

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- 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

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

- WFX 948
 - Apache Corp
 873

RECEIVED OGD
 2015 SEP -4 P 1:30

West Blinebry
 Drinkard Unit 36
 30-025-09908

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

Pool
 - E4 mile; Bli-79-
 Dr, north
 22900

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] 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

Consultant

9-4-15

Print or Type Name

Signature

Title

Date

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? _____ 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 et al

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.

WEST BLINEBRY DRINKARD UNIT 36

VII. Attach data on the proposed operation, including:

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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).

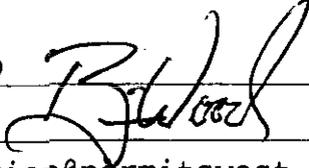
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: AUGUST 31, 2015

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.

INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 36

WELL LOCATION: 1980' FSL & 1980' FWL K 9 21 S 37 E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 15" Casing Size: 13-5/8"
 Cemented with: 200 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRCULATED

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"
 Cemented with: 500 sx. or _____ ft³
 Top of Cement: 1650' Method Determined: TEMPERATURE SURVEY

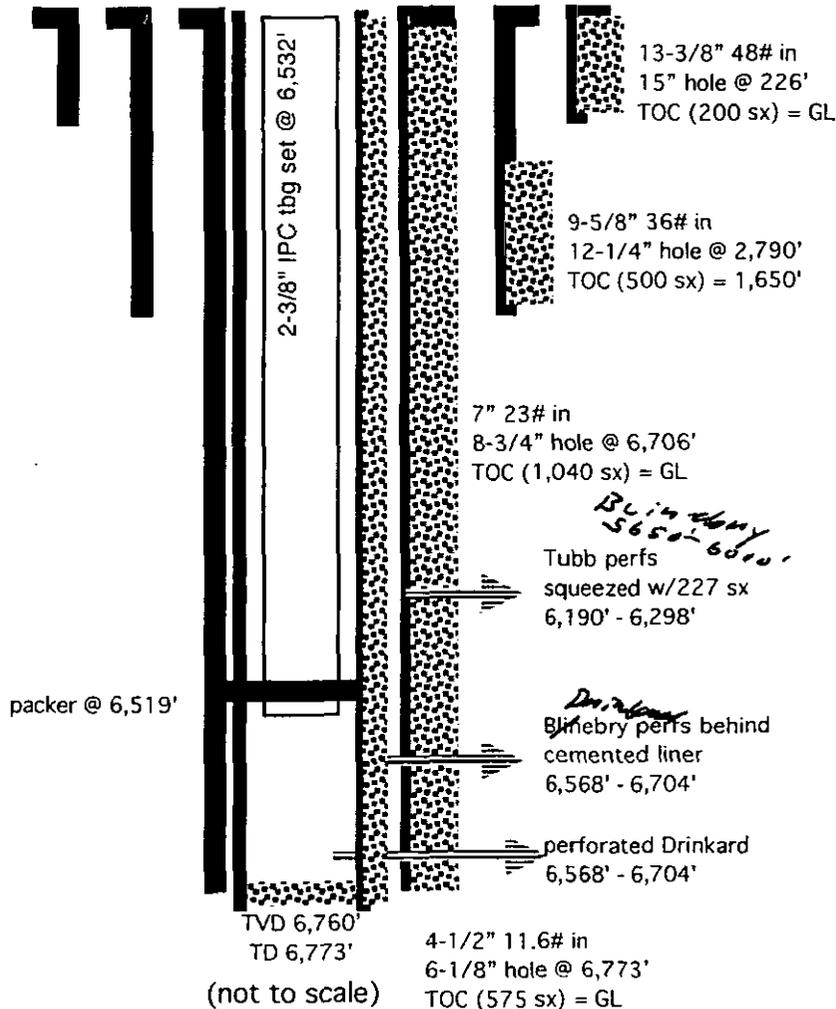
Production Casing

Hole Size: 8-3/4" Casing Size: 7"
 Cemented with: 1,040 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRCULATED
 Total Depth: 6,773' 94 SX & CBL

Injection Interval

6,568' feet to 6,704'

(Perforated or Open Hole; indicate which)



(not to scale)

4-1/2" 11.6# in
 6-1/8" hole @ 6,773'
 TOC (575 sx) = GL

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: 6,519'

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

Additional Data

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

If no, for what purpose was the well originally drilled? _____

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. _____

NO

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

OVER: GRAYBURG (3,750'), SAN ANDRES (4,102'),
BLINEBRY (5,620'), & TUBB (6,057')

UNDER: ABO (6,740')

APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 36
1980' FSL & 1980' FWL
SEC. 9, T. 21 S., R. 37 E.
LEA COUNTY, NM

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I. Goal is to continue to use the well as a water injection well to increase oil recovery. Injection was originally approved (R-12981 and R-12981-A) in 2008. The well was converted and ready to inject on August 3, 2009. However, injection did not start until January 2010. This was after the 1-year deadline in the order. This oversight was not noticed until this summer. The well will inject (6,568' - 6,704') into the Drinkard, which is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900).

The well (fka, Hawk B-1 #5 & Hawk B-9 #5) and zone are part of the West Blinebry Drinkard Unit (Cases 14125 and 14126, both Order Number R-12981) that was established in 2008 by Apache. There have been seven subsequent WFX approvals: WFX-854, WFX-857, WFX-913, WFX-921, WFX-922, WFX-923, and WFX-924. Thirty-three other water injectors are now active in the unit.

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: BLM's NMNM-090161
Lease Size: 640 acres (see Exhibit A for maps and C-102)
Closest Lease Line: 933'
Lease Area: S2 & E2NW4 of Section 9, T. 21 S., R. 37 E. et al
Unit Size: 2,480 acres Unit Numbers: 300341 & NMNM-120042X
Closest Unit Line: 3300'
Unit Area: T. 21 S., R. 37 E.
Section 4: Lot 15, S2SW4, & SE4
Section 8: E2, NENW, & E2SW
Sections 9 & 16: all
Section 17: E2 & E2SW4
Section 21: E2NE4

- A. (2) Surface casing (13-3/8", 48#, H-40) was set in 1948 at 226' in a 15" hole with 200 sacks, some of which circulated to surface.

Intermediate casing (9-5/8", 36#, J-55) was set at 2,790' in a 12-1/4" hole and cemented to 1,650' (temperature survey) with 500 sacks.

Production casing (7", 23#, J-55 & N-80) was set at 6,706' in an 8-3/4" hole and cemented to 1,100' (CBL) with 940 sacks. Casing was subsequently perforated in 2014 at 800' and 1,120' and cemented to surface with 200 sacks, of which 94 sacks circulated out.

Well was deepened in 2014 from 6,707' to 6,773' and a liner (4-1/2", 11.6#, J-55) was set at 6,773' in a 6-1/8" hole and cemented to surface (CBL) in 2 stages with 575 sacks. DV tool is set at 5,528'. Cement circulated out.

- A. (3) Tubing is 2-3/8", J-55, 4.7#, and internally plastic coated. Setting depth is 6,532'. (Injection interval is 6,568' to 6,704'.)
- A. (4) A lock set injection packer is set at 6,519' (49' above the highest perforation of 6,568').
- B. (1) Injection zone is the Drinkard carbonates. Zone is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool. Estimated fracture gradient is ≈ 0.56 psi per foot.
- B. (2) Injection interval is 6,568' to 6,704'. The well is a cased hole. See attached well profile for more perforation information.
- B. (3) Well was originally drilled as a Drinkard oil well and has subsequently also produced from the Blinebry and Tubb.

- B. (4) Well has been perforated in three zones (Blinebry 5674' - 5986', Tubb 6190' - 6298', and Drinkard (6586' - 6706')). Blinebry was isolated behind a cemented liner in 2014. Tubb was squeezed with 227 sacks in 2009. Drinkard is still open and is the project goal.
- B. (5) Next higher oil or gas zone in the area of review is the Tubb. It produced from 6,190' to 6,298' in this well. Injection will occur in the Drinkard from 6,586' to 6,706'. Both zones are part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (pool code 22900) and in the unit.

The next lower oil or gas zone in the area of review is the Wantz; Abo (pool code 62700). It produces from 6,784' to 6,861' in Apache's Hawk Federal B 1 #6 (30-025-09907). That well is 920' south of the WBDU 36. Deepest perforation in the injection interval will be 6,706'.

IV. This is not a horizontal or vertical expansion of an existing injection project. The case file for the unit approval (R-12981) describes the water flood. There have been 7 water flood expansions since then. Closest unit boundary is 3,300' east. Nine existing injection wells are within a half-mile radius. All are in the unit (see Exhibit B).

V. Exhibit B shows all 47 existing wells (38 oil wells + 9 water injection wells) within a half-mile radius, regardless of depth. Exhibit C shows all 739 existing wells (571 oil or gas producing wells + 90 injection or disposal wells + 61 P & A wells + 16 water wells + 1 brine supply well) within a two-mile radius.

Exhibit D shows all leases (only BLM, State, and fee) within a half-mile radius. Exhibit E shows all lessors (BLM, fee, and state) within a two-mile radius. All of the area of review is within the unit. Details on the leases within a half-mile are:

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| Aliquot Parts in Area of Review (T21S, R37E) | Lessor(s) | Lease | Lessee(s) of Record | Drinkard operator, if any |
|--|-----------|---------------------|---------------------------------|---------------------------|
| SENE Sec. 8 | BLM | NMLC-031741A | Apache, Chevron, ConocoPhillips | Apache |
| E2SE4 Sec. 8 | BLM | NMNM-090161 | Apache, Chevron | Apache |
| E2NW4 & S2 Sec. 9 | BLM | NMNM-090161 | Apache, Chevron | Apache |
| W2NW4 Sec. 9 | BLM | NMLC-031741A | Apache, Chevron, ConocoPhillips | Apache |
| NWNE & S2NE4 Sec. 9 | fee | Southland Royalty A | Apache | Apache |
| NWNE Sec. 16 | NMSLO | B0-1732-0001 | Chevron | Apache |
| N2NW4 Sec. 16 | NMSLO | B0-1557-0002 | Apache | Apache |
| N2NW4 Sec. 16 | NMSLO | B0-1557-0001 | Occidental | Apache |

VI. There are 47 existing wells within a half-mile radius. Twenty-six of the wells penetrated the Drinkard. The penetrators include 17 oil or gas wells and 9 water injection wells. No P&A wells are within a half-mile. A table abstracting the well construction details and histories of the penetrators are in Exhibit F. The 47 wells and their distances from the #36 are:

| API | Operator | Well | T21S, R37E, Section | TVD | Type Well | Zone | Feet from #36 |
|------------|----------|-------------------|---------------------|------|-----------|--|---------------|
| 3002535799 | Apache | Hawk Fed. B 1 026 | 9 | 4200 | O | Penrose Skelly; Grayburg | 142 |
| 3002536664 | Apache | Hawk Fed. B 1 041 | 9 | 4350 | G | Penrose Skelly; Grayburg | 892 |
| 3002509907 | Apache | Hawk Fed. B 1 006 | 9 | 7530 | O | Eunice Monument; Grayburg - San Andres | 920 |

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| | | | | | | | |
|------------|--------|-------------------|---|------|---|--------------------------|------|
| 3002536533 | Apache | Hawk Fed. B 1 040 | 9 | 4775 | 0 | Penrose Skelly; Grayburg | 970 |
| 3002536663 | Apache | Hawk Fed. B 1 033 | 9 | 4345 | 0 | Penrose Skelly; Grayburg | 982 |
| 3002538200 | Apache | WBDU 054 | 9 | 6900 | 0 | Eunice; Bli-Tu-Dr, North | 995 |
| 3002538196 | Apache | WBDU 031 | 9 | 6945 | 0 | Eunice; Bli-Tu-Dr, North | 1069 |
| 3002536344 | Apache | WBDU 045 | 9 | 6900 | 0 | Eunice; Bli-Tu-Dr, North | 1069 |
| 3002537743 | Apache | WBDU 049 | 9 | 6950 | 0 | Eunice; Bli-Tu-Dr, North | 1092 |
| 3002536531 | Apache | Hawk Fed. B 1 038 | 9 | 4350 | 0 | Penrose Skelly; Grayburg | 1157 |
| 3002541871 | Apache | WBDU 201 | 9 | 6957 | 0 | Eunice; Bli-Tu-Dr, North | 1176 |
| 3002535882 | Apache | Hawk Fed. B 1 031 | 9 | 4204 | 0 | Penrose Skelly; Grayburg | 1286 |
| 3002506438 | Apache | WBDU 033 | 9 | 6695 | 1 | Eunice; Bli-Tu-Dr, North | 1297 |
| 3002535798 | Apache | Hawk Fed. B 1 025 | 9 | 4200 | 0 | Penrose Skelly; Grayburg | 1306 |
| 3002535797 | Apache | Hawk Fed. B 1 024 | 9 | 4200 | 0 | Penrose Skelly; Grayburg | 1309 |

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|------------|--------|------------------------|---|------|---|--------------------------|------|
| 3002506437 | Apache | WBDU 032 | 9 | 6786 | I | Eunice; Bli-Tu-Dr, North | 1322 |
| 3002509910 | Apache | WBDU 035 | 9 | 6707 | I | Eunice; Bli-Tu-Dr, North | 1327 |
| 3002535876 | Apache | Hawk Fed. B 1 020 | 9 | 4200 | O | Penrose Skelly; Grayburg | 1437 |
| 3002506442 | Apache | WBDU 005 | 9 | 7569 | I | Eunice; Bli-Tu-Dr, North | 1848 |
| 3002509906 | Apache | WBDU 038 | 9 | 6770 | I | Eunice; Bli-Tu-Dr, North | 1854 |
| 3002506441 | Apache | WBDU 039 | 9 | 6770 | I | Eunice; Bli-Tu-Dr, North | 1868 |
| 3002506440 | Apache | WBDU 021 | 9 | 6710 | I | Eunice; Bli-Tu-Dr, North | 1877 |
| 3002535514 | Apache | Southland Royalty A 10 | 9 | 4450 | O | Penrose Skelly; Grayburg | 1958 |
| 3002538197 | Apache | WBDU 051 | 9 | 6837 | O | Eunice; Bli-Tu-Dr, North | 1974 |
| 3002537744 | Apache | WBDU 050 | 9 | 6875 | O | Eunice; Bli-Tu-Dr, North | 2024 |
| 3002535880 | Apache | Hawk Fed. B 1 028 | 9 | 4200 | O | Penrose Skelly; Grayburg | 2032 |
| 3002538173 | Apache | Hawk Fed. B 1 043 | 9 | 4395 | O | Penrose Skelly; Grayburg | 2034 |

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| | | | | | | | |
|------------|--------|---------------------|----|------|---|--------------------------|------|
| 3002535796 | Apache | Hawk Fed. B 1 019 | 9 | 4200 | 0 | Penrose Skelly; Grayburg | 2042 |
| 3002536686 | Apache | Hawk Fed. B 1 037 | 9 | 4350 | 0 | Penrose Skelly; Grayburg | 2061 |
| 3002535805 | Apache | Hawk A 014 | 9 | 4200 | 0 | Penrose Skelly; Grayburg | 2062 |
| 3002536530 | Apache | Hawk Fed. B 1 036 | 9 | 4743 | 0 | Penrose Skelly; Grayburg | 2083 |
| 3002538194 | Apache | WBDU 029 | 9 | 6965 | 0 | Eunice; Bli-Tu-Dr, North | 2106 |
| 3002538521 | Apache | WBDU 055 | 8 | 6975 | 0 | Eunice; Bli-Tu-Dr, North | 2111 |
| 3002537742 | Apache | WBDU 048 | 8 | 6950 | 0 | Eunice; Bli-Tu-Dr, North | 2129 |
| 3002538199 | Apache | WBDU 053 | 9 | 6885 | 0 | Eunice; Bli-Tu-Dr, North | 2161 |
| 3002537030 | Apache | WBDU 014 | 9 | 6900 | 0 | Eunice; Bli-Tu-Dr, North | 2192 |
| 3002536618 | Apache | State C C Tract 016 | 16 | 4350 | 0 | Penrose Skelly; Grayburg | 2194 |
| 3002536532 | Apache | Hawk Fed. B 1 039 | 8 | 4350 | 0 | Penrose Skelly; Grayburg | 2210 |
| 3002538267 | Apache | WBDU 063 | 16 | 6845 | 0 | Eunice; Bli-Tu-Dr, North | 2232 |

| | | | | | | | |
|------------|--------|---------------------|----|------|---|--------------------------|------|
| 3002541872 | Apache | WBDU 202 | 9 | 6939 | 0 | Eunice; Bli-Tu-Dr, North | 2252 |
| 3002536095 | Apache | State C C Tract 013 | 16 | 4150 | 0 | Penrose Skelly; Grayburg | 2335 |
| 3002538014 | Apache | Hawk Fed. B 1 050 | 8 | 4355 | 0 | Penrose Skelly; Grayburg | 2383 |
| 3002537202 | Apache | State C C Tract 021 | 16 | 7300 | 0 | Wantz; Abo | 2422 |
| 3002538198 | Apache | WBDU 052 | 9 | 6870 | 0 | Eunice; Bli-Tu-Dr, North | 2556 |
| 3002535707 | Apache | State C C Tract 009 | 16 | 4450 | 0 | Penrose Skelly; Grayburg | 2583 |
| 3002520178 | Apache | WBDU 042 | 9 | 6780 | 1 | Eunice; Bli-Tu-Dr, North | 2624 |
| 3002509909 | Apache | WBDU 034 | 9 | 6781 | 1 | Eunice; Bli-Tu-Dr, North | 2642 |

- VII. 1. Average injection rate will be \approx 2,500 bwpd.
 Maximum injection rate will be \approx 3,000 bwpd.
2. System will be closed. The well will be tied into the existing unit pipeline system. The system consists of a branched injection system with centrifugal injection pumps.
3. Average injection pressure will be \approx 1200 psi. Maximum injection pressure will be 1313 psi ($=0.2$ psi/foot x 6568' (highest perforation)).
4. Water source will be water pumped from two existing \approx 4,000' deep San Andres water supply wells, plus produced water from Blinebry, Tubb,

and Drinkard zones. The source water and produced water are collected in separate skim tanks. The two water streams (source and produced) are commingled in a tank before being piped to the injection wells. A comparison of nearby analyses and San Andres follows. No compatibility problems have reported from the 35,307,015 barrels that have been injected to date in the unit since 2009.

| | WBDU 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/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. The Blinebry, Tubb, and Drinkard currently produce from 118 oil wells in the unit. It is the goal of the project 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 Drinkard is Leonardian in age, 256' thick, and consists of tan to dark gray shallow marine carbonates, many of which have been dolomitized. Core filling and replacement anhydrite are 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 currently 156 Drinkard injection wells in the state. The West Blinebry Drinkard Unit shares its east border with Apache's Northeast Drinkard Unit. Three other similar water floods (East Blinebry Drinkard Units, Central Drinkard Unit, and Warren Blinebry Unit) are within a mile of the West Blinebry Drinkard Unit. The Central Drinkard Unit has been under water flood since the 1960s.

Formation depths are:

| |
|--|
| Quaternary = 0' |
| Rustler = 1,270' |
| Tansill = 2,474' |
| Yates = 2,648' |
| Seven Rivers = 2,905' |
| Queen = 3,453' |
| Penrose = 3,615' |
| Grayburg = 3,750' |
| San Andres = 4,102' |
| Glorieta = 5,174' |
| Paddock = 5,216' |
| Blinebry = 5,620' |
| Blinebry marker = 5,695' |
| Tubb = 6,057' |
| Tubb marker = 6,157' |
| Drinkard = 6,484' |
| <i>Drinkard injection interval = 6,568' - 6,704'</i> |
| Abo = 6,740' |
| TD = 6,773' |

One fresh water well (CP 00554) is within a mile radius (3,732' southeast of WBDU 36). The 80' deep well with an electric pump was dry during January 7, 2014, June 18, 2015, and July 21, 2015 field inspections. A neighbor, Gary Deck, confirmed the well's lack of water. Mr. Deck lives in Section 9. A Google Earth air

photo shows a stock pond 500' northeast of the now dry well that held water on May 27, 2004. The air photos do not show water on July 15, 2004; July 30, 2005; August 14, 2009, August 21, 2011; November 14, 2011; and February 12, 2014. No other water well was found within a mile during the inspections.

Samples (analyses are in Exhibit G) were collected from wells in Sections 4 and 5. The wells are not in the State Engineer's database. Depth is likely in the Quaternary. The Ogallala is 1-1/2 mile northeast.

No existing underground drinking water sources are below the injection interval within a mile radius.

There will be >5,200' of vertical separation and 1,369' of salt and anhydrite between the bottom of the only likely underground fresh water source and the top of the injection interval. Produced water is currently being injected (192 wells) or disposed (9 wells) into the Blinebry-Tubb-Drinkard, San Andres, Grayburg, Queen, Seven Rivers, and Yates within T. 21 S., R. 37 E.

IX. The well was stimulated with 10,000 gallons of 15% acid and 1,500 pounds of rock salt on February 17, 2014.

X. Gamma ray and neutron logs were run in 1948. Radial cement bond gamma ray/CCL logs were run in 2014. Both sets of logs are on file with NMOCD.

XI. No fresh water well is within a mile. Analyses from wells that are 1.56 and 1.67 miles away are attached (Exhibit G).

XII. Apache 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 >100 miles west and southwest (Exhibit H). There are 155 active Drinkard injection wells in New Mexico. Previously approved water flood expansions (WFX-) in the unit include 854, 857, 913, 921, 922, 923, and 924. Order R-12981 et al approved injection into three zones in this well.

APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 36
1980' FSL & 1980' FWL
SEC. 9, T. 21 S., R. 37 E.
LEA COUNTY, NM

PAGE 12

30-025-09908

While the Blinebry and Drinkard were perforated within 1 year of the order, injection did not start until 1 year after the order was issued. The Blinebry has since been isolated behind a cemented liner.

XIII. A legal ad (see Exhibit I) was published on August 26, 2015. Notice (this application) has been sent (Exhibit J) to the surface owner (Deck Millard Est 4193), the offset Drinkard operators (only Apache), and other lessee or leasehold operating rights holders (Chevron USA, ConocoPhillips, Barbara Hannifin, Mark Hannifin, Patrick Hannifin, Robert Hannifin, John H. Hendrix Corp., Lanexco, Robert Lansford, NM Co. Inc., NM State Land Office, Occidental Permian Ltd., Oxy USA, Penroc Oil Corp., and Tommy Phipps).

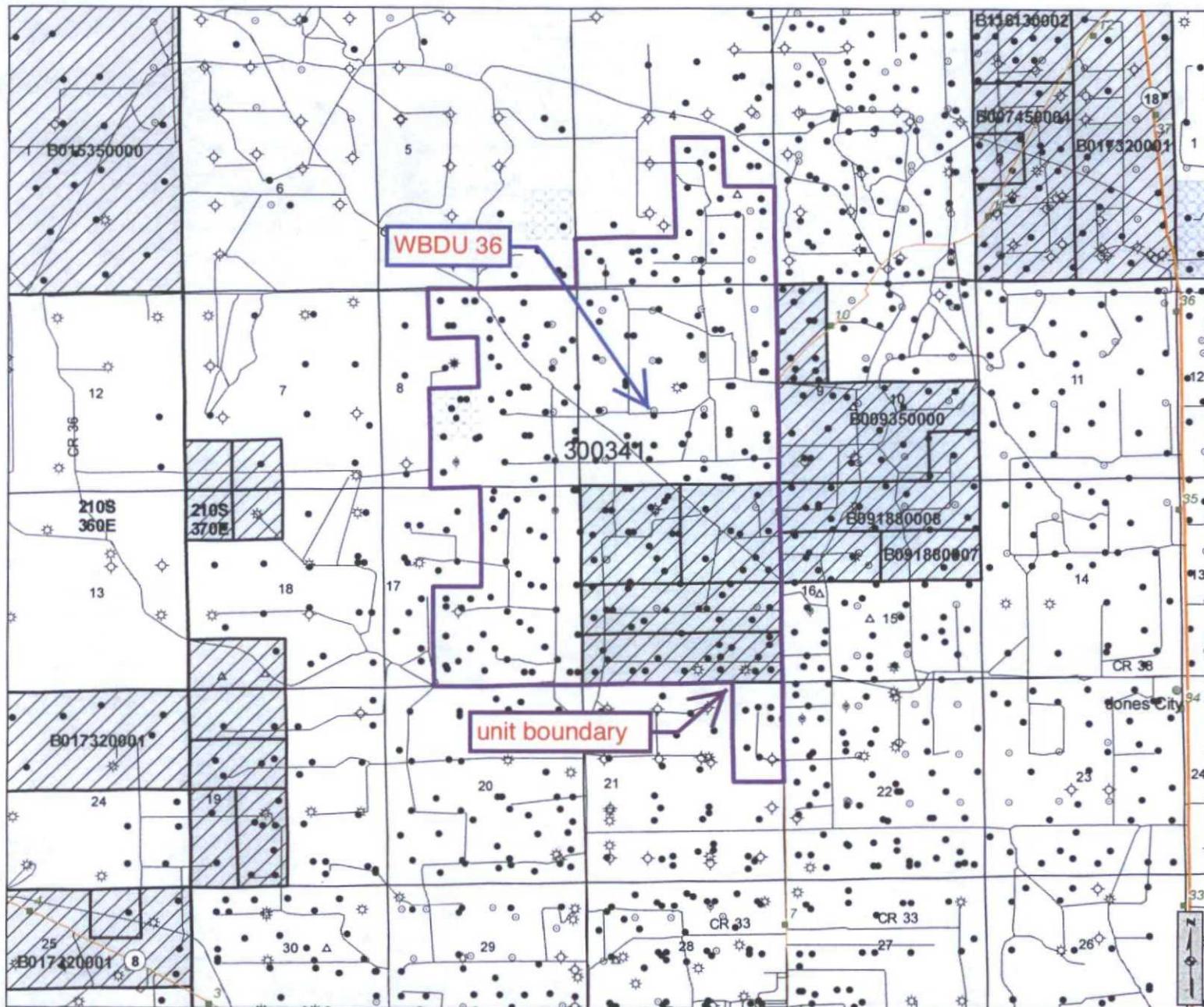
APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 36
1980' FSL & 1980' FWL
SEC. 9, T. 21 S., R. 37 E.
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PAGE 12

30-025-09908

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- Cartographic Features**
- County Boundaries
 - County Seats
 - City, Town or Village
 - SLO District Offices
 - SLO District Boundary
 - Hwy Mileposts
 - Interstate
 - US Hwy
 - NM Hwy
 - Local Road
 - Continental Divide
- Federal Minerals Ownership**
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 - Oil, Gas and Coal Only
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- State Trust Lands**
- Surface Estate
 - Subsurface Estate
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- State Leases**
- Oil and Gas Leases
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 - Minerals Leases
 - Not Available for Oil and Gas Leasing
 - Oil and Gas Leasing Influenced by Restriction
- Oil and Gas Related Features**
- Oil and Gas Unit Boundary
 - Participating Areas in Units
 - Geologic Regions
 - Volcanic Vents
 - NMOCD Order R-111-P Potash Enclave Outline
- NMOCD Oil and Gas Wells**
- CO₂
 - Gas
 - Injection
 - Miscellaneous
 - Oil
 - Salt Water Disposal
 - Water
 - DA or PA

New Mexico State Land Office

Oil, Gas and Minerals

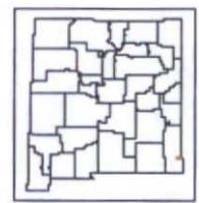
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Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT A

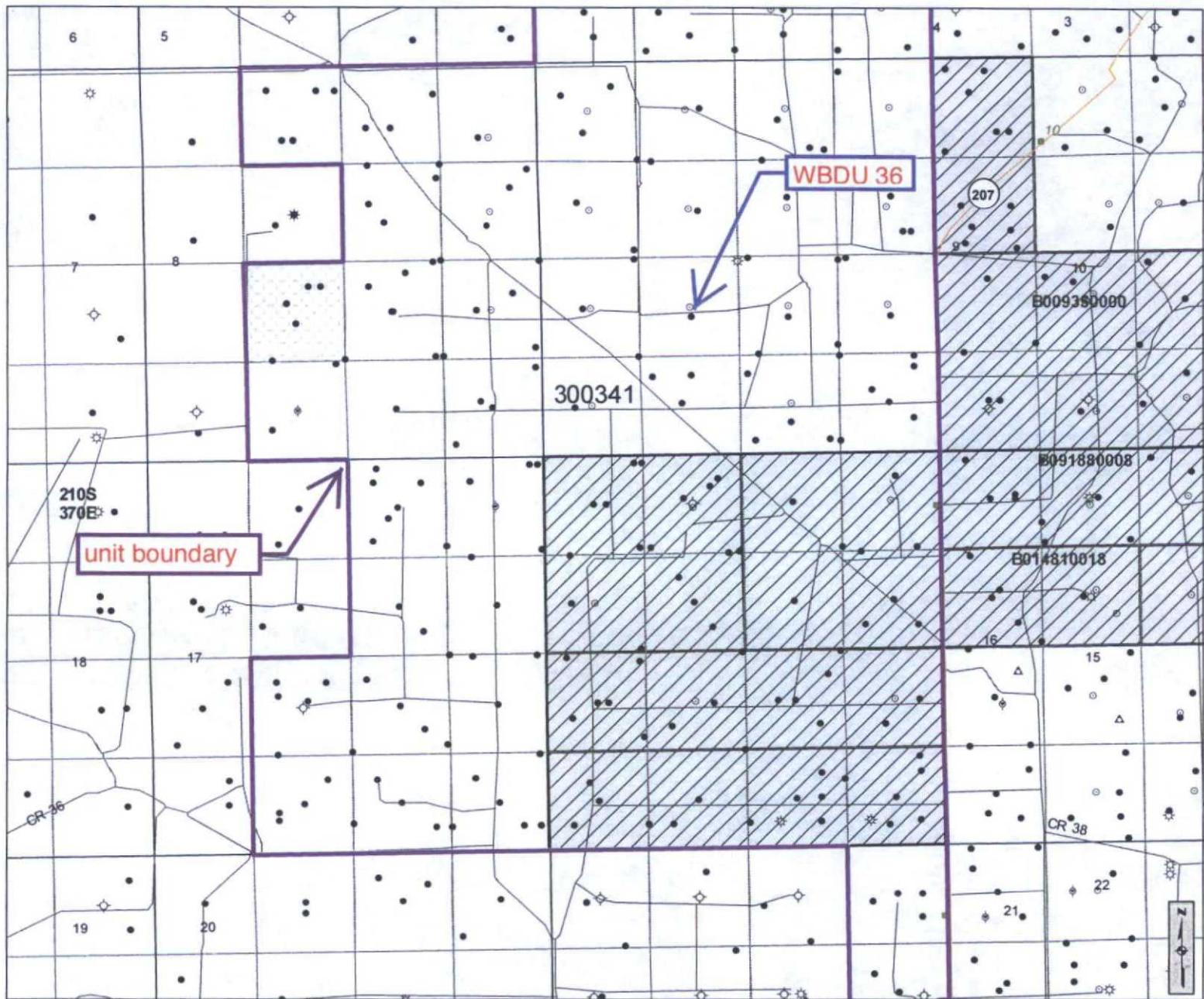
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www.nmstatelands.org

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- Cartographic Features**
- [-] County Boundaries
 - County Seats
 - ⊙ City, Town or Village
 - ▲ SLO District Offices
 - SLO District Boundary
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 - ⊙ Gas
 - ⊙ Injection
 - ⊙ Miscellaneous
 - Oil
 - ▲ Salt Water Disposal
 - ⊙ Water
 - ◇ DA or PA

New Mexico State Land Office

Oil, Gas and Minerals

0 0.050.1 0.2 0.3 0.4 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT A

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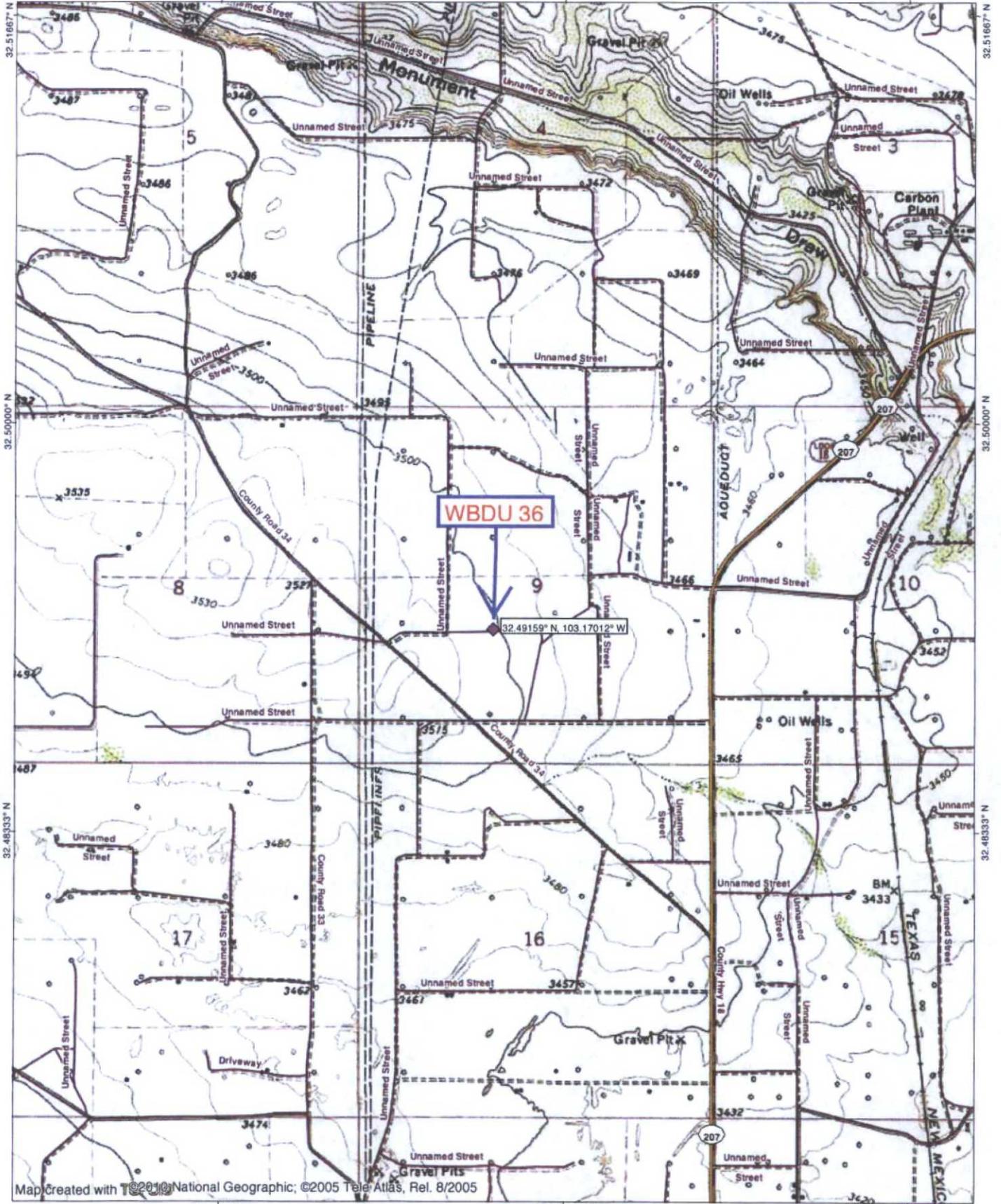


www.nmstatelands.org

103.18333° W

103.16667° W

WGS84 103.15000° W



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

103.18333° W

103.16667° W

WGS84 103.15000° W

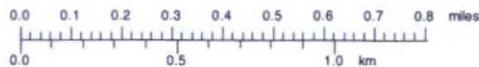


EXHIBIT A

TN & MN

7°

07/18/15

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat

Date 9-27-55

Continental Block E-9 5
Operator Lease Well No.

Name of Producing Formation Tubb Pool Tubb

No. Acres Dedicated to the Well 1.00

SECTION 9 TOWNSHIP 21S RANGE 37E

| | | | |
|-----|-----|--|-----------|
| | | | |
| | | | |
| • 4 | ☀ 5 | | |
| • 9 | ☀ 6 | | EXHIBIT A |

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name _____
Position District Superintendent
Representing Continental Oil Co.
Address Box 68, Dunlap, New Mex.

(over)

District I
1625 N. French Drive, Hobbs, NM 88240

Energy, Minerals and Natural Resources Department

Revised October 18, 1994

District II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

Instruction on Back
Submit to Appropriate District Office

2040 S. Pacheco

State Lease - 4 Copies

Santa Fe, New Mexico 87505

Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

AMENDED REPORT

District IV
2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

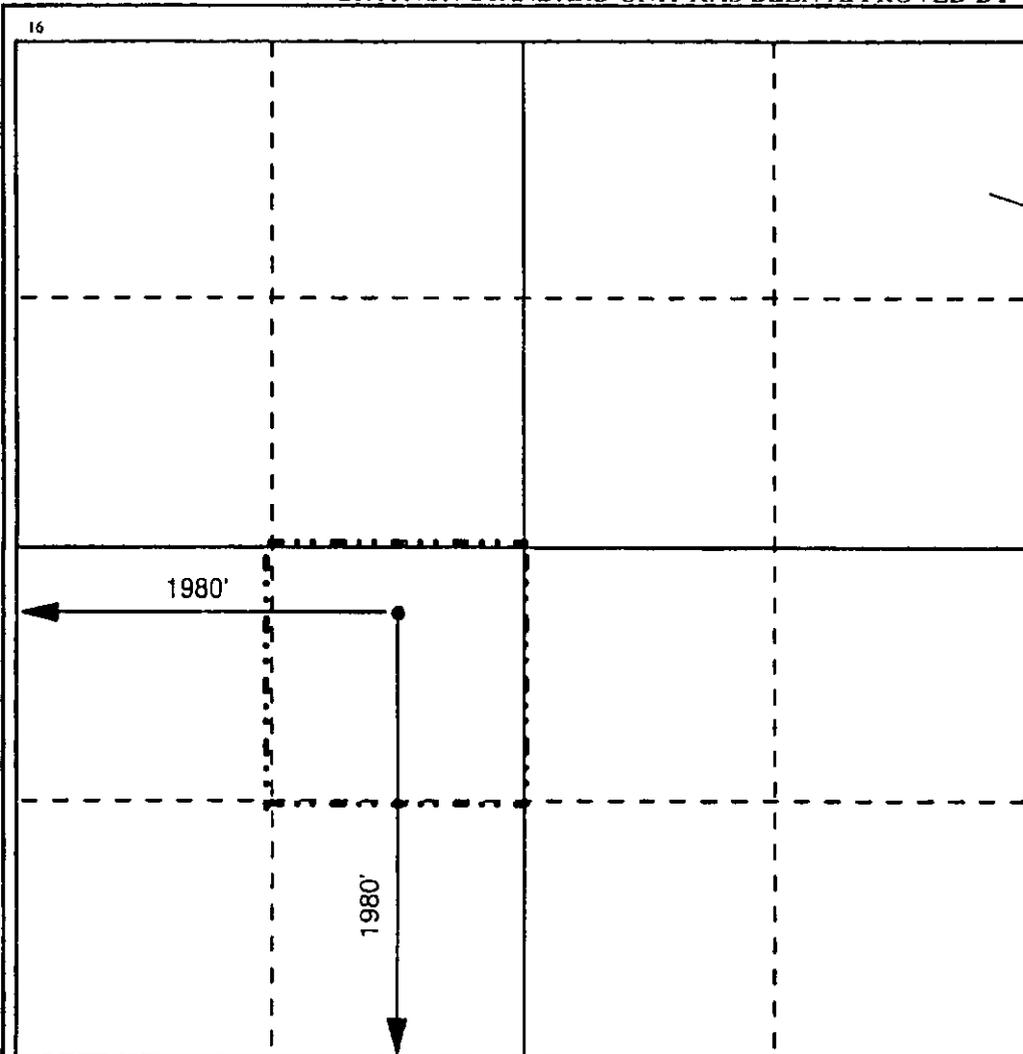
| | | | | | |
|---|--|--|--|--|--------------------------------|
| ¹ API Number 30-025-09908 | | ² Pool Code 06660 | | ³ Pool Name Blinebry Oil & Gas | |
| ⁴ Property Code 24427 | | ⁵ Property Name Hawk B-1 | | | ⁶ Well Number 5 |
| ⁷ OGRID No. 000873 | | ⁸ Operator Name Apache Corporation | | | ⁹ Elevation 3498 |

| ¹⁰ Surface Location | | | | | | | | | |
|--------------------------------|--------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or Lot No. K | Section 9 | Township 21S | Range 37E | Lot Idn | Feet from the 1980 | North/South line South | Feet from the 1980 | East/West line West | County Lea |

| ¹¹ Bottom Hole Location If Different From Surface | | | | | | | | | |
|--|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or Lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |

| | | | |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 40 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁴ Order No. |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Debra J. Anderson*

Printed Name: Debra J. Anderson

Title: Sr. Engineering Technician

Date: 11/27/00

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat 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 belief.

Date Surveyed

Signature and Seal of Professional Surveyor

EXHIBIT A

Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|---|--|--|--|---|--------------------------------|
| ¹ API Number 30-025-09908 | | ² Pool Code 22900 | | ³ Pool Name Eunice; Blinebry-Tubb-Drinkard, North | |
| ⁴ Property Code 24427 | | ⁵ Property Name HAWK B 1 | | | ⁶ Well Number 05 |
| ⁷ OGRID No. 873 | | ⁸ Operator Name Apache Corporation | | | ⁹ Elevation GR |

¹⁰ Surface Location

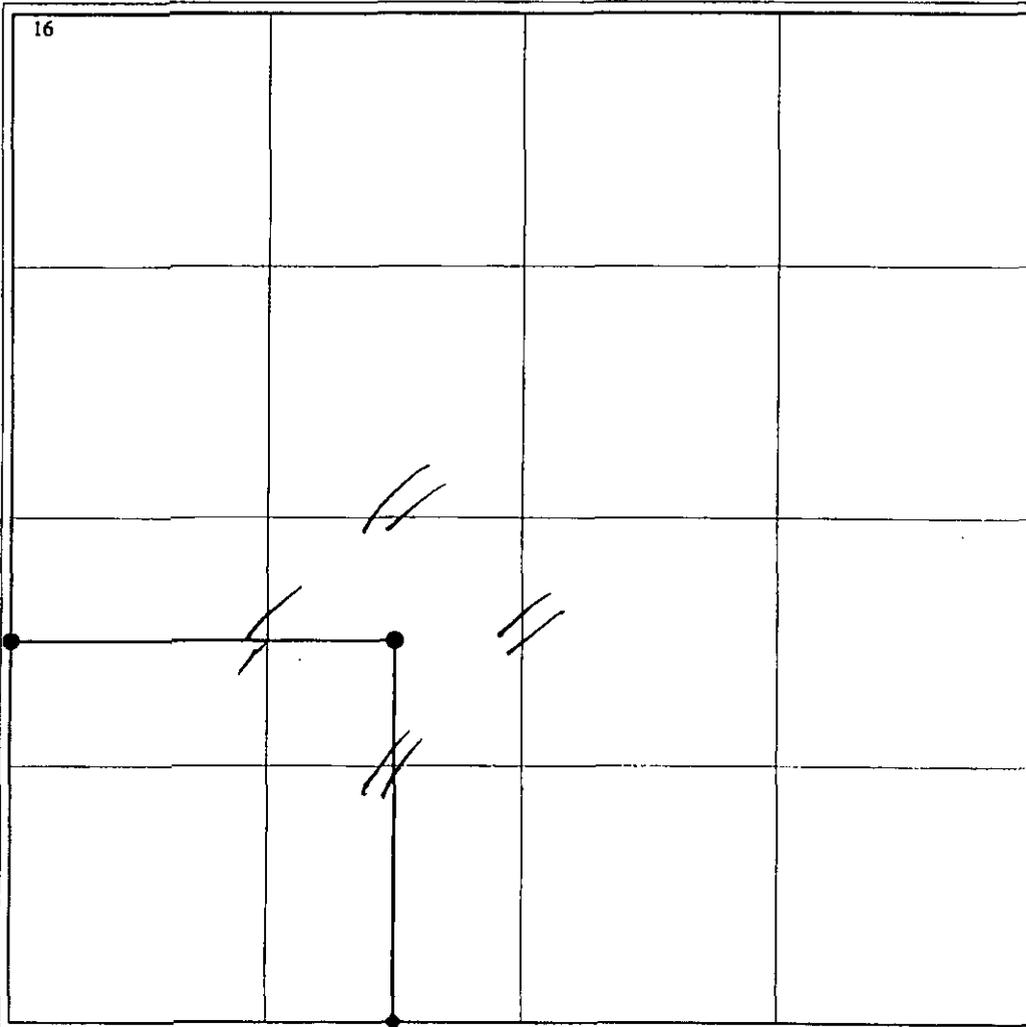
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K | 9 | 21.0S | 37E | | 1980 | S | 1980 | W | Lea |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 40 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Sophie Mackay* Date: 3/23/2007

Printed Name: Sophie Mackay

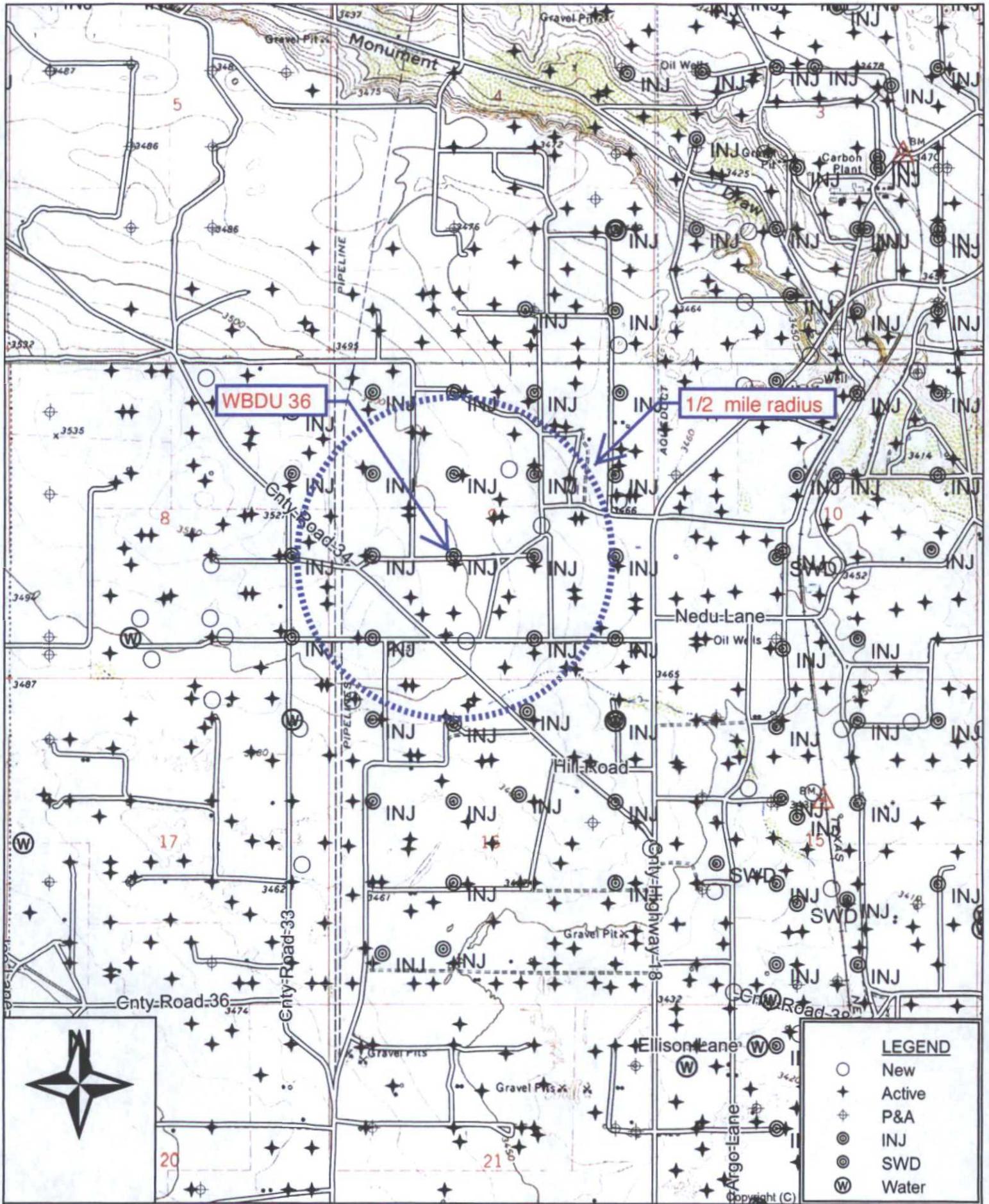
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat 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 belief.

Date of Survey: _____
Signature and Seal of Professional Surveyor: _____

EXHIBIT A

Certificate Number: _____

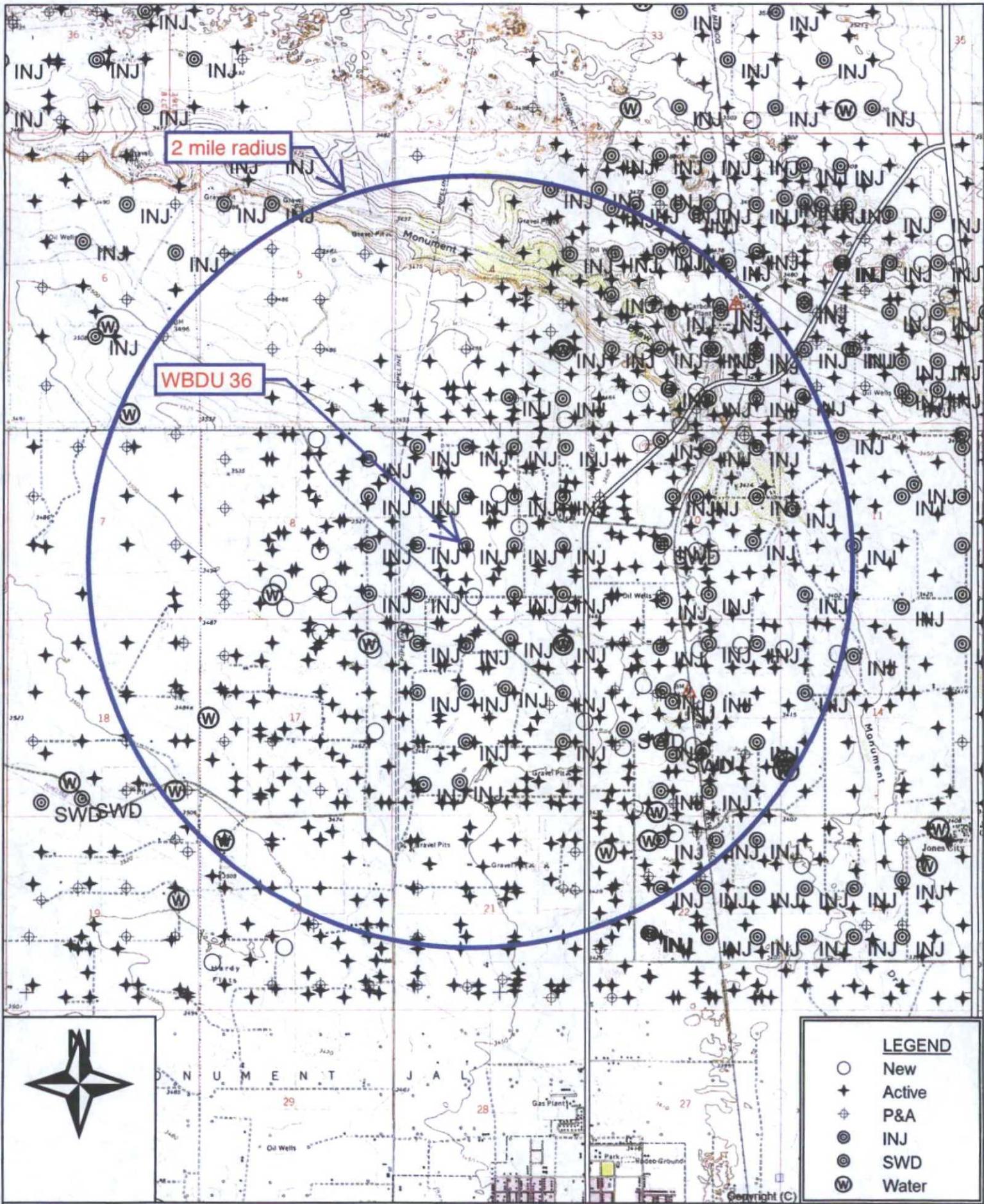


LEGEND

- New
- ✦ Active
- ✦+ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ W Water

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

EXHIBIT B



2 mile radius

WBDU 36

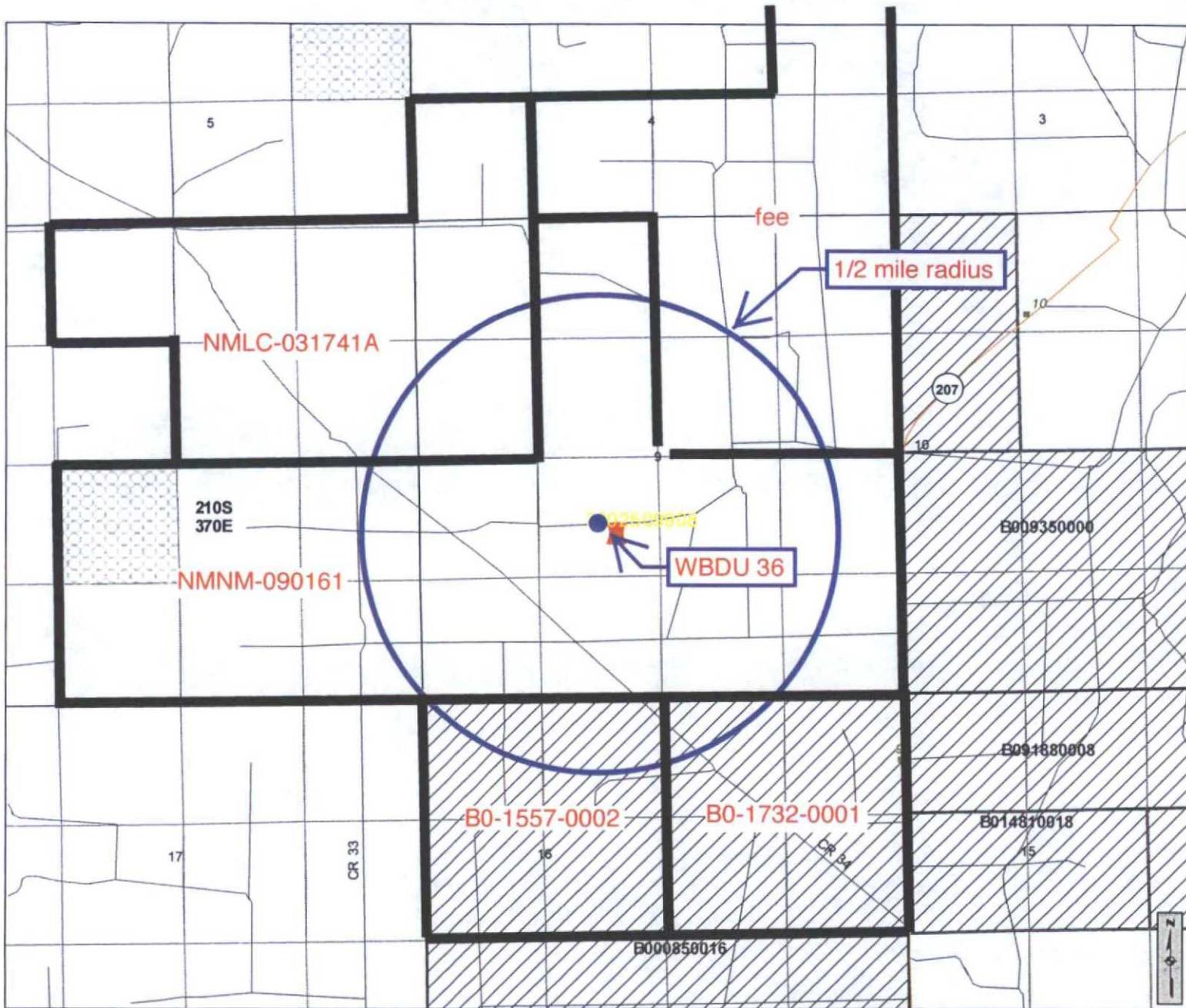


LEGEND

- New
- + Active
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ Water

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

EXHIBIT C



- Cartographic Features**
- - - County Boundaries
 - County Seats
 - City, Town or Village
 - ▲ SLO District Offices
 - SLO District Boundary
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 - Not Available for Oil and Gas Leasing
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 - ★ Volcanic Vents
 - NMOCD Order R-111-P
 - Potash Enclave Outline
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 - Gas
 - Injection
 - Miscellaneous
 - Oil
 - △ Salt Water Disposal
 - ◆ Water
 - ◇ DA or PA

**New Mexico State Land Office
Oil, Gas and Minerals**

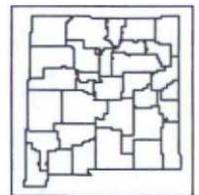
0 0.05 0.1 0.2 0.3 0.4 Miles
 Universal Transverse Mercator Projection, Zone 13
 1983 North American Datum

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Land Office Geographic Information Center
 logic@slo.state.nm.us

Created On: 8/30/2015 11:30:52 AM

EXHIBIT D



www.nmstatelands.org

Sorted by distance from WBDU 36

| WELL | SPUD | TD | POOL | WELL TYPE | HOLE O.D. | CASING O.D. | SET @ | CEMENT | TOC | HOW DETERMINED |
|---------------------|---------|------|---------------------------------|-----------|-----------|-------------|-------|---------|------|---------------------------|
| Hawk Fed B 1 006 | 6/26/48 | 7530 | Eunice Monument; Grayburg-SA | Oil | 17.5 | 13.375 | 220 | 200 sx | GL | circulated |
| 30-025-09907 | | | | | 12.5 | 9.625 | 2779 | 550 sx | 1447 | no report |
| N-9-21s-37e | | | | | 8.75 | 7 | 6680 | 950 sx | 1960 | CBL |
| WBDU 054 | 4/18/07 | 6900 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1320 | 575 sx | GL | circulated to surface |
| 30-025-38200 | | | | | 7.875 | 5.5 | 6900 | 1000 sx | 207 | CBL |
| J-9-21s-37e | | | | | | | | | | |
| WBDU 031 | 3/27/07 | 6945 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1315 | 575 sx | GL | circulated to surface |
| 30-025-38196 | | | | | 7.875 | 5.5 | 6945 | 1150 sx | 230 | CBL |
| E-9-21s-37e | | | | | | | | | | |
| WBDU 045 | 9/16/03 | 6900 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1330 | 600 sx | GL | circulated 67 sx to surf |
| 30-025-36344 | | | | | 7.875 | 5.5 | 6852 | 1200 sx | 130 | CBL |
| N-9-21s-37e | | | | | | | | | | |
| WBDU 049 | 8/23/06 | 6950 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1323 | 550 sx | GL | circulated to surface |
| 30-025-37743 | | | | | 7.875 | 5.5 | 6950 | 1500 sx | 200 | CBL |
| J-9-21s-37e | | | | | | | | | | |
| WBDU 201 | 8/14/14 | 6957 | Eunice; BLI-TU-DR, North | Oil | 11 | 8.625 | 1337 | 450 sx | GL | circulated 74 sx to surf |
| 30-025-41871 | | | | | 7.875 | 5.5 | 6957 | 1330 sx | GL | circulated 250 sx to surf |
| G-9-21s-37e | | | | | | | | | | |
| WBDU 033 | 2/26/48 | 6695 | Eunice; BLI-TU-DR, North | WIW | 17.5 | 13.375 | 200 | 200 sx | GL | circulated |
| 30-025-06438 | | | | | 12.25 | 9.625 | 2789 | 500 sx | 1400 | calculated |
| J-9-21s-37e | | | | | 8.75 | 7 | 6694 | 500 sx | 3434 | temperature survey |

Sorted by distance from WBDU 36

| WELL | SPUD | TD | POOL | WELL TYPE | HOLE O.D. | CASING O.D. | SET @ | CEMENT | TOC | HOW DETERMINED- |
|--------------|---------|------|--------------------------|-----------|-----------|-------------|-------|---------|------|-----------------------|
| WBDU 032 | 10/6/47 | 6786 | Eunice; BLI-TU-DR, North | WIW | 17.5 | 13.375 | 224 | 200 sx | GL | circulated |
| 30-025-06437 | | | | | 12.25 | 9.625 | 2790 | 200 sx | 1628 | calculated |
| F-9-21s-37e | | | | | 8.75 | 7 | 6674 | 500 sx | 3550 | temperature survey |
| WBDU 035 | 7/16/65 | 6707 | Eunice; BLI-TU-DR, North | WIW | 17.5 | 13.375 | 210 | 200 sx | GL | circulated |
| 30-025-09910 | | | | | 12.25 | 9.625 | 2794 | 500 sx | 1806 | returned |
| L-9-21s-37e | | | | | 8.75 | 7 | 6689 | 750 sx | 2675 | temperature survey |
| WBDU 005 | 7/7/47 | 7569 | Wantz; Abo | WIW | 17.25 | 13.375 | 237 | 300 sx | GL | circulated |
| 30-025-06442 | | | | | 12 | 9.625 | 3860 | 1500 sx | 2050 | no report |
| G-9-21s-37e | | | | | 8.75 | 7 | 6684 | 600 sx | 5175 | temperature survey |
| WBDU 038 | 11/4/48 | 6770 | Eunice; BLI-TU-DR, North | WIW | 17 | 13.375 | 212 | 200 sx | GL | circulated to surface |
| 30-025-09906 | | | | | 12.25 | 9.625 | 2794 | 500 sx | 1950 | temperature survey |
| O-9-21s-37e | | | | | 8.75 | 7 | 6767 | 900 sx | 2700 | temperature survey |
| WBDU 039 | 2/14/49 | 6770 | Eunice; BLI-TU-DR, North | WIW | 15 | 13.375 | 200 | 250 sx | GL | circulated to surface |
| 30-025-06441 | | | | | 12.25 | 9.625 | 2824 | 500 sx | 1210 | temperature survey |
| M-9-21s-37e | | | | | 8.75 | 7 | 6769 | 750 sx | 3011 | temperature survey |
| WBDU 021 | 9/28/64 | 6710 | Eunice; BLI-TU-DR, North | WIW | 17.5 | 13.375 | 224 | 200 sx | GL | circulated |
| 30-025-06440 | | | | | 12.25 | 9.625 | 2799 | 550 sx | 350 | calculated |
| E-9-21s-37e | | | | | 8.75 | 7 | 6684 | 550 sx | 3850 | temperature survey |
| WBDU 051 | 3/6/07 | 6837 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1307 | 575 sx | GL | circulated to surface |
| 30-025-38197 | | | | | 7.875 | 5.5 | 6895 | 1150 sx | 227 | CBL |
| O-9-21s-37e | | | | | | | | | | |

Sorted by distance from WBDU 36

| WELL | SPUD | TD | POOL | WELL TYPE | HOLE O.D. | CASING O.D. | SET @ | CEMENT | TOC | HOW DETERMINED- |
|--------------|----------|------|--------------------------|-----------|-----------|-------------|-------|---------|-----|--------------------------|
| WBDU 050 | 9/8/06 | 6875 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1288 | 600 sx | GL | circulated to surface |
| 30-025-37744 | | | | | 7.875 | 5.5 | 6875 | 1625 sx | 590 | CBL |
| J-9-21s-37e | | | | | | | | | | |
| WBDU 029 | 1/18/07 | 6965 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1267 | 600 sx | GL | circulated to surface |
| 30-025-38194 | | | | | 7.875 | 5.5 | 6965 | 1600 sx | 357 | CBL |
| D-9-21s-37e | | | | | | | | | | |
| WBDU 055 | 10/27/06 | 6975 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1290 | 600 sx | GL | circulated to surface |
| 30-025-38521 | | | | | 7.875 | 5.5 | 6975 | 1250 sx | 700 | CBL |
| I-8-21s-37e | | | | | | | | | | |
| WBDU 048 | 7/23/06 | 6950 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1330 | 612 sx | GL | circulated to surface |
| 30-025-37742 | | | | | 7.875 | 5.5 | 6950 | 1100 sx | 195 | CBL |
| I-8-21s-37e | | | | | | | | | | |
| WBDU 053 | 2/16/07 | 6885 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1309 | 600 sx | GL | circulated to surface |
| 30-025-38199 | | | | | 7.875 | 5.5 | 6885 | 1100 sx | 170 | CBL |
| I-9-21s-37e | | | | | | | | | | |
| WBDU 014 | 2/16/05 | 6900 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1216 | 575 sx | GL | circulated 116 sx to pit |
| 30-025-37030 | | | | | 7.875 | 5.5 | 6900 | 1100 sx | 250 | CBL |
| G-9-21s-37e | | | | | | | | | | |
| WBDU 063 | 4/5/07 | 6845 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1286 | 575 sx | GL | circulated |
| 30-025-38267 | | | | | 7.875 | 5.5 | 6845 | 1600 sx | GL | CBL |
| D-16-21s-37e | | | | | | | | | | |

Sorted by distance from WBDU 36

| WELL | SPUD | TD | POOL | WELL TYPE | HOLE O.D. | CASING O.D. | SET @ | CEMENT | TOC | HOW DETERMINED |
|----------------------|---------|------|--------------------------|-----------|-----------|-------------|-------|---------|------|--------------------------|
| WBDU 202 | 8/25/14 | 6937 | Eunice; BLI-TU-DR, North | Oil | 11 | 8.625 | 1331 | 450 sx | GL | circ 103 sx to surface |
| 30-025-41872 | | | | | 7.875 | 5.5 | 6939 | 1300 sx | GL | circ 140 sx to surface |
| G-9-21s-37e | | | | | | | | | | |
| State C Tract 12 021 | 7/26/05 | 7300 | Wantz; Abo | Oil | 12.25 | 8.625 | 1287 | 600 sx | GL | circulated 116 sx to pit |
| 30-025-37202 | | | | | 7.875 | 5.5 | 7300 | 1400 sx | 390 | CBL |
| C-16-21s-37e | | | | | | | | | | |
| WBDU 052 | 2/2/07 | 6870 | Eunice; BLI-TU-DR, North | Oil | 12.25 | 8.625 | 1296 | 600 sx | GL | circulated to surface |
| 30-025-38198 | | | | | 7.875 | 5.5 | 6870 | 1500 sx | 300 | CBL |
| O-9-21s-37e | | | | | | | | | | |
| WBDU 042 | 4/13/63 | 6780 | Eunice; BLI-TU-DR, North | WIW | 12.25 | 9.625 | 1294 | 450 sx | GL | circulated |
| 30-025-20178 | | | | | 6.75 | 5.5 | 6780 | 680 sx | 2300 | temperature survey |
| I-9-21s-37e | | | | | | | | | | |
| WBDU 034 | 6/1/64 | 6781 | Eunice; BLI-TU-DR, North | WIW | 15.5 | 13 | 206 | 200 sx | GL | circulated |
| 30-025-09909 | | | | | 12.25 | 9.625 | 2779 | 500 sx | 1625 | temperature survey |
| C-9-21s-37e | | | | | 8.75 | 7 | 6781 | 500 sx | 3550 | temperature survey |



New Mexico Office of the State Engineer

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 | POD Sub-Code | basin | County | 64 | 16 | 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|--------------------|--------------|-------|--------|----|----|----|-----|-----|--------|----------|----------|----------|------------|-------------|--------------|
| CP 00554 | | | LE | 2 | 2 | 16 | 21S | 37E | 672744 | 3595610* | 1138 | 80 | 70 | 10 | |
| x 3.28 ft/m | | | | | | | | | | | | | | | |
| CP 00552 | | | LE | 2 | 4 | 04 | 21S | 37E | 672700 | 3598022* | 1795 | 90 | 75 | 15 | |
| CP 00553 | | | LE | 2 | 4 | 04 | 21S | 37E | 672700 | 3598022* | 1795 | 90 | 75 | 15 | |
| CP 01026 POD1 | | | LE | 1 | 1 | 3 | 17 | 21S | 37E | 669809 | 3594958 | 2562 | 167 | 95 | 72 |
| CP 01141 POD2 | | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 | 40 | | |
| CP 01141 POD3 | | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 | 40 | | |
| CP 01141 POD4 | | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 | 45 | | |
| CP 00447 | | | LE | 2 | 4 | 4 | 18 | 21S | 37E | 669647 | 3594451* | 3000 | 95 | | |
| CP 00986 POD1 | | | LE | 4 | 3 | 4 | 06 | 21S | 37E | 669110 | 3597437 | 3000 | 154 | | |
| CP 00676 | | | LE | 4 | 4 | 18 | 21S | 37E | 669548 | 3594352* | 3139 | 140 | 106 | 34 | |
| CP 00895 | | | LE | 1 | 1 | 20 | 21S | 37E | 669957 | 3593956* | 3140 | 163 | | | |
| CP 01185 POD1 | | | LE | 1 | 3 | 14 | 21S | 37E | 674598 | 3594689 | 3174 | 70 | | | |
| CP 01185 POD2 | | | LE | 1 | 3 | 14 | 21S | 37E | 674623 | 3594674 | 3203 | 70 | | | |
| CP 01185 POD3 | | | LE | 1 | 3 | 14 | 21S | 37E | 674592 | 3594620 | 3206 | 70 | | | |

Average Depth to Water: **84 feet**
 Minimum Depth: **70 feet**
 Maximum Depth: **106 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 671926

Northing (Y): 3596402

Radius: 3220

EXHIBIT G

*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.



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

| WR File Nbr | Sub basin | Use | Diversion | Owner | County | POD Number | Code Grant | q q q | | | | X | Y | Distance | | | |
|-------------|-----------|-----|-----------|-----------------------------|--------|---------------|------------------------|---------|------|---|-----|-----|-----|----------|----------|----------|------|
| | | | | | | | | Source | 6416 | 4 | Sec | | | | Tws | Rng | |
| CP 00554 | | STK | 3 | MILLARD DECK | LE | CP 00554 | 1610 m | Shallow | 2 | 2 | 16 | 21S | 37E | 672744 | 3595610* | 1138 | |
| CP 00552 | | STK | 3 | MILLARD DECK | LE | CP 00552 | x 3.28 ft/m 5280 ft | Shallow | 2 | 4 | 04 | 21S | 37E | 672700 | 3598022* | 1795 | |
| CP 00553 | | STK | 3 | MILLARD DECK | LE | CP 00553 | | Shallow | 2 | 4 | 04 | 21S | 37E | 672700 | 3598022* | 1795 | |
| CP 01026 | | DOM | 1 | SAMANTHA KERBO | LE | CP 01026 POD1 | | Shallow | 1 | 1 | 3 | 17 | 21S | 37E | 669809 | 3594958 | 2562 |
| CP 01037 | | EXP | 0 | MCNEILL RANCH | LE | CP 01037 POD1 | | | 2 | 2 | 2 | 10 | 21S | 37E | 674322 | 3597345 | 2575 |
| CP 01141 | | MON | 0 | SOUTHERN UNION GAS SERVICES | LE | CP 01141 POD5 | | | 3 | 4 | 3 | 15 | 21S | 37E | 673514 | 3594253 | 2672 |
| | | | | | LE | CP 01141 POD1 | | | 3 | 4 | 3 | 15 | 21S | 37E | 673530 | 3594263 | 2673 |
| | | | | | LE | CP 01141 POD2 | Shallow | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 | |
| | | | | | LE | CP 01141 POD3 | Shallow | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 | |
| CP 01141 | | MON | 0 | SOUTHERN UNION GAS SERVICES | LE | CP 01141 POD4 | | Shallow | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 2689 |
| | | | | | LE | CP 01141 POD1 | | | 3 | 4 | 3 | 15 | 21S | 37E | 673562 | 3594229 | 2719 |
| CP 01436 | | MON | 0 | APEX TITAN | LE | CP 01436 POD1 | | | 3 | 4 | 3 | 15 | 21S | 37E | 673562 | 3594229 | 2719 |
| CP 00447 | | PDL | 1 | JOE E. SIMS | LE | CP 00447 | | Shallow | 2 | 4 | 4 | 18 | 21S | 37E | 669647 | 3594451* | 3000 |
| CP 00986 | | DOM | 1 | ROBERT MCCASLAND | LE | CP 00986 POD1 | | Shallow | 4 | 3 | 4 | 06 | 21S | 37E | 669110 | 3597437 | 3000 |
| CP 01486 | | DOL | 3 | MCCASLAND RANCH INC | LE | CP 01486 POD1 | NON | | 4 | 2 | 1 | 05 | 21S | 37E | 670332 | 3599085 | 3120 |
| CP 00676 | | DOM | 3 | JOE E. SIMS | LE | CP 00676 | | Shallow | 4 | 4 | 18 | 21S | 37E | 669548 | 3594352* | 3139 | |
| CP 00895 | | DOM | 3 | JOE R. SIMS | LE | CP 00895 | | Shallow | 1 | 1 | 20 | 21S | 37E | 669957 | 3593956* | 3140 | |
| CP 01185 | | MON | 0 | SOUTHERN UNION GAS SERVICES | LE | CP 01185 POD1 | | Shallow | 1 | 3 | 14 | 21S | 37E | 674598 | 3594689 | 3174 | |
| CP 01110 | | MON | 0 | STRAUB CORPORATION | LE | CP 01110 POD1 | | | 1 | 3 | 14 | 21S | 37E | 674585 | 3594648 | 3185 | |

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

*UTM location was derived from PLSS - see Help



(R=POD has been replaced
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

| WR File Nbr | Sub basin | Use | Diversion | Owner | County | POD Number | Code Grant | Source | q q q | | | | X | Y | Distance | | | |
|-----------------|-----------|-----|-----------|-------------------------------|--------|------------|-----------------|--------|---------|---|-----|-----|-----|-----|----------|---------|---------|------|
| | | | | | | | | | 6416 | 4 | Sec | Tws | | | | Rng | | |
| | | | | | | LE | <u>CP 01110</u> | POD2 | | 1 | 3 | 14 | 21S | 37E | 674585 | 3594648 | 3185 | |
| | | | | | | LE | <u>CP 01110</u> | POD3 | | 1 | 3 | 14 | 21S | 37E | 674585 | 3594648 | 3185 | |
| | | | | | | LE | <u>CP 01110</u> | POD4 | | 1 | 3 | 14 | 21S | 37E | 674585 | 3594648 | 3185 | |
| | | | | | | LE | <u>CP 01110</u> | POD5 | | 1 | 3 | 14 | 21S | 37E | 674585 | 3594648 | 3185 | |
| <u>CP 01185</u> | | MON | | 0 SOUTHERN UNION GAS SERVICES | | LE | <u>CP 01185</u> | POD2 | Shallow | 1 | 3 | 14 | 21S | 37E | 674623 | 3594674 | 3203 | |
| | | | | | | LE | <u>CP 01185</u> | POD3 | Shallow | 1 | 3 | 14 | 21S | 37E | 674592 | 3594620 | 3206 | |
| <u>CP 01121</u> | | EXP | | 0 SOUTHERN UNION GAS SERVICES | | LE | <u>CP 01121</u> | POD1 | | 3 | 1 | 3 | 14 | 21S | 37E | 674605 | 3594639 | 3207 |
| <u>L 12639</u> | L | CLS | | 0 SOUTHERN UNION GAS SERVICES | | LE | <u>L 12639</u> | POD1 | C | 3 | 1 | 3 | 14 | 21S | 37E | 674605 | 3594639 | 3207 |

Record Count: 26

UTMNAD83 Radius Search (In meters):

Easting (X): 671926

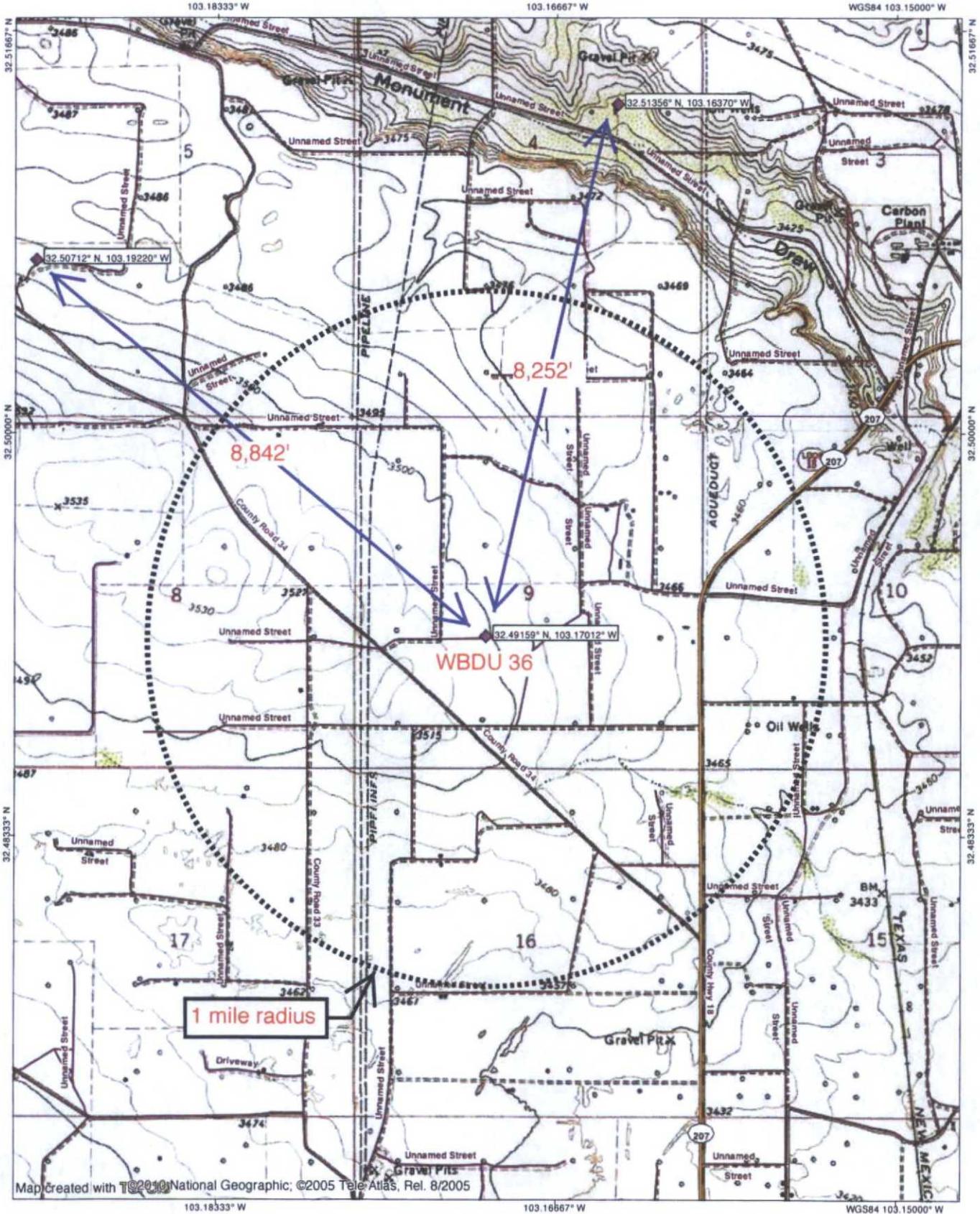
Northing (Y): 3596402

Radius: 3220

Sorted by: Distance

EXHIBIT G

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.



Map Created with Topographic National Geographic; ©2005 Tele Atlas, Rel. 8/2005



EXHIBIT G



Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West

Client Sample ID: A-WBDU-Sec 4

Project: Apache WBDV36

Collection Date: 7/21/2015 8:49:00 AM

Lab ID: 1507A44-001

Matrix: AQUEOUS

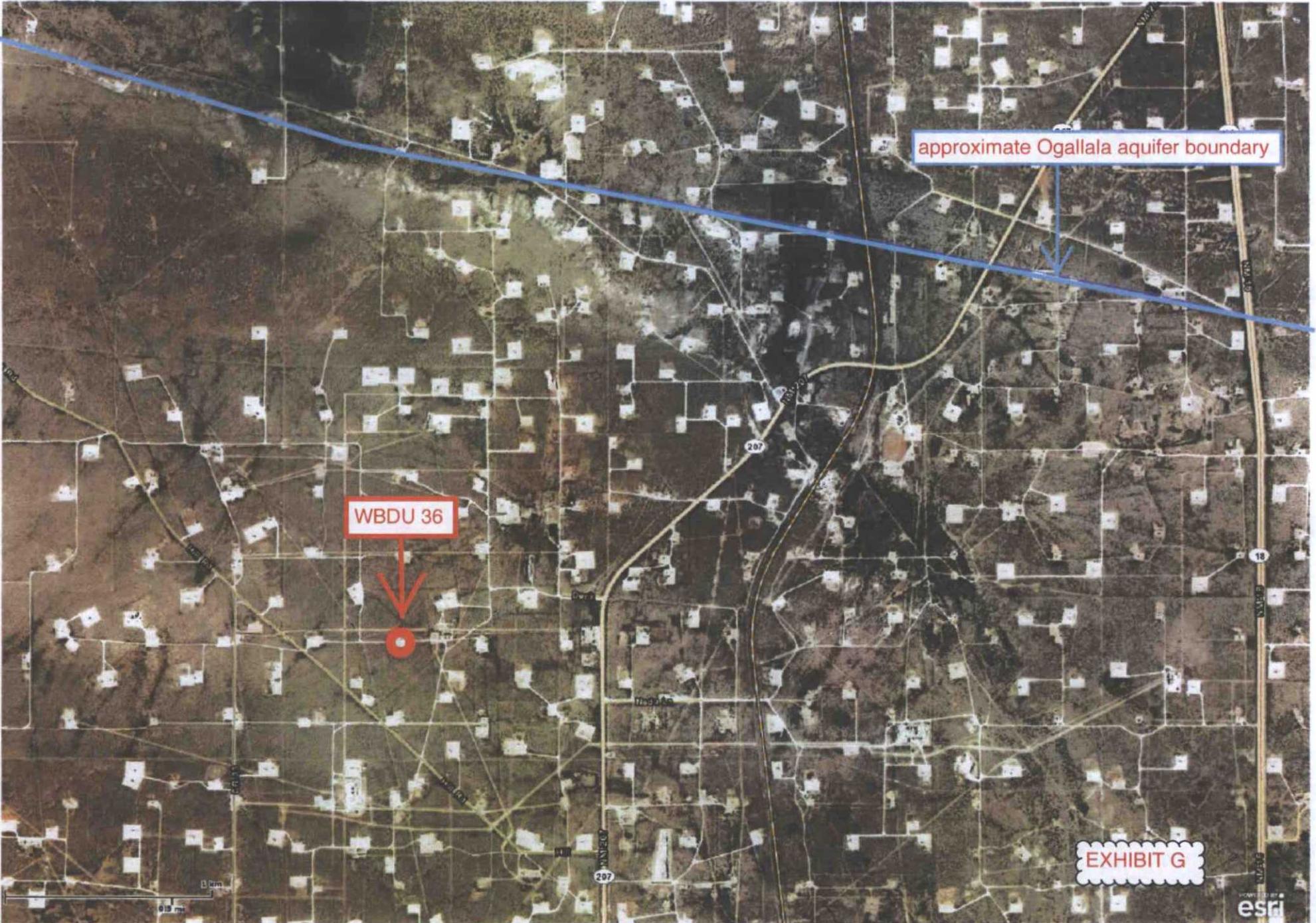
Received Date: 7/22/2015 1:06:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 1664A | | | | | | | Analyst: MRA |
| N-Hexane Extractable Material | ND | 9.8 | | mg/L | 1 | 7/23/2015 | 20400 |
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 180 | 50 | | mg/L | 100 | 7/24/2015 1:04:03 AM | R27720 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 1000 | 20.0 | * | mg/L | 1 | 7/27/2015 11:49:00 AM | 20433 |

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 |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | |

EXHIBIT G



approximate Ogallala aquifer boundary

WBDU 36

EXHIBIT G

esri



Geologic Hazards Science Center

EHP Quaternary Faults

Search for fault: Select a state or region map: :

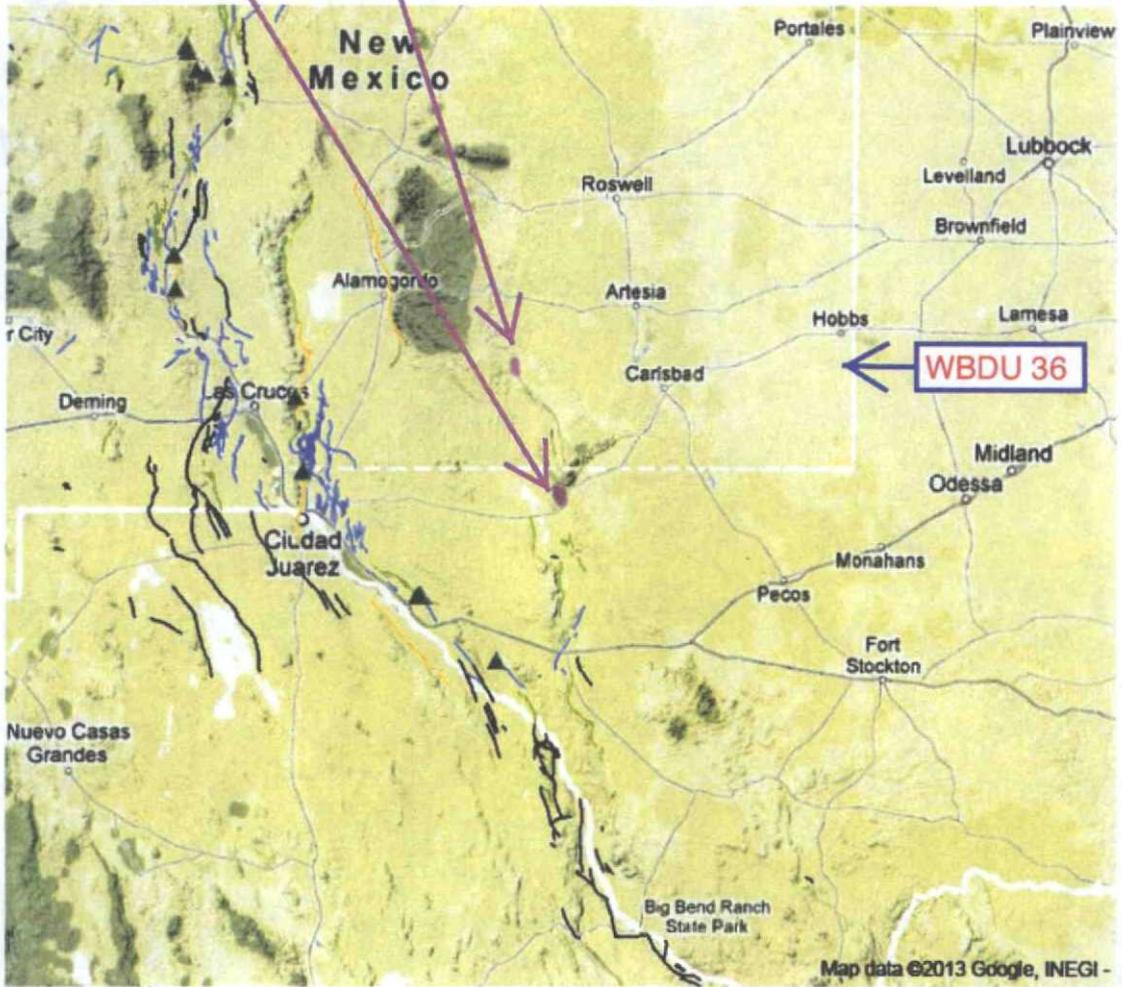


EXHIBIT H

Affidavit of Publication

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
August 26, 2015
and ending with the issue dated
August 26, 2015.



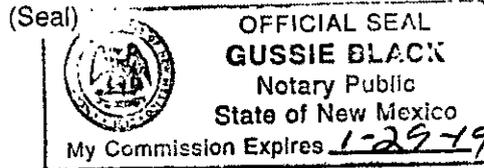
Publisher

Sworn and subscribed to before me this
26th day of August 2015.

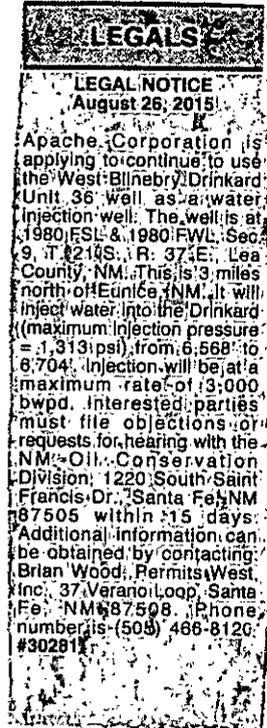


Business Manager

My commission expires
January 29, 2019



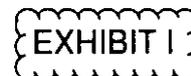
This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said



02108485

00161891

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

September 2, 2015

BLM
 620 E. Greene Street
 Carlsbad NM 88220

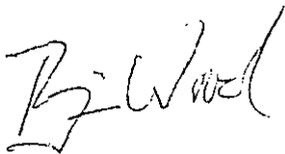
Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: West Blinebry Drinkard Unit 36 (BLM lease) TD = 6,773'
Proposed Injection Zone: Drinkard from 6,568' to 6,704'
Location: 1980' FSL & 1980' FWL Sec. 9, T. 21 S., R. 37 E.
Approximate Location: 3 air miles north 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. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

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SEP 3 2015

87552

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|---|----|--|
| Postage | \$ | |
| Certified Fee | | |
| Return Receipt Fee (Endorsement Required) | | |
| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ | |

Sent To **BLM**
 Street & Apt. No., **620 E. Greene Street**
 or PO Box No. **Carlsbad NM 88220**
 City, State, ZIP+4 **Apache WBDU 36**

EXHIBIT J

7014 3490 0001 7112 0700



September 2, 2015

Chevron USA
PO Box 1635
Houston TX 77251

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Applicant Name: Apache Corporation (432) 818-1062
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

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SEP 3 2015

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 Restricted Delivery Fee (Endorsement Required): _____
 Total Postage & Fees: \$ _____

Postmark Here

Send To: **Chevron USA**
 Street & Apt. No., PO Box 1635
 or PO Box No. Houston TX 77251
 City, State, ZIP+4 Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions



September 2, 2015

Chevron USA
1400 Smith
Houston TX 77002

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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

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Please call me if you have any questions.

Sincerely,

Brian Wood

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SEP 3 2015

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 Certified Fee: _____
 Return Receipt Fee (Endorsement Required): 87652
 Restricted Delivery Fee (Endorsement Required): _____
 Total Postage & Fees: \$ _____

Postmark Here

Send To: **Chevron USA**
 Street & Apt. No., 1400 Smith
 or PO Box No. Houston TX 77002
 City, State, ZIP+4 Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions



September 2, 2015

NM State Land Office
PO Box 1148
Santa Fe NM 87504

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Approximate Location: 3 air miles north 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. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

7014 3490 0001 7112 0691

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|--|----------------|
| Postage | \$ 1.85 |
| Certified Fee | \$ 3.25 |
| Return Receipt Fee (Endorsement Required) | \$ 2.85 |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ 8.11 |

Sent To
 Street & Apt. No., PO Box 1148
 or PO Box No. Santa Fe NM 87504
 City, State, ZIP+4 Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions



September 2, 2015

Conoco Phillips
PO Box 7500
Bartlesville OK 74005

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

7014 3490 0001 7112 0738

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Sent To
 Street & Apt. No., PO Box 7500
 or PO Box No. Bartlesville OK 74005
 City, State, ZIP+4 Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions

EXHIBIT J



September 2, 2015

Barbara Hannifin
PO Box 182
Roswell NM 88202

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: West Blinebry Drinkard Unit 36 (BLM lease) TD = 6,773'
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Location: 1980' FSL & 1980' FWL Sec. 9, T. 21 S., R. 37 E.
Approximate Location: 3 air miles north 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. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

| | |
|--|---|
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| Restricted Delivery Fee (Endorsement Required) | 87652 |
| Total Postage & Fees | \$ |
| Sent To | Barbara Hannifin PO Box 182 Roswell NM 88202 City, State, ZIP+4 Apache WBDU 36 |



September 2, 2015

Mark Hannifin
PO Box 11182
Midland TX 79702

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

| | |
|--|--|
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| Total Postage & Fees | \$ |
| Sent To | Mark Hannifin PO Box 11182 Midland TX 79702 City, State, ZIP+4 Apache WBDU 36 |



September 2, 2015

Robert Hannifin
PO Box 218
Midland TX 79702

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J



September 2, 2015

Patrick Hannifin
765 Santa Camelia Drive
Salona Beach CA 92075

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Please call me if you have any questions.

Sincerely,

Brian Wood



September 2, 2015

Lanexco Inc.
PO Box 2730
Midland TX 79702

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

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Total Postage & Fees \$ 87652

PECOB 710
SEP 3 2015
87652

Sent To
Lanexco Inc.
PO Box 2730
Midland TX 79702
Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions



September 2, 2015

John H. Hendrix Corp
110 N. Marienfeld, Suite 400
Midland TX 79701

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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Total Postage & Fees \$ _____

SEP 3 2015
87652

Sent To
John H. Hendrix Corp
110 N. Marienfeld, Suite 400
Midland TX 79701
Apache WBDU 36

PS Form 3800, July 2014 See Reverse for Instructions



September 2, 2015

Robert Lansford
606 Abo
Hobbs NM 88240

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

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| Sent To | Robert Lansford |
| Street & Apt. No. or PO Box No. | 606 Abo |
| City, State, ZIP+4 | Hobbs NM 88240 |
| | Apache WBDU 36 |
| PS Form 3800, July 2014 | |



September 2, 2015

NM Co. Inc.
PO Box 2479
Midland TX 79702

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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|--|------------------|
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| Restricted Delivery Fee (Endorsement Required) | 87652 |
| Total Postage & Fees | \$ |
| Sent To | NM Co. Inc. |
| Street & Apt. No. or PO Box No. | PO Box 2479 |
| City, State, ZIP+4 | Midland TX 79702 |
| | Apache WBDU 36 |
| PS Form 3800, July 2014 | |



September 2, 2015

Oxy USA WTP LP
8 Desta Dr., #6000
Midland TX 79705

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

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Restricted Delivery Fee (Endorsement Required) \$
Total Postage & Fees \$

Sent to
Oxy USA WTP LP
8 Desta Dr., #6000
Midland TX 79705
Apache WBDU 36

SEP 3 2015
87682

7014 0001 412 0637
0001 7112 0637
1000 0616 4120



September 2, 2015

Occidental Permian Ltd.
PO Box 4294
Houston TX 77210

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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Restricted Delivery Fee (Endorsement Required) \$
Total Postage & Fees \$

Sent to
Occidental Permian Ltd.
PO Box 4294
Houston TX 77210
Apache WBDU 36

SEP 3 2015
87682

7014 0001 412 0637
0001 7112 0637
1000 0616 4120



September 2, 2015

Penroc Oil Corp.
PO Box 2769
Hobbs NM 88241

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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EXHIBIT J

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| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | 87852 |
| Total Postage & Fees \$ | |
| Sent to | Penroc Oil Corp. |
| Street & Apt. No., or PO Box No. | PO Box 2769 |
| City, State, ZIP+4 | Hobbs NM 88241 |
| | Apache WBDU 36 |



September 2, 2015

Tommy Phipps
PO Box 11090
Midland TX 79702

Apache Corporation is applying (see attached application) to continue to use its West Blinbery Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Brian Wood

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| Sent to | Tommy Phipps |
| Street & Apt. No., or PO Box No. | PO Box 11090 |
| City, State, ZIP+4 | Midland TX 79702 |
| | Apache WBDU 36 |

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

October 6, 2015

Deck Millard Est 4193
 3903 Bellaire Blvd.
 Houston TX 77025

Apache Corporation is applying (see attached application) to continue to use its West Blinebry Drinkard Unit 36 well as a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following water injection well in Lea County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Sincerely,

Brian Wood
 Brian Wood

7015 0640 0000 9161 7609

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Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$ *8.11*

QUICKSEND CPU
 SANTA FE, NM
 87508
 Here
 OCT 06 2015
 USPS

Sent To *Deck Millard*
 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

EXHIBIT J



New Mexico Office of the State Engineer

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 | POD Sub-Code | basin | County | Q | Q | Q | Sec | Tws | Range | X | Y | Depth Well | Depth Water | Water Column |
|------------|--------------|-------|--------|---|---|----|-----|-----|-------|--------|----------|------------|-------------|--------------|
| CP 00554 | | | LE | 2 | 2 | 16 | 21S | 37E | | 672744 | 3595610* | 80 | 70 | 10 |
| CP 01026 | POD1 | | LE | 1 | 1 | 3 | 17 | 21S | 37E | 669809 | 3594958 | 167 | 95 | 72 |
| CP 01141 | POD2 | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 40 | | |
| CP 01141 | POD3 | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 40 | | |
| CP 01141 | POD4 | | LE | 3 | 4 | 3 | 15 | 21S | 37E | 673541 | 3594250 | 45 | | |

Average Depth to Water: **82 feet**

Minimum Depth: **70 feet**

Maximum Depth: **95 feet**

Record Count: 5

PLSS Search:

Section(s): 15-17

Township: 21S

Range: 37E

*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.



New Mexico Office of the State Engineer

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

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

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 1 | Q 2 | Q 3 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---------------|--------------|-------|--------|-----|-----|-----|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| CP 00162 | | | LE | 1 | 4 | 2 | 09 | 21S | 37E | | 672621 | 3596915* | 120 | | |
| CP 00163 | | | LE | 1 | 4 | 2 | 09 | 21S | 37E | | 672621 | 3596915* | 120 | | |
| CP 00552 | | | LE | | 2 | 4 | 04 | 21S | 37E | | 672700 | 3598022* | 90 | 75 | 15 |
| CP 00553 | | | LE | | 2 | 4 | 04 | 21S | 37E | | 672700 | 3598022* | 90 | 75 | 15 |
| CP 00877 | | | LE | | | | 06 | 21S | 37E | | 668920 | 3598153* | 150 | 73 | 77 |
| CP 00986 POD1 | | | LE | 4 | 3 | 4 | 06 | 21S | 37E | | 669110 | 3597437 | 154 | | |

Average Depth to Water: **74 feet**

Minimum Depth: **73 feet**

Maximum Depth: **75 feet**

Record Count: 6

PLSS Search:

Section(s): 3-9

Township: 21S

Range: 37E

*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.



ORDER TYPE: (WFX) PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: 12-12581

Well No. 36 Well Name(s): West Blinley Drink and Unit

API: 30-0 25-09908 Spud Date: 5-14-48 New or Old: 0 (UIC Class II Primacy 03/07/1982)

Footages 1980 FSL Lot _____ or Unit K Sec 9 Tsp 21 Rge 37E County Leq

General Location: 3.3 miles N/E UNICE Pool: _____ Pool No.: _____

BLM 100K Map: JAI Operator: Apache Corp OGRID: _____ Contact: _____

COMPLIANCE RULE 5.9: Total Wells: _____ Inactive: _____ Fincl Assur: _____ Compl. Order? _____ IS 5.9 OK? _____ Date: _____

WELL FILE REVIEWED Current Status: injector Blinley Drink and

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: _____

Planned Rehab Work to Well: _____

| Well Construction Details | Sizes (in) Borehole / Pipe | Setting Depths (ft) | Cement Sx or Cf | Cement Top and Determination Method |
|---|-------------------------------|------------------------|--------------------------|--|
| Planned ___ or Existing ___ Surface | <u>12 3/4 / 5 7/8</u> | | | |
| Planned ___ or Existing ___ Interm/Prod | <u>15 / 13 5/8</u> | <u>226</u> | <u>200</u> | <u>Surface</u> |
| Planned ___ or Existing ___ Interm/Prod | <u>12 1/4 / 9 5/8</u> | <u>2790</u> | <u>1650</u> | <u>TS</u> |
| Planned ___ or Existing ___ Prod/Liner | <u>6 3/4 / 7</u> | | <u>1040</u> | <u>Surface/Visco</u> |
| Planned ___ or Existing ___ Liner | <u>6 3/4 / 4 1/2</u> | <u>6773</u> | | <u>Surface/Visco</u> |
| Planned ___ or Existing ___ OH / PERF | <u>6.564-6704</u> | | | |
| | | | Inj Length <u>134</u> | |

| Injection Lithostratigraphic Units: | Depths (ft) | Injection or Confining Units | Tops | Completion/Operation Details: |
|-------------------------------------|-------------|---------------------------------|------|---|
| Adjacent Unit: Litho. Struc. Por. | | | | Drilled TD <u>6703</u> PBDT <u>6703</u> |
| Confining Unit: Litho. Struc. Por. | | | | NEW TD <u>6773</u> NEW PBDT _____ |
| Proposed Inj Interval TOP: | <u>6568</u> | | | NEW Open Hole <input type="radio"/> or NEW Perfs <input checked="" type="radio"/> |
| Proposed Inj Interval BOTTOM: | <u>6704</u> | | | Tubing Size <u>2 3/8</u> in. Inter Coated? <input checked="" type="checkbox"/> |
| Confining Unit: Litho. Struc. Por. | | | | Proposed Packer Depth <u>6519</u> |
| Adjacent Unit: Litho. Struc. Por. | | | | Min. Packer Depth <u>6458</u> (100-ft limit) |
| | | | | Proposed Max. Surface Press. <u>1313</u> psi |
| | | | | Admin. Inj. Press. <u>1314</u> (0.2 psi per ft) |

AOR: Hydrologic and Geologic Information

POTASH: R-111-P Noticed? BLM Sec Ord WIPP Noticed? Salu/Salado T: _____ B: _____ NW: Cliff House fm _____

FRESH WATER: Aquifer Quaternary Max Depth 9.5 HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: _____ CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? _____ FW Analysis _____

Disposal Fluid: Formation Source(s) _____ Analysis? _____ On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 2500/1500 Protectable Waters? _____ Source: _____ System: Closed or Open

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

AOR Wells: 1/2-M Radius Map? Well List? _____ Total No. Wells Penetrating Interval: 26 Horizontals? N

Penetrating Wells: No. Active Wells 26 Num Repairs? 0 on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date Ag 926 Mineral Owner NMSLD Surface Owner DeWitt Estate N. Date 10/20/15

RULE 26.7(A): Identified Tracts? Affected Persons: BLM, NMSLD, CHEVON, GONDO PHILLIPS N. Date Sept 3

Order Conditions: Issues: _____

Add Order Cond: _____