Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
4/02/2018	MAM	WFX	pMAM1809325217

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: East Blinebry Drinkard Unit 50 **API:** 30-025-06583
Pool: Eunice; BLI-TU-DR, North **Pool Code:** 22900

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

WFX -981

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

APR 02 2018 PM01:22

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

B Wood
Signature

4-1-18
Date

505-466-8120
Phone Number

brianw@permitswest.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: 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-12981

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.

EAST BLINEBRY DRINKARD UNIT 50
30-025-06583

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: MAR. 19, 2018

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: _____

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

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.

Side 1

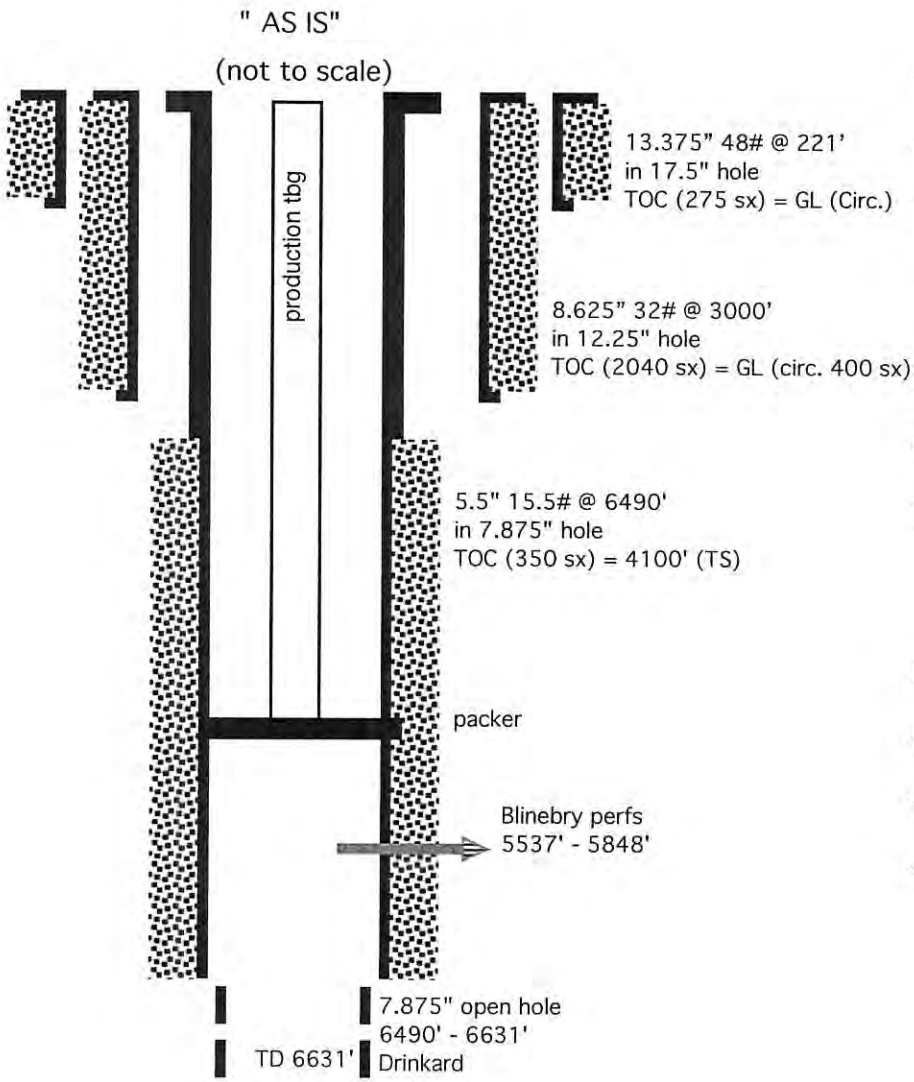
INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: EAST BLINEBRY DRINKARD UNIT 50

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

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 275 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRCULATED

Intermediate Casing

Hole Size: 12.25" Casing Size: 8.625"

Cemented with: 2040 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC. 400 SX

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 350 sx. *or* _____ ft³

Top of Cement: 4100' Method Determined: TEMP. SURV.

Total Depth: 6631' (7.875" @ 6490'; OH 6490' - TD)

Injection Interval

5578 feet to 6024'

(Perforated or Open Hole; indicate which)

Side 1

INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATION

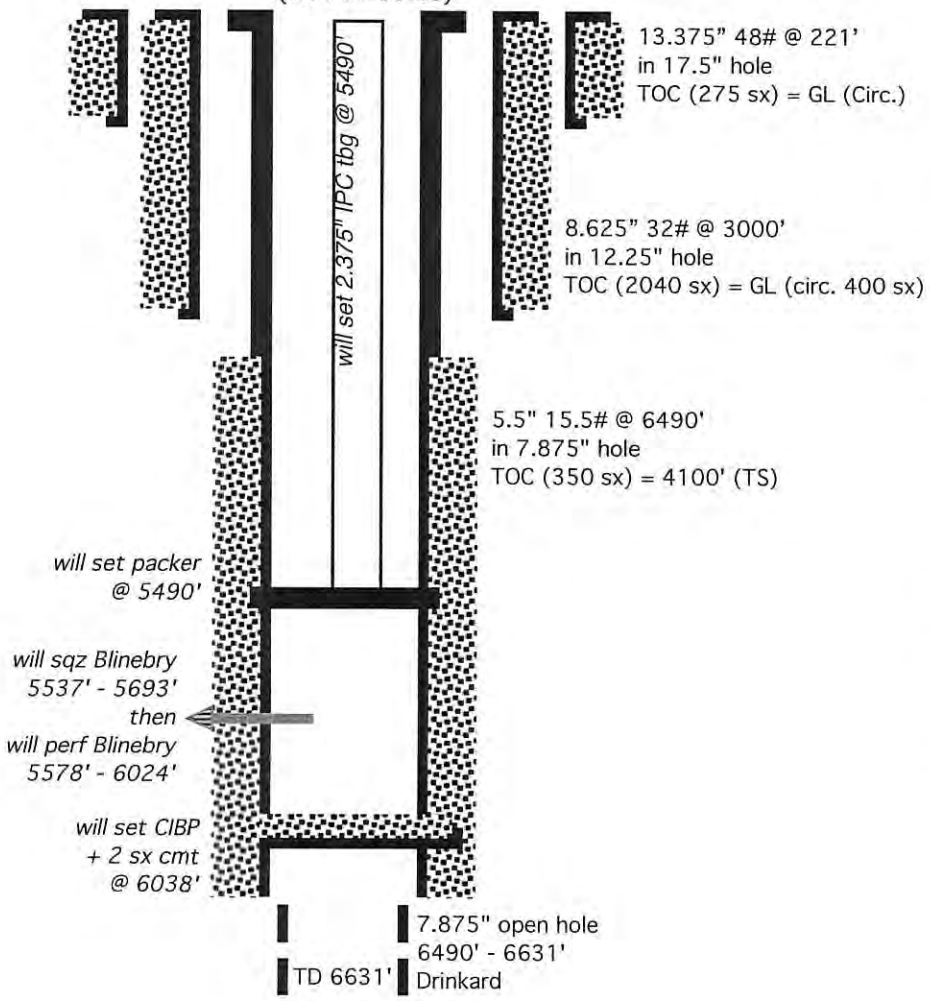
WELL NAME & NUMBER: EAST BLINEBRY DRINKARD UNIT 50

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

WELLBORE SCHEMATIC

"PROPOSED"

(not to scale)



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Hole Size: 17.5" Casing Size: 13.375"

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Total Depth: 6631' (7.875" @ 6490'; OH 6490' - TD)

Injection Interval

5578 feet to 6024'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT

Type of Packer: LOCK SET INJECTION

Packer Setting Depth: ≈5490'

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: BLINEBRY

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 (5537' - 5848') & DRINKARD OPEN HOLE (6490' - 6631')

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVER: SEVEN RIVERS (2850'), QUEEN (3505'), GRAYBURG (3745'), SAN ANDRES (3995')

   UNDER: TUBB (6025'), DRINKARD (6489'), ABO (6725')

I. Goal is to convert a 6631' deep oil well to a water injection well to increase oil recovery. The well will inject (5578' - 6024') into the Blinebry, which is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900).

Well and zone are in the East Blinebry Drinkard Unit (Case Numbers 13503 and 13504, Order Numbers R-12394 and R-12395) that was formed in 2005 by Apache. Eight subsequent WFX approvals (WFX-819, -842, -904, -909, -963, -969, -977, and -978) have been issued to date. This is an active water flood. Twenty-four water injectors are in the Unit. Injection increase to 2100 psi was authorized (IPI-292) in 2008.

II. Operator: Apache Corporation (OGRID #873)
Operator phone number: (432) 818-1167
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 (Smith)
Lease Size: 80 acres (see Exhibit A for maps and C-102)
Closest Lease Line: 660'
Lease Area: W2NE4 Section 14, T. 21 S., R. 37 E. et al
Unit Size: 2080 acres BLM Unit #: NMNM-112723X
Closest Unit Line: 660'
Unit Area: T. 21 S., R. 37 E.
Section 1: Lots 11-15, W2SE4, & SW4
Section 11: E2 & NW4
Sections 12: W2 & W2E2
Section 13: W2, W2NW4, & NWSE
Section 14: NE4 & E2SE4

A. (2) Surface casing (13.375", 48#, H-40) is set at 221' in a 17.5" hole and cemented to GL (circulated) with 275 sacks.

Intermediate casing (8.625", 32#, H-40) is set at 3000' in a 12.25" hole and cemented to GL (400 sacks circulated) with 2040 sacks.

Production casing (5.5", 15.5#, J-55) is set at 6490' in a 7.875" hole and cemented to 4100' (temperature survey) with 350 sacks.

Well is completed open hole (7.875") from 6490' to 6631'.

CIBP will be set at ≈6038' and topped with 2 sacks cement. Mechanical integrity of the casing will be hydraulically pressure tested to 500 psi for 30 minutes.

A. (3) Tubing will be 2-3/8" J-55 (4.7# IPC or 5.3# fiber lined). Setting depth will be ≈5490'. (Disposal interval will be 5578' - 6024'.)

A. (4) A lock set injection packer will be set at ≈5490' (≈88' above the highest proposed perforation of 5578').

B. (1) Injection zone will be the Blinebry carbonate. It is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool. Fracture gradient is ≈0.56 psi/ft.

B. (2) Injection interval will be from 5578' to 6024' in a cased hole. Well has been perforated in the Blinebry (5537' - 5794'). Drinkard is open hole (6490' - 6631').

B. (3) Well was drilled in 1953 and completed in 1954 as a Drinkard oil well. Blinebry was added in 1957.

B. (4) Well is currently perforated in Blinebry (5537' - 5848'). Drinkard is open hole (6490' - 6631'). Drinkard will be isolated and well will be perforated in Blinebry from 5578' to 6024' with 2 shots per foot. Shot diameter = 0.40". Perforation and isolation history follows on the next page.

DEPTH	*ZONE*	*ACTION*
5490'	*Glorieta*	*will set injection packer*
5537' - 5848'	Blinebry	perforated in 1986
5537' – 5693'	*Blinebry*	*will squeeze w/ Class C*
5578' – 6024'	*Blinebry*	*will perforate*
5748' - 5794'	Blinebry	perforated in 1957
6038'	*Tubb*	*will set CIBP + 2 sx cmt*
6475'	Drinkard	set production packer in 1963
6490' - 6631'	Drinkard	completed open hole in 1954

B. (5) Next higher potential oil or gas zone in the area of review is the Grayburg. Its bottom is at ≈3995'. Injection will occur in the Blinebry. Highest perforation will be 5578'.

Next lower oil or gas zone in the area of review is the Tubb, part of the same Eunice; Blinebry-Tubb-Drinkard, North Pool and same Unit. Tubb top is at 6025'. Deepest perforation will be 6024'.

IV. This is not a horizontal or vertical expansion of an existing injection project. Case files 13503 and 13504 describe the water flood.

V. Exhibit B shows and tabulates all 30 existing wells (25 oil wells + 4 injectors + 1 P&A) within a half-mile radius, regardless of depth. Exhibit C shows all 626 existing wells (429 oil or gas wells + 96 injection or disposal wells + 63 P&A wells + 37 water supply wells + 1 brine well) within a two-mile radius.

Exhibit D shows all leases (BLM, fee) within a half-mile radius. Exhibit E shows all lessors (BLM, fee, and state) within a two-mile radius. Leases within a half-mile are on the next page.

Aliquot Parts in Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Blinebry, Tubb, or Drinkard Operator
SE4 Sec. 11	BLM	NMNM-125057	Apache, BP, Chevron	Apache
NESW & S2SW4 Sec. 11	fee	Nolan	Apache	Apache
SWSW Sec. 12	fee	Chesher	Apache	Apache
NWNW Sec. 13	fee	Gulf Bunin	Apache	Apache
SWNW Sec. 13	BLM	NMNM-125057	Apache, BP, Chevron	Apache
E2NE4 & NESE Sec. 14	BLM	NMNM-125057	Apache, BP, Chevron	Apache
W2NE4 Sec. 14	fee	Smith	Apache	Apache
E2NW4 Sec. 14	fee	Andrews	Apache	Apache
W2NW4 Sec. 14	fee	Owen	Apache	Apache
NESW Sec. 14	fee	Eubank	J R Cone	J R Cone
NWSE Sec. 14	fee	Naomi Keenum	Chevron	Chevron

VI. Thirty existing wells are within a half-mile. All 30 wells penetrated the Blinebry. The penetrators include 25 oil wells, 4 injectors, and 1 P&A well. A table abstracting the construction details and histories of the penetrators is in Exhibit F. Exhibit G is a diagram of the P&A well.

VII. 1. Average injection rate will be ≈400 bwpd.
Maximum injection rate will be 500 bwpd.

2. System is closed. Well will be tied into the existing unit pipeline system.

3. Average injection pressure will be ≈2000 psi. Maximum injection pressure will be 2100 psi (IPI-292).

4. Water source will be water pumped from existing San Andres water supply wells. A comparison of nearby analyses and San Andres follows. No compatibility problems have reported from the 17,047,373 barrels that have been injected in the Unit to date.

	NEDU Injection Pump Discharge	San Andres 919-S
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/	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. The Unit has 91 oil wells. 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 1° to 2°. The injection interval is Leonardian in age, 446' thick, and consists of tan to dark gray shallow marine carbonates, many of which have been dolomitized. Core filling and replacement anhydrite is common in the limestone. Nodular anhydrite is common in the dolomite. Five per cent porosity cut off is used to determine pay zones. Impermeable shale and carbonates vertically confine the interval.

There are 105 Blinebry injection wells in New Mexico. The East Blinebry Drinkard Unit shares its west border with Apache's Northeast Drinkard Unit. Three

other similar water floods (West Blinebry Drinkard Unit, Northeast Drinkard Unit, and Warren Blinebry Unit) are within a mile of the East Blinebry Drinkard Unit. The slightly more distant (2 miles) Central Drinkard Unit has been water flooded since the 1960s.

Formation depths are:

Quaternary = 0'
Rustler = 1315'
Tansill = 2410'
Seven Rivers = 2850'
Queen = 3505'
Grayburg = 3745'
San Andres = 3995'
Glorieta = 5200'
Blinebry = 5578'
injection interval = 5578' - 6024'
Blinebry marker = 5662'
Tubb = 6025'
Drinkard = 6489'
TD = 6631'

According to Office of the State Engineer records (Exhibit H), twelve fresh water wells are within a mile radius. Deepest of the 19 wells is 136'. Two water wells within 3900' were sampled (Exhibit H).

The same records show the deepest water well within 2 miles is 8130'. Three water wells within a 2-mile radius penetrated the Blinebry. All three are oil wells that were plugged back and converted to San Andres water supply wells for Apache water floods. Two are active and one is P&A (30-025-06606). Otherwise, deepest water well within 2-miles is 136'. The three deep water wells and their OSE and NMOCD identifying numbers are:

CP 00729 POD1 = 30-025-06606
CP 00731 POD 1 = 30-025-06742
CP 00732 POD1 = 30-025-06737

There will be >4,000' of vertical separation and hundreds of feet of salt and anhydrite between the bottom of the only likely underground fresh water source

(Quaternary redbeds) and the top of the injection interval. Well is 1.5 miles south of the Ogallala aquifer (Exhibit H).

There are 214 active or new injection wells and 8 active disposal wells in the Blinebry-Tubb-Drinkard, San Andres, Grayburg, Queen, Seven Rivers, or Yates in T. 21 S., R. 37 E.

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

X. No logs are on file with NMOCD.

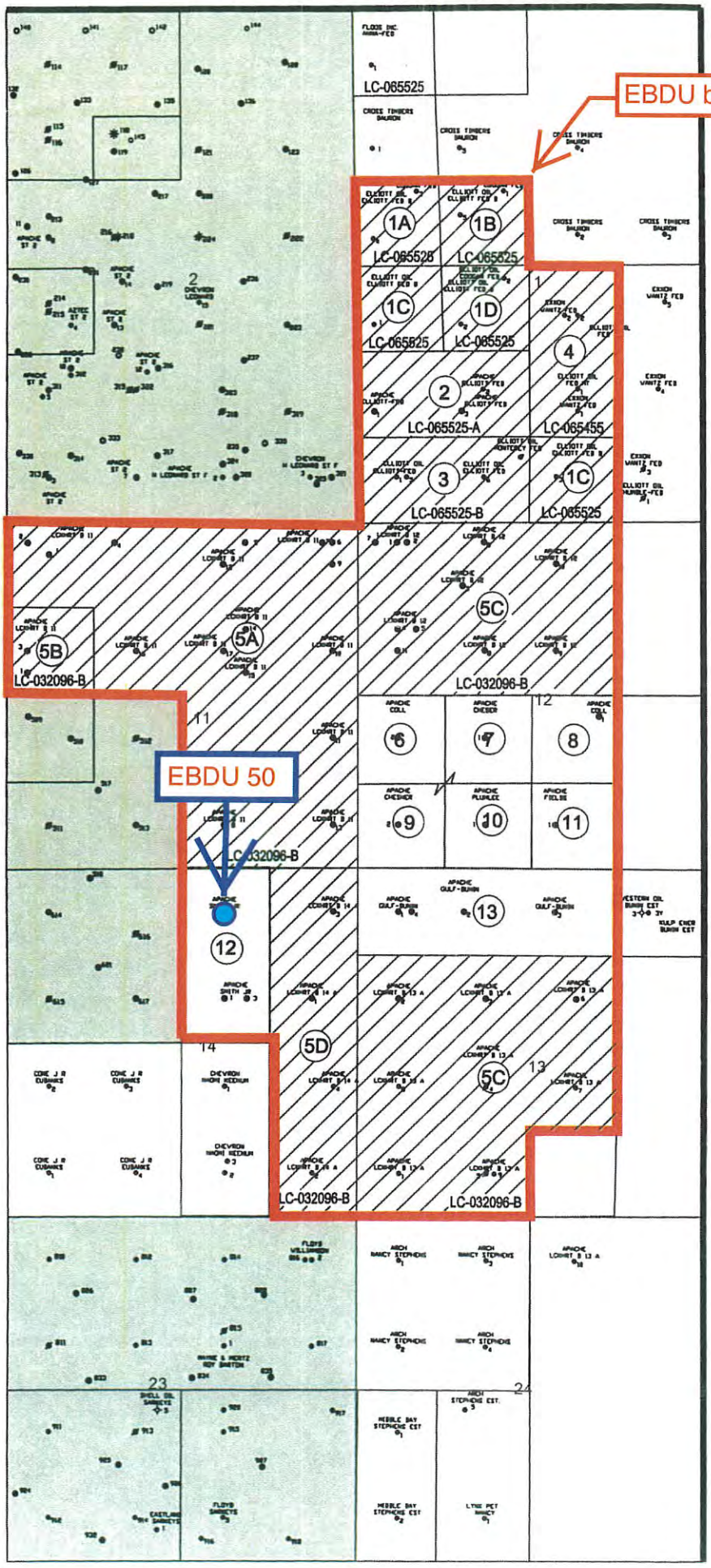
XI. Analyses from two fresh water wells within ≤3900' are in Exhibit H.

XII. Apache (Exhibit I) is not aware of any geologic or engineering data that may indicate the injection interval is in hydrologic connection with any underground sources of water. Closest Quaternary faults are ≈109 miles southwest (Exhibit I). There are 105 Blinebry injection wells in New Mexico. Previous water flood expansion approvals in the Unit are WFX-819, -842, -904, -909, -963, -969, -977, and -978.

XIII. A legal ad (see Exhibit J) was published on March 14, 2018. Notice (this application) has been sent (Exhibit K) to the surface owner (James Bryant), government lessors (BLM), lessees (BP, Chevron USA), and all operators (Chevron USA, J R Cone) within a half-mile regardless of depth.

EXHIBIT A

TOWNSHIP 21S, RANGE 37E, N.M.P.M.



EAST BLINEBRY DRINKARD UNIT
LEA COUNTY, NEW MEXICO

LEGEND

(11) UNIT TRACT NUMBER

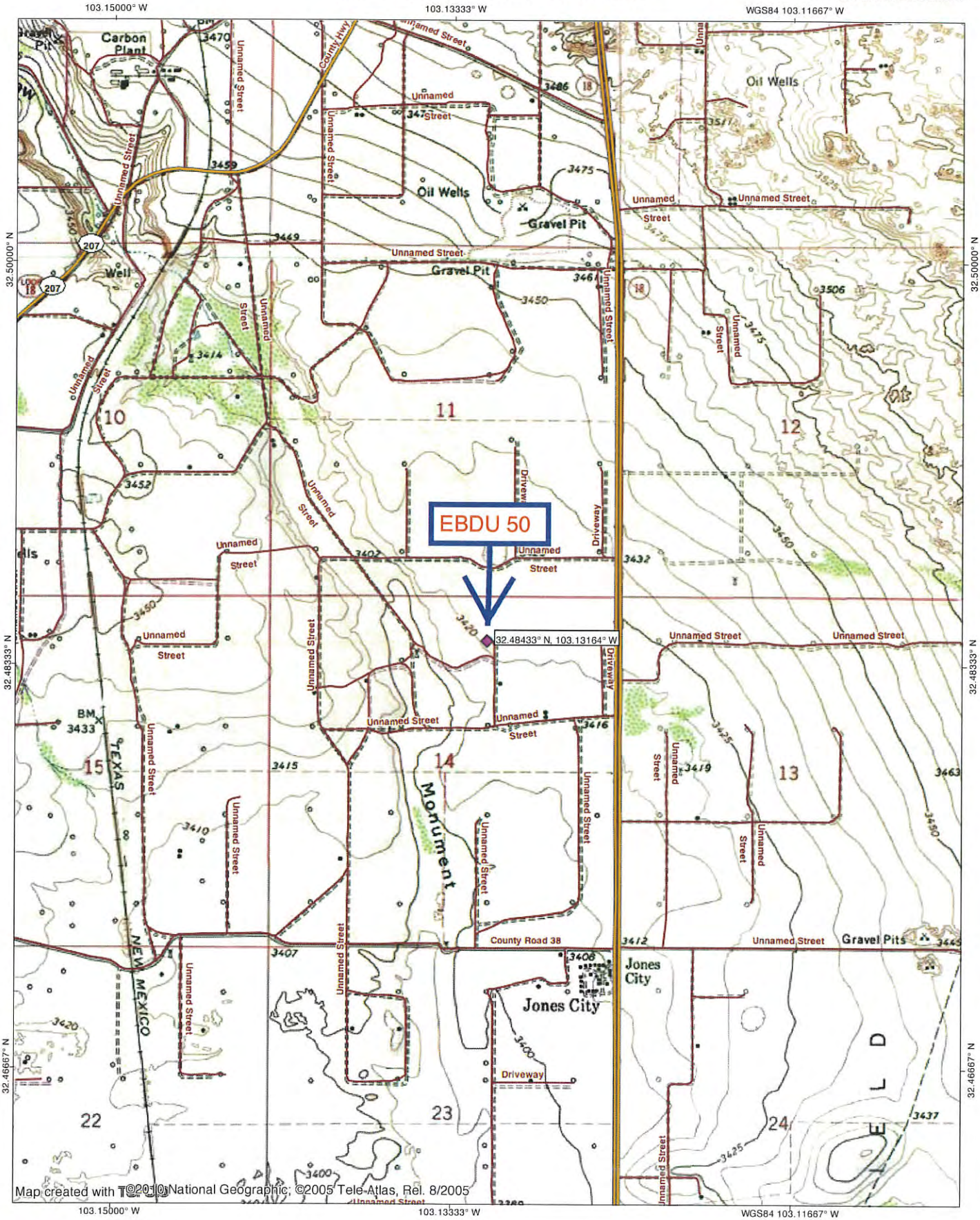
	ACREAGE	PERCENTAGE
FEDERAL LANDS	1640.00	78.85
PATENTED (FEE) LANDS	440.00	21.15
TOTALS	2080.00	100%

0 1000' 2000'

EAST BLINEBRY (KEVIN)

EXHIBIT A

TOPO! map printed on 03/17/18 from "Untitled.tpo"



Map created with TOPO! ©2010 National Geographic; ©2005 Tele Atlas, Rel. 8/2005

NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

TN MN
6.5°
03/17/18

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

EXHIBIT A

SECTION A

Operator	Lease	Well No.
Shell Oil Company	[illegible]	2

Unit Letter	Section	Township	Range	County
B	14	21S	37E	Lea

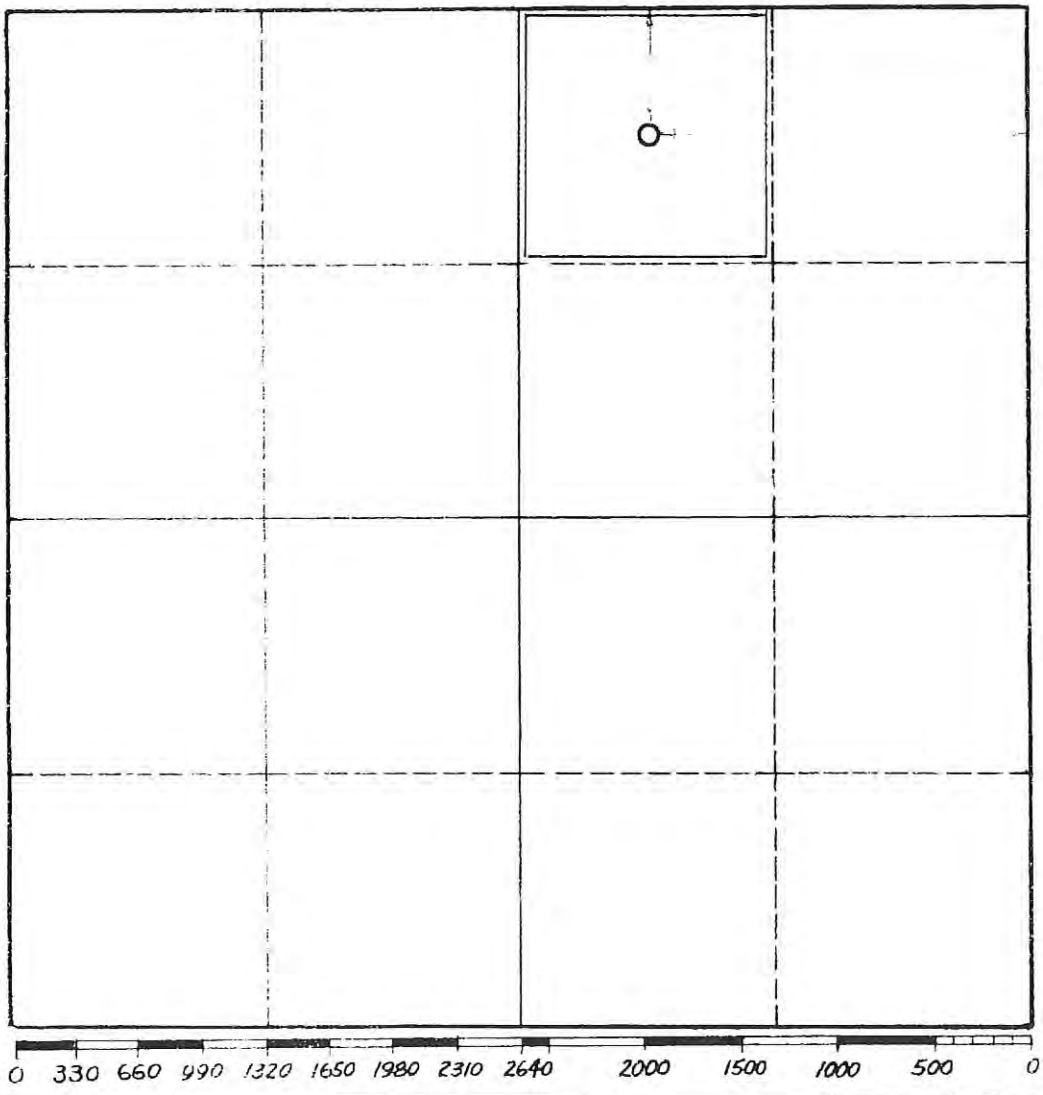
Actual Footage Location of Well:
660 feet from the [illegible] line and 1980 feet from the east line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3410'	Drinkard	Drinkard	40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X 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.

Original Signed By
R. A. LOWERY

Name: R. A. Lowery

Position: District Exploitation Engineer

Company: Shell Oil Company

Date: June 17, 1963

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.

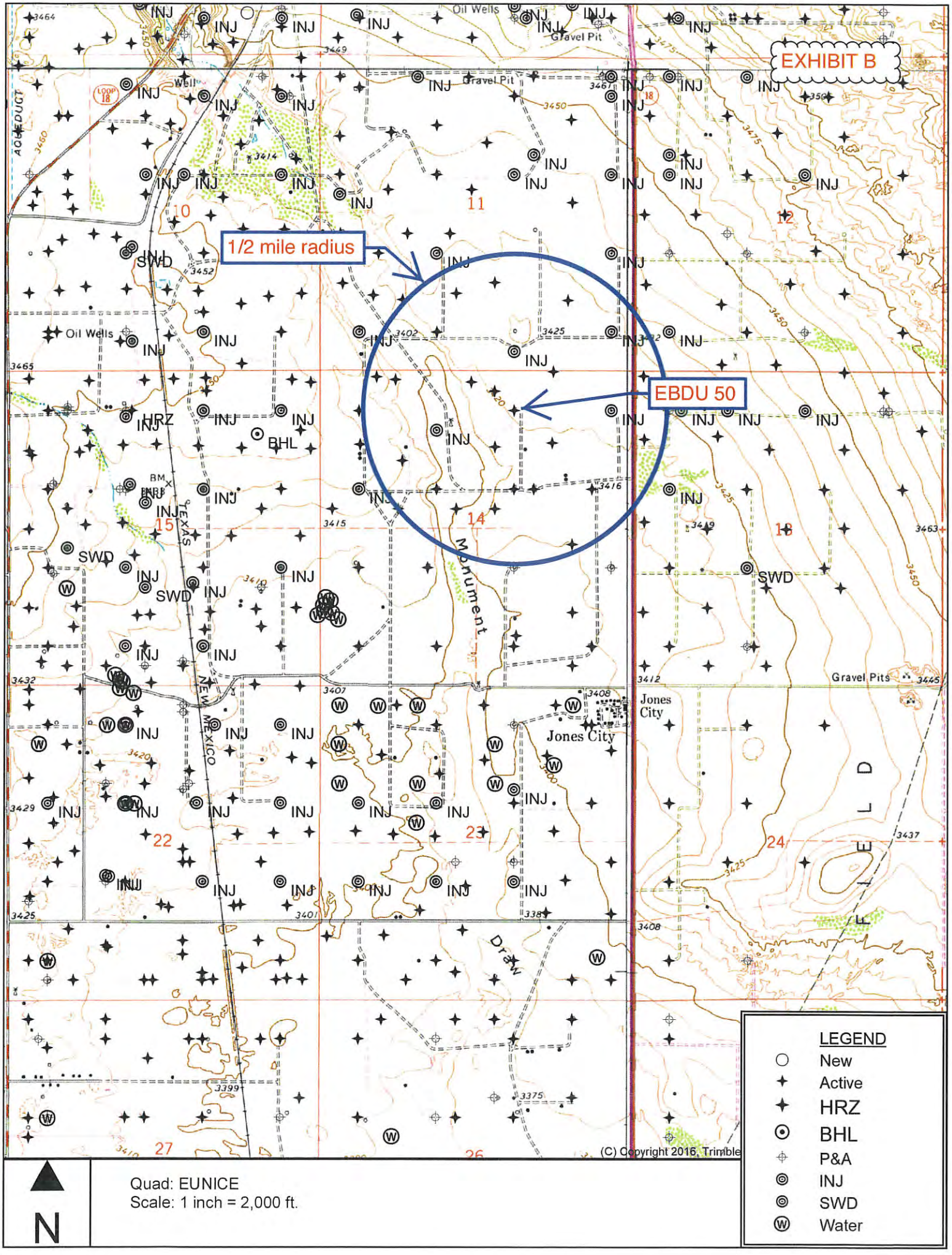


EXHIBIT B
1/2 mile radius
EBDU 50
BHL
HRZ
SWD
INJ
Oil Wells
Gravel Pit
Jones City
Monument Draw
TEXAS
NEW MEXICO
AQUEDUCT
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
N
Quad: EUNICE
Scale: 1 inch = 2,000 ft.
(C) Copyright 2016, Trimble

SORTED BY DISTANCE FROM EBDU 50

API	OPERATOR	WELL	WELL TYPE	UNIT-SECTION-T21S-R37E	TVD	ZONE	FEET FROM EBDU 50
3002536810	Apache	EBDU 052	O	B-14	8001	Eunice; Bli-Tu-Dr, N	468
3002538113	Apache	EBDU 060	O	B-14	6875	Eunice; Bli-Tu-Dr, N	698
3002539057	Apache	EBDU 081	O	B-14	6925	Eunice; Bli-Tu-Dr, N	757
3002537249	Apache	NEDU 529	O	C-14	6875	Eunice; Bli-Tu-Dr, N	851
3002539674	Apache	EBDU 080	O	A-14	6815	Eunice; Bli-Tu-Dr, N	901
3002506478	Apache	EBDU 017	I	O-11	7577	Eunice; Bli-Tu-Dr, N	990
3002506582	Apache	EBDU 049	O	G-14	7573	Eunice; Bli-Tu-Dr, N	1320
3002506581	Apache	NEDU 616	I	C-14	7743	Eunice; Bli-Tu-Dr, N	1336
3002506584	Apache	EBDU 051	O	G-14	5850	Eunice; Bli-Tu-Dr, N	1361
3002539275	Apache	EBDU 089	O	G-14	6905	Eunice; Bli-Tu-Dr, N	1651
3002506575	Apache	EBDU 045	I	A-14	5900	Eunice; Bli-Tu-Dr, N	1658
3002506580	Apache	NEDU 617	O	F-14	6613	Eunice; Bli-Tu-Dr, N	1849
3002506533	Apache	NEDU 513	O	N-11	6711	Eunice; Bli-Tu-Dr, N	1850
3002537724	Apache	NEDU 630	O	F-14	6751	Eunice; Bli-Tu-Dr, N	1870
3002506573	Apache	EBDU 043	O	H-14	6648	Eunice; Bli-Tu-Dr, N	1872
3002539406	Apache	EBDU 087	O	P-11	6950	Eunice; Bli-Tu-Dr, N	2050
3002534741	Apache	NEDU 621	O	F-14	6820	Eunice; Bli-Tu-Dr, N	2057
3002534740	Apache	NEDU 518	O	D-14	6860	Eunice; Bli-Tu-Dr, N	2066
3002506528	Apache	EBDU 022	I	P-11	5900	Eunice; Bli-Tu-Dr, N	2119
3002538501	Apache	EBDU 070	O	D-13	6950	Eunice; Bli-Tu-Dr, N	2187
3002538536	Apache	EBDU 071	O	D-13	7000	Eunice; Bli-Tu-Dr, N	2205

SORTED BY DISTANCE FROM EBDU 50

3002537673	Apache	NEDU 528	O	N-11	6900	Eunice; Bli-Tu-Dr, N	2242
3002538234	Apache	EBDU 063	O	J-11	6968	Eunice; Bli-Tu-Dr, N	2244
3002541168	Apache	NEDU 565	O	D-14	6945	Eunice; Bli-Tu-Dr, N	2408
3002538280	Apache	EBDU 061	O	I-14	6875	Eunice; Bli-Tu-Dr, N	2421
3002536804	Apache	NEDU 626	O	F-14	6850	Eunice; Bli-Tu-Dr, N	2553
3002506579	Apache	NEDU 614	O	D-14	7614	Eunice; Bli-Tu-Dr, N	2622
3002506530	Apache	EBDU 024	O	J-11	6760	Eunice; Bli-Tu-Dr, N	2640
3002506577	Chevron	Naomi Keenum 001	P&A	J-14	7325	Eunice; Bli-Tu-Dr, N	2640
3002534885	*Apache*	*NEDU 517*	*O*	*N-11*	*6860*	*Eunice; Bli-Tu-Dr, N*	*2644*

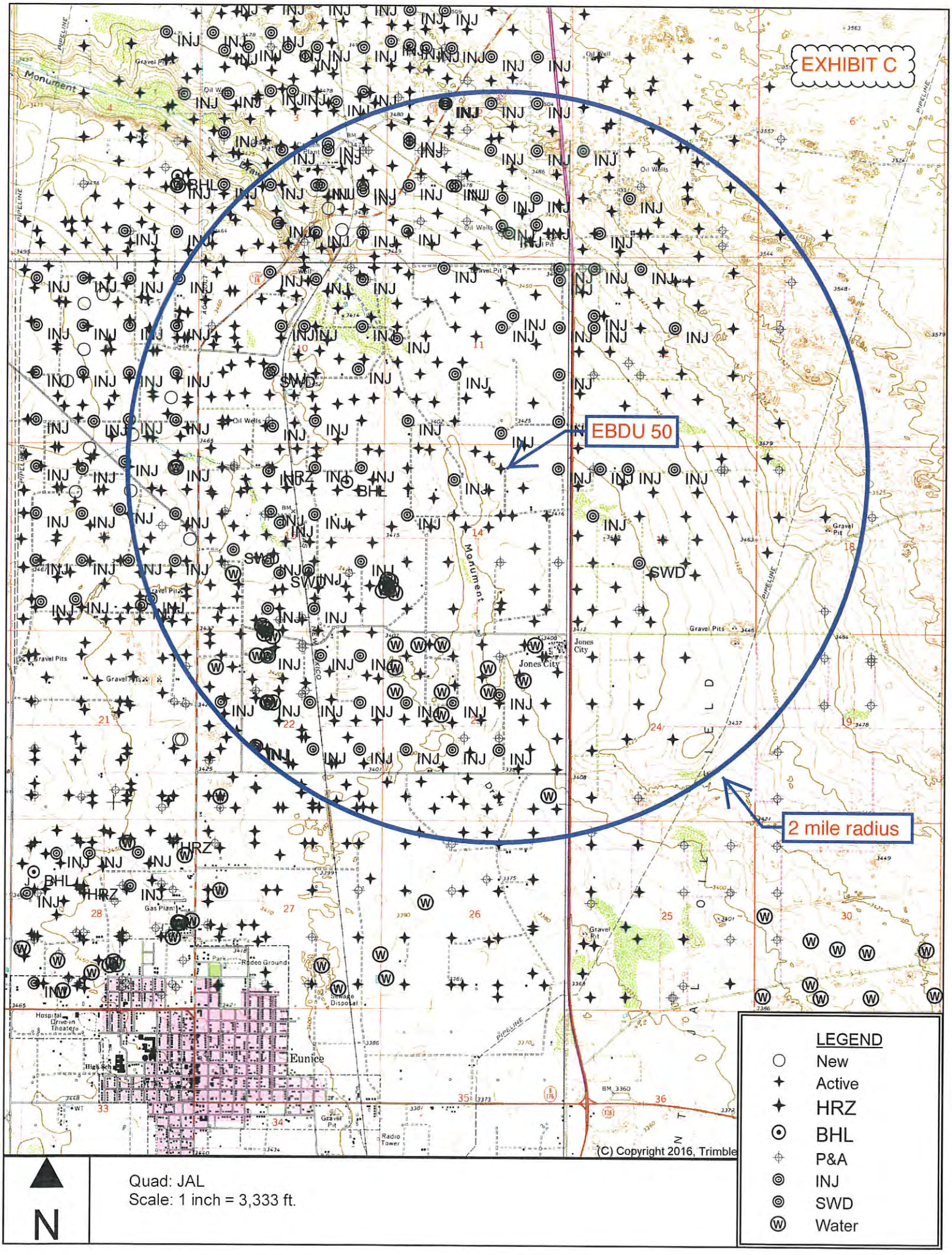


EXHIBIT C
EBDU 50
2 mile radius
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
Quad: JAL
Scale: 1 inch = 3,333 ft.
N
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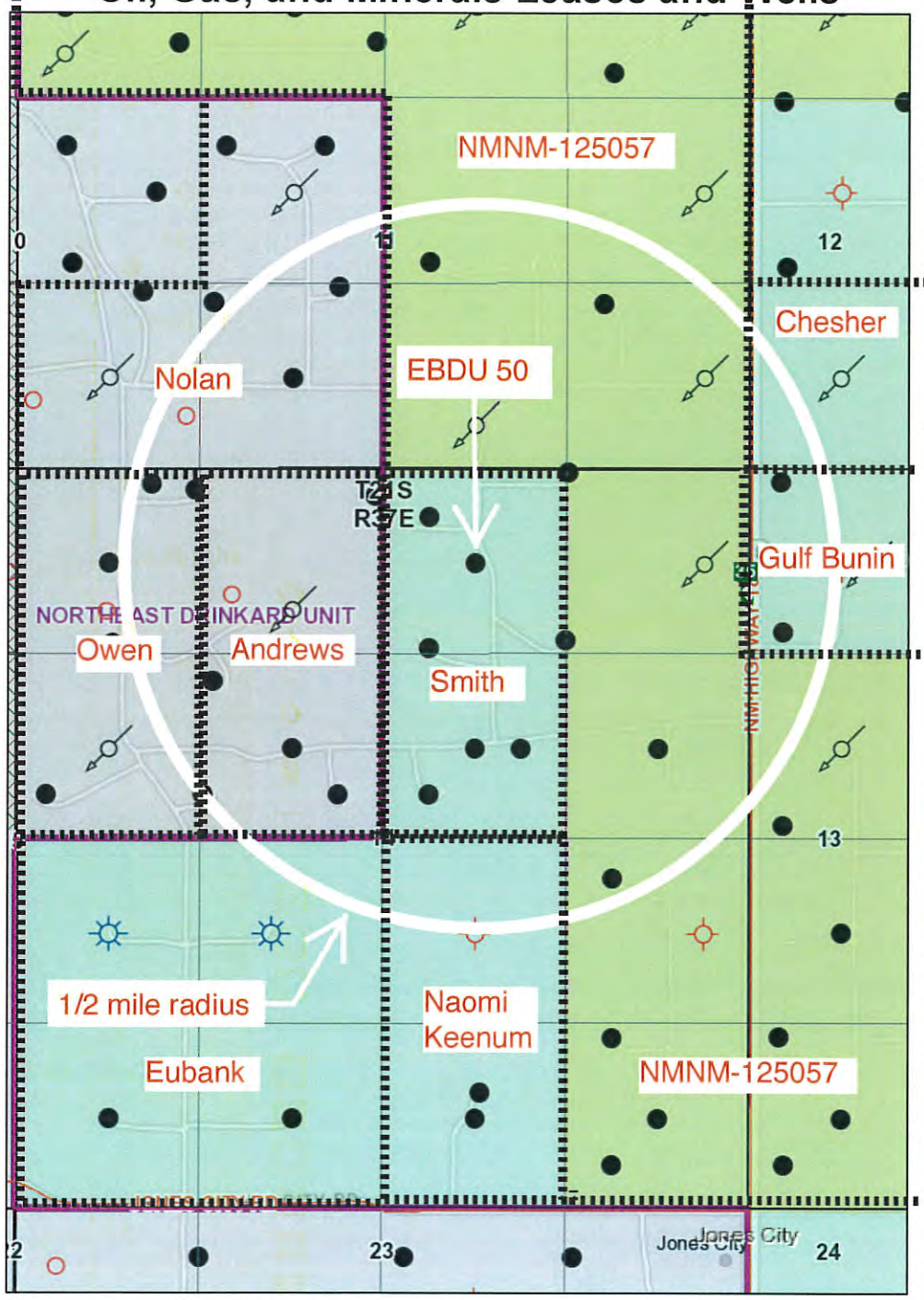
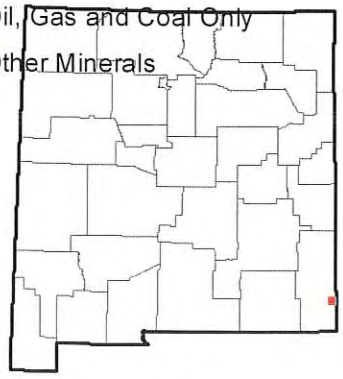
New Mexico State Land Office

EXHIBIT D

Oil, Gas, and Minerals Leases and Wells



- Override 1
- Villages
- Smaller Towns
- Larger Towns
- Cities
- State Boundary
- Continental Divide
- County Boundaries
- Townships
- Sections
- Subdivisions
- Carbon Dioxide
- Gas
- Injection
- Oil
- Salt Water Disposal
- Water Storage
- Miscellaneous
- Plugged / Dry / Abandoned
- Cancelled / Not Drilled
- Highway Mileposts
- Detailed Roads
- Unit Agreement Boundaries
- Participating Areas in Units
- Commercial Leases
- Minerals Leases
- Oil and Gas Leases
- Agricultural Leases
- Energy Leases
- Potash District
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

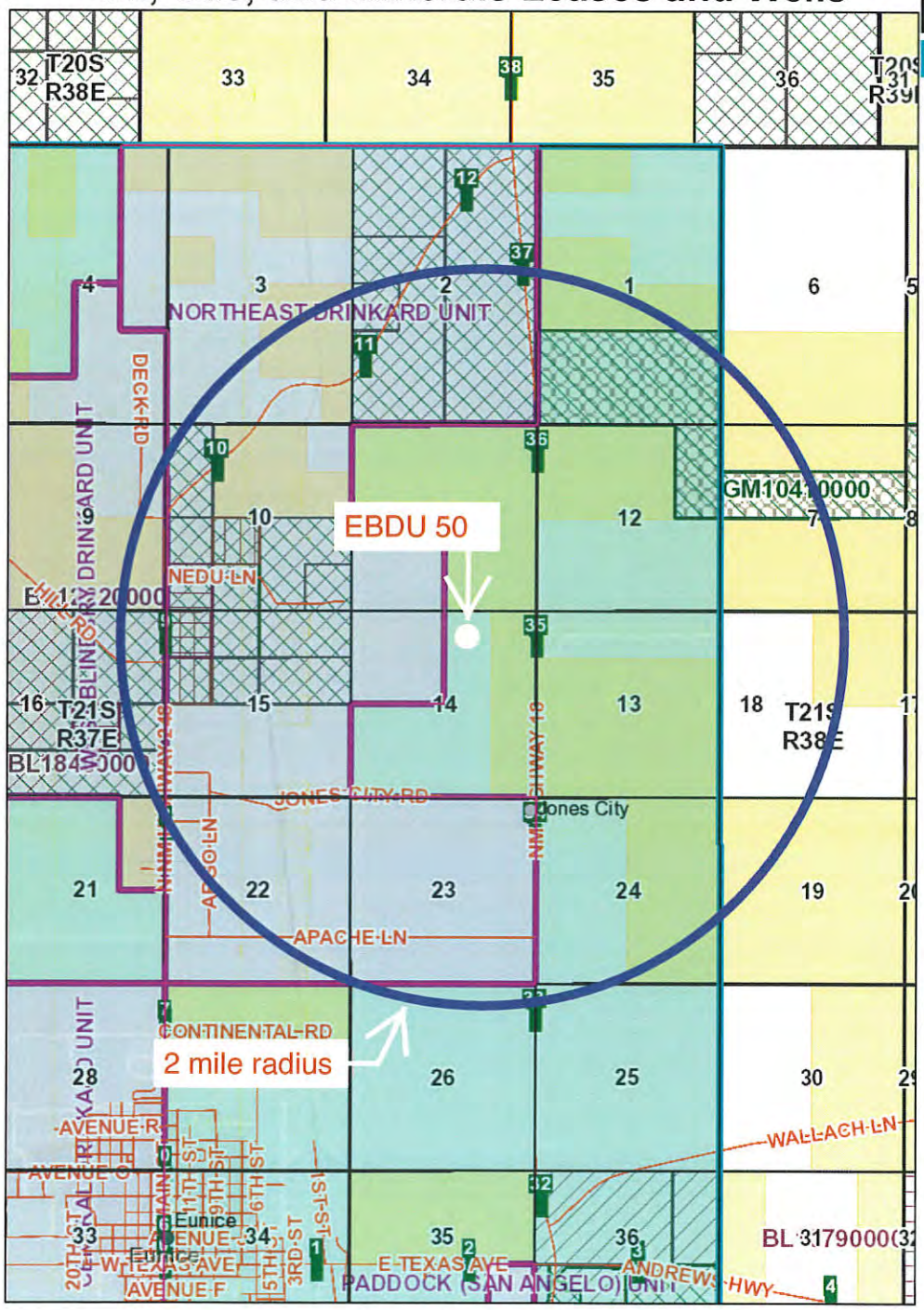


Map Created: 3/17/2018

New Mexico State Land Office

EXHIBIT E

Oil, Gas, and Minerals Leases and Wells



Legend

- Override 1
- Override 1
- Override 1
- Villages
- Smaller Towns
- Larger Towns
- Cities
- State Boundary
- Continental Divide
- County Boundaries
- Townships
- Sections
- Highway Mileposts
- Detailed Roads
- Unit Agreement Boundaries
- Participating Areas in Units
- Commercial Leases
- Minerals Leases
- Oil and Gas Leases
- Agricultural Leases
- Energy Leases
- Potash District
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

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.

Map Created: 3/17/2018

Sorted by distance from Apache EBDU 50

WELL	SPUD	TVD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
EBDU 052	12/10/04	8001	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1274	575 sx	GL	Circ 121 sx
30-025-36810					7.875	5.5	6850	1100 sx	1290	No report
B-14-21S-37E										
EBDU 060	5/5/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1312	600 sx	GL	Circ
30-025-38113					7.875	5.5	6875	1100 sx	40	CBL
B-14-21S-37E										
EBDU 081	9/26/08	6925	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1375	700 sx	GL	Circ
30-025-39057					7.875	5.5	6925	1600 sx	114	CBL
B-14-21S-37E										
NEDU 529	7/7/05	6875	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1198	575 sx	GL	Circ 128 sx
30-025-37249					7.875	5.5	6898	1300 sx	150	CBL
C-14-21S-37E										

EXHIBIT F

Sorted by distance from Apache EBDU 50

EBDU 080	3/19/10	6815	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1352	700 sx	GL	Circ
30-025-39674					7.875	5.5	6815	1150 sx	150	No report
A-14-21S-37E										
EBDU 017	6/27/53	7577	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	268	2550 sx	GL	Circ
30-025-06478					12.25	9.625	2996	2100 sx	GL	Circ
O-11-21S-37E					8.75	7	7576	861 sx	3380	No report
EBDU 049	3/14/52	7573	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	205	250 sx	GL	Circ 65 sx
30-025-06582					11	8.625	3000	2400 sx	GL	Circ
G-14-21S-37E					7.875	5.5	6808	300 sx	5423	CBL
NEDU 616	11/13/52	7743	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	222	250 sx	GL	Circ 50 sx
30-025-06581					11	8.625	3001	2000 sx	GL	Circ 400 sx
C-14-21S-37E					7.875	5.5	6940	450 sx	4985	Temp Survey

EXHIBIT F

Sorted by distance from Apache EBDU 50

EBDU 051	10/5/57	5850	Eunice; Bli-Tu-Dr, N	O	17	13.375	271	300 sx	GL	Circ 25 sx
30-025-06584					11	8.625	2985	1600 sx	GL	Circ 70 sx
G-14-21S-37E					7.875	5.5	5837	375 sx	4119	No report
EBDU 089	8/23/09	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1345	650 sx	GL	Circ
30-025-39275					7.875	5.5	6905	1150 sx	GL	Circ
G-14-21S-37E										
EBDU 045	8/18/56	5900	Eunice; Bli-Tu-Dr, N	I	No report	8.625	1411	725 sx	GL	Circ
30-025-06575					No report	5.5	5899	2575 sx	GL	Circ
A-14-21S-37E										
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	6563	800 sx	2768	TOL

Sorted by distance from Apache EBDU 50

NEDU 513	5/12/55	6711	Eunice; Bli-Tu-Dr. N	O	13.75	10.75	254	250 sx	GL	Circ
30-025-06533					9.875	7.625	3049	484 sx	700	No report
N-11-21S-37E					7.625	5.5	6479	1280 sx	GL	Circ
NEDU 630	5/11/06	6751	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1290	500 sx	GL	70 sx
30-025-37724					7.875	5.5	6751	900 sx	150	CBL
F-14-21S-37E										
EBDU 043	10/23/52	6648	Eunice; Bli-Tu-Dr, N			13.375	250	250 sx	GL	Circ
30-025-06573						9.625	3149	1570 sx	550	Temp Surv
H-14-21S-37E						7	6583	625 sx	3250	Temp Surv
EBDU 087	8/15/09	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1390	650 sx	GL	Circ
30-025-39406					7.875	5.5	6950	1000 sx	GL	Circ
P-11-21S-37E										

EXHIBIT F

Sorted by distance from Apache EBDU 50

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										
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										
EBDU 022	6/15/56	5900	Eunice; Bli-Tu-Dr, N	I	12.25	8.625	1400	750 sx	GL	Circ
30-025-06528					8.625	5.5	5899	3200 sx	2250	CBL
P-11-21S-37E										
EBDU 070	1/12/08	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1390	650 sx	GL	Circ
30-025-38501					7.875	5.5	6950	1150 sx	84	CBL
D-13-21S-37E										

EXHIBIT F

Sorted by distance from Apache EBDU 50

EBDU 071	1/30/08	7000	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1407	650 sx	GL	Circ
30-025-38536					7.875	5.5	7000	1200 sx	50	CBL
D-13-21S-37E										
NEDU 528	2/24/06	6900	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1230	525 sx	GL	Circ 104 sx
30-025-37673					7.875	5.5	6900	1325 sx	190	CBL
N-11-21S-37E										
EBDU 063	5/26/07	6968	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1321	600 sx	GL	Circ
30-025-38234					7.875	5.5	6968	1050 sx	70	CBL
J-11-21S-37E										
NEDU 565	9/8/13	6945	Eunice; Bli-Tu-Dr, N	O	11	8.875	1285	475 sx	GL	Circ 64 sx
30-025-41168					7.875	5.5	6955	1350 sx	GL	Circ 199 sx
D-14-21S-37E										

Sorted by distance from Apache EBDU 50

EBDU 061	4/26/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1325	600 sx	GL	Circ
30-025-38280					7.875	5.5	6875	1050 sx	100	CBL
I-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	No report
F-14-21S-37E										
NEDU 614	4/8/50	7614	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	1350	150 sx	GL	Circ
30-025-06579					11	8.625	2930	800 sx	1350	Temp Survey
D-14-21S-37E					7.875	5.5	3153	875 sx	3152	Temp Survey
EBDU 024	1/12/60	6760	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	307	260 sx	GL	Circ
30-025-06530					12.25	9.625	2995	1150 sx	2000	Calc.
J-11-21S-37E					8.75	7	6760	500 sx	3000	Calc.

EXHIBIT F

Sorted by distance from Apache EBDU 50

Naomi Keenum 001	12/16/52	7325	Eunice; Bli-Tu-Dr. N	P & A	17.25	12.75	200	250 sx	GL	Circ
30-025-06577					11	8.625	2999	2025 sx	GL	Circ 24 sx
J-14-21S-37E					7.875	5.5	7325	695 sx	3098	Temp Survey
NEDU 517	5/17/00	6860	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1341	460 sx	GL	Circ 96 sx
30-025-34885					7.875	5.5	6860	1340 sx	GL	Circ 125 sx
N-11-21S-37E										

Well: **Naomi Keenum** Field **Blinebry/Drinkard** Reservoir: **Blinebry Oil & Gas/Drinkar**

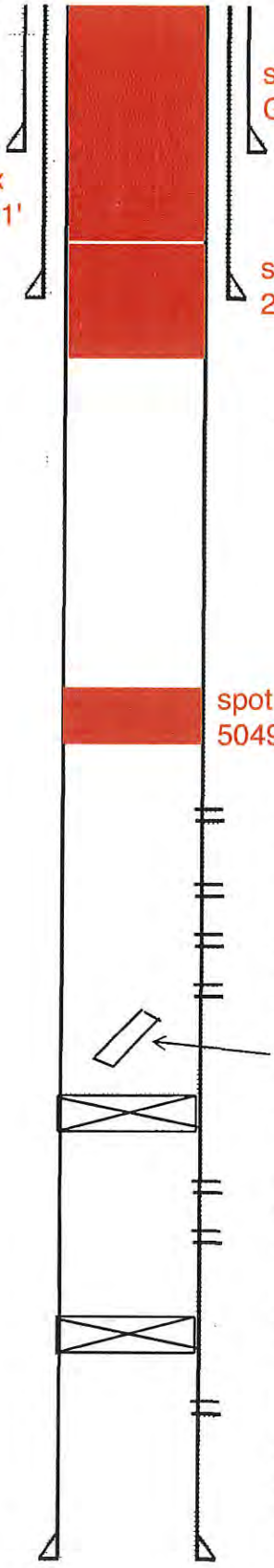
EXHIBIT G

Location:
1980' FS & 1980' EL
Section 14 Unit Letter: J
Township: 21S
Range: 37E
County Lea State: NM

Elevations:
GL: 3413'
KB: '12
DF: '

Wellbore Diagram

Well ID Info:
Chevno FA7682
API No: 30-025-06577
L5/L6: UCU462200
WBS:
Initial Compl. Date: 1/24/53



spot 125 sx
GL - 1200'

Surf. Csg: 12 3/4", 50#, H-40
Set: @ 200' w/ 250 sks
Size Hole: 17 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

spot 100 sx
1200' - 2091'

spot 100 sx
2091' - 3050'

Csg: 8 5/8", 28,32#, H-40, J-55
Set: @ 2999' w/ 2025 sks
Size Hole: 11"
Circ: Yes **TOC:** 3098
TOC By: Circulated

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

spot 25 sx
5049' - 5289'

Perfs:	Status:
5721'- 5829'	Blinebry - Open
6525-27'	Drinkard - open
6554-56'	Drinkard - open
6573-75'	Drinkard - open
6597-99'	Drinkard - open
6618-20'	Drinkard - open
6636-38'	Drinkard - open

Junk in the well @ 6627
CMT @6690'
CIBP @ 6700'

6850-6900'	Drinkard - abandoned
6920-6980'	Drinkard - abandoned
7000-7080'	Drinkard - abandoned
7110-7170'	Drinkard - abandoned

CMT @ 7179'
CIBP @ 7190'

7200-7300'	Drinkard - abandoned

Prod. Csg: 5 1/2", 17, 15 5, 14#, N-80,J-55,H-40
Set: @ 7325' w/ 695 sks
Size Hole: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

CMT @ 7315'

COTD: 6627'
PBTD: 6690'
TD: 7325'

Updated: 8/7/2009
By: N. Southern

spud 12-16-52
P&A 7-18-15

New Mexico Office of the State Engineer

EXHIBIT H

Water Column/Average Depth to Water

(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	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00137 POD1		CP	LE	2	2	1	13	21S	37E	676862	3595783*	1311	65		
CP 01185 POD2		CP	LE		1	3	14	21S	37E	674623	3594674	1356	70		
CP 01185 POD1		CP	LE		1	3	14	21S	37E	674598	3594689	1363	70		
CP 01185 POD4		CP	LE		1	3	14	21S	37E	674633	3594610	1397	70		
CP 01574 POD2		CP	LE	1	3	3	14	21S	37E	674666	3594578	1400	68	57	11
CP 01110 POD1		CP	LE		1	3	14	21S	37E	674586	3594648	1401	70		
CP 01110 POD2		CP	LE		1	3	14	21S	37E	674586	3594648	1401	70		
CP 01110 POD3		CP	LE		1	3	14	21S	37E	674586	3594648	1401	70		
CP 01110 POD4		CP	LE		1	3	14	21S	37E	674586	3594648	1401	20		
CP 01110 POD5		CP	LE		1	3	14	21S	37E	674586	3594648	1401	20		
CP 01185 POD3		CP	LE		1	3	14	21S	37E	674592	3594620	1417	70		
CP 01574 POD1		CP	LE	2	4	4	15	21S	37E	674559	3594598	1456	68	57	11
CP 00239 POD1		CP	LE	1	1	2	23	21S	37E	675485	3594152*	1509	89	61	28
CP 00562		CP	LE	1	2	2	23	21S	37E	675887	3594159*	1537	136	65	71
CP 00235 POD1		CP	LE	2	2	1	23	21S	37E	675283	3594144*	1540	81		
CP 00235 POD2		CP	LE	1	2	1	23	21S	37E	675083	3594144*	1588	96	65	31
CP 00134 POD1		CP	LE	1	1	1	24	21S	37E	676289	3594166*	1664	85		
CP 00235 POD6		CP	LE	2	1	1	23	21S	37E	674881	3594137*	1665	85	65	20
CP 00235 POD8		CP	LE	3	1	2	23	21S	37E	675485	3593952*	1709	94	58	36
CP 00236 POD1		CP	LE	3	1	2	23	21S	37E	675485	3593952*	1709	83		
CP 00240 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	1737			
CP 00241 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	1737	79		
CP 00235 POD3		CP	LE	1	1	1	23	21S	37E	674681	3594137*	1756	90	61	29
CP 00700		CP	LE			2	23	21S	37E	675794	3593851*	1824	75	65	10
CP 00235 POD10		CP	LE	1	3	2	23	21S	37E	675492	3593749*	1912	92	60	32
CP 00235 POD11		CP	LE	1	3	2	23	21S	37E	675492	3593749*	1912	97	60	37
CP 00237 POD1		CP	LE	1	3	2	23	21S	37E	675492	3593749*	1912	84		
CP 00235 POD7		CP	LE	3	1	1	23	21S	37E	674681	3593937*	1932	85	65	20
CP 00235 POD5		CP	LE	1	4	1	23	21S	37E	675090	3593742*	1973	90	70	20
CP 00235 POD4		CP	LE	1	3	1	23	21S	37E	674688	3593735*	2111	100	80	20

1 mile = 1610 m

CP 00238 POD1		CP	LE	3	3	2	23	21S	37E	675492	3593549*	2111	81		
CP 00235 POD9		CP	LE	3	4	1	23	21S	37E	675090	3593542*	2168	94	58	36
CP 00286 POD1		CP	LE	2	1	2	10	21S	37E	674019	3597338*	2275	70		
CP 01575 POD2		CP	LE	2	2	1	22	21S	37E	673615	3594181	2439	35	35	0
CP 01141 POD4		CP	LE				15	21S	37E	673556	3594239	2453	45		
CP 01141 POD2		CP	LE				15	21S	37E	673543	3594250	2457	40		
CP 01141 POD3		CP	LE				15	21S	37E	673520	3594272	2463	40		
CP 01575 POD1		CP	LE	1	2	1	22	21S	37E	673544	3594204	2482	40	35	5
CP 00729 POD1		CP	LE	4	1	3	15	21S	37E	673259	3594711*	2485	8015		
CP 00731 POD1		CP	LE		2	1	22	21S	37E	673577	3594015*	2573	8130		
CP 00252 POD1		CP	LE	4	2	4	22	21S	37E	674493	3593125*	2748	106	78	28
CP 00554		CP	LE		2	2	16	21S	37E	672744	3595610*	2812	80	70	10
CP 01222 POD3		CP	LE	2	4	4	23	21S	37E	676036	3592871	2829	60	48	12
CP 00732 POD1		CP	LE		4	1	22	21S	37E	673584	3593613*	2842	6633		
CP 00881		CP	LE		4	4	22	21S	37E	674402	3592824*	3061	95	53	42
CP 00251 POD1		CP	LE	2	3	4	22	21S	37E	674099	3592915*	3107	103		
CP 00197	O	CP	LE	1	4	1	01	21S	37E	676611	3598599*	3122	85		
CP 00197 POD1		CP	LE	1	4	1	01	21S	37E	676611	3598599*	3122	85		

Average Depth to Water: **60 feet**

Minimum Depth: **35 feet**

Maximum Depth: **80 feet**

Record Count: 48

UTMNAD83 Radius Search (in meters):

Easting (X): 675556 **Northing (Y):** 3595660 **Radius:** 3220

***UTM location was derived from PLSS - see Help**

EXHIBIT H

EXHIBIT H

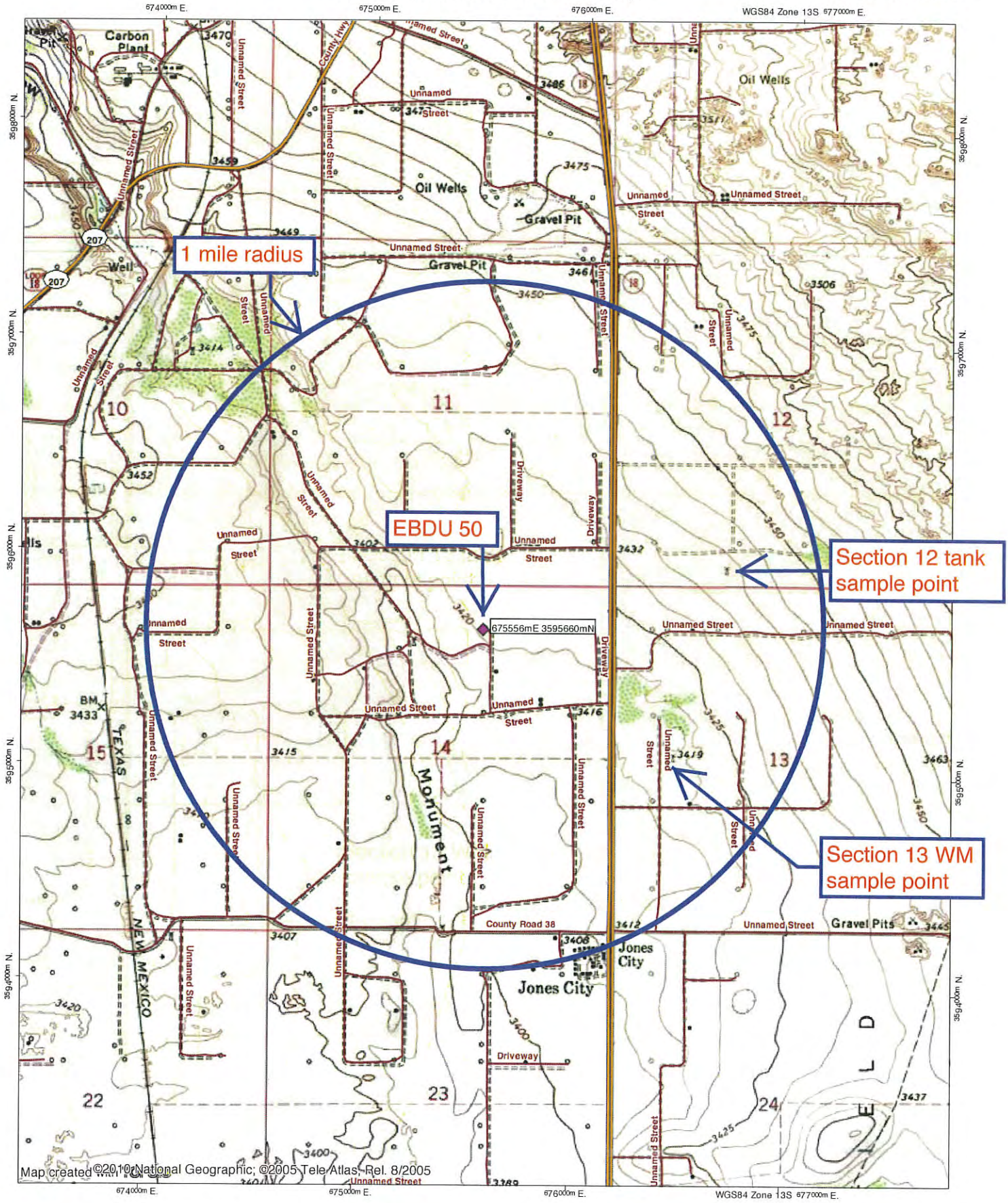

TOPO! map printed on 03/17/18 from "Untitled.tpo"
1 mile radius
EBDU 50
675556mE 3595660mN
Section 12 tank sample point
Section 13 WM sample point
Carbon Plant
Oil Wells
Gravel Pit
Jones City
Monument
TEXAS
NEW MEXICO
County Road 38
Unnamed Street
Driveway
Map created with TOPO! ©2010 National Geographic; ©2005 Tele Atlas, Rel. 8/2005
NATIONAL GEOGRAPHIC
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km
TN MN
6.5°
03/17/18

EXHIBIT H

Analytical Report
Lab Order **1708C75**
Date Reported: **9/11/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-001

≈3900' ENE of EBDU 50

Client Sample ID: Section 12 Tank
Collection Date: 8/18/2017 10:28:00 AM
Matrix: AQUEOUS
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	670	25	*	mg/L	50	8/31/2017 6:31:12 PM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	10.7		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1770	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

Analytical Report
Lab Order **1708C75**
Date Reported: **9/11/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-002

≈3400' SE of EBDU 50

Client Sample ID: Section 13 WM
Collection Date: 8/18/2017 11:19:00 AM
Matrix: AQUEOUS
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	280	10	*	mg/L	20	8/25/2017 12:24:29 AM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	9.95		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	930	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

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 Quanitative 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 Detection Limit
W	Sample container temperature is out of limit as specified

EXHIBIT H

Analytical Report
Lab Order **1708C75**
Date Reported: **9/11/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-003 **Matrix:** AQUEOUS

Client Sample ID: Decky Pond
Collection Date: 8/18/2017 2:20:00 PM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	360	10	*	mg/L	20	8/25/2017 12:49:18 AM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	9.93		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1040	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

Analytical Report
Lab Order **1708C75**
Date Reported: **9/11/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-004 **Matrix:** AQUEOUS

Client Sample ID: Section 15 Tank
Collection Date: 8/18/2017 5:17:00 PM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	660	25	*	mg/L	50	9/5/2017 6:57:19 PM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	10.1		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1730	40.0	*D	mg/L	1	8/25/2017 5:04:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1708C75**

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID	**MB-33659**	SampType:	**MBLK**	TestCode:	**EPA Method 1664B**					
Client ID:	**PBW**	Batch ID:	**33659**	RunNo:	**45373**					
Prep Date:	**9/1/2017**	Analysis Date:	**9/1/2017**	SeqNo:	**1437730**	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-33659**	SampType:	**LCS**	TestCode:	**EPA Method 1664B**					
Client ID:	**LCSW**	Batch ID:	**33659**	RunNo:	**45373**					
Prep Date:	**9/1/2017**	Analysis Date:	**9/1/2017**	SeqNo:	**1437731**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	33.8	10.0	40.00	0	84.5	78	114			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1708C75**

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R45189**	RunNo: **45189**							
Prep Date:	Analysis Date: **8/24/2017**	SeqNo: **1432143**	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: **R45189**	RunNo: **45189**							
Prep Date:	Analysis Date: **8/24/2017**	SeqNo: **1432144**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	100	90	110			

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R45380**	RunNo: **45380**							
Prep Date:	Analysis Date: **8/31/2017**	SeqNo: **1437942**	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: **R45380**	RunNo: **45380**							
Prep Date:	Analysis Date: **8/31/2017**	SeqNo: **1437943**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.8	90	110			

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **A45445**	RunNo: **45445**							
Prep Date:	Analysis Date: **9/5/2017**	SeqNo: **1439920**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS-b**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **A45445**	RunNo: **45445**							
Prep Date:	Analysis Date: **9/5/2017**	SeqNo: **1439922**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT H

WO#: 1708C75

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID	MB-33526	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW	Batch ID:	33526	RunNo:	45227					
Prep Date:	8/23/2017	Analysis Date:	8/25/2017	SeqNo:	1432473	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-33526	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW	Batch ID:	33526	RunNo:	45227					
Prep Date:	8/23/2017	Analysis Date:	8/25/2017	SeqNo:	1432474	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			

Sample ID	1708C75-004AMS	SampType:	MS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	Section 15 Tank	Batch ID:	33526	RunNo:	45227					
Prep Date:	8/23/2017	Analysis Date:	8/25/2017	SeqNo:	1432494	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	3830	40.0	2000	1728	105	80	120			D

Sample ID	1708C75-004AMSD	SampType:	MSD	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	Section 15 Tank	Batch ID:	33526	RunNo:	45227					
Prep Date:	8/23/2017	Analysis Date:	8/25/2017	SeqNo:	1432495	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	3850	40.0	2000	1728	106	80	120	0.625	5	D

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

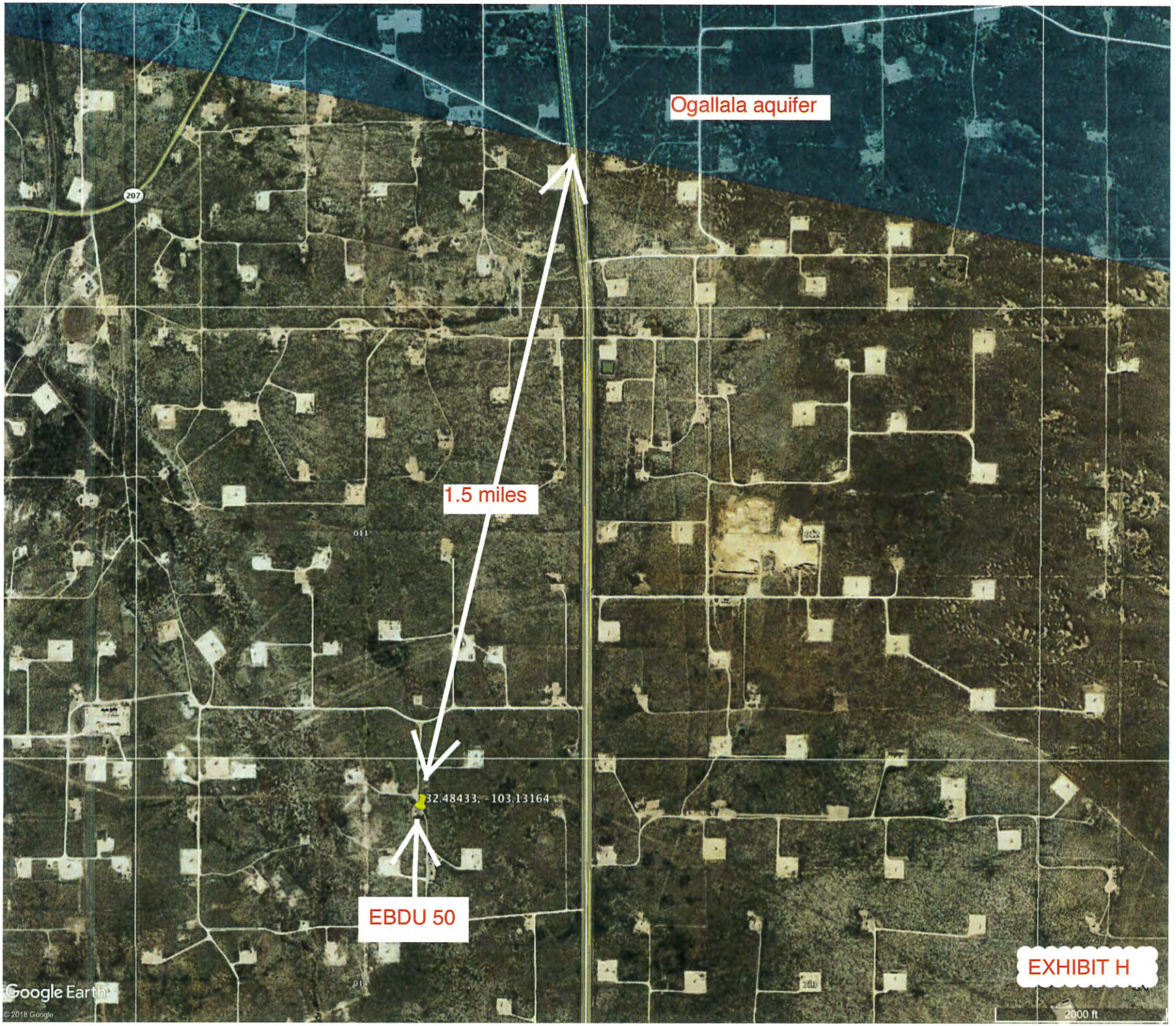

Ogallala aquifer
1.5 miles
32.48433, -103.13164
EBDU 50
EXHIBIT H
Google Earth
© 2018 Google
2000 ft

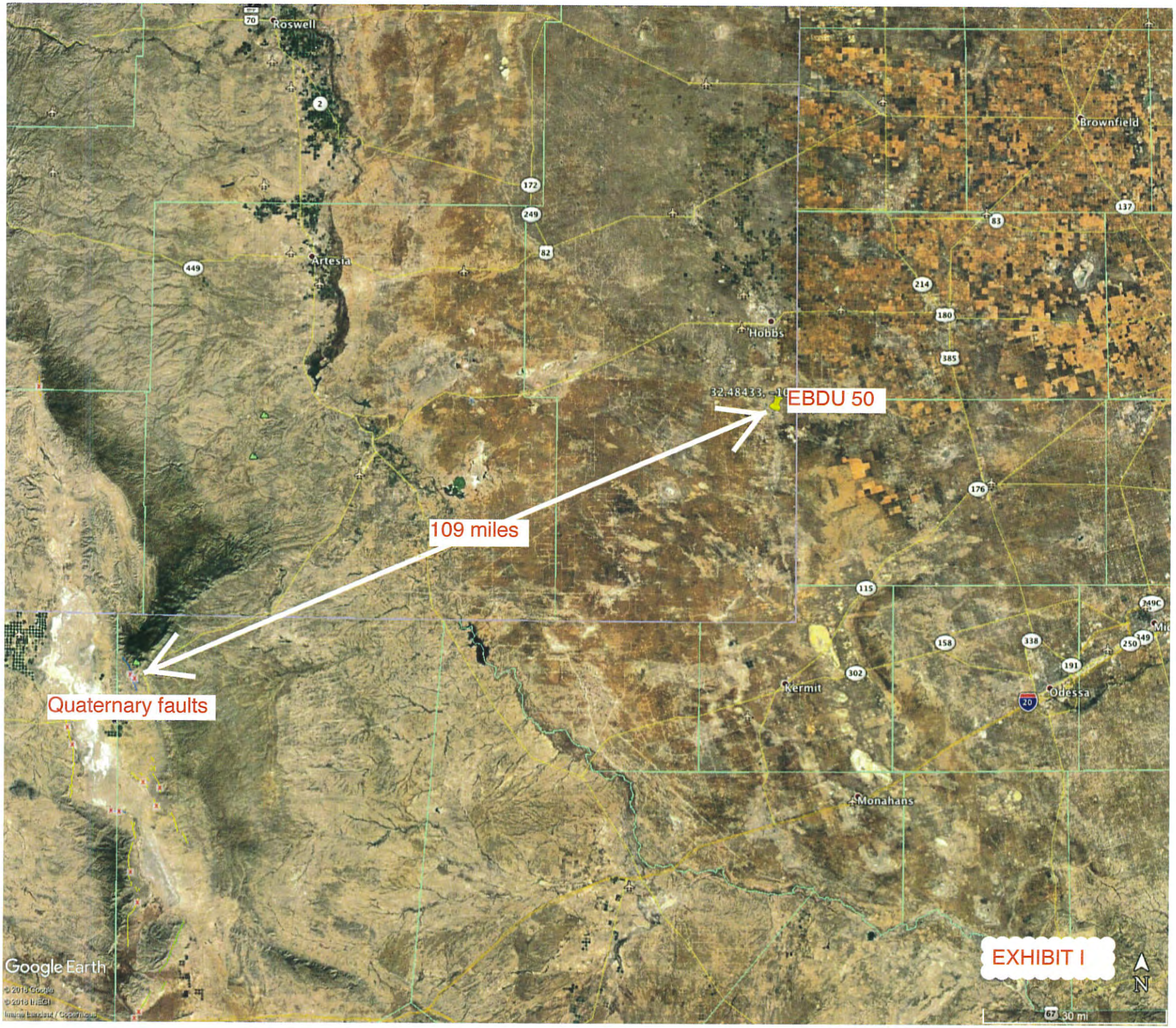
EXHIBIT I

Form C-108
Affirmative Statement
Apache Corporation
East Blinebry Drinkard Unit
Section 14, T-21-S, R-37-E
Lea County, New Mexico

The extractions from the seismic data show no evidence of faulting at (or above) the Glorieta in this area and surface mapping from the USGS confirms that no faults are known at the surface. In addition, we have no empirical evidence that our injection operations at EBDU are affected by faulting at the Glorieta level, the evaporites, or the surface. Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

Justin Wagner
Geologist I

8/14/2017
Date


Roswell
Artesia
Hobbs
Brownfield
Kermit
Odessa
Monahans
32.48433, -10
EBDU 50
109 miles
Quaternary faults
EXHIBIT I
N
Google Earth
30 mi

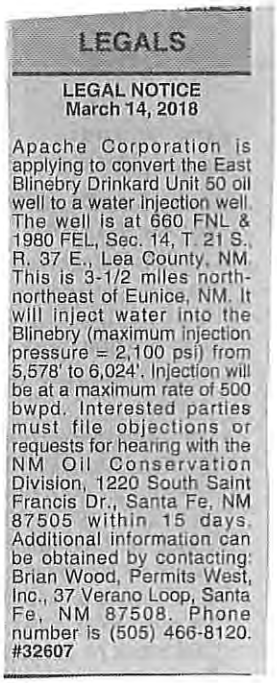
Affidavit of Publication

EXHIBIT J

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
March 14, 2018
and ending with the issue dated
March 14, 2018.



LEGALS

LEGAL NOTICE
March 14, 2018

Apache Corporation is applying to convert the East Blinebry Drinkard Unit 50 oil well to a water injection well. The well is at 660 FNL & 1980 FEL, Sec. 14, T. 21 S., R. 37 E., Lea County, NM. This is 3-1/2 miles north-northeast of Eunice, NM. It will inject water into the Blinebry (maximum injection pressure = 2,100 psi) from 5,578' to 6,024'. Injection will be at a maximum rate of 500 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 within 15 days. 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.
#32607

Publisher

Sworn and subscribed to before me this
14th day of March 2018.

Business Manager

My commission expires
January 29, 2019
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-19

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

02108485

00208565

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

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 19, 2018

James Allen Bryant
8204 Indigo Court NE
Albuquerque NM 87122

TYPICAL LETTER

Apache Corporation is applying (see attached application) to convert its East Blinebry Drinkard Unit 50 oil well to a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed water injection well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: East Blinebry Drinkard Unit 50 (fee lease) TD = 6,631'
Proposed Injection Zone: Blinebry from 5,578' to 6,024'
Where: 660' FNL & 1980' FEL Sec. 14, T. 21 S., R. 37 E., Lea County, NM
Approximate Location: 3-1/2 air miles NNE of Eunice, NM
Applicant Name: Apache Corporation (432) 818-1062
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. NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Phone is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT K

7017 0190 0001 1434 8983

CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

Postmark Here

MAR 19 2018

Sent To: BLM

Street and Apt. No., or PO Box No.:

City, State, ZIP+4®: CARLSBAD

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

7017 0190 0001 1434 9669

U.S. Postal Service™ EBDU 50
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

Postmark Here

PECOS NM
MAR 19 2018
79752-9998

Sent To: CHEVRON USA

Street and Apt. No., or PO Box No.:

City, State, ZIP+4®: MIDLAND, TX

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

7017 0190 0001 1434 9652

U.S. Postal Service™ EBDU 50
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $ MAR 19 2018
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

Postmark Here

PECOS NM
79752-9998

Sent To: ET AM.

Street and Apt. No., or PO Box No.:

City, State, ZIP+4®: HOUSTON

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

7017 0190 0001 1434 9676

U.S. Postal Service™ EBDU 50
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $ MAR 19 2018
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

Postmark Here

PECOS NM
79752-9998

Sent To: J.R. CONE

Street and Apt. No., or PO Box No.:

City, State, ZIP+4®: LUBBOCK, TX

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

7017 0190 0001 1434 8476

U.S. Postal Service™ EBDU 50
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee 3.45
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $ 2.75
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage 1.84

Total Postage and Fees 8.04
$

Postmark Here

Sent To: LUCY BRYANT

Street and Apt. No., or PO Box No.:

City, State, ZIP+4®: ALBQ

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

EXHIBIT K

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

LM
20 E. Greene
arlsbad NM 88220

9590 9402 3732 7335 6670 53
pache – EBDU 50
Article Number *(Transfer from service label)*
7017 0190 0001 1434 8983

Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee
B. Received by *(Printed Name)* MAR 2 C. Date of Delivery 2 2018
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery
☐ Insured Mail
Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

J R Cone Operating LLC
PO Box 10217
Lubbock TX 79408

9590 9402 3732 7335 6667 28
Apache – EBDU 50
2. Article Number *(Transfer from service label)*
7017 0190 0001 1434 9676

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee
B. Received by *(Printed Name)* C. Date of Delivery
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery
☐ Insured Mail
Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
MRS.
James Allen Bryant
8204 Indigo Court NE
Albuquerque NM 87122

9590 9402 3732 7335 6667 35
Apache – EBDU 50
2. Article Number *(Transfer from service label)*
7017 0190 0001 1434 8976

S Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Lucille Bryant ☐ Agent ☐ Addressee
B. Received by *(Printed Name)* Lucille Bryant C. Date of Delivery 3/20/18
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery
Restricted Delivery

Domestic Return Receipt

NDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

P American Production
37 N. Eldridge Parkway
ouston TX 77079

9590 9402 3732 7335 6667 11
pache – EBDU 50
Article Number *(Transfer from service label)*
7017 0190 0001 1434 9652

Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X J Barros ☐ Agent ☐ Addressee
B. Received by *(Printed Name)* C. Date of Delivery 3/22/18
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery
☐ Insured Mail
il Restricted Delivery

Domestic Return Receipt

NDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

hevron USA
101 Deauville
and TX 79706

9590 9402 3732 7335 6667 04
ache – EBDU 50
Article Number *(Transfer from service label)*
7017 0190 0001 1434 9669

Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee
B. Received by *(Printed Name)* C. Lawrence C. Date of Delivery 3/22/18
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery
stricted Delivery

Domestic Return Receipt

EXHIBIT K

FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V16.2]

DATE RECORD: First Rec: 4/02/2018 **Admin Complete:** 4/02/2018 **or Suspended:** _____ Add. Request/Reply: _____

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: ~~IPI-292(2008)~~ OR-12354(2005)

Well No. 50 Well Name(s): EBDU

API : 30-0 25-06583 Spud Date: 12-31-1953 New or Old (EPA): O (*UIC Class II Primacy 03/07/1982*)

Footages 660FNL 1980FEL Lot ____ or Unit B Sec 14 Tsp 21S Rge 37E County Lea

General Location: 22 miles NE/Eunice Pool: Eunice; BL-TB-DR Pool No.: 22560

BLM 100K Map: JA1 Operator: Apache Corp OGRID: 873 Contact: Brian Woods Agent

COMPLIANCE RULE 5.9: Total Wells: 211 Inactive: 5 **Fincl Assur:** OK Compl. Order? N/A **IS 5.9 OK?** ____ **Date:** 4-16-2018

WELL FILE REVIEWED ◯ Current Status: Active

WELL DIAGRAMS: NEW: Proposed ◯ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: N/A

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ Surface	17 ½" / 13 3/8"	223		250	Surface / Visual
Planned __or Existing __ Interm/Prod	12¼" / 8 5/8"	2040		2040	Surface / Visual
Planned __or Existing __ Interm/Prod	7 7/8" / 5½"	6490		350	4100 / TS
Planned __or Existing __ Prod/Liner					
Planned __or Existing __ Liner					
Planned __or Existing __ OH / PERF	5578/6024		Inj Length 446'		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		BL	5578
Confining Unit: Litho. Struc. Por.		TB	6025
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD ~~6450~~ 6630 PBTD 6038

NEW TD _____ NEW PBTD _____

NEW Open Hole ◯ or NEW Perfs ✓

Tubing Size 2⅞ in. Inter Coated? Y

Proposed Packer Depth 5490 ft

Min. Packer Depth 5478 (100-ft limit)

Proposed Max. Surface Press. 210 psi

Admin. Inj. Press. 2100 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ____ *Noticed?* ____ **BLM Sec Ord** ◯ **WIPP** ◯ *Noticed?* ____ **Salt/Salado** T: ____ B: ____ **NW: Cliff House fm** ____

FRESH WATER: Aquifer _____ Max Depth 136' **HYDRO AFFIRM STATEMENT** By Qualified Person ✓

NMOSE Basin: Capitan **CAPITAN REEF:** thru ____ adj NA **No. GW Wells in 1-Mile Radius?** 12 FW Analysis? Y

Disposal Fluid: Formation Source(s) Produced H2O Analysis? Y On Lease ✓ Operator Only ◯ or Commercial ◯

Disposal Interval: Inject Rate (Avg/Max BWPD): 400/500 Protectable Waters? ____ Source: _____ System: Closed or Open

HC Potential: Producing Interval? Y Formerly Producing? ____ Method: Logs/DST/P&A/Other _____ 2-Mi Radius Pool Map ✓

AOR Wells: 1/2-M Radius Map and Well List? Y **No. Penetrating Wells:** 30 [AOR Horizontals: 0 AOR SWDs: ____]

Penetrating Wells: No. Active Wells 29 Num Repairs? ____ on which well(s)? _____ Diagrams? ____

Penetrating Wells: No. P&A Wells 1 Num Repairs? ____ on which well(s)? _____ Diagrams? X

NOTICE: Newspaper Date March 14, 2018 Mineral Owner BLM Surface Owner James Bryant N. Date 3-19-2018

RULE 26.7(A): Identified Tracts? Y Affected Persons: BP, Chevron, JR Conn N. Date _____

Order Conditions: Issues: Blinebry Only

Additonal COAs: _____