

Initial Application

Received 12/08/2021

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

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Applicant: Apache Corporation **OGRID Number:** 873
Well Name: Northeast Drinkard Unit 615 **API:** 30-025-06339
Pool: Eunice; Blinebry-Tubb-Drinkard, North **Pool Code:** 22900

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
 B. Check one only for [I] or [II]
 [I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
 [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☒ Offset operators or lease holders
 B. ☒ Royalty, overriding royalty owners, revenue owners
 C. ☒ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☒ Surface owner
 G. ☒ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

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

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

Brian Wood

Print or Type Name

Signature

12-8-21

Date

505 466-8120

Phone Number

brian@permitswest.com

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: XXX Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? XXX Yes No
- II. OPERATOR: APACHE CORPORATION
ADDRESS: 303 VETERANS AIRPARK LANE, SUITE 3000, MIDLAND, TX 79705
CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes XXX No
If yes, give the Division order number authorizing the project: R-8541
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
NORTHEAST DRINKARD UNIT 615
30-025-06339
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN WOOD  TITLE: CONSULTANT
SIGNATURE: _____ DATE: DEC. 6, 2021
E-MAIL ADDRESS: brian@permitswest.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:

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

- I. Goal is to deepen a water injection well. The well is currently 6643' deep and injecting into the Blinebry from 5777' to 6010' and the Drinkard from 6468' to 6643'. Well will be deepened 32' to 6675', a liner run and cemented to GL, and will inject into the Drinkard from 6480' to 6665'.

The Drinkard is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900). The well and zone are part of the Northeast Drinkard Unit (Unit #300160, Case 9231, Order R-8540) that was established in 1987 by Shell. The Unit was subsequently operated by Altura, and now, by Apache. It is an active water flood.

The well was authorized as a water injection well under Case 9232, Order R-8541 in 1987. Note that the 1987 applicant transposed the location of the 615 with 617. ("615W" is used twice in the application. However, well location and well bore diagram match the 617. Order R-8541 has the correct location and correct pre-Unit name.) Apache will file to convert the 617 this month.

- II. Operator: Apache Corporation (OGRID #873)
Operator phone number: (432) 818-1062
Operator address: 303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705
Contact for Application: Brian Wood (Permits West, Inc.)
Phone: (505) 466-8120

- III. A. (1) Lease: fee (Eva Owen)
Lease Size: 80 acres (see Exhibit A for C-102 and map)
Closest Lease Line: 660'
Lease Area: W2NW4 Section 14, T. 21 S., R. 37 E.
Unit Size: 4,938 acres
Closest Unit Line: 660'
Unit Area: T. 21 S., R. 37 E.
Section 2: all
Section 3: all
Section 4: Lots 1, 8, 9, & 16
Section 10: all

30-025-06339

Section 11: SW4

Section 14: NW4

Section 15, 22, & 23: all

- A. (2) Surface casing (13.375", 48#, H-40) was set in 1949 at 153' in a 17.5" hole and cemented to GL with 150 sacks. Cement circulated.

Intermediate casing (8.625", 36#, H-40) was set at 2721' in a 12.25" hole and cemented to 1414' (temperature survey) with 600 sacks.

Production casing (7" O. D., 6.37" I. D., 23#, J-55) was set at 6600' in an 8.75" hole and cemented to 3875' (temperature survey) with 500 sacks.

An 8.75" hole was drilled to 6643' and the well was completed open hole (6600' - 6643') in the Drinkard. Blinbry and Tubb were subsequently perforated and completed. Tubb was squeezed in 2000.

A 6.125" hole will be drilled to 6675'. A 4.5", 12.75#, L-80 EZGO FJ4 flush joint liner will be run to 6675' and cemented to GL with 250 sacks. Liner and casing will be perforated from 6480' to 6665' in the Drinkard.

Mechanical integrity of the casing will be assured by hydraulically pressure testing to 500 psi for 30 minutes.

- A. (3) Tubing specifications are 2.375", J-55, 4.7#, and internally plastic coated. Setting depth will be 6425'. (Top perforation will be 6480').
- A. (4) A lock set injection packer will be set at 6425' (55' above the highest perforation of 6480').
- B. (1) Injection zone will be the Drinkard. It is in the Eunice; Blinbry-Tubb-Drinkard, North Pool. Estimated fracture gradient is 0.56 psi per foot.

- B. (2) Injection interval will be 6480' to 6665'. The well is cased.
- B. (3) Well was originally drilled as a Drinkard oil well.
- B. (4) Will perforate from 6480' to 6665'.
- B. (5) Next higher oil or gas zone within the area of review is the Tubb at 6140' - 6459'. Injection interval will be 6480' - 6665'. Tubb is unitized with the Drinkard. Next lower oil or gas zone within the area of review is the Abo. Its estimated top is at 6690'.

IV. This is not a horizontal or vertical expansion of an existing injection project. The case file for the unit approval (R-8540) includes a discussion of the Drinkard water flood. The water flood (R-8541) was approved at the same time in 1987. Eighteen water flood expansions have been approved since then. Closest unit boundary is 660' south. Five injection wells are within a half-mile radius (see Exhibit B).

V. Exhibit B shows and tabulates all 33 existing wells (27 producers + 5 injectors + 1 P&A) within a half-mile radius, regardless of depth. Exhibit C shows all 706 existing wells (474 oil or gas producing wells + 114 injection or disposal wells + 67 P & A wells + 2 waterflood supply wells + 1 brine supply well + 48 fresh water wells) within a two-mile radius.

Exhibit D shows and tabulates all leases (fee and NMSLO) within a half-mile radius. Exhibit E shows all lessors (BLM, fee, and NMSLO) within a two-mile radius.

VI. Thirty-three existing wells are within a half-mile. Thirty-two of the wells penetrated the Drinkard (top = 6460'). The 32 penetrators include 26 oil or gas wells, 5 water injectors, and 1 P&A well. Exhibit F tabulates the penetrators and diagrams the P&A well.

- VII. 1. Average injection rate will be ≈ 750 bwpd. Maximum will be 1000 bwpd.
2. System will be closed. The well is tied into the existing Unit pipeline system consisting of a branched pattern with centrifugal pumps.
3. Average injection pressure will be ≈ 1000 psi. Standard maximum injection pressure would be 1296 psi ($= 0.2$ psi/foot $\times$ 6480' (top perforation)). However, in accordance with IPI-185, Apache requests a maximum injection pressure of 1375 psi.
4. Water source will be water pumped from existing $\approx 4000'$ deep San Andres water supply wells plus produced water from the Blinbry, Tubb, and Drinkard zones. Source water and produced water are collected in separate skim tanks. The two water streams (source and produced) are commingled in a storage tank before being piped to injection wells. A comparison of analyses from the discharge pump and San Andres follows. Complete analyses are in Exhibit G.

	<u>Injection Pump Discharge</u>	<u>San Andres 919-S</u>
Anion/Cation Ratio	1.0	N/A
Barium	0.1 mg/l	0.38 mg/l
Bicarbonate	671.0 mg/l	562.0 mg/l
Calcium	1,099.0 mg/l	608.0 mg/l
Carbon Dioxide	80.0 ppm	80.0 ppm
Chloride	10,086.0 mg/l	6,200.0 mg/l
Hydrogen Sulfide	90.0 ppm	408.0 ppm
Iron	0.3 mg/l	0.0 mg/l
Magnesium	439.0 mg/l	244.0 mg/l
Manganese	N/A	0.01 mg/l
pH	7.5	6.49
Potassium	115.0 mg/l	N/A
Sodium	5,799.5 mg/l	3,909.0 mg/l
Strontium	28.0 mg/l	19.0 mg/l
Sulfate	2,465.0 mg/l	1,750.0 mg/l
Total Dissolved Solids	20,702.9 mg/l	13,273.0 mg/l

5. Blinebry, Tubb, and Drinkard produce in the Unit. Project goal is to increase production.

VIII. The Unit is on the north end of a north-northwest to south-southeast trending anticline. It is part of the Penrose Skelly trend and parallels the west edge of the Central Basin Platform. Dips are $\approx 1^\circ$ to $\approx 2^\circ$. Core data summary shows:

	Blinebry	Tubb	Drinkard
Porosity (%)	9.79	8.28	11
Permeability (md)	2.45	1.19	2.45
Lithology	dolomite, packstone	sandy dolomite	limestone, packstone, grainstone

Adjacent to the Northeast Drinkard Unit are three other Drinkard water floods (Apache's West Blinebry Drinkard and East Blinebry Drinkard Units and Southwest Royalties' Central Drinkard Unit).

Notable depths are:

Quaternary = 0'
Rustler = 1300'
Salt top = 1400'
Salt base = 2530'
Yates = 2590'
Seven Rivers = 2840'
Queen = 3410'
San Andres = 3950'
Glorieta = 5180'
Blinebry = 5610'
Tubb = 5920'
Drinkard = 6460'
injection interval = 6480' – 6665'
current TD = 6643'
proposed TD = 6675'

State Engineer records (Exhibit H) show four water wells are $\geq 6633'$ deep and within 0.98 to 1.80 miles. All four were oil wells that were plugged back to

produce from the San Andres for water floods. San Andres water had a TDS of 13,273 in NEDU 919S (Exhibit H). Excluding those three wells, then the deepest water well within 2-miles is 198'. NEDU 615 is 1.8 miles south of the Ogallala aquifer and >10 miles northeast of the Capitan Reef. No existing underground drinking water source is below the Drinkard within a mile radius. Produced water has been disposed into two zones (Grayburg, San Andres) above the Drinkard within T. 21 S., R. 37 E. via eight SWD wells. Over 195,238,978 barrels of water have been injected in the Northeast Drinkard Unit to date.

IX. The well will be stimulated with acid to clean out scale or fill.

X. A GR-neutron log is on file with NMOCD.

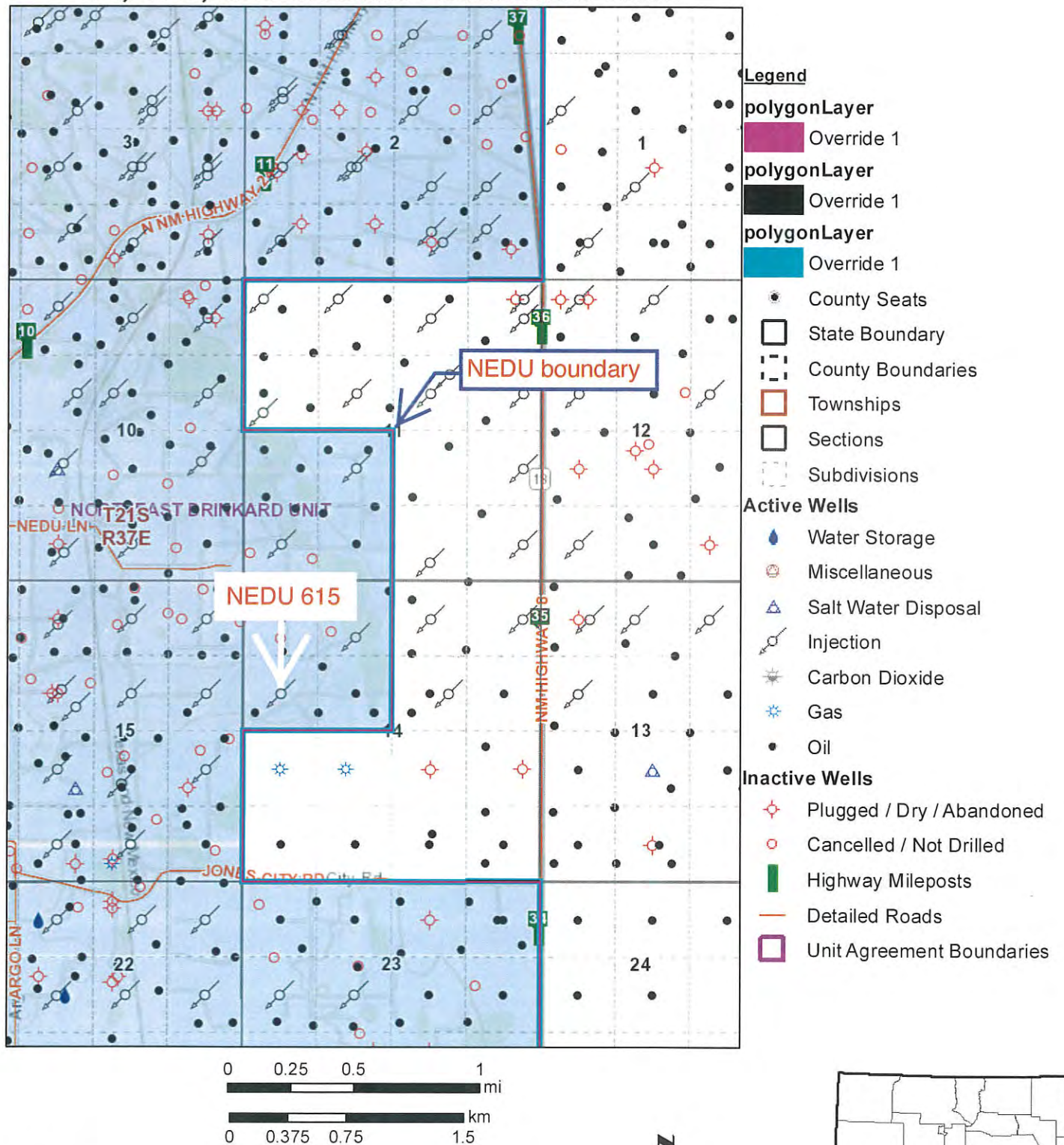
XI. Sample analyses from a water well is in Exhibit I. The water well is not in the State Engineer's records. The water well is 1.3 miles northeast in Section 12 and is equipped with an electric pump. It was the only active water well within 2 miles that was found during October 6 and 21, 2021 field inspections. Four water wells within 1.1 miles were found, but all were dry.

XII. Apache (Exhibit J) is not aware of any geologic or engineering data that may indicate the Drinkard is in hydrologic connection with any underground source of water. There are 145 Drinkard injectors in New Mexico. Previously approved Unit water flood expansions are WFX-583, -624, -674, -722, -740, -752, -759, -774, -784, -881, -882, -896, -906, -907, -910, -911, -971, and -975.

XIII. A legal ad (see Exhibit K) was published on November 26, 2021. Notice (this application) has been sent (Exhibit L) to the surface owner (J. A. Bryant), lessees of record (Chevron USA, J R Cone, Occidental Permian, Southwest Royalties), only government lessor (NMSLO), and all other well operators (J R Cone, Southwest Royalties) within the ½ mile area of review.



Oil, Gas, and Minerals Leases and Wells



Disclaimer:
The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

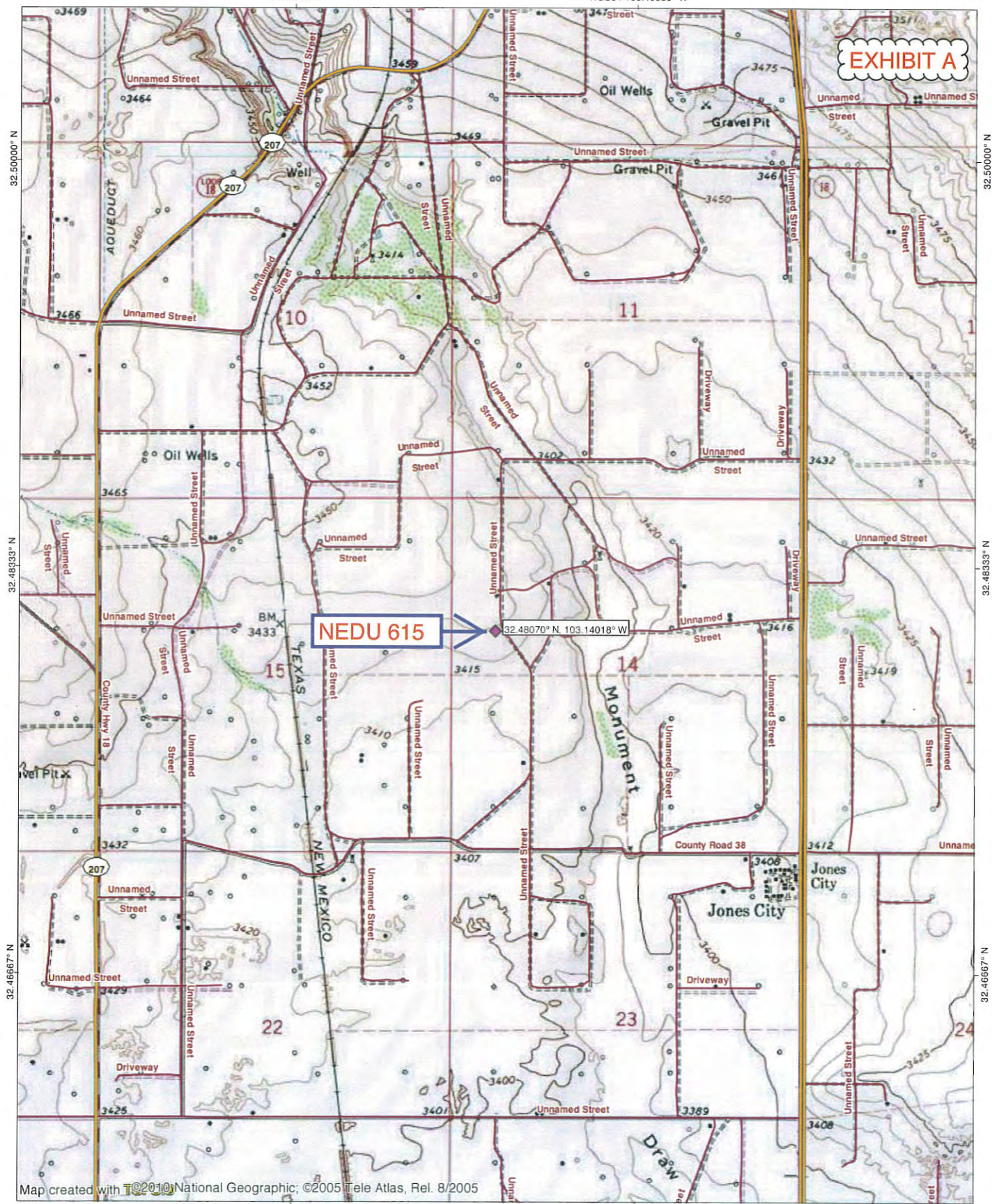


EXHIBIT A



OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

EXHIBIT A

SECTION A					
Operator MORAN OIL PRODUCING & DRILLING CORP.			Lease OWEN		Well No. 1
Unit Letter E	Section 14	Township 21	Range 37	County LEA	
Actual Footage Location of Well: 1980 feet from the NORTH line and 660 feet from the WEST line					
Ground Level Elev. 3430	Producing Formation BLINEBRY		Pool BLINEBRY OIL		Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES XX NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	K. D. MCPETERS
Position	ENGINEER
Company	MORAN OIL PROD. & DRLG. CORP.
Date	10-4-62

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



EXHIBIT J

NM Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Re: Geology Statement
Apache Corporation
Northeast Drinkard Unit #615
Section 14, T. 21S, R. 37E
Lea County, New Mexico

To whom it may concern:

Publicly available geologic and engineering data related to the proposed well have been thoroughly reviewed, and no evidence for open faults or any other hydrologic connection between the proposed Drinkard injection zone and any underground sources of drinking water has been found. Please see the attached seismic risk assessment for additional information.

Sincerely,

Cory Walk
Geologist

Seismic Risk Assessment
Apache Corporation
Northeast Drinkard Unit #615
Section 14, Township 21 South, Range 37 East
Lea County, New Mexico

Cory Walk, M.S.

A handwritten signature in cursive script that reads "Cory Walk".

Geologist
Permits West Inc.

November 22, 2021



GENERAL INFORMATION

Northeast Drinkard Unit #615 is located in the NW ¼, section 14, T21S, R37E, about 3 miles north of Eunice, NM in the Central Basin Platform of the greater Permian Basin. Apache Corporation proposes to deepen this existing water injection well. The proposed injection zone is within the Drinkard member of the Yeso Formation through a cased hole from 6,480'-6,665' below ground surface. The Drinkard is primarily a carbonate reservoir. This report assesses any potential concerns relating to induced seismicity along deep penetrating Precambrian faults or the connection between the injection zone and known underground potable water sources.

SEISMIC RISK ASSESSMENT

Historical Seismicity

Searching the USGS earthquake catalog resulted in **no (0) earthquakes above a magnitude 2.5 within 6 miles (9.7 km) of the proposed injection site since 1970 (Fig 1).** According to this dataset, the nearest historical earthquake occurred June 2, 2001 about 10.1 miles (~16.3 km) south and had a magnitude of 3.3.

Basement Faults and Subsurface Conditions

A structure contour map (Fig. 1) of the Precambrian basement shows the Northeast Drinkard Unit #615 is approximately 1.5 miles from the nearest basement-penetrating fault inferred by Ewing et al (1990) and about 63 miles from the nearest surface fault.

Snee and Zoback (2018) state, "In the western part of Eddy County, New Mexico, S_{Hmax} is ~north-south (consistent with the state of stress in the Rio Grande Rift; Zoback and Zoback, 1980) but rotates to ~east-northeast-west-southwest in southern Lea County, New Mexico, and the northernmost parts of Culberson and Reeves counties, Texas." Around the Northeast Drinkard Unit #615 site, Snee and Zoback indicate a S_{Hmax} **direction of N075°E and an A_ϕ of 0.81, indicating a normal/strike-slip faulting stress regime.**

Induced seismicity is a growing concern of deep injection wells. Snee and Zoback (2018) show that due to its orientation, the nearest Precambrian fault has a low probability of slipping (Fig. 2). Also, the proposed injection zone is much shallower in the Drinkard member of the Yeso Formation and therefore would not affect the deep Precambrian faults. In addition to the existing fault orientation, the vertical (approx. 1550') and horizontal (1.5 miles) separation between the proposed SWD injection zone and any deep Precambrian faults is large enough to infer that there is no immediate concern or potential of induced seismicity as a result from this injection well.



GROUNDWATER SOURCES

Three principal aquifers are used for potable groundwater in southern Lea County; these geologic units include the Triassic Santa Rosa formation, Tertiary Ogallala formation, and Quaternary alluvium. Nicholson and Clebsch (1961) state, "Potable ground water is not available below the Permian and Triassic unconformity but, because this boundary is not easily defined, the top of the Rustler anhydrite formation is regarded as the effective lower limit of 'potable' ground water." Around the Northeast Drinkard Unit #615 well, the top of a thick anhydrite unit interpreted to represent the Rustler Formation lies at a depth of ~1285 feet bgs.

STRATIGRAPHY

A thick permeability barrier (Rustler Anhydrite and Salado Fm; 1500+ ft thick) exists above the targeted Drinkard injection zone. Well data indicates ~5,195 ft of rock separating the top of the injection zone from the previously stated lower limit of potable water at the top of the Rustler anhydrite formation.

CONCLUDING STATEMENT

All available geologic and engineering data evaluated around the Northeast Drinkard Unit #615 well show no potential structural or stratigraphic connection between the Drinkard injection zone and any subsurface potable water sources. The shallow injection zone, spatial location and orientation of nearby faults also removes any major concern of inducing seismic activity.

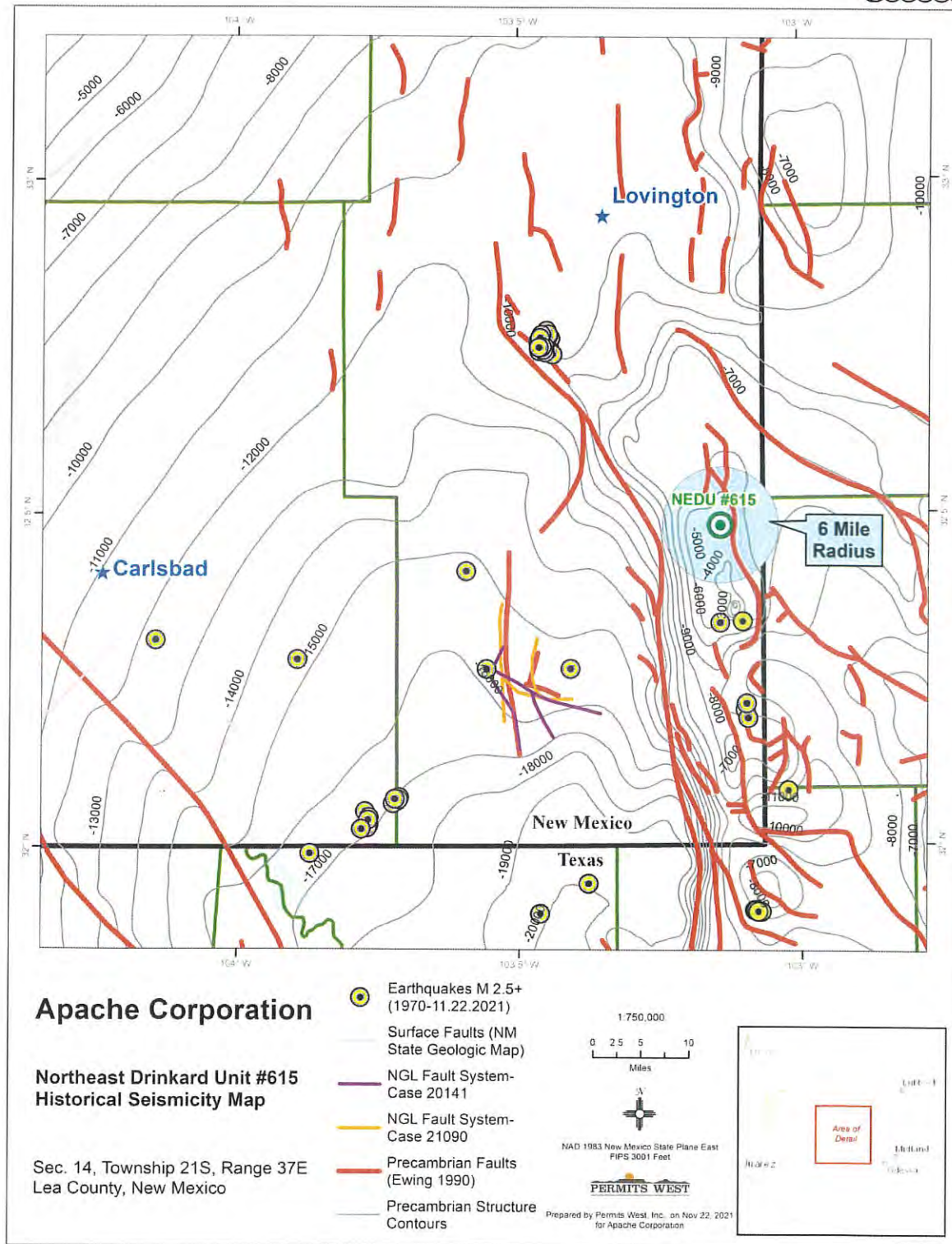


Figure 1. Structural contour map of the Precambrian basement in feet below sea level. Red lines represent the locations of Precambrian basement-penetrating faults (Ewing et al., 1990). The Northeast Drinkard Unit #615 well lies ~1.5 miles west of the closest deeply penetrating fault, ~63 miles from the nearest surface fault and ~10.1 miles from the closest historic earthquake.

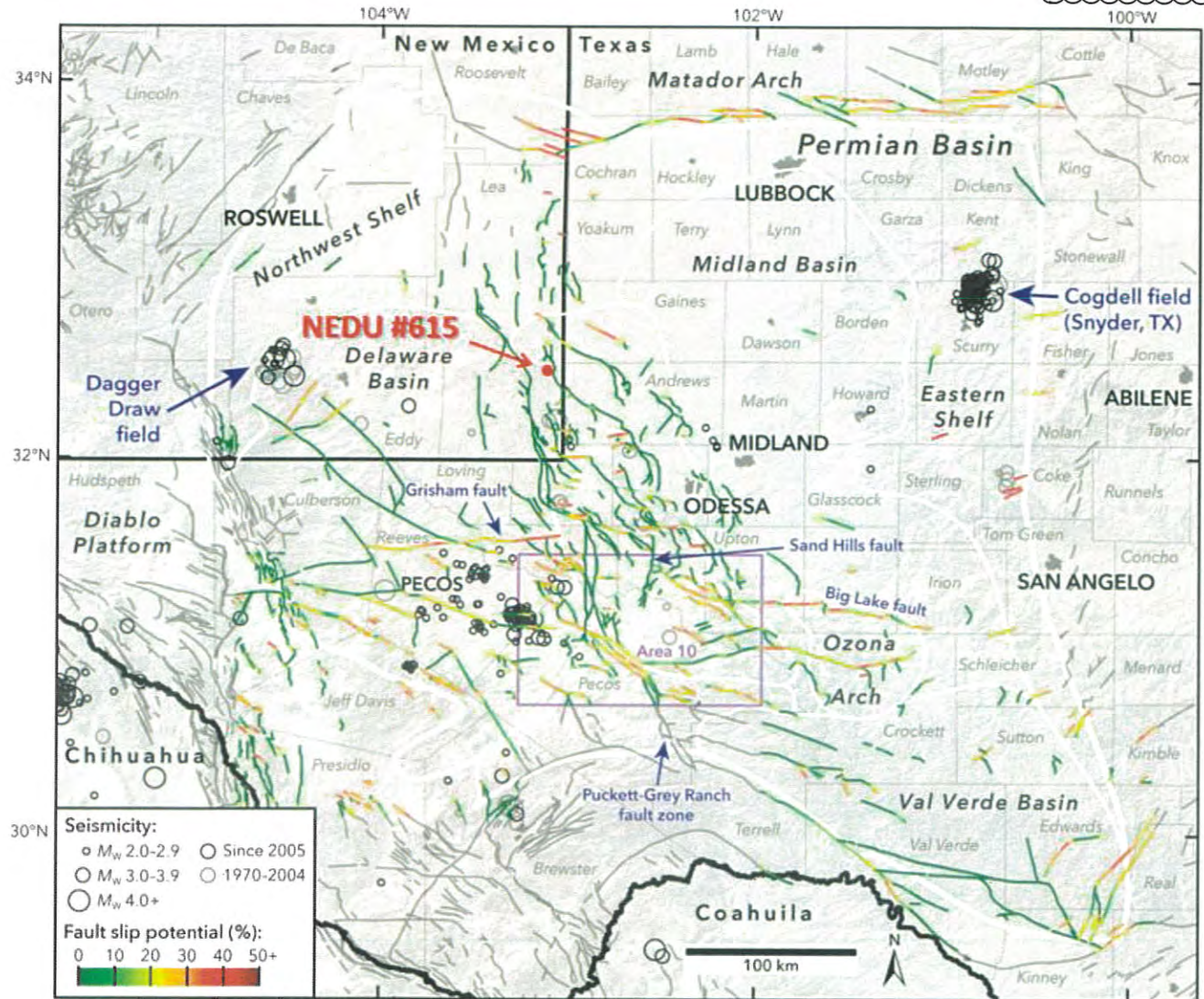


Figure 2. Modified from Snee and Zoback (2018). The nearest deep Precambrian fault lies ~1.5 miles east of the proposed SWD well and has a low probability (0%) of slip. Also, the proposed injection zone is much shallower in the Drinkard and therefore removes any major concern of inducing seismicity on any known fault.



References Cited

- Ewing, T. E., 1990, The tectonic map of Texas: Austin, Bureau of Economic Geology, The University of Texas at Austin.
- Geologic Map of New Mexico, New Mexico Bureau of Geology and Mineral Resources, 2003, Scale 1:500,000.
- Nicholson, A., Jr., and Clebsch, A., Jr., 1961, Geology and ground-water conditions in southern Lea County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Ground-Water Report 6, 123 pp., 2 plates.
- Snee, J.-E.L., Zoback, M.D., 2018, State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity: *Leading Edge*, v. 37, p. 127–134.

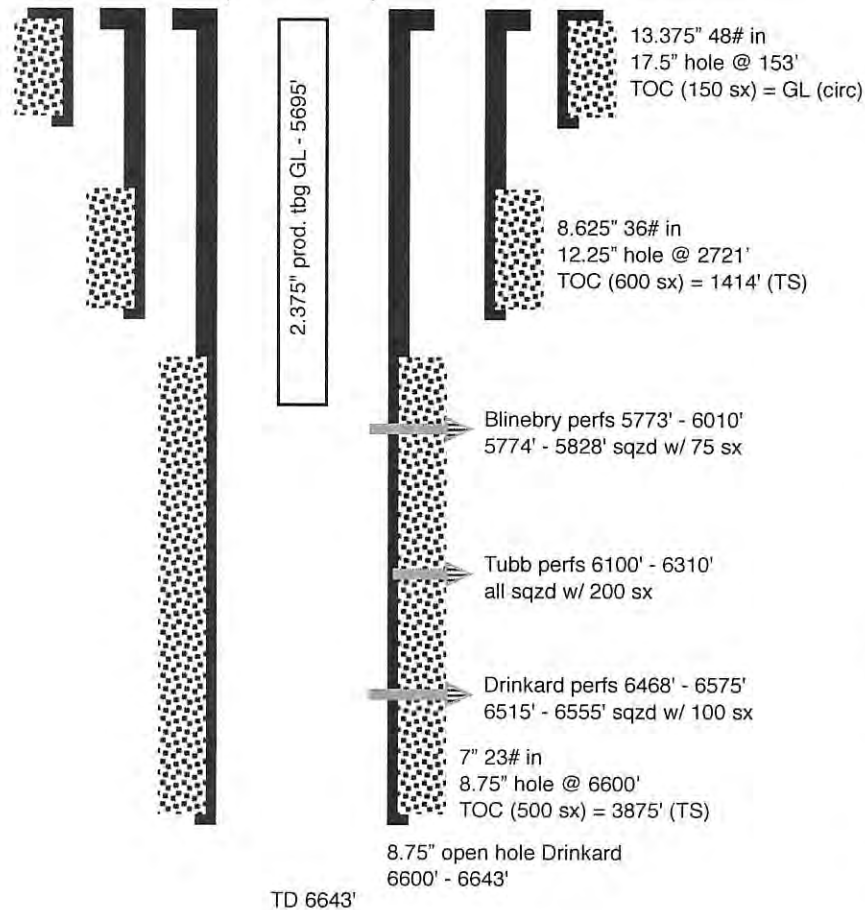
INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATIONWELL NAME & NUMBER: NORTHEAST DRINKARD UNIT 615

WELL LOCATION: <u>1980' FNL & 660' FWL</u>	<u>E</u>	<u>14</u>	<u>21 S</u>	<u>37 E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC
"AS IS"

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: 17.5" Casing Size: 13.375"
 Cemented with: 150 sx. *or* _____ ft³
 Top of Cement: SURFACE Method Determined: CIRC.

Intermediate Casing

Hole Size: 12.25" Casing Size: 8.625"
 Cemented with: 600 sx. *or* _____ ft³
 Top of Cement: 1414' Method Determined: TEMP. SURV.

Production Casing

Hole Size: 8.75" Casing Size: 7"
 Cemented with: 500 sx. *or* _____ ft³
 Top of Cement: 3875' Method Determined: TEMP. SURV.
 Total Depth: now: 6643'; plan: 6675'

Injection Interval

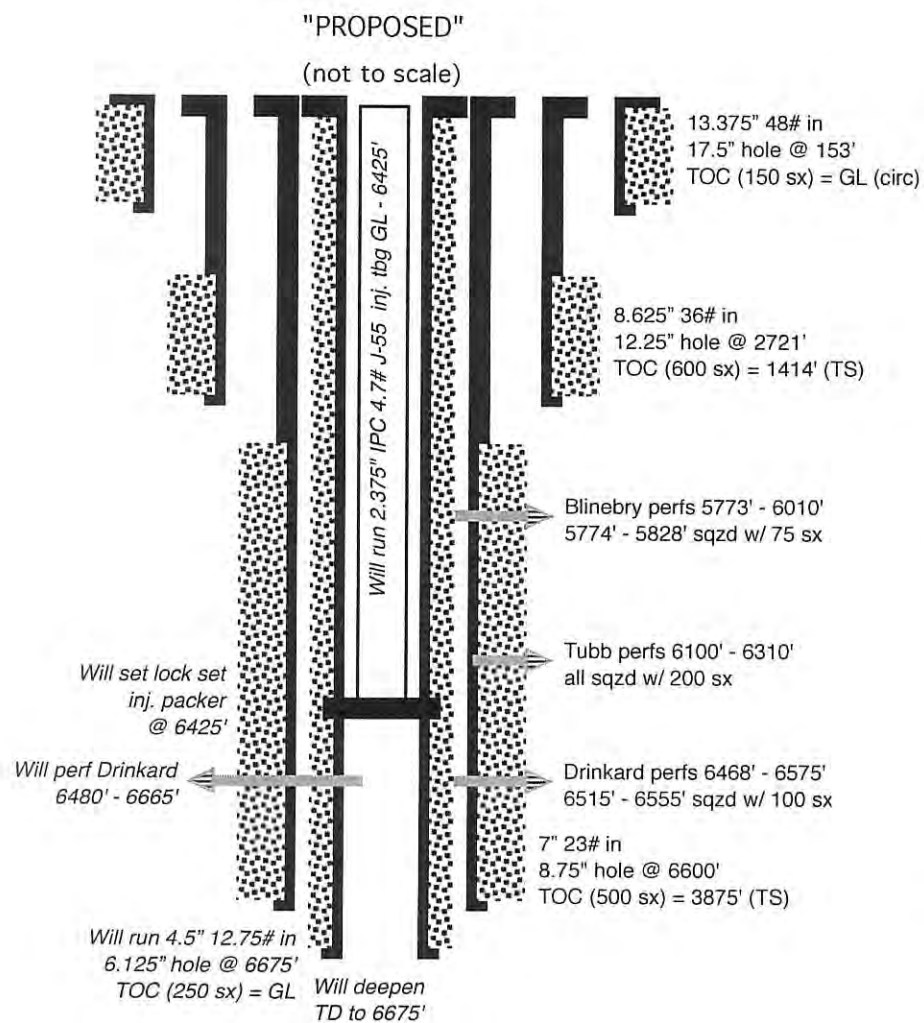
6480' feet to 6665'

(Perforated or Open Hole; indicate which)
 ■■■■■■■■■■

INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATIONWELL NAME & NUMBER: NORTHEAST DRINKARD UNIT 615

WELL LOCATION: 1980' FNL & 660' FWL E 14 21 S 37 E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17.5" Casing Size: 13.375"
 Cemented with: 150 sx. *or* _____ ft³
 Top of Cement: SURFACE Method Determined: CIRC.

Intermediate Casing

Hole Size: 12.25" Casing Size: 8.625"
 Cemented with: 600 sx. *or* _____ ft³
 Top of Cement: 1414' Method Determined: TEMP. SURV.

Production Casing

Hole Size: 8.75" Casing Size: 7"
 Cemented with: 500 sx. *or* _____ ft³
 Top of Cement: 3875' Method Determined: TEMP. SURV.
 Total Depth: now: 6643'; plan: 6675'

Injection Interval

6480' feet to 6665'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COATType of Packer: LOCK SET INJECTIONPacker Setting Depth: ≈6425'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes
- XXX
- No

If no, for what purpose was the well originally drilled? DRINKARD OIL WELL

2. Name of the Injection Formation:
- DRINKARD

3. Name of Field or Pool (if applicable):
- EUNICE; BLI-TU-DR, NORTH (POOL CODE 22900)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. YES
 BLINEBRY: 5773' - 6010'; 5774' - 5828' SQUEEZED WITH 75 SX, REMAINDER OPEN
 TUBB: 6100' - 6310'; SAME SQUEEZED WITH 200 SX
 DRINKARD: 6468' - 6575; 6515' - 6555' SQUEEZED WITH 100 X; 6600' - TD OPEN HOLE
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

OVER: GRAYBURG (3750'), SAN ANDRES (3950'), BLINEBRY (5610'), TUBB (65920')UNDER: ABO (6700'), SIMPSON (7550')



EZGO™ Connection Data Sheet

Your Requirements

Pipe Size (OD): **4.5 in**

Weight: **12.75 lb/ft**

Grade: **L-80**

Connection: **EZGO™ FJ4**

Material

Grade	L-80
Minimum Yield Strength	80,000 psi
Minimum Ultimate Strength	95,000 psi

Pipe Dimensions

Nominal OD	4.5 in
Nominal ID	3.958 in
Nominal Wall Thickness	0.271 in
Nominal Weight	12.75 lbs/ft
Plain End Weight	12.25 lbs/ft
Nominal Pipe Body Area	3.6 sq in

Pipe Body Performance

Minimum Pipe Body Yield Strength	288,000 lbs
Minimum Collapse Pressure	7,500 psi
Minimum Internal Yield Pressure	8,430 psi
Hydrostatic Test Pressure	7,700 psi

Torque Values

Minimum Final Torque	2,200 ft-lbs
Maximum Final Torque	3,000 ft-lbs



EZGO™ Connection Dimensions

Connection OD	4.5 in
Connection ID	3.883 in
Connection Drift Diameter	3.833 in
Make-Up Loss	2.05 in
Joint Efficiency	52.5 %

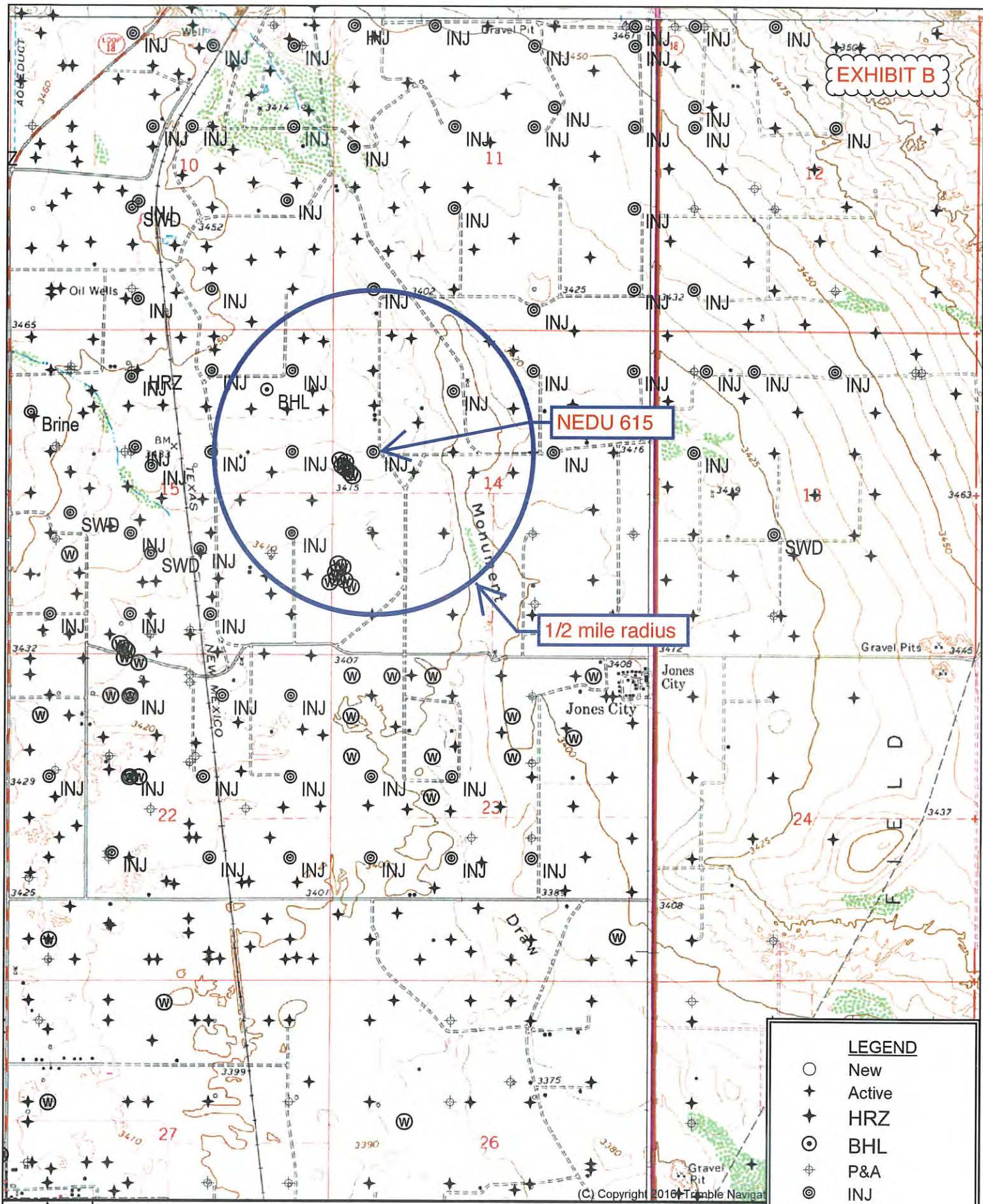
EZGO™ Connection Performance

Joint Strength	150,000 lbs
Compression Rating	90,000 lbs
Collapse Pressure Rating	3,000 psi
Internal Pressure Resistance	3,000 psi



Discover How EZGO™ Connections Can Help Optimize Your Drilling.
www.ezgoconnections.com

EXHIBIT B



NEDU 615

1/2 mile radius

LEGEND

- New
- ✦ Active
- ✦ HRZ
- ⊙ BHL
- ✦ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ Brine
- ⊙ Water

Quad: EUNICE
Scale: 1 inch = 2,000 ft.



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WELLS WITHIN 1/2 MILE RADIUS OF NEDU 615

API	WELL	UNIT- SECTION- T21S-R37E	OPERATOR	WELL STATUS	TVD	ZONE @ TD	FEET FROM NEDU 615
3002537029	NEDU 627	E-14	Apache	O	6850	Abo	560
3002536804	NEDU 626	F-14	Apache	O	6850	Abo	750
3002541618	NEDU 635	D-14	Apache	O	6950	Abo	750
3002534741	NEDU 621	F-14	Apache	O	6820	Abo	885
3002534410	NEDU 619	A-15	Apache	O	6810	Abo	1065
3002539588	NEDU 634	I-15	Apache	O	7002	Abo	1270
3002537729	NEDU 530	K-14	Apache	O	6900	Abo	1292
3002506569	Eubanks 002	L-14	JR Cone	G	6622	Drinkard	1320
3002506579	NEDU 614	D-14	Apache	O	7614	granite	1320
3002506580	NEDU 617	F-14	Apache	O	6613	Drinkard	1327
3002509919	NEDU 613	H-15	Apache	I	6641	Drinkard	1327
3002536021	State S 011	A-15	Southwest Royalties	O	4010	San Andres	1404
3002541585	NEDU 663	A-15	Apache	O	6965	Abo	1570
3002506581	NEDU 616	C-14	Apache	I	7443	Abo	1655
3002506589	NEDU 632	H-15	Apache	O	7567	granite	1691
3002537724	NEDU 630	F-14	Apache	O	6751	Abo	1691

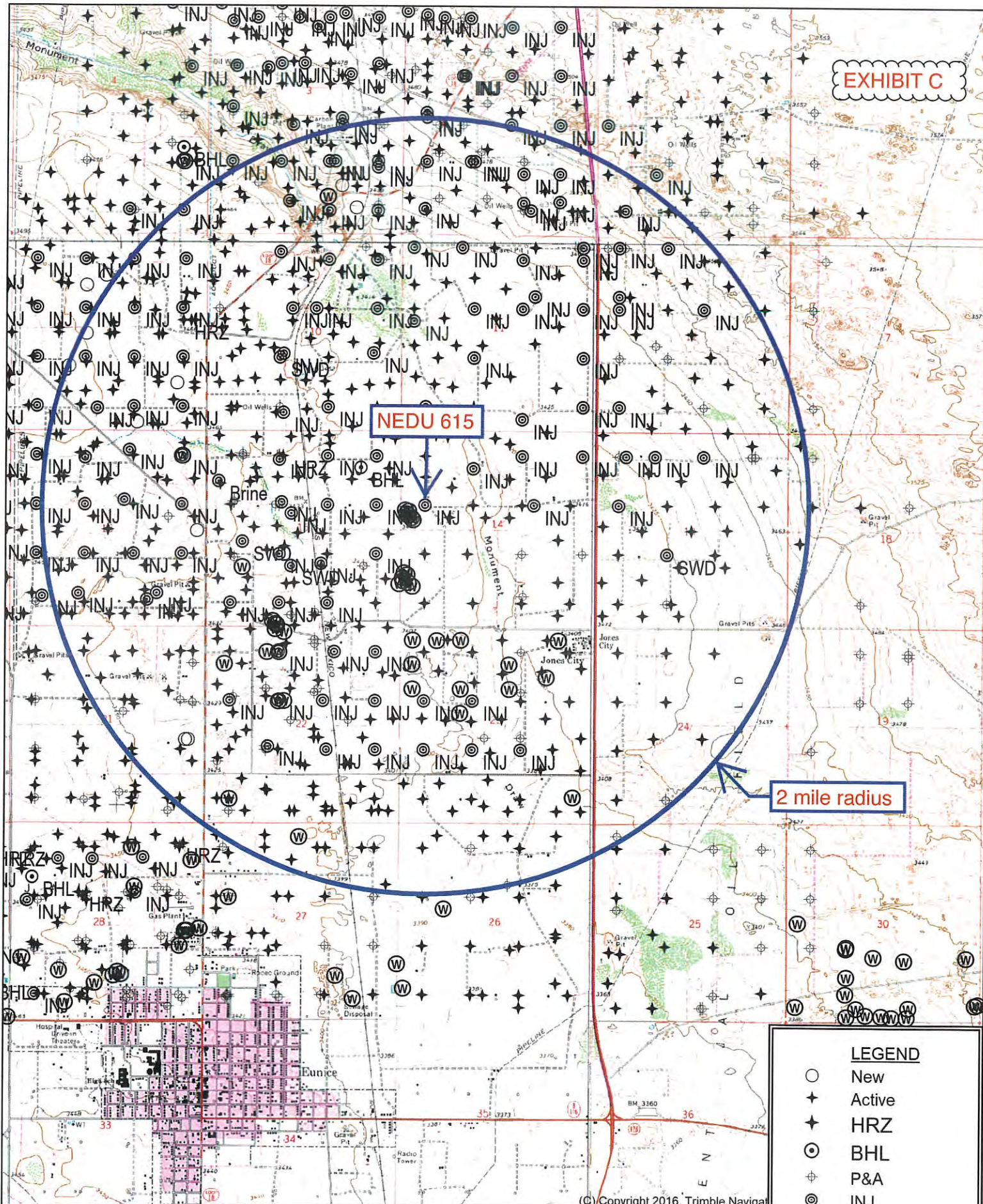
WELLS WITHIN 1/2 MILE RADIUS OF NEDU 615

API	WELL	UNIT- SECTION- T21S-R37E	OPERATOR	WELL STATUS	TVD	ZONE @ TD	FEET FROM NEDU 615
3002506571	Eubanks 003	K-14	JR Cone	G	7525	granite	1768
3002506595	NEDU 709	I-15	Apache	I	6622	Drinkard	1871
3002520567	NEDU 612	A-15	Apache	I	6700	Drinkard	1872
3002541168	NEDU 565	D-14	Apache	O	6945	Abo	1909
3002534740	NEDU 518	D-14	Apache	O	6860	Abo	1944
3002534413	NEDU 519	A-15	Apache	O	6780	Abo	1970
3002534656	NEDU 618	B-15	Apache	O	6820	Abo	2116
3002541601	NEDU 536	A-15	Apache	O	6956	Abo	2165
3002536805	NEDU 719	P-15	Apache	O	6855	Abo	2257
3002534650	NEDU 620	J-15	Apache	O	6820	Abo	2309
3002539275	EBDU 089	G-14	Apache	O	6905	Abo	2314
3002506599	L G Warlick C 008	I-15	Marathon	P&A	7626	Granite Wash	2339
3002538113	EBDU 060	B-14	Apache	O	6875	Abo	2397
3002506582	EBDU 049	G-14	Apache	O	7573	Granite Wash	2622
3002537249	NEDU 529	C-14	Apache	O	6875	Abo	2631
3002506570	Eubanks 001	M-14	JR Cone	O	6639	Drinkard	2640

WELLS WITHIN 1/2 MILE RADIUS OF NEDU 615

API	WELL	UNIT- SECTION- T21S-R37E	OPERATOR	WELL STATUS	TVD	ZONE @ TD	FEET FROM NEDU 615
3002506532	NEDU 511	M-11	Apache	I	7523	granite	2640
3002509912	NEDU 611	G-15	Apache	I	6641	Drinkard	2642

EXHIBIT C



NEDU 615

2 mile radius

LEGEND

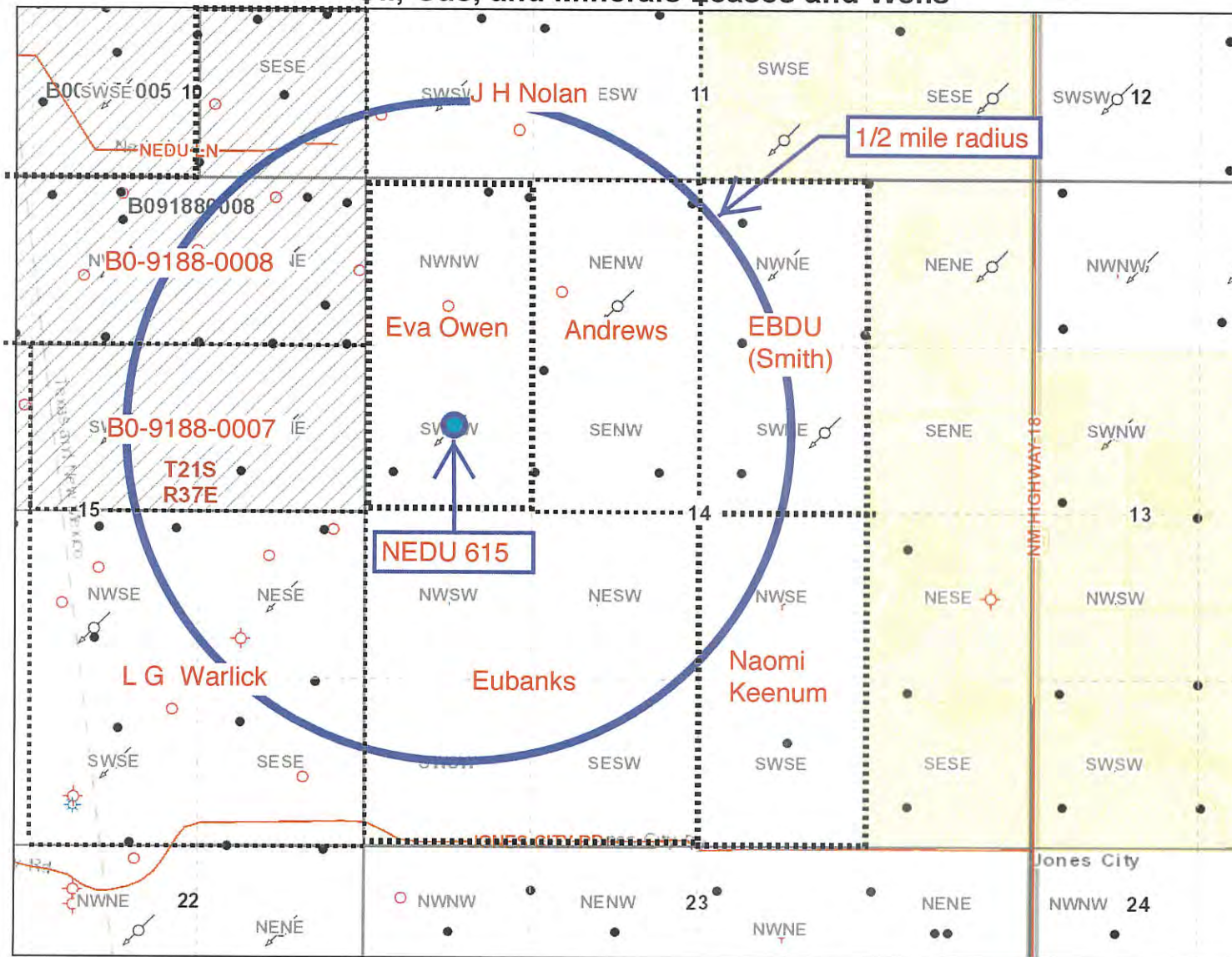
- New
- ★ Active
- ★ HRZ
- ⊙ BHL
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ Brine
- ⊙ Water

Quad: JAL
Scale: 1 inch = 3,333 ft.

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Oil, Gas, and Minerals Leases and Wells



Legend

Townships

Sections

Subdivisions

Active Wells

Water Storage

Miscellaneous

Salt Water Disposal

Injection

Carbon Dioxide

Gas

Oil

Inactive Wells

Plugged / Dry / Abandoned

Cancelled / Not Drilled

Detailed Roads

Oil and Gas Leases

Federal Minerals Ownership

All Minerals

Coal Only

Oil and Gas Only

Oil, Gas and Coal Only

Other Minerals

EXHIBIT D

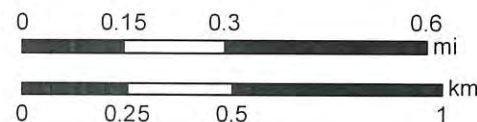


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Created: 11/05/2021

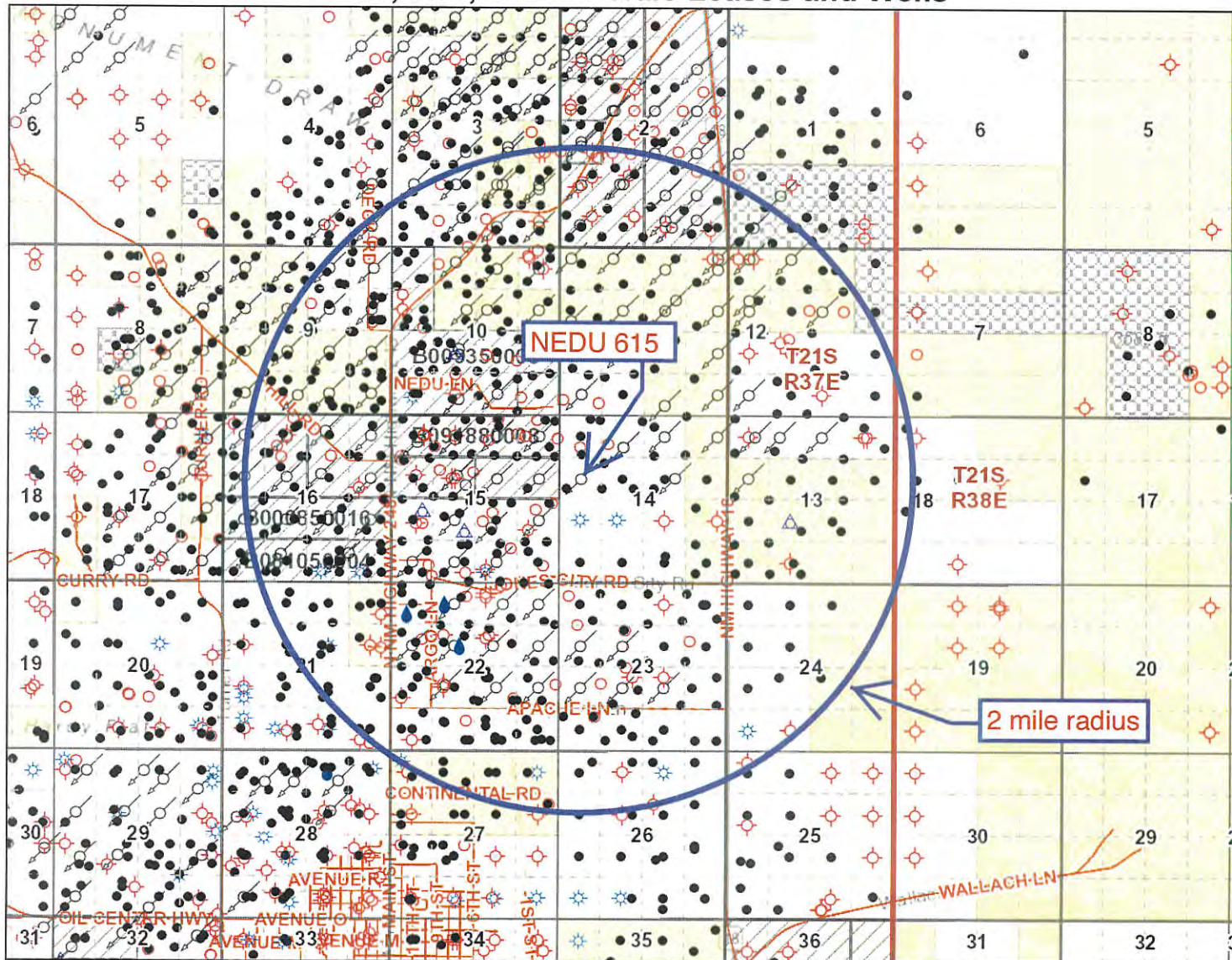


NEDU 615 AREA OF REVIEW LEASES

[illegible]



Oil, Gas, and Minerals Leases and Wells



Legend

- Townships
- Sections
- Subdivisions
- Active Wells**
 - Water Storage
 - Miscellaneous
 - ▲ Salt Water Disposal
 - Injection
 - Carbon Dioxide
 - ★ Gas
 - ★ Oil
- Inactive Wells**
 - Plugged / Dry / Abandoned
 - Cancelled / Not Drilled
- Detailed Roads
- Oil and Gas Leases
- Federal Minerals Ownership**
 - All Minerals
 - Coal Only
 - Oil and Gas Only
 - Oil, Gas and Coal Only
 - Other Minerals

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Created: 11/25/2021



EXHIBIT E



DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 627	1/23/05	6850	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1170	575 sx	GL	Circ 125 sx
30-025-37029					7.875	5.5	6850	1050 sx	200	CBL
E-14-21S-37E										
NEDU 626	10/29/04	6850	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1275	600 sx	GL	Circ 141 sx
30-025-36804					7.875	5.5	6850	1150 sx	137	CBL
F-14-21S-37E										
NEDU 635	2/28/14	6950	Eunice; Bli-Tu-Dr, N	O	11	8.625	1264	430 sx	GL	Circ 63 sx
30-025-41618					7.875	5.5	6953	1250 sx	GL	Circ 217 sx
D-14-21S-37E										
NEDU 621	6/16/00	6820	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1261	460 sx	GL	Circ 81 sx
30-025-34741					7.875	5.5	6820	1425 sx	GL	Circ 116 sx
F-14-21S-37E										

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 619	6/18/98	6810	Eunice; Bli-Tu-Dr, N	O	11	8.625	1330	410 sx	GL	Circ 105 sx
30-025-34410					7.875	5.5	3810	1275 sx	GL	Circ 33 sx
A-15-21S-37E										
NEDU 634	12/22/09	7002	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1312	650 sx	GL	Circ
30-025-39588					7.875	5.5	7002	1150 sx	200	no report
I-15-21S-37E										
NEDU 530	4/24/06	6900	Eunice;Bli-Tu-Dr, N	O	12.25	8.625	1218	500 sx	GL	Circ 107 sx
3002537729					7.875	5.5	6900	1225 sx	186	CBL
K-11-21S-37E										
Eubanks 002	4/18/49	6622	Blinebry Oil and Gas (Oil), Tubb Oil and Gas (Oil), & Drinkard	G	16.75	13.375	242	200 sx	GL	Circ
30-025-06569					9.75	8.625	2791	1200 sx	No report	No report
L-14-21S-37E					7.75	5.5	6567	500 sx	3550	Estimated

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 614	4/8/50	7610	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	170	150 sx	GL	Circ
30-025-06579					11	8.625	2930	800 sx	1350	Temp survey
D-14-21S-37E					7.875	5.5	7610	875 sx	3153	Temp survey
NEDU 617	8/4/52	6613	Eunice; Bli-Tu-Dr, N	O	17	13.375	214	250 sx	GL	Circ 60 sx
30-025-06580					11	8.625	3000	1800 sx	375	Temp survey
F-14-21S-37E					7.875	5.5	6363	800 sx	3000	TOL
NEDU 613	11/20/48	6641	Eunice;Bli-Tu-Dr, N	I	17.5	13.375	210	250 sx	GL	Circ 10 sx
3002509919					11	8.625	2981	1700 sx	GL	Circ 25 sx
H-15-21S-37E					7.875	5.5	6585	900 sx	2500	Estiimated
NEDU 663	2/9/14	6965	Eunice; Bli-Tu-Dr, N	O	11	8.625	1267	440 sx	GL	Circ 102 sx
30-025-41585					7.875	5.5	6965	1250 sx	150	CBL
A-15-21S-37E										

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 616	11/13/52	7743	Eunice; Bli-Tu-Dr, N	I	17.25	13.375	222	250 sx	GL	Circ 50 sx
3002506581					11	8.625	3001	1800 sx	GL	Circ 400 sx
C-14-21S-37E					7.875	5.5	6940	250 sx	4985	Temp Survey
NEDU 632	9/8/51	7567	Wantz; Abo	O	17.5	13.375	241	250 sx	GL	Circ
30-025-06589					11	8.625	2933	1800 sx	GL	Circ 425 sx
H-15-21S-37E					7.875	5.5	7567	840 sx	2690	TOL
NEDU 630	5/11/06	6751	Eunice;Bli-Tu-Dr, N	O	12.25	8.625	1288	500 sx	GL	Circ 70 sx
3002537724					7.875	5.5	6751	900 sx	150	CBL
F-14-21S-37E										
Eubanks 003	11/11/52	7525	Blinebry Oil and Gas (Oil) & Drinkard	G	17.5	13.375	249	200 sx	GL	Circ
3002506571					11	8.625	2857	1600 sx	GL	Circ
K-14-21S-37E					7.75	5.5	6852	600 sx	No report	No report

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 709	11/16/48	6622	Eunice; Bli-Tu-Dr, N	I	17	13.375	306	300 sx	GL	Circ
30-025-06595					11	8.625	2802	1500 sx	GL	Circ
I-15-21S-37E					8	5.5	6596	750 sx	1250	Estimated
NEDU 612	11/22/63	6700	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	342	325 sx	GL	Circ
30-025-20567					12.25	8.625	3007	935 sx	100	Temp survey
A-15-21S-37E					7.875	5.5	6693	1180 sx	GL	Circ
NEDU 565	9/8/13	6945	Eunice; Bli-Tu-Dr, N	O	11	8.625	1285	475 sx	GL	Circ 64 sx
30-025-41168					7.875	5.5	6955	1350 sx	136	CBL
D-14-21S-37E										
NEDU 518	6/1/00	6860	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1269	460 sx	GL	Circ 125 sx
30-025-34740					7.875	5.5	6860	1400 sx	GL	Circ 120 sx
D-14-21S-37E										

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 519	7/2/98	6780	Eunice; Bli-Tu-Dr, N	O	11	8.625	1325	410 sx	GL	Circ 96 sx
30-025-34413					7.875	5.5	6780	1410 sx	GL	Circ 125 sx
A-15-21S-37E										
NEDU 618	9/9/99	6820	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1254	460 sx	GL	Circ 110 sx
30-025-34656					7.875	5.5	6820	1525 sx	GL	Circ 100 sx
B-15-21S-37E										
NEDU 536	2/20/14	6956	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1270	430 sx	GL	Circ 34 bbls 108 sx
30-025-41601					7.875	5.5	6963	1250 sx	60	CBL
A-15-21S-37E										
NEDU 719	10/3/04	6855	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1238	600 sx	GL	Circ 105 sx
30-025-36805					7.875	5.5	6855	1300 sx	95	CBL
P-15-21S-37E										

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615

SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 620	8/27/99	6820	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1240	460 sx	GL	Circ 104 sx
30-025-34650					7.875	5.5	6820	1525 sx	GL	Circ 145 sx
J-15-21S-37E										
EBDU 089	8/23/09	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1345	650 sx	GL	Circ
3002539275					7.875	5.5	6905	1150 sx	GL	Circ
G-14-21S-37E										
L G Warlick C 008	5/15/90	7626	Wantz; Abo	P&A	17.5	13.375	308	300 sx	GL	Circ
30-025-06599					11	8.625	2803	1300 sx	495	Temp survey
I-15-21S-37E					7.875	5.5	7570	800 sx	2785	Temp survey
EBDU 060	5/5/07	6875	Eunice;Bli-Tu-Dr, N	O	12.25	8.625	1312	600 sx	GL	Circ
3002538113					7.875	5.5	6875	1100 sx	40	CBL
B-14-21S-37E										

DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615

SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
EBDU 049	3/14/52	7573	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	205	250 sx	GL	Circ 65 sx
3002506582					11	8.625	3000	2400 sx	GL	Circ
G-14-21S-37E					7.875	5.5	6808	300 sx	No report	No report
NEDU 529	7/7/05	6875	Eunice;Bli-Tu-Dr, N	O	12.25	8.625	1198	575 sx	GL	Circ 128 sx
3002537249					7.875	5.5	6898	1300 sx	150	CBL
C-14-21S-37E										
Eubanks 001	3/5/49	6639	Blincy	O	16.375	13.375	262	200 sx	GL	Circ
3002506570					9.75	8.625	2791	1200 sx	No report	No report
M-14-21S-37E					7.75	5.5	6512	600 sx	No report	No report
NEDU 511	10/26/64	7523	Eunice; Bli-Tu-Dr, N	I	13.75	10.75	269	225 sx	GL	Circ
3002506532					9.875	7.625	3069	2040 sx	GL	Circ
M-11-21S-37E					6.75	5.5	6699	356 sx	3225	Temp Survey

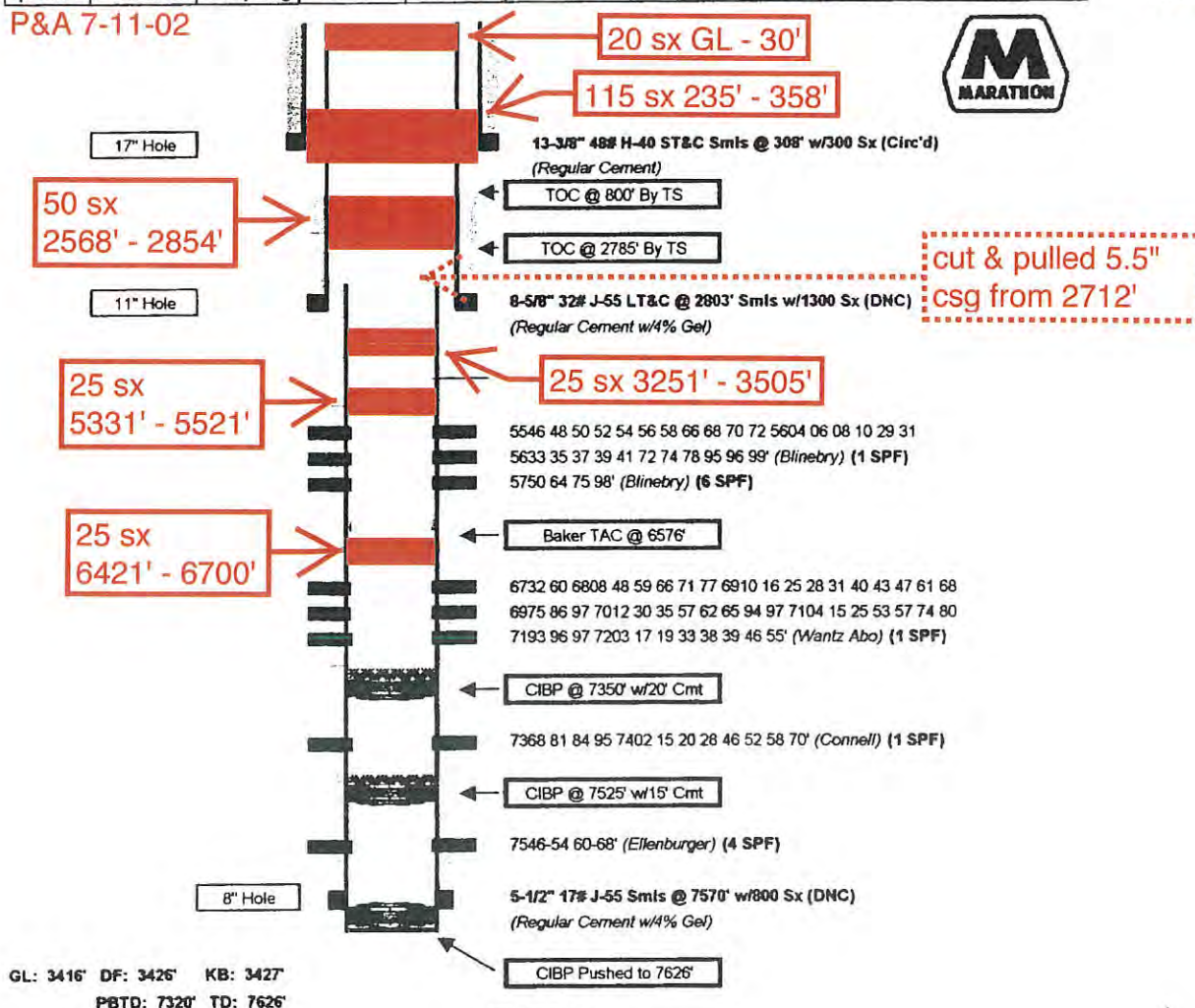
DRINKARD PENETRATORS WITHIN 1/2 MILE OF NEDU 615
SORTED BY DISTANCE FROM NEDU 615

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
NEDU 611	8/30/48	6641	Eunice; Bli-Tu-Dr, N	I	17	13.375	228	250 sx	GL	Circ 20 sx
30-025-09912					11	8.625	2897	1500 sx	GL	Circ 300 sx
G-15-21S-37E					7.875	5.5	6546	1200 sx	GL	Circ

Well Name & No.		L.G. WARLICK 'C' NO 8		Field	DRINKARD		Date	J9/18/01
County	LEA	API	3002506599	State	NEW MEXICO	By	TIM L. CHASE	
Spudded	4/20/1951	Comp Drig	6/6/1951	Location	1650' FSL & 990' FEL, Section 15, Township 21S, Range 37E, UL 'I'			

EXHIBIT F

P&A 7-11-02



Well History

Jun '51 Perfd Ellenburger (4 SPF) @ 7546-54 60-68' (Ellenburger open hole @ 7570-7626' Turned to prod flwg 629 BOPD.

Aug '60 Set CIBP @ 7500' w/8' cmt cap Perfd Blinebry (6 SPF) @ 5750 64 75 98'. Acidz same w/1000 gal Spearhead acid. Frac'd same w/30,000 gal lease oil w/44,000# sand. Ret to prod flwg 198 BOPD.

Jul '67 Well shut-in due to low productivity

Sep '74 Dug out cellar. Installed 1" piping from 13-3/8" & 8-5/8" bradenhead valves. Checked for leaks (none). Ret to prod.

Apr '82 Perfd Blinebry (1 SPF) @ 5546 48 50 52 54 56 58 66 68 70 72 5604 06 08 10 29 31 33 35 37 39 41 72 74 78 95 96 99'. Acid-Frac'd all Blinebry perms 5546-5798' w/15,000 gal KCL water w/12,000# 100 mesh sand & 18,000 gal 28% Hcl. Ret to prod pumping about 20 BOPD from Blinebry.

Aug '89 Sqdz Blinebry perms 5546-5798' w/350 sx. DOC. Pushed CIBP @ 7500 to 7626. Set CIBP @ 7525' w/15' cmt cap. Perfd Connell (aka Simpson) (2 SPF) @ 7368 81 84 95 7402 15 20 28 46 52 58 70'. Acidz same w/3000 gal 15% NeFe. Swabbed dry. Set CIBP @ 7350' w/20' cmt cap to 7320'. Shut-in well.

May '90 Re-sqdz Blinebry 5546-5798' w/59 sx Matrix cmt. Perfd Wantz Abo (1 SPF) @ 6848 59 66 71 77 6910 16 25 28 31 40 47 68 86 97 7035 62 94 7104 25 53 74 80 93 7219'. Acidz same w/450 gal 15% NeFe. Swabbed. Perfd additional Wantz Abo (1 SPF) @ 6943 61 75 7012 30 37 65 97 7115 57 97 7203 17 33 38 46 55'. Acidz same w/2100 gal 20% NeFe. Acid-Frac'd same w/ 4050 gal 20% Hcl w/31,500 gal SXE. Swabbed. Ret to prod ppg 304 BOPD + 125 BWPD + 384 MCFPD from Wantz Abo perms 6848-7255'.

Dec '92 Perfd Wantz Abo (1 SPF) @ 6732 60 6808 7196 7239 46'. Acidz same w/3000 gal 15% NeFe. Frac'd same w/58,800 gal X-L 2% KCL water w/85,000# 20-40 Ottawa sand (screened out) C/O to 7320' w/coiled tbg. Ret to prod ppg 0 BOPD + 17 BWPD from Wantz Abo perms 6732-7255'.

Feb '93 Shut well in. Tubulars were not pulled.

EXHIBIT G



from WFX-784

South Permian Basin Region

10520 West I-20 East

Odessa, TX 79765

(915) 498-9191

Lab Team Leader - Sheila Hernandez

(915) 495-7240

Water Analysis Report by Baker Petrolite

Company:	APACHE CORPORATION	Sales RDT:	33102
Region:	PERMIAN BASIN	Account Manager:	MIKE EDWARDS (505) 910-9517
Area:	EUNICE, NM	Sample #:	223099
Lease/Platform:	NORTHEAST DRINKARD UNIT	Analysis ID #:	28971
Entity (or well #):	WATER INJECTION STATION	Analysis Cost	\$40.00
Formation:	UNKNOWN		
Sample Point:	INJECTION PUMP DISCHARGE		

Summary		Analysis of Sample 223099 @ 75 °F					
		Anions	mg/l	meq/l	Cations	mg/l	meq/l
Sampling Date:	10/3/02	Chloride:	10086.0	284.49	Sodium:	5799.5	252.26
Analysis Date:	10/4/02	Bicarbonate:	671.0	11.	Magnesium:	439.0	36.11
Analyst:	SHEILA HERNANDEZ	Carbonate:	0.0	0.	Calcium:	1099.0	54.84
TDS (mg/l or g/m3):	20702.9	Sulfate:	2485.0	51.32	Strontium:	28.0	0.84
Density (g/cm3, tonne/m3):	1.015	Phosphate:			Barium:	0.1	0.
Anion/Cation Ratio:	1.000000	Borate:			Iron:	0.3	0.01
		Silicate:			Potassium:	115.0	2.94
Carbon Dioxide:	60 PPM	Hydrogen Sulfide:		90 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		7.5	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		7.5	Lead:		
					Manganese:		
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.18	75.54	-0.08	0.00	-0.14	0.00	0.07	2.75	0.75	0.00	0.21
100	0	1.25	85.15	-0.09	0.00	-0.09	0.00	0.07	3.09	0.60	0.00	0.3
120	0	1.33	95.11	-0.10	0.00	-0.02	0.00	0.09	3.78	0.47	0.00	0.42
140	0	1.41	105.41	-0.10	0.00	0.08	128.07	0.11	4.46	0.36	0.00	0.56

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

UNICHEM

A Division of BJ Services Company

Lab Test No. 23748

Apache

Sample Date: 3/10/99

Water Analysis

Listed below please find water analysis report from: NEDU

#919-S

Specific Gravity: 1.009
 Total Dissolved Solids: 13273
 pH: 6.49
 Conductivity (umhos):
 Ionic Strength: 0.265

WFX-774 application indicates
 this is San Andres source water

Cations: mg/l

Calcium (Ca++): 608
 Magnesium (Mg++): 244
 Sodium (Na+): 3909
 Iron (Fe++): 0.00
 Dissolved Iron (Fe++):
 Barium (Ba++): 0.38
 Strontium (Sr): 19
 Manganese (Mn++): 0.01
 Resistivity:

Anions:

Bicarbonate (HCO3-): 562
 Carbonate (CO3--):
 Hydroxide (OH-): 0
 Sulfate (SO4--): 1750
 Chloride (Cl-): 6200

Gases:

Carbon Dioxide (CO2): 80.00 ppm
 Hydrogen Sulfide (H2S): 408.00 ppm
 Oxygen (O2):

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature	CaCO3 SI	CaSO4 SI
86F 30.0C	-0.14	-17.28
104F 40.0C	0.09	-17.28
122F 50.0C	0.35	-17.28
140F 60.0C	0.57	-16.80
168F 70.0C	0.87	-15.02
176F 80.0C	1.20	-15.51

Comments:

cc: Jerry White
 Jay Brown

P.O. Box 61427 • Midland, TX 79711 • 4312 S. County Rd. 1298, Midland, TX 79765
 Office: (915) 563-0241 • Fax: (915) 563-0243

010/2002 00240

UNICHEM LAB

MAR 25 1999 15:26 915 563 0243

APR-05-1999 15:15

3942740

96%

P.02



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

EXHIBIT H

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP01794 POD6		CP	LE	3	3	1	14	21S	37E	674624	3595194	144	104		
CP01794 POD1		CP	LE	3	3	1	14	21S	37E	674646	3595143	151	34	18	16
CP01794 POD4		CP	LE	3	3	1	14	21S	37E	674662	3595126	152	28	19	9
CP01794 POD3		CP	LE	3	3	1	14	21S	37E	674623	3595163	158	34		
CP01794 POD5		CP	LE	3	3	1	14	21S	37E	674606	3595176	168	30	22	8
CP01794 POD2		CP	LE	3	3	1	14	21S	37E	674594	3595204	169	198		
CP01185 POD1		CP	LE		1	3	14	21S	37E	674598	3594689	576	70		
CP01185 POD2		CP	LE		1	3	14	21S	37E	674623	3594674	584	70		
CP01110 POD1		CP	LE		1	3	14	21S	37E	674586	3594648	619	70		
CP01110 POD2		CP	LE		1	3	14	21S	37E	674586	3594648	619	70		
CP01110 POD3		CP	LE		1	3	14	21S	37E	674586	3594648	619	70		
CP01110 POD4		CP	LE		1	3	14	21S	37E	674586	3594648	619	20		
CP01110 POD5		CP	LE		1	3	14	21S	37E	674586	3594648	619	20		
CP01185 POD4		CP	LE		1	3	14	21S	37E	674633	3594610	645	70		
CP01185 POD3		CP	LE		1	3	14	21S	37E	674592	3594620	645	70		
CP01574 POD2		CP	LE	1	3	3	14	21S	37E	674666	3594578	671	68	57	11
CP01574 POD1		CP	LE	2	4	4	15	21S	37E	674559	3594598	675	68	57	11
CP00235 POD3		CP	LE	1	1	1	23	21S	37E	674681	3594137*	1108	90	61	29
CP00235 POD6		CP	LE	2	1	1	23	21S	37E	674881	3594137*	1112	85	65	20
CP00235 POD2		CP	LE	1	2	1	23	21S	37E	675083	3594144*	1145	96	65	31
CP00235 POD1		CP	LE	2	2	1	23	21S	37E	675283	3594144*	1217	81		
CP00235 POD7		CP	LE	3	1	1	23	21S	37E	674681	3593937*	1308	85	65	20
CP00239 POD1		CP	LE	1	1	2	23	21S	37E	675485	3594152*	1309	89	61	28
CP00240 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	1400			
CP00241 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	1400	79		
CP00235 POD8		CP	LE	3	1	2	23	21S	37E	675485	3593952*	1480	94	58	36
CP00236 POD1		CP	LE	3	1	2	23	21S	37E	675485	3593952*	1480	83		
CP00235 POD4		CP	LE	1	3	1	23	21S	37E	674688	3593735*	1509	100	80	20

CP00235 POD5	CP	LE	1	4	1	23	21S	37E	675090	3593742*		1536	90	70	20
CP01575 POD2	CP	LE	2	2	1	22	21S	37E	673615	3594181		1561	35	35	0
CP00562	CP	LE	1	2	2	23	21S	37E	675887	3594159*		1563	136	65	71
CP01141 POD4	CP	LE				15	21S	37E	673556	3594239		1567	45		
CP01141 POD2	CP	LE				15	21S	37E	673543	3594250		1570	40		
CP01141 POD3	CP	LE				15	21S	37E	673520	3594272		1574	40		
CP00729 POD1	CP	LE	4	1	3	15	21S	37E	673259	3594711*		1592	8015		
CP01575 POD1	CP	LE	1	2	1	22	21S	37E	673544	3594204		1598	40	35	5
CP00235 POD10	CP	LE	1	3	2	23	21S	37E	675492	3593749*		1663	92	60	32
CP00235 POD11	CP	LE	1	3	2	23	21S	37E	675492	3593749*		1663	97	60	37
CP00237 POD1	CP	LE	1	3	2	23	21S	37E	675492	3593749*		1663	84		
CP00731 POD1	CP	LE		2	1	22	21S	37E	673577	3594015*		1705	8130		
CP00235 POD9	CP	LE	3	4	1	23	21S	37E	675090	3593542*		1732	94	58	36
CP00700	CP	LE		2		23	21S	37E	675794	3593851*		1734	75	65	10
CP00238 POD1	CP	LE	3	3	2	23	21S	37E	675492	3593549*		1845	81		
CP00134 POD1	CP	LE	1	1	1	24	21S	37E	676289	3594166*		1870	85		
CP00732 POD1	CP	LE		4	1	22	21S	37E	673584	3593613*		2009	6633		
CP00554	CP	LE		2	2	16	21S	37E	672744	3595610*		2049	80	70	10
CP00252 POD1	CP	LE	4	2	4	22	21S	37E	674493	3593125*		2134	106	78	28
CP00137 POD1	CP	LE	2	2	1	13	21S	37E	676862	3595783*		2170	65		
CP00286 POD1	CP	LE	2	1	2	10	21S	37E	674019	3597338*		2222	70		
CP00251 POD1	CP	LE	2	3	4	22	21S	37E	674099	3592915*		2420	103		
CP00881	CP	LE		4	4	22	21S	37E	674402	3592824*		2445	95	53	42
CP01741 POD1	CP	LE	1	3	4	03	21S	37E	673895	3597759		2660	45		
CP01222 POD3	CP	LE	2	4	4	23	21S	37E	676036	3592871		2693	60	48	12
CP00017 POD1	CP	LE	2	1	2	27	21S	37E	674106	3592513*		2807	101		
CP00733 POD1	CP	LE		3	3	22	21S	37E	673196	3592801*		2899	7864		
CP01636 POD3	CP	LE	2	2	1	27	21S	37E	673782	3592501		2910	96		
CP00285 POD1	CP	LE	3	1	2	27	21S	37E	673906	3592313*		3051	80		
CP00249 POD1	CP	LE	2	3	2	27	21S	37E	674113	3592111*		3198	102		
CP00250 POD1	CP	LE	2	3	2	27	21S	37E	674113	3592111*		3198	101		

Average Depth to Water: **55 feet**
Minimum Depth: **18 feet**
Maximum Depth: **80 feet**

Record Count: 59

UTMNAD83 Radius Search (in meters):

Easting (X): 674760

Northing (Y): 3595243

Radius: 3220

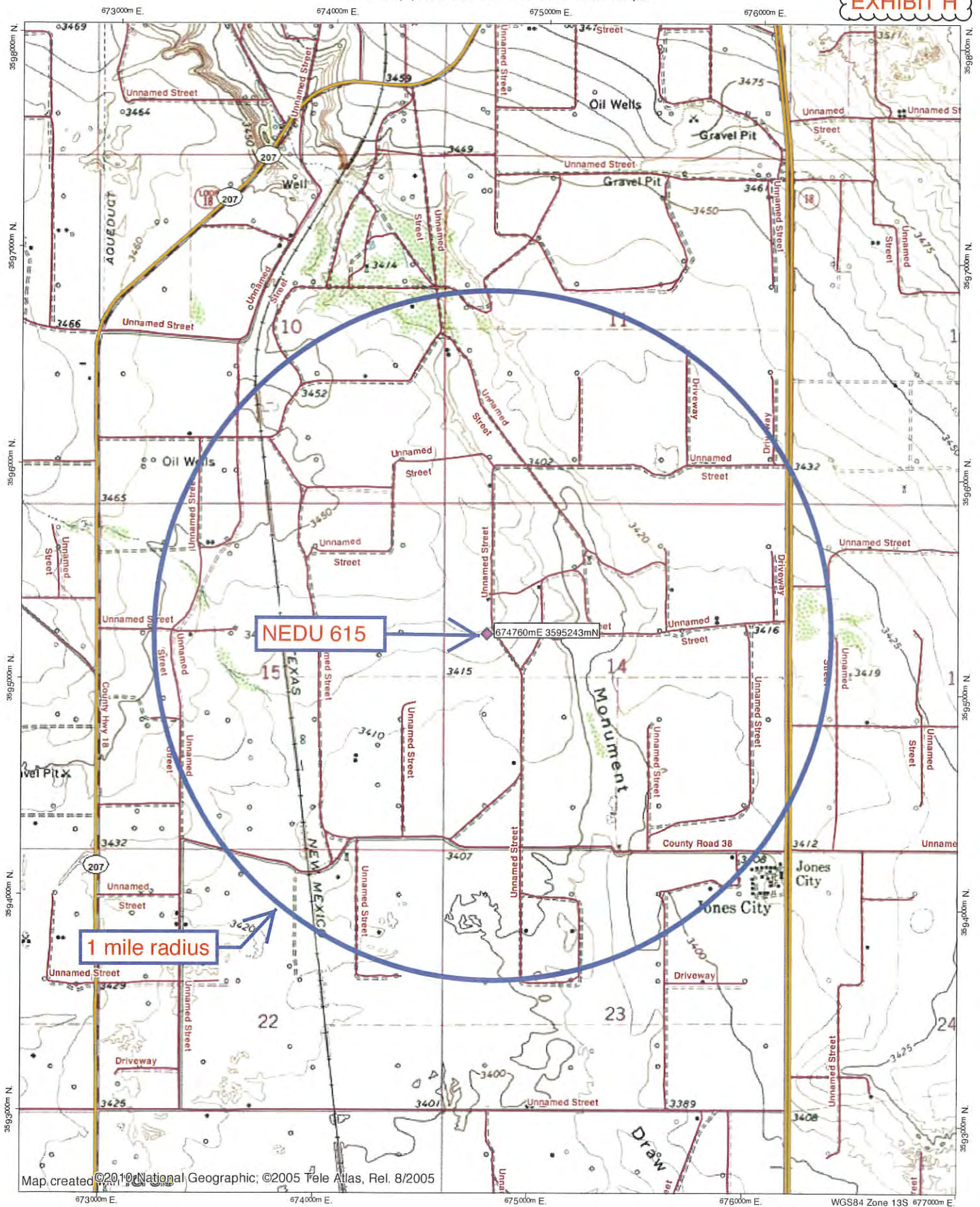


*UTM location was derived from PLSS - see Help

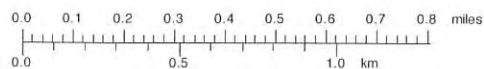
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/25/21 3:19 PM

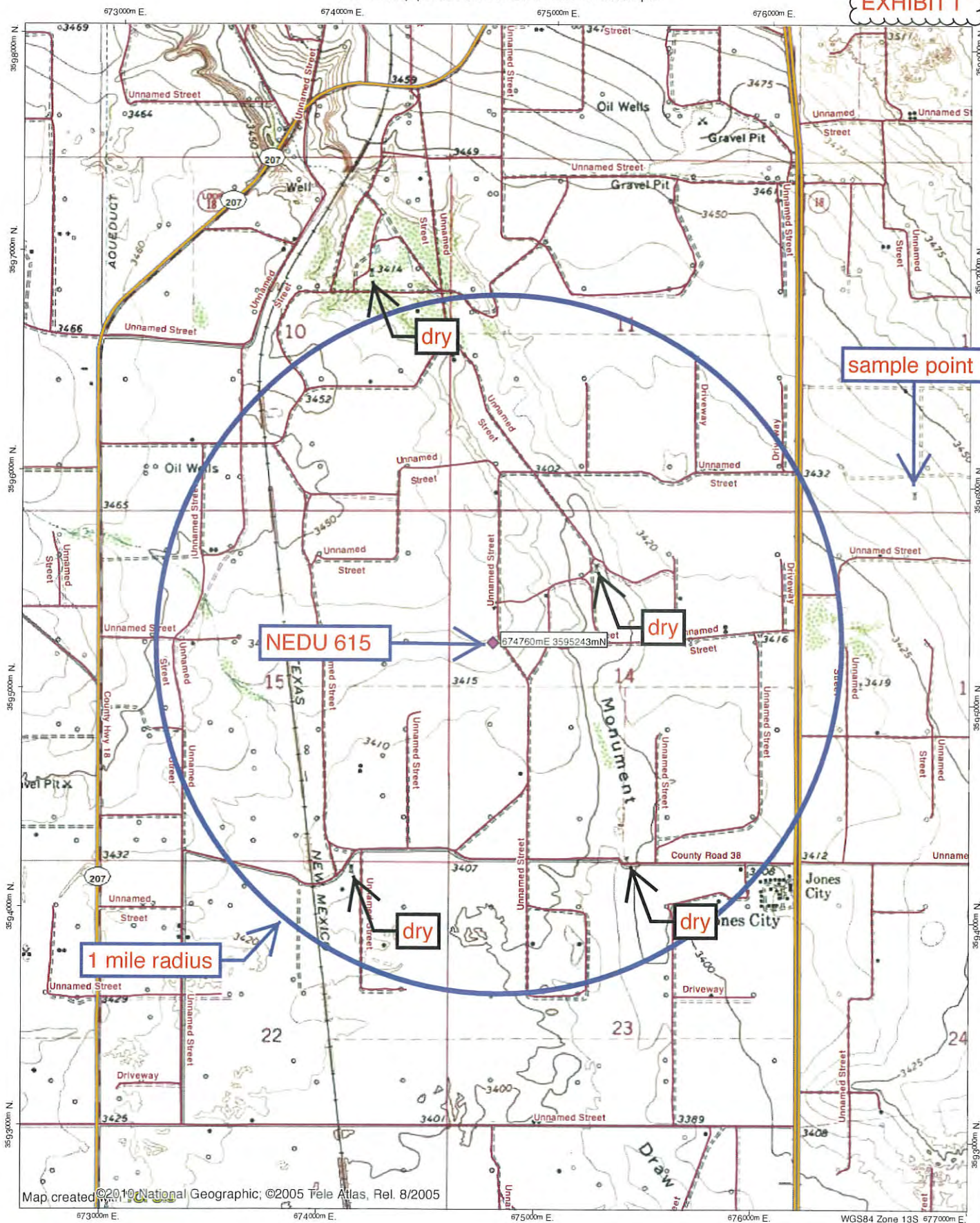
WATER COLUMN/ AVERAGE DEPTH TO
WATER



Map created by National Geographic; ©2005 Tele Atlas, Rel. 8/2005







Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** Sec. 12**Project:** NEDV**Collection Date:** 10/14/2021 12:25:00 PM**Lab ID:** 2110749-001**Matrix:** AQUEOUS**Received Date:** 10/15/2021 11:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B							Analyst: dms
N-Hexane Extractable Material	ND	9.77		mg/L	1	10/19/2021 3:05:00 PM	63347
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	800	50	*	mg/L	100	10/15/2021 4:12:00 PM	R82122
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	2190	40.0	*D	mg/L	1	10/25/2021 10:31:00 AM	63460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 2110749

28-Oct-21

Client: Permits West

Project: NEDV

Sample ID: MB-63347	SampType: MBLK	TestCode: EPA Method 1664B
Client ID: PBW	Batch ID: 63347	RunNo: 82169
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911233 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
N-Hexane Extractable Material	ND	10.0

Sample ID: LCS-63347	SampType: LCS	TestCode: EPA Method 1664B
Client ID: LCSW	Batch ID: 63347	RunNo: 82169
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911235 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
N-Hexane Extractable Material	38.0	10.0 40.00 0 95.0 78 114

Sample ID: LCSD-63347-2	SampType: LCSD	TestCode: EPA Method 1664B
Client ID: LCSS02	Batch ID: 63347	RunNo: 82169
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911243 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
N-Hexane Extractable Material	38.2	10.0 40.00 0 95.5 78 114 0.525 20

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 2110749

28-Oct-21

Client: Permits West

Project: NEDV

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: R82122	RunNo: 82122
Prep Date:	Analysis Date: 10/15/2021	SeqNo: 2909242 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	0.50

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSW	Batch ID: R82122	RunNo: 82122
Prep Date:	Analysis Date: 10/15/2021	SeqNo: 2909243 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	4.9	0.50 5.000 0 97.5 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 2110749

28-Oct-21

Client: Permits West

Project: NEDV

Sample ID: MB-63460	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids
Client ID: PBW	Batch ID: 63460	RunNo: 82301
Prep Date: 10/21/2021	Analysis Date: 10/25/2021	SeqNo: 2918092 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Total Dissolved Solids	ND	20.0

Sample ID: LCS-63460	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids
Client ID: LCSW	Batch ID: 63460	RunNo: 82301
Prep Date: 10/21/2021	Analysis Date: 10/25/2021	SeqNo: 2918093 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Total Dissolved Solids	1030	20.0 1000 0 103 80 120

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



empty meter box

Water well in SENE Section 10.

EXHIBIT I

EXHIBIT I

← missing vanes

← no rod

Windmill in NENW Section 14.



A photograph of a rural landscape under a clear blue sky. In the foreground, a small, dark, cylindrical metal cap sits on a patch of sandy ground with sparse vegetation. To the left, a larger, rusted metal structure, possibly a well casing or a small shed, is partially buried in tall, dry grass. The background features a line of green trees and shrubs, with a distant oil pumpjack visible on the horizon.

Capped well in SWSE Section 14.

EXHIBIT I



Disconnected well in NWNE Section 15.

EXHIBIT I

Affidavit of Publication

EXHIBIT K

STATE OF NEW MEXICO
COUNTY OF LEA

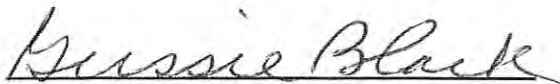
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
November 26, 2021
and ending with the issue dated
November 26, 2021.



Publisher

Sworn and subscribed to before me this
26th day of November 2021.



Business Manager

My commission expires

January 29, 2023

(Seal)

OFFICIAL SEAL

GUSSIE BLACK

Notary Public

State of New Mexico

My Commission Expires

1-29-23

LEGAL NOTICE

November 26, 2021

Apache Corporation is applying to deepen the Northeast Drinkard Unit 615 water injection well from 6643' to 6775'. The well is at 1980 FNL & 660 FWL, Sec. 14, T. 21 S., R. 37 E., Lea County, NM. This is 3 miles NNE of Eunice, NM. Water will be injected at a maximum pressure of 1,296 psi into the Drinkard formation from 6,480' to 6,665'. Maximum injection rate will be 1,000 bwpd. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 or ocd.engineer@state.nm.us within 15 days. NMOCD Engineering Bureau phone is 505 476-3441. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120. #37075

02108485

00261031

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

BRIAN WOOD
PERMITS WEST
37 VERANO LOOP
SANTA FE, NM 87508

December 6, 2021

James Allan Bryant
8204 Indigo Court NE
Albuquerque NM 87112

TYPICAL NOTICE

Apache Corporation is planning (see attached application) to deepen its Northeast Drinkard Unit 615 water injection well by 32'. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposal. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Northeast Drinkard Unit 615 (fee lease) proposed TD: 6675'

Proposed Injection Zone: Drinkard from 6480' to 6665'

Where: 660' FNL & 1980' FWL Sec. 14, T. 21 S., R. 37 E., Lea County, NM

Approximate Location: 3 air miles north-northeast of Eunice, NM

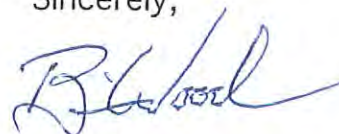
Applicant Name: Apache Corporation (432) 818-1167

Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a water injection well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD Engineering Bureau address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Phone number is (505) 476-3441. E-mail address is: ocd.engineer@state.nm.us

Please call me if you have any questions.

Sincerely,



Brian Wood

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