFCAMP	1999-12-31	1.925	1.884
30-025-49535	RAMBO E2 08 17 STATE COM #001H	Oil	Active	Coterra Energy Operating Co.	32.68327	-103.47498	11048	[55640] SCHARB, WOLFCAMP	1999-12-31	1.807	1.674
30-025-39205	KLEIN 16 STATE #001	Oil	Plugged	Coterra Energy Operating Co.	32.65455	-103.45733	11019	[55650] SCHARB, WOLFCAMP, SOUTHEA	2025-09-11	1.431	1.816
30-025-28563	Hooper 8 #1	Oil	Plugged	HNG Oil Co.	32.68064	-103.48605	11015		2000-01-01	1.605	1.330
30-025-28370	ELKAN #003	Oil	Plugged	ELK OIL CO	32.67329	-103.46019	11000	[55610] SCHARB, BONE SPRING	1996-06-28	1.649	1.787
30-025-45332	HEREFORD 20 29 B2AH STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.65246	-103.47565	10972	[55610] SCHARB, BONE SPRING	1999-12-31	0.499	0.921
30-025-21149	REDDY GULF STATE #001	Oil	Plugged	YATES ENERGY CORP	32.66613	-103.5032	10950	[50450] QUAIL, QUEEN	2004-02-10	1.388	0.976
30-025-28713	MCINTOSH #001	Oil	Plugged	MANZANO OIL CORP	32.65547	-103.45206	10950	[49780] PEARL, QUEEN	1995-03-08	1.729	2.101
30-025-28589	Stinking Draw #4	Oil	Plugged	Marathon Oil Co.	32.66296	-103.46452	10940	[55610] SCHARB, BONE SPRING	2000-01-01	1.061	1.340
30-025-28662	Lea T2 State #5	Oil	Plugged	Chevron USA Inc.	32.66292	-103.45667	10920	[55650] SCHARB, WOLFCAMP, SOUTHEA	2000-01-01	1.498	1.796
30-025-27858	ORA JACKSON #001	Oil	Plugged	O'NEIL PROPERTIES LTD	32.6879	-103.48607	10902	[55610] SCHARB, BONE SPRING	1996-01-19	2.100	1.830
30-025-52327	GONG WORTHY STATE COM #601H	Oil	Active	MARATHON OIL PERMIAN LLC	32.63806	-103.49237	10900	[55650] SCHARB, WOLFCAMP, SOUTHEA	1999-12-31	1.489	1.632
30-025-27915	ELKAN #002	Oil	Plugged	ELK OIL CO	32.66966	-103.46018	10900	[55610] SCHARB, BONE SPRING	2000-01-01	1.498	1.688
30-025-28252	Government 10 #1	Oil	Plugged	Mobil Prod. Texas and New Mexico	32.66966	-103.45161	10900	[55610] SCHARB, BONE SPRING	2000-01-01	1.934	2.164
30-025-28484	LEA UA STATE #001	Oil	Plugged	MARKS AND GARNER PRODUCTION LTD C	32.65898	-103.46048	10864	[55650] SCHARB, WOLFCAMP	2009-07-01	1.235	1.580
30-025-27377	SCHARB 9 #001	Oil	Plugged	DALLAS PRODUCTION	32.68059	-103.46883	10841	[55610] SCHARB, BONE SPRING	1996-08-09	1.747	1.711
30-025-41752	CUATRO HUOS FEE #004H	Oil	Active	MATADOR PRODUCTION COMPANY	32.65385	-103.48652	10833	[55610] SCHARB, BONE SPRING	1999-12-31	0.389	0.521
30-025-42577	PERLA NEGRA FEDERAL COM #004H	Oil	Active	XTO ENERGY, INC	32.63778	-103.50676	10814	[37570] LEA, BONE SPRING	1999-12-31	2.007	1.978
30-025-27109	SMITH 5 #001	Oil	Plugged	DALLAS PRODUCTION	32.68451	-103.47314	10806	[55610] SCHARB, BONE SPRING	1996-06-25	1.915	1.799
30-025-27270	SCHARB 8 #001	Oil	Plugged	DALLAS PRODUCTION	32.68061	-103.47313	10800	[55610] SCHARB, BONE SPRING	1996-07-09	1.657	1.566
30-025-42276	CUATRO HUOS FEE #003H	Oil	Active	MATADOR PRODUCTION COMPANY	32.65382	-103.48168	10797	[55610] SCHARB, BONE SPRING	1999-12-31	0.264	0.619
30-025-41714	TOMCAT FEE #001H	Oil	Active	MATADOR PRODUCTION COMPANY	32.68143	-103.48572	10794	[55610] SCHARB, BONE SPRING	1999-12-31	1.656	1.386
30-025-28221	SPRINKLE FEDERAL #001	Oil	Plugged	LYNX PETROLEUM CONSULTANTS INC	32.6767	-103.45649	10770	[55610] SCHARB, BONE SPRING	2008-04-09	1.966	2.090
30-025-40875	AIRCOBRA 12 STATE #001H	Oil	Active	MATADOR PRODUCTION COMPANY	32.68132	-103.507	10755	[55610] SCHARB, BONE SPRING	1999-12-31	2.202	1.786
30-025-27988	SNYDER RANCHES #001	Oil	Plugged	ELK OIL CO	32.67698	-103.47312	10750	[55640] SCHARB, WOLFCAMP	2003-04-23	1.420	1.361
30-025-28164	STATE MX #001	Oil	Active	K P KAUFFMAN COMPANY INC	32.66603	-103.45144	10750	[55610] SCHARB, BONE SPRING	1999-12-31	1.850	2.122
30-025-41858	TEAL 12 STATE COM #002H	Oil	Active	Coterra Energy Operating Co.	32.66858	-103.51603	10750	[55610] SCHARB, BONE SPRING	1999-12-31	2.143	1.739
30-025-40035	AIRCOBRA 12 STATE #002H	Oil	Active	MATADOR PRODUCTION COMPANY	32.68081	-103.51177	10747	[55610] SCHARB, BONE SPRING	1999-12-31	2.374	1.951
30-025-41987	SUPER COBRA STATE COM #001H	Oil	Active	MATADOR PRODUCTION COMPANY	32.65371	-103.50748	10738	[55610] SCHARB, BONE SPRING	1999-12-31	1.533	1.283
30-025-26891	SCHARB 4 #001	Oil	Plugged	LINN OPERATING, LLC.	32.68422	-103.46884	10706	[55610] SCHARB, BONE SPRING	2012-10-17	1.976	1.911
30-025-41152	AIRSTRIP FEE COM #001H	Oil	Active	MATADOR PRODUCTION COMPANY	32.66841	-103.48967	10586	[55610] SCHARB, BONE SPRING	1999-12-31	0.878	0.502
30-025-27766	ELKAN #001	Oil	Plugged	ELK OIL CO	32.67329	-103.46389	10421	[55610] SCHARB, BONE SPRING	1996-06-26	1.492	1.599
30-025-24034	LEA AP STATE #001	Oil	Active	SPECIAL ENERGY CORP	32.62994	-103.49058	10416	[49820] PEARL, SAN ANDRES, WEST	1999-12-31	1.980	2.174
30-025-29945	Amoco E Fee #1	Oil	Plugged	TXO Production Corp.	32.65824	-103.4903	10370	[50450] QUAIL, QUEEN	2000-01-01	0.509	0.273
30-025-03169	WMC #1	Oil	Plugged	Manzano Oil Corp.	32.64154	-103.50318	10367		2000-01-01	1.678	1.647
30-025-24413	Wilbanks Federal #1	Oil	Plugged	HL Brown JR	32.64775	-103.5078	10350		2000-01-01	1.673	1.514
30-025-22719	GETTY BG #001	SWD	Plugged	READ & STEVENS INC	32.67311	-103.51604	10330	[96117] SWD, QUEEN	1986-01-07	2.272	1.853
30-025-20878	Hooper Standard #1	Oil	Plugged	Charles B Read	32.67701	-103.48604	10310	[55610] SCHARB, BONE SPRING	2000-01-01	1.359	1.080
30-025-35263	CHARLES S ALVES #005	Oil	Plugged	MACK ENERGY CORP	32.67775	-103.49377	10305	[55610] SCHARB, BONE SPRING	2002-03-26	1.556	1.187
30-025-28487	Hooper A #1	Oil	Plugged	TXO Production Corp.	32.68756	-103.49934	10300	[55610] SCHARB, BONE SPRING	2000-01-01	2.306	1.933
30-025-22984	BUSH STATE #001	Oil	Plugged	MANZANO OIL CORP	32.67315	-103.50749	10290	[55610] SCHARB, BONE SPRING	1995-08-10	1.849	1.423
30-025-29041	REDDY GULF STATE #002	Oil	Active	YATES ENERGY CORP	32.66611	-103.49892	10270	SAN ANDRES, QUEEN	1999-12-31	1.166	0.745
30-025-28526	MESCALERO RIDGE #008	Oil	Plugged	FOREST OIL CORPORATION	32.65514	-103.486	10267	[55610] SCHARB, BONE SPRING	2005-11-21	0.310	0.438
30-025-23634	M&M State #1	Oil	Plugged	Major, Giebel, & Forster	32.6808	-103.50703	10257		2000-01-01	2.177	1.760
30-025-20234	ORA JACKSON A #002	Oil	Plugged	BIG 6 DRILLING CO	32.68063	-103.48176	10255	[55610] SCHARB, BONE SPRING	2000-01-01	1.583	1.367
30-025-23093	HOOPER B #001	Oil	Plugged	READ & STEVENS INC	32.67014	-103.50278	10235	[50450] QUAIL, QUEEN	1992-08-19	1.505	1.080
30-025-25840	CHARLES S ALVES #004	Oil	Plugged	MACK ENERGY CORP	32.68067	-103.49404	10230	[55610] SCHARB, BONE SPRING	2002-03-29	1.744	1.384
30-025-20145	Hooper B #1	Oil	Plugged	Big 6 Drilling Co.	32.68065	-103.49033	10225	[55610] SCHARB, BONE SPRING	2000-01-01	1.664	1.339
30-025-22521	GUY HOOPER COM #001	Oil	Plugged	READ & STEVENS INC	32.67337	-103.49895	10223	[55610] SCHARB, BONE SPRING	2022-02-08	1.482	1.065
30-025-25804	SCHARB COM #001	Oil	Plugged	READ & STEVENS INC	32.67335	-103.49461	10220	QUEEN, BONE SPRING	2022-01-31	1.321	0.925
30-025-20322	Hooper A #1	Oil	Plugged	Cactus Drilling Company	32.68793	-103.49464	10214	[55610] SCHARB, BONE SPRING	2000-01-01	2.220	1.878
30-025-31219	JFG 7 FEE #001	Oil	Plugged	HARVEY E YATES CO	32.67704	-103.49462	10209	[55610] SCHARB, BONE SPRING	1992-02-21	1.536	1.158
30-025-21171	MAGNUM STATE #001	Oil	Plugged	PRIMERO OPERATING INC	32.68402	-103.49431	10207		1995-11-07	1.962	1.611
30-025-49154	SANTA VACA 19 18 B2NC STATE COM #001H	Oil	Active	MEWBOURNE OIL CO	32.63931	-103.50051	10206	[55610] SCHARB, BONE SPRING	1999-12-31	1.677	1.701
30-025-20531	Charles S. Alves #1	Oil	Plugged	Exxon Corporation	32.68067	-103.49463	10206	[55610] SCHARB, BONE SPRING	2000-01-01	1.758	1.394
30-025-20703	Charles S. Alves #2	Oil	Plugged	Exxon Corporation	32.68107	-103.49844	10205	[55610] SCHARB, BONE SPRING	2000-01-01	1.889	1.501
30-025-29136	Bell State #1	Oil	Plugged	Great Western Drilling Co.	32.65555	-103.47279	10200	[55610] SCHARB, BONE SPRING	2000-01-01	0.534	0.943
30-025-28848	SCHARB 8 #002	Oil	Plugged	DALLAS PRODUCTION	32.68062	-103.47807	10200	[55610] SCHARB, BONE SPRING	1996-08-01	1.596	1.434
30-025-22791	MARATHON STATE COM #001	Oil	Plugged	READ & STEVENS INC	32.67708	-103.5032	10200	[55610] SCHARB, BONE SPRING	1993-06-07	1.838	1.420
30-025-20296	Ora L. Jackson #1	Oil	Plugged	Arco Oil and Gas	32.68789	-103.48177	10200	[55610] SCHARB, BONE SPRING	2000-01-01	2.083	1.857

API	WELL NAME	TYPE	STATUS	OPERATOR	LAT83	LONG83	DEPTH (TVD)	POOL	PLUG DATE	Miles from SHL	Miles from BHL
30-025-24813	CHARLES S ALVES #003	Oil	Plugged	MACK ENERGY CORP	32.68073	-103.49895	10195 [55610]	SCHARB, BONE SPRING	2002-04-30	1.884	1.493
30-025-42502	HIBISCUS 08 19 35 RN STATE COM #124H	Oil	Active	MATADOR PRODUCTION COMPANY	32.68296	-103.47213	10185 [55610]	SCHARB, BONE SPRING	1999-12-31	1.829	1.734
30-025-28922	ORA JACKSON #003	Oil	Plugged	O'NEIL PROPERTIES LTD	32.68842	-103.48161	10183 [55610]	SCHARB, BONE SPRING	1991-04-03	2.120	1.894
30-025-20305	SMITH 5 #002	Oil	Plugged	SOUTHLAND ROYALTY CO	32.68425	-103.47742	10179 [55610]	SCHARB, BONE SPRING	1993-11-18	1.849	1.681
30-025-28079	ORA JACKSON #002	Oil	Plugged	O'NEIL PROPERTIES LTD	32.68464	-103.48222	10171 [55610]	SCHARB, BONE SPRING	1992-03-13	1.860	1.632
30-025-29145	Richardson #1	Oil	Plugged	Manzano Oil Corp.	32.65187	-103.48124	10170 [55610]	SCHARB, BONE SPRING	2000-01-01	0.399	0.748
30-025-20394	ORA JACKSON A #001	SWD	Plugged	BIG 6 DRILLING CO	32.68427	-103.48605	10166 [96095]	SWD, BONE SPRING	1989-08-01	1.852	1.580
30-025-23030	Hooper A #1	Oil	Plugged	Charles B Read	32.67373	-103.49078	10148 [55610]	SCHARB, BONE SPRING	2000-01-01	1.230	0.873
30-025-28945	Mescalero Ridge C #1	Oil	Plugged	Mobil Prod. Texas and New Mexico	32.6555	-103.48125	10142 [55610]	SCHARB, BONE SPRING	2000-01-01	0.150	0.542
30-025-28677	Mescalero Ridge B Com #1	Oil	Plugged	Mobil Prod. Texas and New Mexico	32.65548	-103.47691	10100 [55610]	SCHARB, BONE SPRING	2000-01-01	0.312	0.736
30-025-20144	GENE DALMONT #001	Oil	Plugged	LYNX PETROLEUM CONSULTANTS INC	32.68791	-103.49036	10050 [55610]	SCHARB, BONE SPRING	1994-08-03	2.146	1.836
30-025-29137	ELKAN #004	Oil	Plugged	ELK OIL CO	32.66928	-103.46407	10000 [55610]	SCHARB, BONE SPRING	2000-01-01	1.298	1.466
30-025-28157	GOVERNMENT 9 #001	Oil	Plugged	LYNX PETROLEUM CONSULTANTS INC	32.67694	-103.46019	10000 [55610]	SCHARB, BONE SPRING	1996-08-23	1.823	1.916
30-025-28378	SCHARB 9 #003	Oil	Plugged	DALLAS PRODUCTION	32.67371	-103.46883	9920 [55610]	SCHARB, BONE SPRING	1996-07-22	1.333	1.378
30-025-28835	SCHARB 9 #005	Oil	Plugged	DALLAS PRODUCTION	32.66967	-103.46818	9900 [55610]	SCHARB, BONE SPRING	1996-07-26	1.139	1.259
30-025-28158	State TZ #1	Oil	Plugged	Gulf Oil Corp.	32.66603	-103.46453	9900 [55610]	SCHARB, BONE SPRING	2000-01-01	1.150	1.373
30-025-28656	SCHARB 9 #004	Oil	Plugged	DALLAS PRODUCTION	32.68029	-103.4642	9900 [55610]	SCHARB, BONE SPRING	1996-07-16	1.860	1.879
30-025-28191	GOVERNMENT 9 #002	Oil	Plugged	LYNX PETROLEUM CONSULTANTS INC	32.67329	-103.45589	9860 [55610]	SCHARB, BONE SPRING	1992-06-09	1.846	2.013
30-025-28195	SCHARB 9 #002	Oil	Plugged	BXP Operating, LLC	32.67695	-103.46454	9850 [55610]	SCHARB, BONE SPRING	2023-02-07	1.660	1.712
30-025-28323	Lea TZ State #3	Oil	Plugged	Chevron USA Inc.	32.66282	-103.46018	9800 [55610]	SCHARB, BONE SPRING	2000-01-01	1.298	1.591
30-025-28241	Lea TZ State #2	Oil	Plugged	Chevron USA Inc.	32.66658	-103.46018	9795 [55610]	SCHARB, BONE SPRING	2000-01-01	1.392	1.628
30-025-42468	CUATRO HUOS FEE #008H	Oil	Active	MATADOR PRODUCTION COMPANY	32.65384	-103.48491	9785 [55610]	SCHARB, BONE SPRING	1999-12-31	0.326	0.540
30-025-52328	HEFEWEIZEN STATE COM #301H	Oil	Active	MARATHON OIL PERMIAN LLC	32.63806	-103.49227	9770 [97983]	WC-025 G-08 S203506D, BONE SF	1999-12-31	1.487	1.631
30-025-52341	HEFEWEIZEN STATE COM #302H	Oil	Active	MARATHON OIL PERMIAN LLC	32.63806	-103.49218	9714 [55610]	BONE SPRING	1999-12-31	1.485	1.630
30-025-40852	KLEIN 16 STATE #002H	Oil	Active	Coterra Energy Operating Co.	32.66603	-103.45456	9517 [55610]	SCHARB, BONE SPRING	1999-12-31	1.678	1.943
30-025-03157	Argo Oil Corp	Oil	Plugged	Chas S Alves Trustee	32.68071	-103.50319	6510		2000-01-01	2.027	1.618
30-025-02393	Federal Matlock #1	Oil	Plugged	Shell Oil Co.	32.65138	-103.50748	6200		2000-01-01	1.569	1.357
30-025-29568	REDDY GULF STATE #003	Oil	Active	YATES ENERGY CORP	32.66341	-103.50427	5950	GRAYBURG, QUEEN	1999-12-31	1.380	0.992
30-025-32640	LEA AQ STATE #007	Oil	Plugged	CIMAREX ENERGY CO. OF COLORADO	32.62872	-103.48275	5912 [49820]	PEARL, SAN ANDRES	2015-09-06	1.995	2.267
30-025-38898	GO STATE #002	Oil	Active	PRIDE ENERGY COMPANY	32.66621	-103.50855	5800 [50445]	QUAIL, GRAYBURG	1999-12-31	1.678	1.275
30-025-28207	GO STATE #001	Oil	New	PRIDE ENERGY COMPANY	32.66644	-103.50857	5800 [50450]	QUAIL, QUEEN	1999-12-31	1.685	1.281
30-025-22181	STATE BH #001	SWD	Plugged	PERMIAN RESOURCES INC	32.66584	-103.52032	5397 [96117]	SWD, QUEEN	2002-05-16	2.326	1.942
30-025-22519	QUAIL QUEEN UNIT #013	Oil	Plugged	CHEVRON U S A INC	32.65949	-103.52139	5375 [50450]	QUAIL, QUEEN	2019-03-25	2.323	1.984
30-025-03167	Gulf Roberts #1	Oil	Plugged	Ralph Lowe	32.65872	-103.47738	5353		2000-01-01	0.257	0.614
30-025-22671	Mobil #1	Oil	Plugged	Charles B Read	32.66221	-103.52032	5240 [50450]	QUAIL, QUEEN	2000-01-01	2.279	1.918
30-025-22717	Atlantic Richfield #2	Oil	Plugged	Charles B Read	32.65496	-103.52032	5220		2000-01-01	2.265	1.968
30-025-03168	Alvas #1	Oil	Plugged	Shell Oil Co.	32.64054	-103.49021	5185		2000-01-01	1.282	1.445
30-025-03253	WEST PEARL QUEEN UNIT #102	Oil	Plugged	GULF OIL CORP	32.63599	-103.48593	5128 [49820]	PEARL, SAN ANDRES, WEST	2000-01-01	1.514	1.751
30-025-03252	WEST PEARL QUEEN UNIT #113	Oil	Plugged	GULF OIL CORP	32.63236	-103.48488	5126 [49780]	PEARL, QUEEN	2000-01-01	1.754	2.005
30-025-03255	WEST PEARL QUEEN UNIT #105	Oil	Plugged	GULF OIL CORP	32.63687	-103.47355	5117 [49780]	PEARL, QUEEN	2000-01-01	1.507	1.872
30-025-03171	Hooper #1	Oil	Plugged	Ralph Lowe	32.63961	-103.48056	5100		2000-01-01	1.245	1.552
30-025-32256	WEST PEARL QUEEN UNIT #220	Oil	Plugged	XERIC OIL & GAS CORP	32.63324	-103.4695	5087 [49780]	PEARL, QUEEN	2013-12-24	1.824	2.203
30-025-03241	WEST PEARL QUEEN UNIT #117	Oil	Plugged	XERIC OIL & GAS CORP	32.62962	-103.48167	5065 [49780]	PEARL, QUEEN	2014-04-21	1.932	2.214
30-025-31123	WEST PEARL QUEEN UNIT #182	Oil	Plugged	XERIC OIL & GAS CORP	32.6312	-103.47122	5062 [49780]	PEARL, QUEEN	2013-06-05	1.921	2.284
30-025-03170	WEST PEARL QUEEN UNIT #101	Oil	Plugged	XERIC OIL & GAS CORP	32.6396	-103.47842	5051 [49780]	PEARL, QUEEN	2003-09-08	1.258	1.590
30-025-03247	WEST PEARL QUEEN UNIT #103	Oil	Plugged	XERIC OIL & GAS CORP	32.63598	-103.48164	5039 [49780]	PEARL, QUEEN	2013-03-13	1.494	1.782
30-025-03244	WEST PEARL QUEEN UNIT #112	Oil	Plugged	XERIC OIL & GAS CORP	32.63326	-103.48166	5030 [49780]	PEARL, QUEEN	2014-04-17	1.681	1.966
30-025-03173	EAST PEARL QUEEN UNIT #010	Oil	Plugged	PYRAMID ENERGY INC	32.64414	-103.4559	5030 [49780]	PEARL, QUEEN	1994-06-01	1.764	2.188
30-025-03245	WEST PEARL QUEEN UNIT #111	Oil	Plugged	XERIC OIL & GAS CORP	32.63325	-103.47736	5028 [49780]	PEARL, QUEEN	2003-09-08	1.700	2.025
30-025-03232	WEST PEARL QUEEN UNIT #109	Oil	Plugged	PYRAMID ENERGY INC	32.63324	-103.46878	5020 [49780]	PEARL, QUEEN	1994-08-22	1.841	2.223
30-025-03165	NORTHEAST PEARL QUEEN UNIT #002	Oil	Plugged	BREITBURN OPERATING LP	32.65417	-103.44839	5020 [49780]	PEARL, QUEEN	2023-01-26	1.951	2.329
30-025-03248	WEST PEARL QUEEN UNIT #118	Oil	Plugged	XERIC OIL & GAS CORP	32.62961	-103.47737	5010 [49780]	PEARL, QUEEN	2014-04-11	1.948	2.266
30-025-03233	WEST PEARL QUEEN UNIT #106	Oil	Plugged	GULF OIL CORP	32.63687	-103.46877	5000 [49780]	PEARL, QUEEN	2000-01-01	1.616	2.009
30-025-03231	WEST PEARL QUEEN UNIT #107	Oil	Plugged	XERIC OIL & GAS CORP	32.63688	-103.46449	5000 [49780]	PEARL, QUEEN	2013-12-18	1.745	2.153
30-025-03240	WEST PEARL QUEEN UNIT #119	Oil	Plugged	XERIC OIL & GAS CORP	32.6296	-103.47308	4998 [49780]	PEARL, QUEEN	2014-04-30	1.996	2.344
30-025-03258	WEST PEARL QUEEN UNIT #115	Oil	Plugged	PYRAMID ENERGY INC	32.62964	-103.49025	4995 [49780]	PEARL, QUEEN	1994-05-23	1.995	2.193
30-025-03176	WEST PEARL QUEEN UNIT #100	Oil	Plugged	GULF OIL CORP	32.6405	-103.46877	4990 [49780]	PEARL, QUEEN	2000-01-01	1.399	1.803
30-025-03251	WEST PEARL QUEEN UNIT #116	Oil	Plugged	PYRAMID ENERGY INC	32.62963	-103.48596	4980 [49780]	PEARL, QUEEN	1994-07-29	1.948	2.189
30-025-03234	WEST PEARL QUEEN UNIT #108	Oil	Plugged	XERIC OIL & GAS CORP	32.63325	-103.46449	4975 [49780]	PEARL, QUEEN	2013-04-08	1.955	2.355
30-025-03166	Northeast Pearl Queen Unit #1	Oil	Plugged	Tamarach Petroleum Co.	32.6578	-103.44732	4966 [49780]	PEARL, QUEEN	2000-01-01	1.998	2.351
30-025-03175	EAST PEARL QUEEN UNIT #011	Oil	Plugged	XERIC OIL & GAS CORP	32.6405	-103.46449	4960 [49780]	PEARL, QUEEN	2013-10-08	1.547	1.964
30-025-03174	EAST PEARL QUEEN UNIT #012	Oil	Plugged	XERIC OIL & GAS CORP	32.64051	-103.46019	4950 [49780]	PEARL, QUEEN	2013-10-03	1.719	2.142
30-025-03187	East Pearl Queen Unit #3	Oil	Plugged	Shell Oil Co.	32.65145	-103.45161	4950 [49780]	PEARL, QUEEN	2000-01-01	1.800	2.197
30-025-03191	East Pearl Queen Unit #2	Oil	Plugged	Shell Oil Co.	32.65054	-103.44839	4930 [49780]	PEARL, QUEEN	2000-01-01	1.997	2.395
30-025-03235	EAST PEARL QUEEN UNIT #022	Oil	Plugged	XERIC OIL & GAS CORP	32.63688	-103.46019	4925 [49780]	PEARL, QUEEN	2013-12-21	1.899	2.317
30-025-03254	WEST PEARL QUEEN UNIT #110	Oil	Plugged	XERIC OIL & GAS CORP	32.63324	-103.47307	4920 [49780]	PEARL, QUEEN	2014-05-13	1.754	2.112
30-025-03172	EAST PEARL QUEEN UNIT #013	Oil	Plugged	PYRAMID ENERGY INC	32.64051	-103.4559	4920 [49780]	PEARL, QUEEN	1994-06-03	1.908	2.334
30-025-03186	EAST PEARL QUEEN UNIT #004	Oil	Plugged	XERIC OIL & GAS CORP	32.64755	-103.45177	4910 [49780]	PEARL, QUEEN	2013-08-27	1.873	2.287
30-025-03185	EAST PEARL QUEEN UNIT #009	Oil	Plugged	XERIC OIL & GAS CORP	32.64414	-103.45161	4880 [49780]	PEARL, QUEEN	2013-08-27	1.981	2.402
30-025-03259	WEST PEARL QUEEN UNIT #114	Oil	Plugged	PYRAMID ENERGY INC	32.63237	-103.48917	4805 [49780]	PEARL, QUEEN	1994-07-28	1.797	2.001
30-025-34422	TORO 21 STATE COM #001	Gas	Plugged	DOMINION OKLAHOMA TEXAS EXPL. & PR	32.64692	-103.4559	4276 [96838]	DRY AND ABANDONED	1998-08-21	1.671	2.091

API	WELL NAME	TYPE	STATUS	OPERATOR	LAT83	LONG83	DEPTH (TVD)	POOL	PLUG DATE	Miles from SHL	Miles from BHL
30-025-30182	WMC #1	Oil	Plugged	Manzano Oil Corp.	32.64397	-103.50288	60		2000-01-01	1.558	1.500
30-025-51764	WILDRIE FEE SWD #001	SWD	New	WaterBridge Stateline LLC	32.65215	-103.47164		[97869] SWD, DEVONIAN-SILURIAN	1999-12-31	0.694	1.119
30-025-51346	BEEFALO 7 6 STATE COM #408H	Oil	New	MEWBOURNE OIL CO	32.66675	-103.4956		[55610] SCHARB, BONE SPRING	1999-12-31	1.029	0.603
30-025-51348	BEEFALO 7 6 STATE COM #716H	Oil	New	MEWBOURNE OIL CO	32.66675	-103.49566		[55610] SCHARB, BONE SPRING	1999-12-31	1.032	0.606
30-025-51345	BEEFALO 7 6 STATE COM #404H	Oil	New	MEWBOURNE OIL CO	32.66675	-103.49572		[55610] SCHARB, BONE SPRING	1999-12-31	1.034	0.609
30-025-51347	BEEFALO 7 6 STATE COM #713H	Oil	New	MEWBOURNE OIL CO	32.66675	-103.49579		BONE SPRING, WOLFCAMP	1999-12-31	1.038	0.612
30-025-51344	BEEFALO 7 6 STATE COM #401H	Oil	New	MEWBOURNE OIL CO	32.66675	-103.49585		BONE SPRING, WOLFCAMP	1999-12-31	1.040	0.615
30-025-50241	SANTA VACA 19 18 B2PA FEE #001H	Oil	New	MEWBOURNE OIL CO	32.6393	-103.49217		[55610] SCHARB, BONE SPRING	1999-12-31	1.407	1.546
30-025-50326	SANTA VACA 19 18 B3PA FEE #001H	Oil	New	MEWBOURNE OIL CO	32.6393	-103.49226		[49553] PALMILLO, BONE SPRING, EAST	1999-12-31	1.409	1.547
30-025-50324	SANTA VACA 19 18 B1OB FEE #001H	Oil	New	MEWBOURNE OIL CO	32.6393	-103.49233		[49553] PALMILLO, BONE SPRING, EAST	1999-12-31	1.411	1.548
30-025-50325	SANTA VACA 19 18 B2OB FEE #001H	Oil	New	MEWBOURNE OIL CO	32.6393	-103.49239		[55610] SCHARB, BONE SPRING	1999-12-31	1.413	1.548
30-025-50242	SANTA VACA 19 18 B3OB FEE #001H	Oil	New	MEWBOURNE OIL CO	32.6393	-103.49246		[55610] SCHARB, BONE SPRING	1999-12-31	1.414	1.549
30-025-50487	SANTA VACA 19 18 B1NC STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.63931	-103.4998		[55610] SCHARB, BONE SPRING	1999-12-31	1.650	1.683
30-025-50368	SANTA VACA 19 18 B1MD STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.63931	-103.49986		[55610] SCHARB, BONE SPRING	1999-12-31	1.653	1.684
30-025-53250	FOXTAIL STATE COM #803H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47473		[55640] SCHARB, WOLFCAMP	1999-12-31	1.666	1.550
30-025-53251	FOXTAIL STATE COM #804H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47463		[55640] SCHARB, WOLFCAMP	1999-12-31	1.668	1.552
30-025-50168	FOXTAIL E2 05 32 W1 STATE COM #001H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47457		[55640] SCHARB, WOLFCAMP	1999-12-31	1.669	1.554
30-025-53244	FOXTAIL STATE COM #504H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47454		[55610] SCHARB, BONE SPRING	1999-12-31	1.669	1.555
30-025-50169	FOXTAIL E2 05 32 W1 STATE COM #002H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47445		[55640] SCHARB, WOLFCAMP	1999-12-31	1.670	1.556
30-025-53239	FOXTAIL STATE COM #303H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47444		[55610] SCHARB, BONE SPRING	1999-12-31	1.671	1.558
30-025-49155	SANTA VACA 19 18 B3NC STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.63931	-103.50061		[55610] SCHARB, BONE SPRING	1999-12-31	1.681	1.704
30-025-46804	SANTA VACA 19 18 B2MD STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.63931	-103.50071		[55610] SCHARB, BONE SPRING	1999-12-31	1.685	1.706
30-025-46803	SANTA VACA 19 18 B3MD STATE COM #001H	Oil	New	MEWBOURNE OIL CO	32.63931	-103.5008		[55610] SCHARB, BONE SPRING	1999-12-31	1.689	1.709
30-025-53240	FOXTAIL STATE COM #304H	Oil	New	Coterra Energy Operating Co.	32.68113	-103.47217		[55610] SCHARB, BONE SPRING	1999-12-31	1.708	1.626
30-025-53238	FOXTAIL STATE COM #302H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.48161		[55610] SCHARB, BONE SPRING	1999-12-31	1.717	1.500
30-025-53248	FOXTAIL STATE COM #702H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.48171		[55640] SCHARB, WOLFCAMP	1999-12-31	1.718	1.499
30-025-53247	FOXTAIL STATE COM #701H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.48181		[55640] SCHARB, WOLFCAMP	1999-12-31	1.718	1.497
30-025-53249	FOXTAIL STATE COM #801H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.4819		[55640] SCHARB, WOLFCAMP	1999-12-31	1.718	1.496
30-025-53245	FOXTAIL STATE COM #601H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.482		[55610] SCHARB, BONE SPRING	1999-12-31	1.718	1.495
30-025-53237	FOXTAIL STATE COM #301H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.4821		[55610] SCHARB, BONE SPRING	1999-12-31	1.718	1.494
30-025-53242	FOXTAIL STATE COM #502H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.4822		[55610] SCHARB, BONE SPRING	1999-12-31	1.718	1.493
30-025-53241	FOXTAIL STATE COM #501H	Oil	New	Coterra Energy Operating Co.	32.68258	-103.48229		[55610] SCHARB, BONE SPRING	1999-12-31	1.718	1.492
30-025-53246	FOXTAIL STATE COM #602H	Oil	New	Coterra Energy Operating Co.	32.68259	-103.47871		[55610] SCHARB, BONE SPRING	1999-12-31	1.726	1.548
30-025-53410	FOXTAIL STATE COM #802H	Oil	New	Coterra Energy Operating Co.	32.68259	-103.47861		[55640] SCHARB, WOLFCAMP	1999-12-31	1.727	1.550
30-025-53243	FOXTAIL STATE COM #503H	Oil	New	Coterra Energy Operating Co.	32.68259	-103.47852		[55610] SCHARB, BONE SPRING	1999-12-31	1.728	1.551
30-025-53281	RAMBO FEE COM #302H	Oil	New	Coterra Energy Operating Co.	32.68286	-103.47881		[55610] SCHARB, BONE SPRING	1999-12-31	1.744	1.563
30-025-53286	RAMBO STATE COM #503H	Oil	New	Coterra Energy Operating Co.	32.68286	-103.47871		[55610] SCHARB, BONE SPRING	1999-12-31	1.745	1.565
30-025-53283	RAMBO FEE COM #802H	Oil	New	Coterra Energy Operating Co.	32.68286	-103.47861		[55640] SCHARB, WOLFCAMP	1999-12-31	1.746	1.567
30-025-53282	RAMBO FEE COM #602H	Oil	New	Coterra Energy Operating Co.	32.68286	-103.47852		[55610] SCHARB, BONE SPRING	1999-12-31	1.746	1.569
30-025-53284	RAMBO STATE COM #303H	Oil	New	Coterra Energy Operating Co.	32.683	-103.47515		[55610] SCHARB, BONE SPRING	1999-12-31	1.786	1.653
30-025-53285	RAMBO STATE COM #304H	Oil	New	Coterra Energy Operating Co.	32.683	-103.47505		[55610] SCHARB, BONE SPRING	1999-12-31	1.788	1.656
30-025-53287	RAMBO STATE COM #504H	Oil	New	Coterra Energy Operating Co.	32.683	-103.47495		[55610] SCHARB, BONE SPRING	1999-12-31	1.789	1.658
30-025-53288	RAMBO STATE COM #803H	Oil	New	Coterra Energy Operating Co.	32.683	-103.47486		[55640] SCHARB, WOLFCAMP	1999-12-31	1.790	1.660
30-025-53289	RAMBO STATE COM #804H	Oil	New	Coterra Energy Operating Co.	32.683	-103.47476		[55640] SCHARB, WOLFCAMP	1999-12-31	1.791	1.663
30-025-49536	RAMBO E2 08 17 STATE COM #002H	Oil	New	Coterra Energy Operating Co.	32.68327	-103.47492		[55640] SCHARB, WOLFCAMP	1999-12-31	1.807	1.676
30-025-53165	ALPHA STATE COM #501H	Oil	New	Coterra Energy Operating Co.	32.68152	-103.46625		[55610] SCHARB, BONE SPRING	1999-12-31	1.872	1.858
30-025-53167	ALPHA STATE COM #701H	Oil	New	Coterra Energy Operating Co.	32.68152	-103.46615		[55640] SCHARB, WOLFCAMP	1999-12-31	1.875	1.861
30-025-53166	ALPHA STATE COM #601H	Oil	New	Coterra Energy Operating Co.	32.68152	-103.46596		[55610] SCHARB, BONE SPRING	1999-12-31	1.880	1.869
30-025-53168	ALPHA STATE COM #801H	Oil	New	Coterra Energy Operating Co.	32.68152	-103.46586		[55640] SCHARB, WOLFCAMP	1999-12-31	1.883	1.873
30-025-53162	CABLE STATE COM #501H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.4662		[55610] SCHARB, BONE SPRING	1999-12-31	1.890	1.873
30-025-53163	CABLE STATE COM #502H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46611		[55610] SCHARB, BONE SPRING	1999-12-31	1.892	1.877
30-025-53089	CABLE STATE COM #301H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46601		[55610] SCHARB, BONE SPRING	1999-12-31	1.895	1.881
30-025-53090	CABLE STATE COM #801H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46591		WOLFCAMP	1999-12-31	1.898	1.885
30-025-52724	MEAT PIE 9 STATE COM #501H	Oil	New	MARSHALL & WINSTON INC	32.68187	-103.46461		[55610] SCHARB, BONE SPRING	1999-12-31	1.940	1.940
30-025-52723	MEAT PIE 9 STATE COM #301H	Oil	New	MARSHALL & WINSTON INC	32.68187	-103.46455		[55610] SCHARB, BONE SPRING	1999-12-31	1.942	1.942
30-025-52897	MEAT PIE 9 STATE COM #701H	Oil	New	MARSHALL & WINSTON INC	32.68187	-103.46448		WOLFCAMP	1999-12-31	1.944	1.945
30-025-53086	ALPHA STATE COM #301H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46362		[55610] SCHARB, BONE SPRING	1999-12-31	1.949	1.962
30-025-53087	ALPHA STATE COM #302H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46352		[55610] SCHARB, BONE SPRING	1999-12-31	1.953	1.966
30-025-53088	ALPHA STATE COM #702H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46342		[55640] SCHARB, WOLFCAMP	1999-12-31	1.956	1.971
30-025-53210	ALPHA STATE COM #502H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46333		[55610] SCHARB, BONE SPRING	1999-12-31	1.959	1.974
30-025-53211	ALPHA STATE COM #602H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46323		[55610] SCHARB, BONE SPRING	1999-12-31	1.962	1.978
30-025-53169	ALPHA STATE COM #802H	Oil	New	Coterra Energy Operating Co.	32.68151	-103.46313		[55640] SCHARB, WOLFCAMP	1999-12-31	1.965	1.983
30-025-48907	GO STATE COM #204H	Oil	New	PRIDE ENERGY COMPANY	32.66666	-103.5136		[55610] SCHARB, BONE SPRING	1999-12-31	1.966	1.568
30-025-53091	CABLE STATE COM #802H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46352		WOLFCAMP	1999-12-31	1.969	1.980
30-025-48905	GO STATE COM #102H	Oil	New	PRIDE ENERGY COMPANY	32.66666	-103.51367		[55610] SCHARB, BONE SPRING	1999-12-31	1.970	1.572
30-025-53161	CABLE STATE COM #302H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46342		[55610] SCHARB, BONE SPRING	1999-12-31	1.972	1.984
30-025-48909	GO STATE COM #306H	Oil	New	PRIDE ENERGY COMPANY	32.66666	-103.51373		[55610] SCHARB, BONE SPRING	1999-12-31	1.973	1.576
30-025-53164	CABLE STATE COM #602H	Oil	New	Coterra Energy Operating Co.	32.68179	-103.46333		[55610] SCHARB, BONE SPRING	1999-12-31	1.975	1.988
30-025-48906	GO STATE COM #203H	Oil	New	PRIDE ENERGY COMPANY	32.66666	-103.5138		[55610] SCHARB, BONE SPRING	1999-12-31	1.977	1.580
30-025-48904	GO STATE COM #101H	Oil	New	PRIDE ENERGY COMPANY	32.66666	-103.51386		[55610] SCHARB, BONE SPRING	1999-12-31	1.980	1.583
30-025-48908	GO STATE COM #305H	Oil	New	PRIDE ENERGY COMPANY	32.66665	-103.51393		[55610] SCHARB, BONE SPRING	1999-12-31	1.984	1.587

APPENDIX B

IDENTIFICATION OF OPERATORS, LESSEES, SURFACE OWNERS, AND OTHER INTERESTED PARTIES WITHIN ONE MILE OF WHITE RUSSIAN AGI WELL; EXAMPLE NOTIFICATION LETTERS

TABLE B-1. PARTIES TO BE INDIVIDUALLY NOTIFIED**Surface Owners:**

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

Carlin, Shane Kathleen Maloney
120 Southbrook Circle
Mankato, MN 56001

L&K Ranch, LLC
PO Box 1503
Hobbs, NM 88241

Snyder Ranches, LTD
PO Box 2158
Hobbs, NM 88241

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

Active Operators and Lessees:

Coterra Energy Operating Co.
6001 Deauville Blvd., 300N
Midland, TX 79706
(432) 571-7800

Matador Production Co.
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
(972) 371-5200

Mewbourne Oil Co.
PO Box 5270
Hobbs, NM 88240
(575) 393-7259

North Fork Operating LP
1000 W. Wilshire Boulevard, Suite 311
Nichols Hills, OK 73116
(405) 843-8200

Waterbridge Stateline LLC
5555 San Felipe, Suite 1200
Houston, TX 77056
(713) 230-8864

Yates Energy Corp.
PO Box 2323
Roswell, NM 88202
(575) 623-4935

Chevron USA Inc.
6301 Deauville, Blvd
Midland, TX 79706
(432) 269-3180

MRC Permian Co.
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
(972) 371-5200

COG Operating LLC
600 W Illinois Ave
Midland, TX 79701

Mineral Rights Owners:

Bureau of Land Management
301 Dinosaur Trail
Santa Fe, NM 87508
(505) 954-2000

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

ATTACHMENT A – SAMPLE NOTICE LETTER

DATE

Example Notice Letter
Party to be notified
Address

VIA FEDERAL EXPRESS
RETURN RECEIPT REQUESTED

RE: LEA MIDSTREAM LLC, WHITE RUSSIAN AGI #1 VOLUME INCREASE AMENDMENT

This letter is to advise you that Lea Midstream, LLC (Lea Midstream) intends to file the enclosed amendment C-108 application (Application for Authorization to Inject) with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to increase the maximum injection rate for the White Russian AGI #1 from twelve (12) million standard cubic feet per day (MMSCFD) of treated acid gas (TAG) to thirty (30) MMSCFD, at their Dude Gas Processing Facility in Lea County, New Mexico.

The White Russian AGI #1 well (API: 30-025-55346) was drilled at a surface location of 1,607 feet from the south line (FSL) and 1,991 feet from the west line (FWL) in Section 17, Township 19 South, Range 35 East, with a deviated wellbore located approximately 2,312 feet northwest of the surface location in Section 17. The White Russian AGI #1 well was spudded on November 4, 2025, and well drilling and completion operations continued until February 23, 2026. The well was previously approved to inject TAG in the Siluro-Devonian geologic units through issuance of NMOCD Order R-24043. While drilling the White Russian AGI #1 well, these geologic units were identified at depths of 14,522 to 15,866 feet below the surface. Lea Midstream seeks approval of an injection volume increase (i.e., up to 30 MMSCFD), however, no modification of the maximum allowable surface injection pressure is being requested. The maximum allowable surface pressure will not exceed the currently approved 4,593 psig.

In accordance with application requirements of the New Mexico Oil Conservation Division, 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 AGI well location. 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 White at Geolex, Inc.[®]; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102; (505) 842-8000.

Sincerely,
Geolex, Inc.[®]

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

Enclosure: C-108 Application for Authority to Inject

APPENDIX B (cont'd) -- SAMPLE PUBLIC NOTICE OF HEARING

Lea Midstream LLC; 3500 Maple Avenue, Suite 700; Dallas, Texas 75219, filed Form C-108 (Application for Authorization to Inject) on XX/XX/2026, with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to amend New Mexico Oil Conservation Commission Order R-24043. Lea Midstream seeks authorization to increase the allowable injection volume for the White Russian AGI #1 well (API: 30-025-55346) to 30 million standard cubic feet per day. The White Russian AGI #1 well is located in Section 17, Township 19S, Range 35E in Lea County, New Mexico, approximately 20 miles west of Hobbs, New Mexico. The White Russian AGI #1 Well has a surface location in Section 17 approximately 1,607 feet from the south line (FSL) and 1,991 feet from the west line (FWL).

This application (Case Number XXXXX) has been set for hearing before the New Mexico Oil Conservation Division at XX:XX a.m. on XX/XX/2026, in the Wendell Chino Building at the New Mexico Oil Conservation Division's Santa Fe office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. Interested parties that may be affected by Lea Midstream's application may appear and present testimony by filing a Pre-Hearing Statement with the Division's Santa Fe office at the above specified address at least four days in advance of the scheduled hearing date. Additional information can be obtained from the applicant's agent, Geolex, Inc.[®]; 500 Marquette Ave NW, Suite 1350; Albuquerque, New Mexico 87102.

APPENDIX C

New Mexico Oil Conservation Division
Order #R-24043

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**APPLICATION OF LEA MIDSTREAM, LLC
FOR AUTHORIZATION TO INJECT, LEA
COUNTY, NEW MEXICO.**

**CASE NO. 25413
ORDER NO. R-24043**

ORDER OF THE DIVISION

This case came in for hearing before the Oil Conservation Division (“OCD”) at 8:15 a.m. on July 15, 2025, in Santa Fe, New Mexico.

The OCD Director, having considered the testimony, the record, the recommendations of Hearing Examiner, these findings of fact, and conclusions of law, issues this Order.

FINDINGS

1. Due public notice has been given, and the OCD has jurisdiction of this case and the subject matter.
2. Lea Midstream, LLC (“Applicant” or “Lea Midstream”) seeks authority to utilize its White Russian AGI Well No. 1 (API No. 30-025-Pending; “Well”), as an Underground Injection Control (“UIC”) Class II well for disposal of treated acid gas (“TAG”) into the Siluro-Devonian interval through an open-hole completion from 14615 feet to 16029 feet below surface. The surface location of the Well is 1607 feet from the South line and 1991 feet from the West line (Unit K) of Section 17, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico, while the bottomhole location is 2338 feet from the North line and 188 feet from the West line (Unit E) of Section 17 in the same township and range.
3. Applicant submitted a Form C-108 application (Administrative Application No. pMSG2512655870) on March 19, 2025, for authority to inject into the Well.

Case No 25413
Order No. R-24043
Page 2 of 5

4. Subsequently on May 13, 2025, Applicant submitted an application for hearing for approval of the Well and was assigned to a Division hearing docket.

5. The New Mexico State Land Office (“SLO”), on behalf of the Commissioner of Public Lands of the State of New Mexico, filed an entry of appearance and a pre-hearing statement for this application on July 10, 2025. The prehearing statement summarized two concerns about approval of the application:

a. that the Applicant did not provide any specific commitment that a redundant or second companion AGI well would be drilled, nor did the application provide any timeline if a second well were to be drilled; and

b. that Applicant did not response to SLO inquiries regarding encroachment of pore space located within state lands by the operation of the Well and any possible compensation for the use of this pore space.

6. The SLO appeared through counsel at hearing. No other party appeared at hearing or otherwise opposed the granting of this application.

7. Counsel for SLO requested a continuance of the case restating the lack of response by the Applicant to requests by the SLO for information on the Well and any discussion for a possibility of a negotiated resolution on compensation. Counsel for the Applicant noted that the SLO filings for the case were not timely and that the SLO had sufficient time for negotiation prior to the hearing thus objecting to any continuance of the case. The OCD Hearing Examiner denied the request for the continuance and stated that both parties could provide testimony of their experts through virtual conferencing.

8. Lea Midstream, through counsel, provided exhibits and testimony at hearing for geologic and engineering evidence in support of the approval of the injection authority for the Well.

a. Applicant proposed an injection interval within the Devonian and Silurian formations with an upper confining layer provided by the Woodford Shale and a lower confining layer composed of the upper Montoya formation with low permeability carbonates and interbedded shales. Applicant stated that the proposed injection interval is sufficiently isolated as not to impact deeper formations or contribute to induced seismicity.

b. The proposed injection interval, composed of the Thirtyone, Wristen and Fusselman formations, was characterized as a 1400-foot-thick section of interbedded dolomites and dolomitic limestones. The mapped effective porosity in the area of the Well ranged from one percent to approximately 15 percent with an average porosity of five percent within two miles of the Well’s location.

c. Applicant identified one plugged well that penetrated the proposed injection interval within the one-mile Area of Review (“AOR”) of the surface and bottomhole locations of

Case No 25413
Order No. R-24043
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the Well. The completion information indicates the well is properly cased and cemented to prevent vertical migration of injection fluids.

d. The Well will utilize a five-string casing design to isolate the salt section (Salado formation) and the deeper Capitan Aquifer and reduce drilling issues. All casings are to be cement to surface. The Well design also incorporates corrosion-resistant well materials (casing and cement) in the portion above the open hole completion.

e. Based on the records of the New Mexico Office of the State Engineer, there are five shallow freshwater wells (points of diversion) within one mile of the surface location of the Well. Applicant was unable to sample and provide an analytical result for any of the water sources at the time of the hearing.

f. The analysis of Siluro-Devonian formation water samples provided by Applicant showed compatibility of the TAG injectate for disposal in the proposed interval.

g. Modeling of the TAG injection over 30 years indicated the maximum area of the plume would be approximately 3.24 square miles with the plume extending to a maximum distance of approximately 1.47 miles from the bottomhole location of the Well.

h. Applicant prepared induced-seismic risk assessment for the Well using the Stanford Fault Slip Potential ("FSP") model. Based on the parameters selected by the Applicant, operation of the Well over a 30-year period is not anticipated to contribute significantly to the risk for injection-induced fault slip.

i. Applicant testified to the importance of a second AGI well to support the facility but deferred from providing any specifics on scheduling or location citing a necessity to assess the results obtained with the completion of the Well.

j. Applicant provided evidence of proper notification within the one-mile Area of Review and an affidavit of publication in a newspaper in the county where the Well is located.

k. In examination by OCD Technical Examiner, Applicant could not provide any specific drilling procedure such as managed pressure drilling to reduce the potential for loss circulation and open wellbore damage.

l. The OCD Technical Examiner questioned the possible interaction of two penetrating wells with the potential to be encompassed by the TAG plume: one an active UIC Class II disposal well and one plugged and abandoned production well. Applicant responded that the modeling conducted for the Well indicated the plume would not reach either penetrating well during the proposed period of injection operations.

m. On questioning about sources for the FSP assessment, Applicant stated that public sources of fault locations and characteristics were used for the model, and no additional sources such as 3D seismic surveys or other proprietary data were considered.

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9. Following an exchange on the validity of the submission of the Applicant's Exhibit F, the OCD Hearing Examiner directed the Applicant to provide a single, final version of Exhibit F as part of the revised hearing package to be placed in the record.

10. At the conclusion of the hearing, SLO restated their request for an expanded hearing schedule for this case. The OCD Hearing Examiner allowed for an extension of the case into the following day, July 16th; however, no additional evidence or testimony was provided by the designated SLO witnesses for inclusion in the record.

CONCLUSIONS OF LAW

11. Applicant provided the information required by 19.15.26 NMAC and the Form C-108 for an application to inject TAG into a Class II UIC well.

12. Applicant demonstrated a necessity for a Class II UIC well for TAG disposal that will support the processing of oil and gas production in this area of the Permian Basin.

13. Applicant complied with the notice requirements of 19.15.4 NMAC.

14. Applicant affirmed in a sworn statement by a qualified person that it examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the approved injection interval and any underground sources of drinking water.

15. Applicant is in compliance with 19.15.5.9 NMAC.

16. The position by SLO on the lack of involvement and response by the Applicant was noted but was not supported by testimony and, therefore, lack sufficient reason for continuing the case.

17. Having considered the evidence, approval of TAG disposal in the Well with specific conditions and restrictions will enable Applicant to support production and future exploration in this area, thereby preventing waste while not impairing correlative rights and protecting fresh water or underground sources of drinking water.

ORDER

1. Lea Midstream, LLC is hereby authorized by **UIC Permit SWD-2650** to utilize its White Russian AGI Well No. 1, with a surface location of 1607 feet from the South line and 1991 feet from the West line (Unit K) of Section 17, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico, as a UIC Class II well for disposal of TAG into the Siluro-Devonian interval through an open-hole completion from 14615 feet to 16029 feet below surface.

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Order No. R-24043
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2. Jurisdiction is retained by the OCD for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order; whereupon the OCD may, after notice and hearing or prior to notice and hearing in event of an emergency, terminate the disposal authority granted herein.



ALBERT C.S. CHANG
DIVISION DIRECTOR

Date: 10/11/2025

AC/prg

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

UIC CLASS II PERMIT SWD-2650

APPENDIX A – AUTHORIZED INJECTION

Permittee: Lea Midstream, LLC

OGRID No.: 333151

Well name: White Russian AGI Well No. 1

Surface location: 1593 feet from the South line and 1989 feet from the West line, Section 17,
Township 19 South, Range 35 East, NMPM, Lea County New Mexico
Latitude/Longitude: 32.657656° N; 103.481600° W (NAD83)

Bottom hole location (if different): 2345 feet from the North line and 187 feet from the West
line, Section 17, Township 19 South, Range 35 East, NMPM
Latitude/Longitude: 32.661345° N; 103.487457° W (NAD83)

Type of completion: Open hole

Type of injection: Gas waste production from Applicant's gas-processing facility

Injection fluid: Treated acid gas (including hydrogen sulfide and carbon dioxide)

Injection interval: Approximately 14,615 feet to 16,029 feet TVD; Devonian and Silurian fms.

Injection interval thickness (feet): Approximately 1,414 feet

Confining layer(s): Woodford Shale (upper) and Montoya formation (lower)

Prohibited injection interval(s): Woodford Shale and shallower formations, Montoya formation
and deeper Ordovician formations and any lost circulation zones.

Liner, tubing, and packer set: 3.5-inch tubing with a permanent CR packer set within 100 feet of
the top of the open hole and with a subsurface safety valve
("SSSV") no greater than 150 feet below ground surface. Tubing
composition is SS95/T95 from 0 ft to 14,360 ft and CRA (L80 and
G3) from 14,360 ft to 14,660 ft.

Maximum daily injection rate: 12 million standard cubic feet per day

Maximum surface injection pressure: 4593 PSI (as calculated using an average specific gravity
of 0.7762)

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

UIC CLASS II PERMIT SWD-2650

Pursuant to the Oil and Gas Act, NMSA 1978, §§70-2-1 *et seq.*, (“Act”) and its implementing regulations, 19.15.1 *et seq.* NMAC, (“Rules”) and the federal Safe Drinking Water Act, 42 U.S.C. 300f *et seq.*, and its implementing regulations, 40 CFR 144 *et seq.*, the Oil Conservation Division (“OCD”) issues this Permit to Lea Midstream, LLC (“Permittee”) to authorize the construction and operation of a well to inject treated acid gas (“TAG”) at the location and under the terms and conditions specified in this Permit and Appendix A.

I. GENERAL CONDITIONS

A. AUTHORIZATION

1. Scope of Permit. This Permit authorizes the injection of TAG into the well described on Appendix A (“Well”). Any injection not specifically authorized by this Permit is prohibited. Permittee shall be the “operator” of the Well as defined in 19.15.2.7(O)(5) NMAC.

a. Injection is limited to the approved injection interval described in Appendix A. Permittee shall not allow the movement of fluid containing any contaminant into an underground source of drinking water (“USDW”) if the presence of that contaminant may cause a violation of a Primary Drinking Water Regulation adopted pursuant to 40 CFR Part 142 or that may adversely affect the health of any person. [40 CFR 144.12(a)]

b. The wellhead injection pressure for the Well shall not exceed the value identified in Appendix A.

c. Permittee shall not commence to drill, convert, or recompleat the Well until receiving this approval and until OCD approves a Form C-101 Application for Permit to Drill (“APD”) pursuant to 19.15.14 NMAC or receives an approved federal Form 3160-3 APD for the Well. [40 CFR 144.11; 19.15.14.8 and 19.15.26.8 NMAC]

d. Permittee shall not commence injection into the Well until the Permittee complies with the conditions in Section I. C. of this Permit.

e. This Permit authorizes injection of any UIC Class II fluid or oil field waste defined in 19.15.2.7(E)(6) NMAC.

f. This Permit does not authorize injection for an enhanced oil recovery project as defined in 19.15.2.7(E)(2) NMAC.

2. Notice of Commencement. Permittee shall provide written notice on Form C-103 to OCD E-Permitting and notify OCD Engineering Bureau by email of the submittal no later than two (2) business days following the date on which injection commenced into the Well. [19.15.26.12(B) NMAC]

3. Termination. Unless terminated sooner, this Permit shall remain in effect for a term of thirty (30) years beginning on the date of issuance. Permittee may submit an application for a new permit prior to the expiration of this Permit. If Permittee submits an application for a new permit, then the terms and conditions of this Permit shall remain in effect until OCD denies the application or grants a new permit.

a. The Permittee shall have the option to request an extension of time to commence injection approved administratively by the Director without hearing. The Director may grant a single extension of no longer than two (2) years for good cause shown. The Permittee shall submit a written request for an extension to OCD Engineering Bureau no later than thirty (30) days prior to the deadline for commencing injection. The written request shall contain the results of a current assessment of the Area of Review for changes in affected persons, identification of any new penetrations of the approved injection interval and a summary of any recent occurrences of seismicity within ten (10) miles of the Well's surface location.

b. One (1) year after the last date of reported injection into the Well, OCD shall consider the Well abandoned, the authority to inject pursuant to this Permit shall terminate automatically, and Permittee shall plug and abandon the Well as provided in Section I. E. of this Permit. Upon receipt of a written request by the Permittee no later than one year after the last date of reported injection into the Well, OCD may grant an extension for good cause. [19.15.26.12(C) NMAC]

B. DUTIES AND REQUIREMENTS

1. Duty to Comply with Permit. Permittee shall comply with the terms and conditions of this Permit. Any noncompliance with the terms and conditions of this Permit, or of any provision of the Act, Rules or an Order issued by OCD or the Oil Conservation Commission, shall constitute a violation of law and is grounds for an enforcement action, including revocation of this Permit and civil and criminal penalties. Compliance with this Permit does not relieve Permittee of the obligation to comply with any other applicable law, or to exercise due care for the protection of fresh water, public health and safety and the environment. The contents of the Application and Appendix A shall be enforceable terms and conditions of this Permit. [40 CFR 144.51(a); 19.15.5 NMAC]

2. Duty to Halt or Reduce Activity to Avoid Permit Violations. Permittee shall halt or reduce injection to avoid a violation of this Permit or other applicable law. It shall not be a defense in an enforcement action for Permittee to assert that it would have been necessary to halt or reduce injection in order to maintain compliance with this Permit. [40 CFR 144.51(c)]

3. Duty to Mitigate Adverse Effects. Permittee shall take all reasonable steps to minimize, mitigate and correct any waste or effect on correlative rights, public health, or the environment resulting from noncompliance with the terms and conditions of this Permit. [40 CFR 144.51(d)]

4. Duty to Operate and Maintain Well and Facilities. Permittee shall operate and maintain the Well and associated facilities in compliance with the terms and conditions of this Permit. [40 CFR 144.51(e)]

5. Duty to Provide Information. In addition to any other applicable requirement, Permittee shall provide to OCD by the date and on the terms specified by OCD any information which OCD requests for the purpose of determining whether Permittee is complying with the terms and conditions of this Permit. [40 CFR 144.51(h)]

6. Private Property. This Permit does not convey a property right or authorize an injury to any person or property, an invasion of private rights, or an infringement of state or local law or regulations. [40 CFR 144.51(g)]

7. Inspection and Entry. Permittee shall allow OCD's authorized representative(s) to enter upon the Permittee's premises where the Well is located and where records are kept for the purposes of this Permit at reasonable times and upon the presentation of credentials to:

- a. Inspect the Well and associated facilities;
- b. Have access to and copy any record required by this Permit;
- c. Observe any action, test, practice, sampling, measurement or operation of the Well and associated facilities; and
- d. Obtain a sample, measure, and monitor any fluid, material or parameter as necessary to determine compliance with the terms and conditions of this Permit. [40 CFR 144.51(i)]

8. Certification Requirement. Permittee shall sign and certify the truth and accuracy of all reports, records, and documents required by this Permit or requested by OCD. [40 CFR 144.51(k)]

9. Financial Assurance. Permittee shall provide and maintain financial assurance for the Well in the amount specified by OCD until the Well has been plugged and abandoned and the financial assurance has been released by OCD. [40 CFR 144.52; 19.15.8.12 NMAC]

C. PRIOR TO COMMENCING INJECTION

1. Construction Requirements.

a. Permittee shall construct the Well as described in the Application, Appendix A and as required by the Special Conditions.

b. Permittee shall construct and operate the Well in a manner that ensures the injected fluid enters only the approved injection interval and is not permitted to escape to other formations or onto the surface.

2. Tests and Reports. Permittee shall complete the following actions prior to commencing injection in the Well.

a. Permittee shall obtain and comply with the terms and conditions of an approved APD prior to commencing drilling of the Well, or other OCD approval, as applicable, prior to converting or recompleting the Well. If the APD is approved by the OCD, the Well shall be subject to the construction, testing, and reporting requirements of 19.15.16 NMAC. Permittee is also subject to the cement bond log ("CBL") requirements identified in II. Special Conditions of this Permit.

b. Permittee shall circulate to surface the cement for all casings. If cement does not circulate on any casing string, Permittee shall run a CBL to determine the top of cement, then notify the OCD Engineering Bureau and the appropriate OCD Inspection Supervisor and submit the CBL prior to continuing with any further cementing on the Well. If the cement did not tie back into next higher casing shoe, Permittee shall perform remedial cement action to bring the cement to surface. If the remedial action does not circulate the cement to surface, Permittee shall demonstrate that a minimum of three hundred (300) feet of cement is present above the next higher casing shoe in order to cease any further remedial actions.

c. If a liner is approved for the construction of the Well, Permittee shall run and submit to OCD E-Permitting and notify the OCD Engineering Bureau by email, a CBL for the liner to demonstrate placement cement and the cement bond with the tie-in for the casing string.

d. Permittee shall submit the mudlog, geophysical logs, and a summary of depths (picks) for the contacts of the formations demonstrating that only the permitted formation is open for injection. OCD may amend this Permit to specify the depth of the approved injection interval within the stratigraphic interval requested in the application. If Permittee detects a hydrocarbon show during the drilling of the Well, it shall notify OCD Engineering Bureau by email and obtain written approval prior to commencing injection into the Well.

e. Permittee shall obtain and submit on a Form C-103 a calculated or measured static bottom-hole pressure measurement representative of the completion in the approved injection interval.

f. Permittee shall conduct an initial mechanical integrity test ("MIT") on the Well in compliance with the terms and conditions of this Permit and 19.15.26 NMAC, and shall not commence injection into the Well until the results of the initial MIT have been approved by the appropriate OCD Inspection Supervisor. [19.15.26.11(A) NMAC]

g. Permittee shall submit and receive approval from the OCD for a hydrogen sulfide contingency plan that addresses the operation and monitoring of the Well. Permittee may revise an existing hydrogen sulfide contingency plan to incorporate the Well if disposal is part of a gas processing facility. [19.15.11.9 NMAC]

h. OCD retains authority to require a wireline verification of the completion and packer setting depths in this Well. [19.15.26.11(A) NMAC]

D. OPERATION

1. Operation and Maintenance.

a. Permittee shall equip, operate, monitor and maintain the Well to facilitate periodic testing, assure mechanical integrity, and prevent significant leaks in the tubular goods and packing materials used and significant fluid movements through vertical channels adjacent to the well bore. [19.15.26.10(A) NMAC]

b. Permittee shall operate and maintain the Well and associated facilities in a manner that confines the injected fluid to the approved injection interval and prevents surface damage and pollution by leaks, breaks and spills. [19.15.26.10(B) NMAC]

c. OCD may authorize an increase in the maximum surface injection pressure upon a showing by the Permittee that such higher pressure will not result in the migration of the disposed fluid from the approved injection interval or induced seismicity. Such proper showing shall be demonstrated by sufficient evidence, including an acceptable step-rate test.

d. If OCD has reason to believe that operation of the Well may have caused or determined to be contributing to seismic activity, Permittee shall, upon OCD's written request:

i. Take immediate corrective action, which could include testing and evaluating of the injection interval and confining layers; suspending or reducing of the rate of injection or maximum surface

injection pressure, or both; and providing increased monitoring of the Well's operation; and

ii. Submit a remedial work plan or an application to modify the Permit to implement the corrective action, plug back the injection interval, or incorporate another modification required by OCD.

OCD may approve the remedial work plan, modify the Permit or issue an emergency order or temporary cessation order as it deems necessary.

2. Pressure Limiting Device.

a. The Well shall be equipped with a pressure limiting device, which is in workable condition and can be tested for proper calibration at the well site, that shall limit surface tubing pressure to the maximum surface injection pressure specified in Appendix A.

b. Permittee shall test the pressure limiting device and all gauges and other metering requirement to ensure their accuracy and proper function every year.

3. Mechanical Integrity. Permittee shall conduct a MIT prior to commencing injection, annually after the date of the previous MIT, and whenever the tubing is removed or replaced, the packer is reset, mechanical integrity is lost, Permittee proposes to transfer the Well, or requested by OCD.

a. **Annual MITs** shall be conducted and in accordance with 19.15.26 NMAC.

b. Permittee shall submit a sundry notice on Form C-103 of intent to install or replace injection equipment or conduct a MIT no later than three (3) business days prior to the event.

c. Permittee shall report the result of a MIT no later than two (2) business days after the test.

d. Permittee shall cease injection and shut-in the Well no later than twenty-four (24) hours after discovery if:

i. The Well fails a MIT; or

ii. Permittee observes conditions at the Well that indicate the mechanical failure of tubing, casing, or packer.

e. Permittee shall take all necessary actions to address the effects resulting from the loss of mechanical integrity in accordance with 19.15.26.10 NMAC.

f. Permittee shall conduct a successful MIT pursuant to 19.15.26.11 NMAC, including written approval from OCD prior to recommencing injection and the requirements contained in Section I G.3.

4. Additional Tests. Permittee shall conduct any additional test requested by OCD, including but not limited to step-rate tests, tracer surveys, injection surveys, noise logs, temperature logs, and casing integrity logs [19.15.26.11(A)(3) NMAC]

5. Records.

a. Permittee shall retain a copy of each record required by this Permit for a period of at least five (5) years and shall furnish a copy to OCD upon request. [40 CFR 144.51(h)]

b. Permittee shall retain a record of each test, sample, measurement, and certification of accuracy and function collected for the Well, including:

- i. Date, location, and time of sample, measurement or calibration;
- ii. Person who conducted the sample event, -measurement or calibration;
- iii. Calibration of gauge or other equipment in accordance with the manufacturer's specifications;
- iv. Description of method and procedures;
- v. Description of handling and custody procedures; and
- vi. Result of the analysis.

E. PLUGGING AND ABANDONMENT

1. Upon the termination of this Permit, Permittee shall plug and abandon the Well and restore and remediate the location in accordance with 19.15.25 NMAC.

2. If Permittee has received an extension pursuant to Section I. A. 3. b., Permittee shall apply for approved temporary abandonment pursuant to 19.15.25 NMAC.

3. If this Permit expires pursuant to 19.15.26.12 NMAC and OCD has not issued a new permit, then Permittee shall plug and abandon the Well and restore and remediate the location in accordance with 19.15.25 NMAC.

4. Permittee's temporary abandonment of the Well shall not toll the abandonment of injection in accordance with 19.15.26.12(C) NMAC.

F. REPORTING

1. **Monthly Reports.** Permittee shall submit a report using Form C-115 using the OCD's web-based online application on or before the 15th day of the second month following the month of injection, or if such day falls on a weekend or holiday, the first workday following the 15th, with the number of days of operation, injection volume, and injection pressure. [19.15.26.13 NMAC; 19.15.7.24 NMAC]

2. **Additional AGI Well Reports.** Permittee shall submit the required reports listed in II. Special Conditions. Submittal of quarterly or annual reports shall be done using Form C-103 and larger documents using the Engineering Bureau e-mail.

3. **Corrections.** Permittee shall promptly disclose to OCD any incorrect information in the Application or any record required by this Permit and submit corrected information. [40 CFR 144.51(h)(8)]

G. CORRECTIVE ACTION

1. **Releases.** Permittee shall report any unauthorized release of injection fluid at the Well or associated facilities in accordance with 19.15.29 and 19.15.30 NMAC.

2. **Failures and Noncompliance.** Permittee shall report the following incidents to appropriate OCD Inspection Supervisor and OCD Engineering Bureau verbally and by e-mail no later than 24 hours after such incident:

a. Any mechanical integrity failures identified in Section I. D. 3. d;

b. The migration of injection fluid from the injection interval [19.15.26.10 NMAC]; or

c. A malfunction of the Well or associated facilities that may cause waste or affect the public health or environment, including: (a) monitoring or other information which indicates that a contaminant may affect a USDW; or (b) noncompliance or malfunction which may cause the migration of injection fluid into or between USDWs. [40 CFR 144.51(l)(6)]

3. **Corrective Action.** Permittee shall submit a written report describing the incident in Sections I.G.1 or I.G.2, including a corrective active plan, no later than five (5) calendar days after discovery of the incident. [40 CFR 144.51(l)(6)] For an unauthorized release, Permittee also shall comply with the site assessment, characterization and remediation requirements of 19.15.29 and 19.15.30 NMAC.

4. **Restriction or Shut-In.** OCD may restrict the injected volume and pressure or shut-in the Well if OCD determines that the Well has failed or may fail to confine the injected fluid to the approved injection interval or has caused induced seismicity until OCD determines that Permittee has identified and corrected the failure. [19.15.26.10(E) NMAC]

H. PERMIT CHANGES

1. Transfer. This Permit shall not be transferred without the prior written approval of OCD. Permittee shall file Form C-145 for a proposed transfer of the Well. OCD may require, as a condition of approving the transfer, that this Permit be amended to ensure compliance and consistency with applicable law. If the Well has not been spud prior to the transfer, the OCD may require that the new operator reapply and submit to the OCD a new Form C-108 prior to constructing and injecting into the well. [19.15.26.15 NMAC; 19.15.9.9 NMAC]

2. Insolvency. Permittee shall notify OCD Engineering Bureau of the commencement of a voluntary or involuntary proceeding in bankruptcy which names Permittee or an entity which operates the Well on behalf of Permittee as a debtor no later than ten (10) business days after the commencement of the proceeding.

3. OCD Authority to Modify Permit and Issue Orders

a. The OCD may amend, suspend, or revoke this Permit after notice and an opportunity for hearing if it determines that:

- i. The Permit contains a material mistake;
- ii. Permittee made an incorrect statement on which OCD relied to establish a term or condition of the Permit or grant this Permit;
- iii. This Permit must be amended to ensure compliance and consistency with applicable law, including a change to the financial assurance requirements;
- iv. The Well's operation may affect the water quality of fresh water;
- v. Injected fluid is escaping from the approved injection interval;
- vi. Injection may be caused or contributed to seismic activity:
or
- vii. Injection may cause or contribute to the waste of oil, gas or potash resources or affect correlative rights, public health, or the environment.

b. OCD retains jurisdiction to enter such orders as it deems necessary to prevent waste and to protect correlative rights, protect public health, and the environment.

c. OCD retains jurisdiction to review this Permit as necessary and no less than once every five (5) years, and may determine whether this Permit should be modified, revoked and reissued, or terminated. [40 CFR 144.36(a)]

4. Permittee Request to Modify Permit. Permittee may apply to modify the terms of this Permit.

a. **Minor Modifications.** OCD may make a minor modification to this Permit without notice and an opportunity for hearing for:

- i. Non-substantive changes such as correction of typographical errors;
- ii. Requirements for more frequent monitoring or reporting;
- iii. Changes to the Well construction requirements provided that any alteration shall comply with the conditions of the Permit and does not change the Area of Review considered in the application for the Permit;
- iv. Amendments to the plugging and abandonment plan;
- v. Changes in the types of fluids injected which are consistent with sources listed in the application for the Permit and do not change the classification of the Well;
- vi. Corrections of the actual injection interval if within the approved formation; or
- vii. Transfer of a Permit for a Well that has been spud. [40 CFR 144.41]

b. **Major Modifications.** OCD shall require notice and an opportunity for hearing for any modification that is not minor. For such modifications, Permittee shall submit Form C-108 and comply with the notice requirements of 19.15.26 NMAC. Upon review of the Form C-108, OCD may require a hearing before the OCC for approval of the modifications.

II. SPECIAL CONDITIONS

Permittee shall comply with these special conditions:

1. Permittee shall conduct continuous monitoring of surface TAG injection pressure, temperature, rate, surface annular pressure, and bottom-hole (or "end of tubing") temperatures and pressures in the tubing and the annulus.

2. In combination with the annual MIT requirement, the Permittee shall obtain a sample of the TAG being injected into the Well and provide the analytical report to the OCD Engineering Bureau.
3. Permittee shall conduct step-rate and fall-off tests on the completed Well before commencing injection. Permittee may adjust the maximum surface injection pressure for the Well after these tests with the approval of the OCD. Correspondingly, OCD shall retain the authority to reduce the maximum surface injection pressure based on the test results if necessary.
4. Permittee shall use a corrosion-inhibiting diesel with a biocide component as the annular fluid of the Well. Permittee shall maintain the volume of annular fluid replaced in the annulus of the Well as part of the Well's maintenance record.
5. Permittee shall establish temperature parameters for injected fluid, install and maintain temperature-activated controls to govern the temperature of injected fluid, and install and maintain an alarm system for the controls to indicate exceedance of the parameters.
6. Permittee shall report on a quarterly basis the summary data for injection parameters monitored under the permit, subject to OCD approval of annual reports after one year of operation upon request by Permittee.
7. Permittee shall equip the Well with a pressure-limiting device and a one-way subsurface safety valve ("SSSV") on the tubing approximately 100 feet to 250 feet below the surface. The SSSV shall be suitably designed and/or sized to allow the passage of a barrier isolation device to isolate the reservoir at or immediately above the packer using a bridge plug or a locking mandrel set in a landing nipple.
8. All casing shall have cement circulated to the surface with placement confirmed by cement bond logs
9. Well construction shall be designed for exposure to corrosive environment including, but not limited to, casing, casing cement, tubing, and the packer in proximity of injection interval.
10. Prior to commencing injection, Permittee shall obtain OCD's approval of a hydrogen-sulfide contingency plan that complies with Rule 19.15.11.9 NMAC.
11. Permittee shall establish a seismic monitoring station in proximity to the Well that shall be included in the public seismic monitoring array. Permittee shall coordinate with the New Mexico Tech Seismological Observatory to obtain technical specifications of equipment to be installed and the procedure to periodically transfer all unprocessed data to the public repository.

12. No later than thirty (30) days prior to commencing injection, Permittee shall obtain OCD's approval of immediate notification parameters for annulus pressure and tubing and casing differential pressure at a set injection temperature.
13. No later than forty-five (45) days after Permittee completes drilling the Well, Permittee shall submit to OCD Engineering Bureau the Well drilling logs including mudlogs, electric logs, daily reports, and the static bottom-hole pressure measured at completion of drilling the Well.
14. No later than forty-five (45) days after completion of the Well, Permittee shall submit to OCD Engineering Bureau the final reservoir evaluation and confirm that the open-hole portion of the Well does not intersect the fault plane of any identified fault that occurs within the approved injection interval.
15. No later than ninety (90) days after commencing injection, and no less frequently than annually thereafter, Permittee shall consult with OCD regarding the immediate notification parameters. If OCD determines that the immediate notification parameters should be modified, Permittee shall provide modified parameters within thirty (30) days of notification for review by OCD.
16. No later than thirty (30) days after the fifth (5th) year of injection, Permittee shall submit to OCD Engineering Bureau a report summarizing the Well's performance including injected volumes by fluid type, reservoir pressures, the models calibrated using that information and seismic modeling. Permittee shall include in the report an assessment of the TAG plume migration and potential impacts to the active disposal well, the Wildrye Fee SWD No. 1 (API No. 30-025-51764), and the plugged well, the Toro 21 State Com No. 1 (API No. 30-025-34492).
17. The Permittee shall be obligated to permit and initiate completion (at a minimum spud) of a second companion AGI Well within three (3) years of commencing injection in the initial AGI Well approved by the Order. Application for the second companion AGI Well shall be made following 19.15.26.8(C) NMAC and using the same one-mile Area of Review and notice parameters of the prior AGI Well application.

III. ATTACHMENTS

Well Completion Diagram as submitted in Applicant's Revised Exhibit in Case No. 25413
[Received July 16, 2025]

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White Russian AGI #1
Lea Midstream -- S17, T19S, R3E

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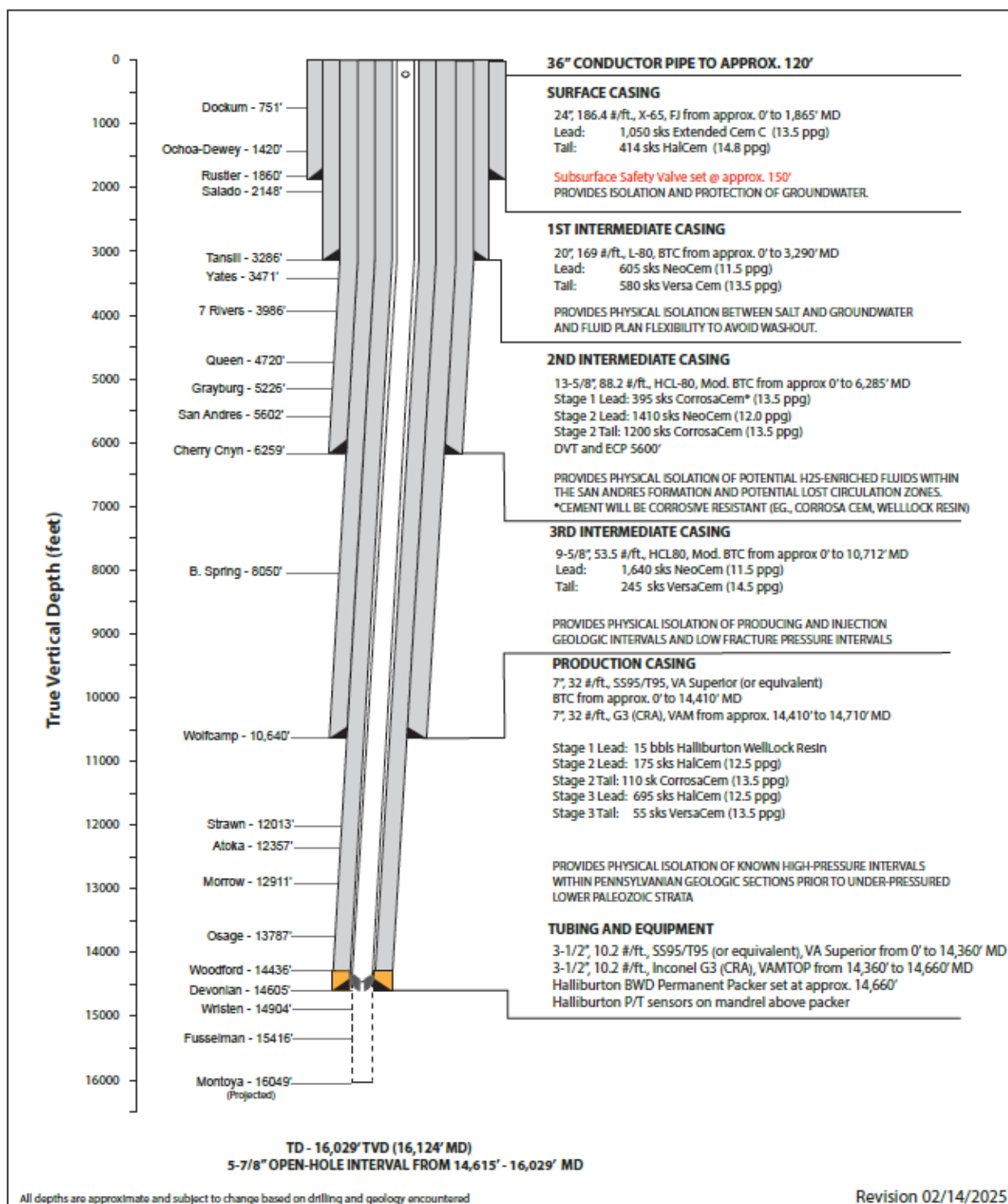


Figure 4 . Well Schematic for Proposed White Russian AGI #1 Deviated Well.