Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
9/11/2017	mAm	wFx	DmAm1725456 60

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: West Blinebry Drinkard Unit 184 **API:** 30-025-43804
Pool: Eunice; BLI-TU-DR, North **Pool Code:** 22900

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

wFx-972

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

RECEIVED OCD
2017 SEP 11 P 3:

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

9-9-17
Date

505 466-8120
Phone Number

brian@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 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 #184 (30-025-43804)**

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: B Wood DATE: AUG. 10, 2017

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

Side 2

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

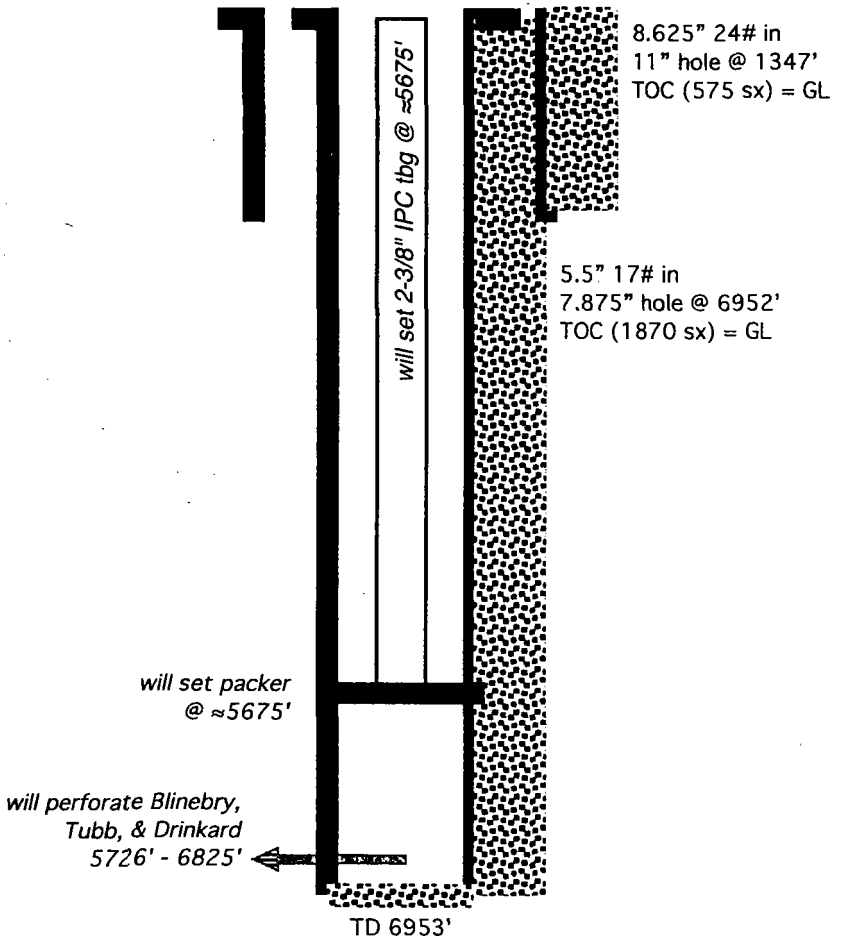
INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 184

WELL LOCATION:	1820' FSL & 2300' FWL	K	8	21 S	37 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



(not to scale)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 575 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC. 86 SX

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 1870 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC. 56 BBL

Total Depth: 6952'

Injection Interval

5726 feet to 6825'

(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: ≈5675'

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: BLINEBRY, TUBB, & 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 (3733'), SAN ANDRES (3955')

   UNDER: ABO (6817')

I. Goal is to complete a recently (May 2017) drilled 6953' well as a water injection well to increase oil recovery. The well will inject (5726' - 6825') into the Blinebry, Tubb, and Drinkard, which are in the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900).

Well and zones are part of the West Blinebry Drinkard Unit (Unit Number 300341, Case Numbers 14125 and 14126, both Order Number R-12981) that was established in 2008 by Apache. There have been 19 subsequent WFX approvals. This is an active water flood. Forty-eight water injectors are active or new in the Unit.

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: BLM NMNM-090161
Lease Size: 640 acres (see Exhibit A for maps and C-102)
Closest Lease Line: 820'
Lease Area: E2SW4 & SE4 of Section 8, T. 21 S., R. 37 E. et al
Unit Size: 2,480 acres
Closest Unit Line: 820'
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 (8.625", J-55, 24#) is set at 1347' in an 11" hole and cemented with 575 sacks, of which 86 sacks circulated to GL.

Production casing (5.5", 17#, L-80) is set at 6952' in a 7.875" hole and cemented with 1870 sacks, of which 56 bbl circulated to GL.

Casing was hydraulically pressure tested to 500 psi.

A. (3) Tubing specifications are 2.375", J-55, 4.7#, and internally plastic coated. Setting depth will be ≈5675'. (Disposal interval will be from 5726' to 6825'.)

A. (4) A lock set injection packer will be set at ≈5675' (≈50' above the highest proposed perforation of 5726').

B. (1) Injection zone will be the Blinebry - Drinkard interval. The interval is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool. Estimated fracture gradient is ≈0.56 psi per foot.

B. (2) Injection interval will be from 5726' to 6825' in a cased hole. See attached C-108 well profile for more perforation information.

B. (3) Well was drilled as a water injection well.

B. (4) Well will be perforated from 5726' to 6825' with 2 shots per foot. Shot diameter = 0.40".

B. (5) Next higher oil or gas zone in the area of review is the San Andres. Its bottom is at 5205'. Injection will occur in the Blinebry and deeper. Blinebry top is at 5726'.

Next lower oil or gas zone in the area of review is the Abo. Its top is at 6831'. Deepest perforation will be 6825'.

IV. This is not a horizontal or vertical expansion of an existing injection project. The case file for the unit approval (R-12981) includes a discussion of the water flood. There have been 19 subsequent WFX approvals.

V. Exhibit B shows and tabulates all 46 existing wells (33 oil wells + 6 P&A wells + 6 water injectors + 1 water supply well) within a half-mile radius, regardless of depth. Exhibit C shows all 539 existing wells (390 oil or gas wells + 68 injection or disposal wells + 68 P & A wells + 13 water supply wells) within a two-mile radius.

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

Aliquot Parts in Area of Review (T 21 S, R 37 E)	Lease Type	Lease	Lessee(s) of Record	Blinebry, Tubb, or Drinkard Operator
SENE Sec. 7	fee	M L Goins	J R Oil	none
NESE Sec. 7	fee	M L Goins	J R Oil	none now, J R in Drinkard until PB
SESE Sec. 7	fee	H T Mattern NCT C	Chevron	none now, Chevron in Drinkard until PB
NWNE & NENW Sec. 8	BLM	NMLC-031741A	Apache, Chevron, ConocoPhillips	Apache
NWNW Sec. 8	BLM	NMNM-125795	Apache, Chevron, ConocoPhillips	none
SWNW Sec. 8	fee	H T Mattern NCT C	Chevron	none now, Chevron in Blinebry until P&A
SENW Sec. 8	fee	H T Mattern NCT C	Chevron	none now, Chevron in Drinkard until PB
S2NE Sec. 8	BLM	NMLC-031741A	Apache, Chevron, ConocoPhillips	Apache
SE4 & E2SW4 Sec. 8	BLM	NMNM-090161	Apache, Chevron	Apache
NWSW Sec. 8	fee	H T Mattern NCT C	Chevron	none

SWSW Sec. 8	fee	H T Mattern NCT C	Chevron	none now, Chevron in Blinebry until P&A
NENE Sec. 17	BLM	NMLC-032096A	Apache, Chevron	Apache
NWNE Sec. 17	fee	Weatherly	Apache	Apache
NENW Sec. 17	fee	Mittie Weatherly	Chevron	none now, Texaco (Chevron) in Drinkard until PB
NWNW Sec. 17	fee	Mittie Weatherly	Chevron	none

VI. Forty-six existing wells are within a half-mile radius. Thirty of the wells penetrated the Blinebry (5726'). The penetrators include 20 oil wells, 6 water injectors, 3 P&A wells, and 1 water supply well (plugged back from the Drinkard to the San Andres). A table abstracting the well construction details and histories of the penetrators is in Exhibit F. Diagrams of the P&A wells are also in Exhibit F.

VII. 1. Average injection rate will be ≈2500 bwpd.
Maximum injection rate will be 3000 bwpd.

2. System will be closed. The well will tie into the existing Unit pipeline system. It consists of a branched injection system with centrifugal injection pumps.

3. Average injection pressure will be ≈1100 psi. Maximum injection pressure will be 1120 psi (see item (13) of Order R-12981).

4. Water source will be water pumped from two existing ≈4000' 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 47,270,878 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. There are 118 active or new 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 injection interval is Leonardian in age, 1090' 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 106 Blinebry injectors, 124 Tubb injectors, and 152 Drinkard injectors 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 = 1304'
Tansill = 2533'
Yates = 2666'
Seven Rivers = 2918'
Queen = 3451'
Penrose = 3561'
Grayburg = 3728'
San Andres = 3952'
Glorieta = 5204'
Paddock = 5281'
Blinebry = 5726'
Injection interval = 5726' - 6825'
Tubb = 6209'
Drinkard = 6554'
Abo = 6831'
TD = 6953'

Office of the State Engineer records (Exhibit G) show one fresh water well (CP 01026 PD1) is within a mile radius. It, and a second well (CP 00447/00448) 1.26 miles southwest, were sampled on May 19, 2017. The Ogallala is 1.6 miles northeast.

Deepest water well within a 2-mile radius is 220'. No existing underground drinking water sources are below the injection interval within a 2-mile radius.

There will be >5,000' of vertical separation and hundreds of feet 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 (208 wells) or disposed (8 wells) into the Blinebry-Tubb-Drinkard, San Andres, Grayburg, Queen, Seven Rivers, and Yates within T. 21 S., R. 37 E.

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

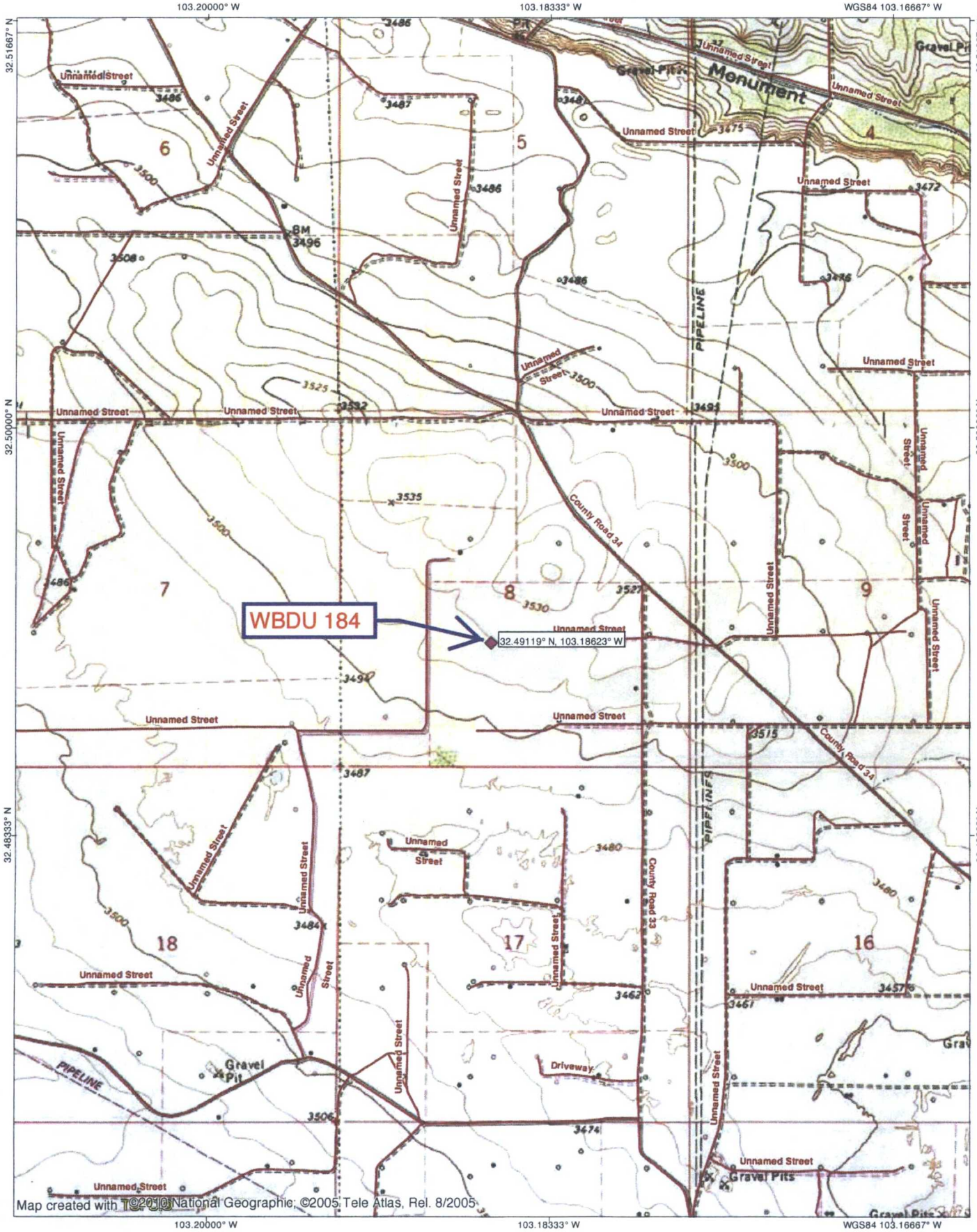
X. A CBL/GR/CCL log was run and submitted to NMOCD.

XI. One fresh water well is within a mile. Analyses from it and a second well just beyond a mile are in 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 ≈109 miles southwest (Exhibit H). There are currently 106 Blinebry injectors, 124 Tubb injectors, and 152 Drinkard injectors in the state. Previously approved water flood expansions (WFX-) in the Unit include 854, 857, 913, 921, 922, 923, 924, 948, 952, 954, 955, 958, 959, 960, 962, 964, 965, 967, and 968.

XIII. A legal ad (see Exhibit I) was published on August 9, 2017. Notice (this application) has been sent (Exhibit J) to the surface owner (Millard Deck Estate), lessor (BLM), offset Blinebry, Tubb, or Drinkard operators (Chevron and J R Oil), lessees (Chevron, ConocoPhillips, and J R Oil), operators of other zones (Chevron, J R Oil, and Lanexco), and operating rights holders (Chevron USA Inc., Chevron USA Prod. Co., ConocoPhillips, Barbara Hannifin, Mark Hannifin, Patrick Hannifin, Robert Hannifin, John H. Hendrix Corp., Lanexco, Robert Lansford, NM Co. Inc., Oxy USA WTP, Penroc Oil Corp., Tommy Phipps, and Six Aeches Co.).

TOPO! map printed on 08/05/17 from "Untitled.tpo"



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

EXHIBIT A

TN MN
6.5°
08/05/17

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025- 43804	22900	EUNICE; BLI-TU-DR, NORTH

4 Property Code	5 Property Name	6 Well Number
37346	WEST BLINEBRY DRINKARD UNIT	184

7 OGRID NO.	8 Operator Name	9 Elevation
873	APACHE CORPORATION	3519'

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	8	21S	37E		1820	SOUTH	2300	WEST	LEA

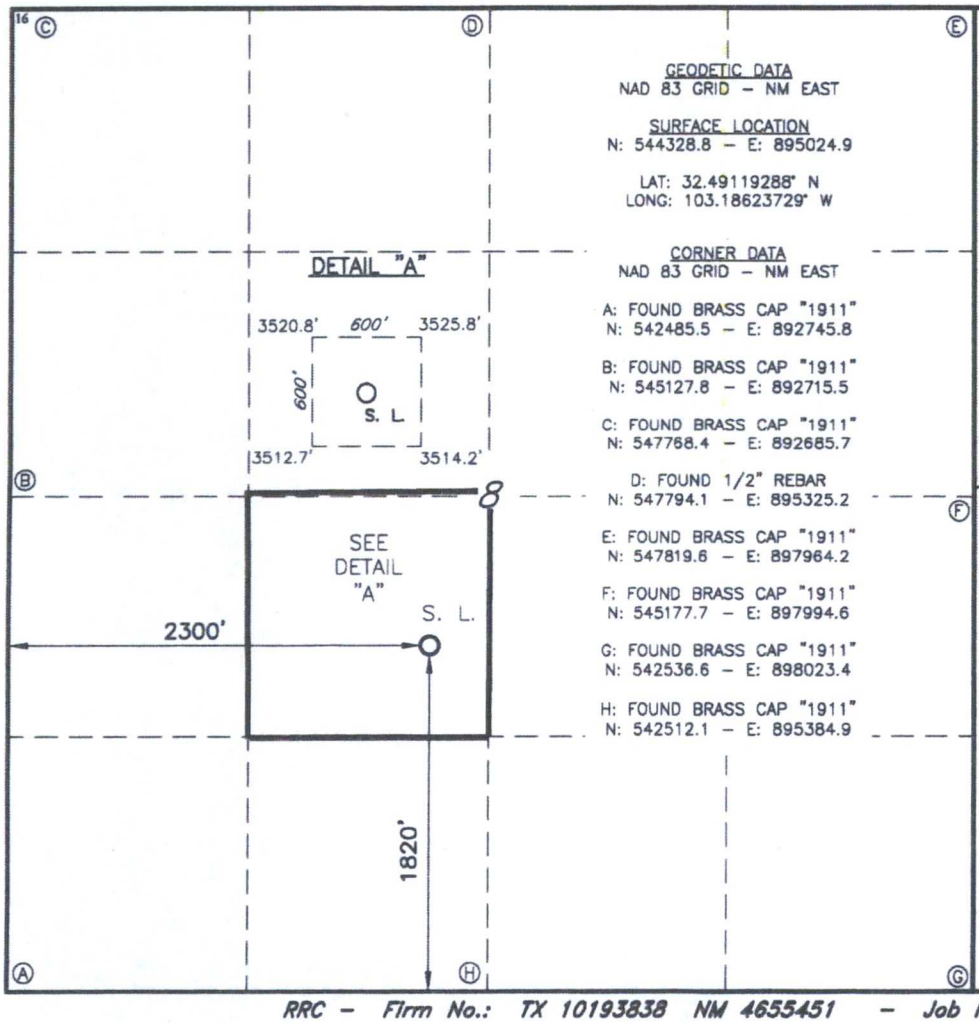
11 Bottom Hole Location If Different From Surface

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
40			

HOBBS OCD
MAY 15 2017

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



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N: 544328.8 – E: 895024.9

LAT: 32.49119288° N
LONG: 103.18623729° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1911"
N: 542485.5 – E: 892745.8

B: FOUND BRASS CAP "1911"
N: 545127.8 – E: 892715.5

C: FOUND BRASS CAP "1911"
N: 547768.4 – E: 892685.7

D: FOUND 1/2" REBAR
N: 547794.1 – E: 895325.2

E: FOUND BRASS CAP "1911"
N: 547819.6 – E: 897964.2

F: FOUND BRASS CAP "1911"
N: 545177.7 – E: 897994.6

G: FOUND BRASS CAP "1911"
N: 542536.6 – E: 898023.4

H: FOUND BRASS CAP "1911"
N: 542512.1 – E: 895384.9

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.

Sorina L Flores 2/21/2017
Signature Date

SORINA L. FLORES
Printed Name

sorina.flores@apachecorp.com
E-mail Address

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.

12-06-2016
Date of Survey

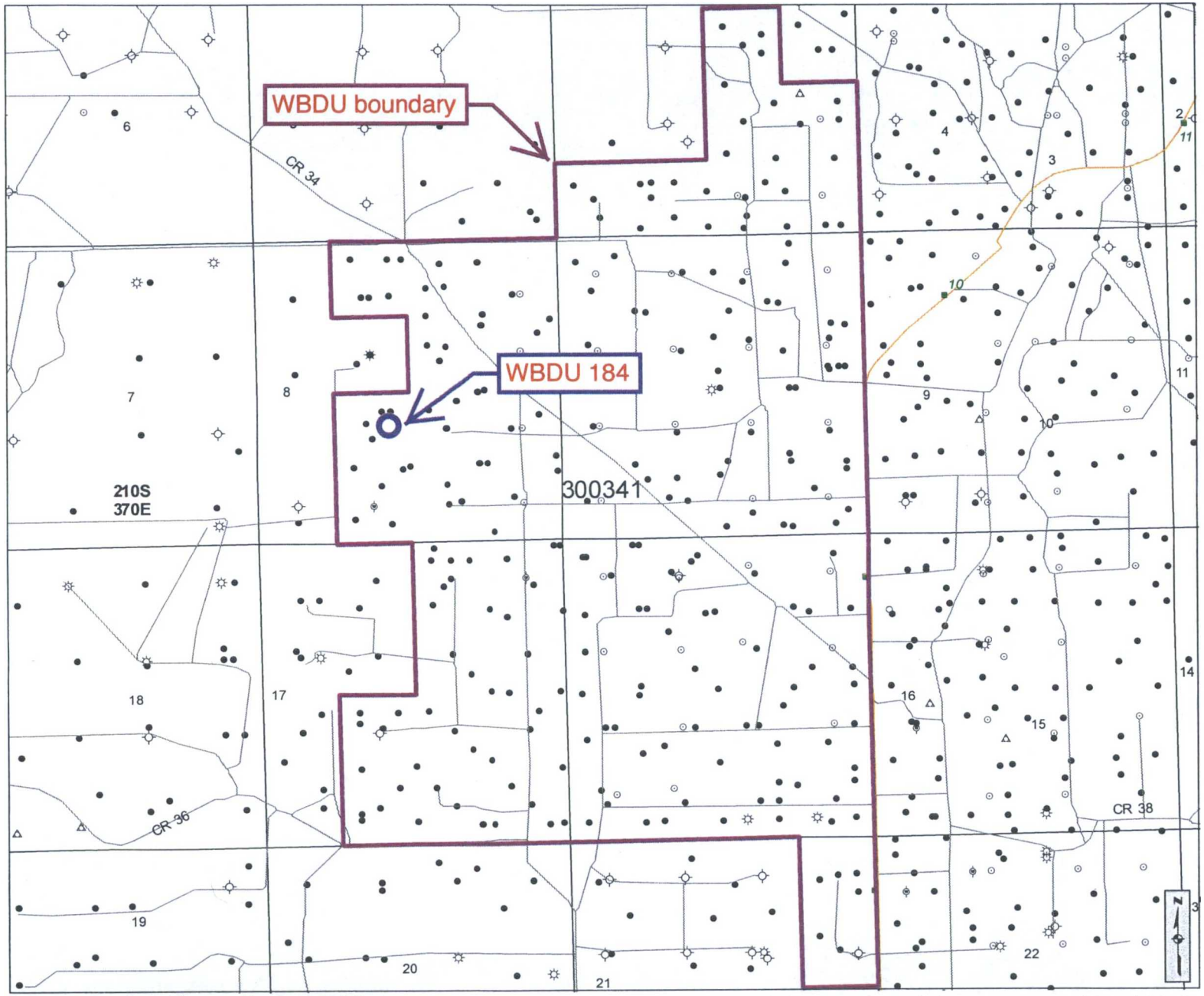
Signature and Seal of Professional Surveyor

ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR

19680
Certificate Number

EXHIBIT A

RRC – Firm No.: TX 10193838 NM 4655451 – Job No.: LS1611393



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

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsuface Estate

State Leases

- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- 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

- CO^2
- Gas
- Injection
- Miscellaneous
- Oil
- Salt Water Disposal
- Water
- DA or PA

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New Mexico State Land Office

Oil, Gas and Minerals

0 0.1 0.2 0.4 0.6 0.8 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

Land Office Geographic Information Center
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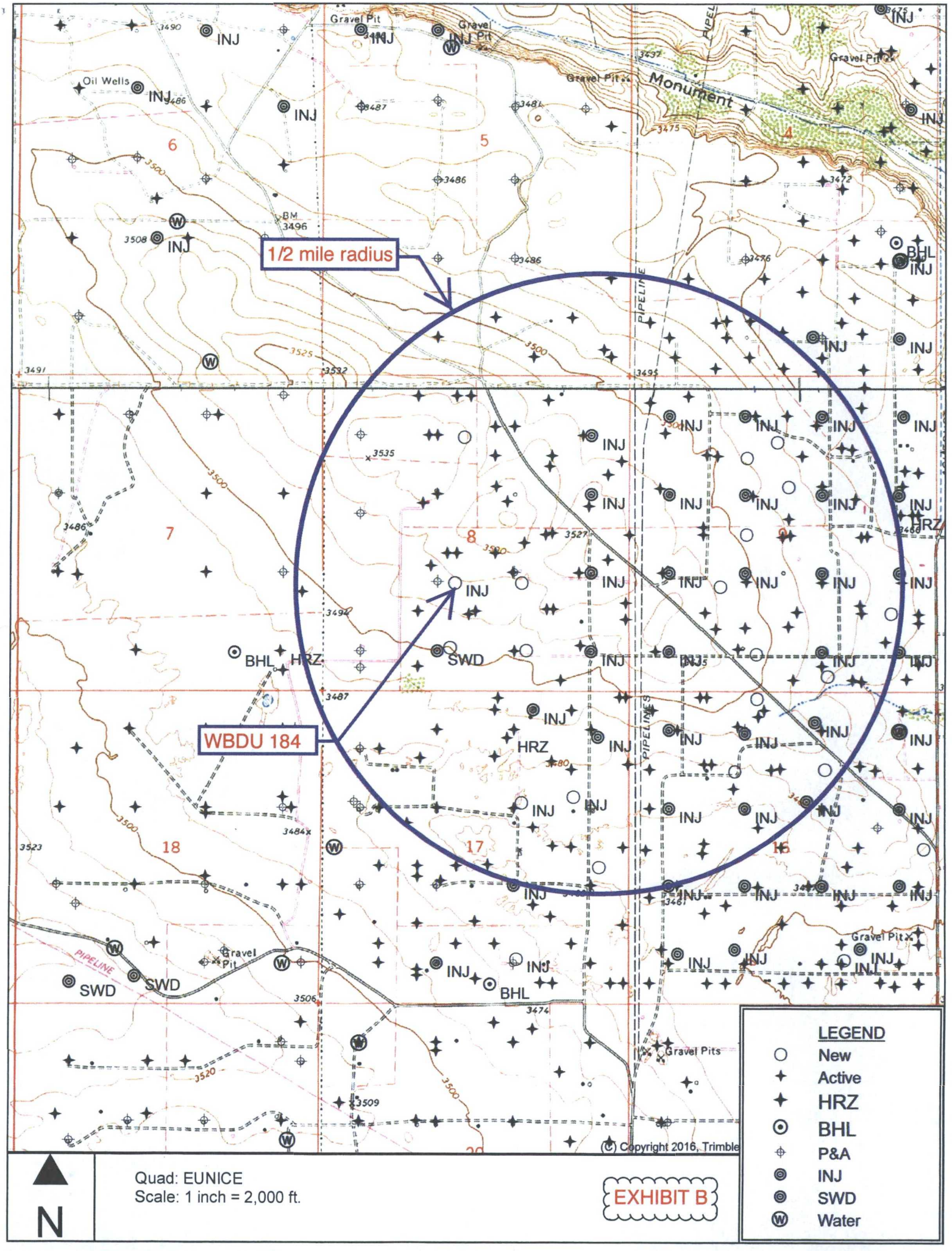
EXHIBIT A


1/2 mile radius
WBDU 184
Monument
Gravel Pit
Oil Wells
PIPELINE
PIPELINES
BM 3496
Gravel Pits
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
N
Quad: EUNICE
Scale: 1 inch = 2,000 ft.
EXHIBIT B
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API	WHO	WELL	TYPE	UNIT-SECTION	TVD	ZONE	FEET FROM WBDU 184
3002535807	Apache	Hawk Federal B 1 029	P&A	K-8	4200	Penrose Skelly; Grayburg	296
3002526266	Apache	WBDU 044	O	K-8	6936	Eunice; Bli-Tu-Dr, N	488
3002539511	Apache	Hawk Federal B 1 055	O	K-8	4507	Penrose Skelly; Grayburg	504
3002540678	Apache	Hawk Federal B 1 070	O	K-8	7300	Wantz; Abo	521
3002537997	Apache	Hawk Federal B 1 051	O	N-8	4405	Penrose Skelly; Grayburg	573
3002537741	Apache	WBDU 047	O	K-8	6950	Eunice; Bli-Tu-Dr, N	584
3002540273	Apache	WBDU 108	O	K-8	7265	Eunice; Bli-Tu-Dr, N	802
3002539407	Apache	WBDU 106	O	J-8	7027	Eunice; Bli-Tu-Dr, N	805
3002542494	Apache	WBDU 192	I	J-8	6974	Eunice; Bli-Tu-Dr, N	954
3002535878	Apache	Hawk Federal B 1 022	O	J-8	4215	Penrose Skelly; Grayburg	990
3002522859	Conoco	Hawk B 1 014	P&A	J-8	6836	Eunice; Bli-Tu-Dr, N	1009
3002543780	Apache	WBDU 183	I	N-8	6961	Eunice; Bli-Tu-Dr, N	1080
3002526601	Apache	WBDU 043	WSW	N-8	6825	Penrose Skelly; Grayburg	1205
3002540458	Apache	Hawk Federal B 1 069	O	J-8	7500	Wantz; Abo	1321
3002525411	Chevron	H T Mattern NCT C 010	O	F-8	7201	Wantz; Abo	1435
3002506436	Lanexco	Alves B 001	P&A	F-8	3679	Penrose Skelly; Grayburg	1506
3002521621	Apache	WBDU 024	O	G-8	6819	Eunice; Bli-Tu-Dr, N	1506
3002506435	Apache	Hawk Federal B 1 012	O	O-8	6722	Penrose Skelly; Grayburg	1540
3002540677	Apache	Hawk A 037	O	G-8	7500	Eunice; Bli-Tu-Dr, N	1549
3002540276	Apache	WBDU 135	O	N-8	7125	Eunice; Bli-Tu-Dr, N	1550
3002535803	Apache	Hawk A 010	O	G-8	4200	Penrose Skelly; Grayburg	1612

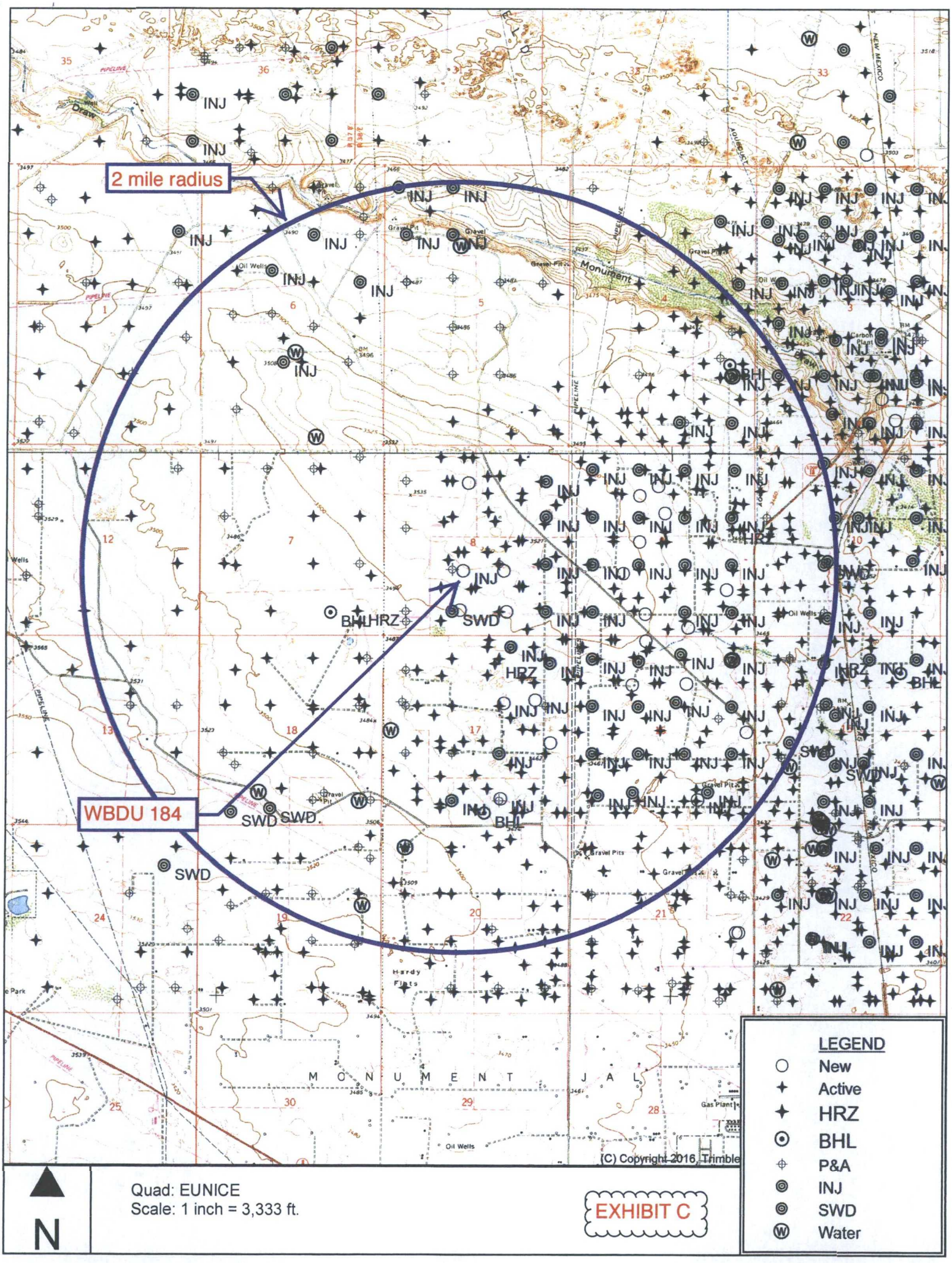
EXHIBIT B

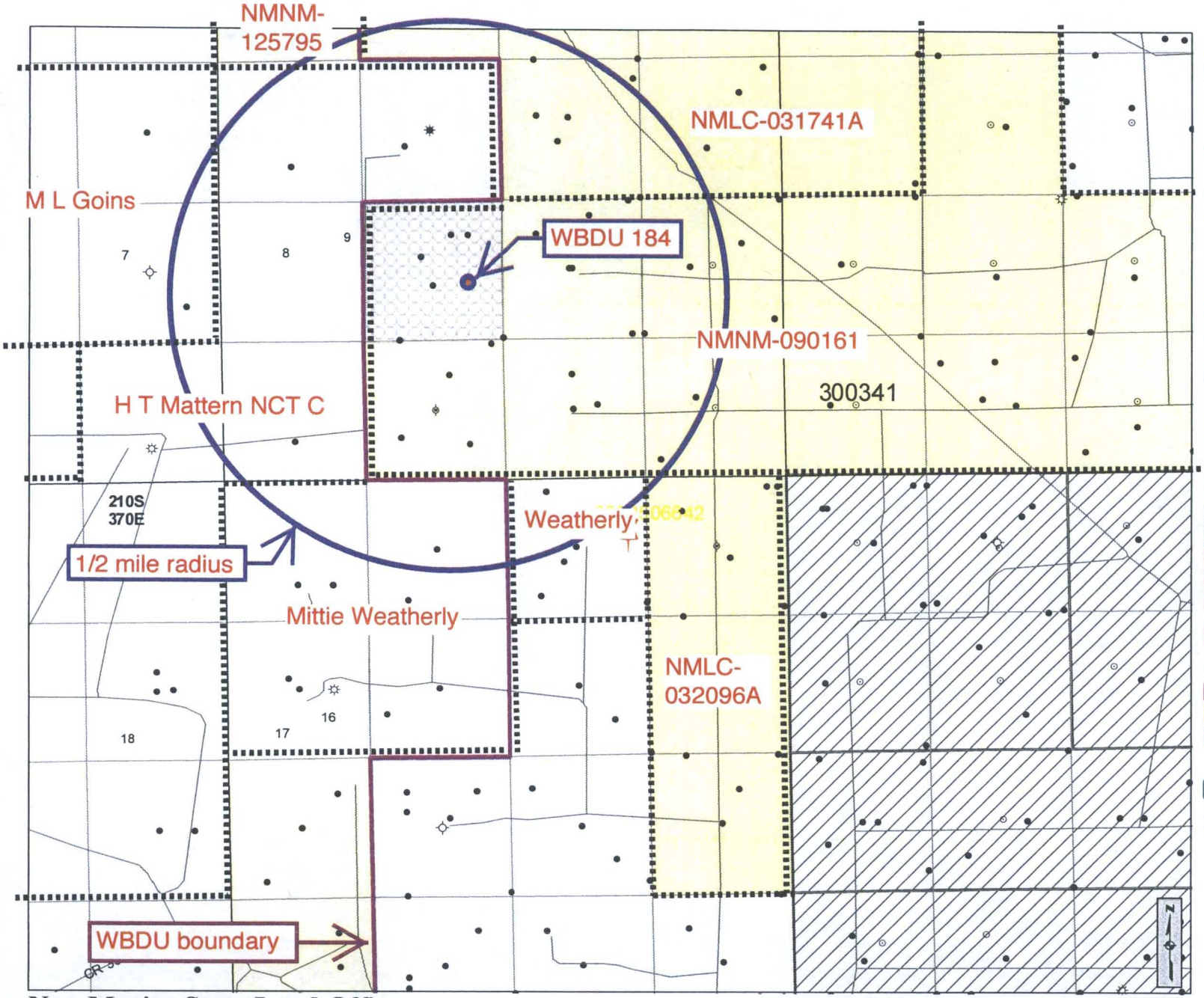
3002542493	Apache	WBDU 185	I	O-8	6945	Eunice; Bli-Tu-Dr, N	1615
3002537020	Apache	WBDU 046	O	J-8	7383	Eunice; Bli-Tu-Dr, N	1630
3002538493	Apache	Hawk Federal B 1 058	O	J-8	4193	Penrose Skelly; Grayburg	1710
3002538195	Apache	WBDU 030	O	G-8	7005	Eunice; Bli-Tu-Dr, N	1729
3002536158	Apache	Hawk Federal B 1 032	O	I-8	4200	Penrose Skelly; Grayburg	1736
3002525547	Chevron	H T Mattern NCT C 012	P&A	E-8	6800	Blinebry	1989
3002524060	Sohio	Alves A 002	P&A	M-8	4446	Penrose Skelly; Grayburg	1997
3002540695	Apache	WBDU 140	O	G-8	7150	Eunice; Bli-Tu-Dr, N	2027
3002539733	Apache	WBDU 109	O	B-17	7200	Eunice; Bli-Tu-Dr, N	2048
3002535877	Apache	Hawk Federal B 1 021	O	I-8	4212	Penrose Skelly; Grayburg	2124
3002525500	Chevron	H T Mattern NCT C 011	P&A	M-8	7125	Wantz; Abo	2174
3002538377	Apache	W W Weatherly 012	O	B-17	4150	Penrose Skelly; Grayburg	2224
3002506434	Apache	WBDU 041	I	I-8	6775	Eunice; Bli-Tu-Dr, N	2330
3002538021	Apache	Hawk A 020	O	G-8	4403	Penrose Skelly; Grayburg	2352
3002540274	Apache	WBDU 124	O	P-8	7300	Eunice; Bli-Tu-Dr, N	2396
3002535795	Apache	Hawk Federal B 1 018	O	P-8	4200	Penrose Skelly; Grayburg	2399
3002526265	Apache	WBDU 025	O	C-8	6880	Eunice; Bli-Tu-Dr, N	2484
3002506649	Chevron	Mittie Weatherly 003	O	C-17	6651	Penrose Skelly; Grayburg	2506
3002535951	Apache	Hawk A 017	O	C-8	4200	Penrose Skelly; Grayburg	2507
3002540272	Apache	WBDU 104	O	G-8	7293	Eunice; Bli-Tu-Dr, N	2514
3002506642	Apache	WBDU 065	I	B-17	6684	Eunice; Bli-Tu-Dr, N	2540
3002506433	Apache	WBDU 040	I	P-8	6758	Eunice; Bli-Tu-Dr, N	2549

EXHIBIT B

3002538014	Apache	Hawk Federal B 1 050	O	I-8	4355	Penrose Skelly; Grayburg	2597
3002535804	Apache	Hawk A 011	O	H-8	4200	Penrose Skelly; Grayburg	2613
3002527439	J R Oil	M L Goins 004	O	I-7	6974	Eunice; Bli-Tu-Dr, N	2623
3002523717	*Apache*	*W W Weatherly 005*	*O*	*B-17*	*3875*	*Penrose Skelly; Grayburg*	*2685*

EXHIBIT B


2 mile radius
WBDU 184
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
N
Quad: EUNICE
Scale: 1 inch = 3,333 ft.
EXHIBIT C
(C) Copyright 2016, Trimble
M O N U M E N T J A L



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
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

State Trust Lands
- Surface Estate
- Subsurface Estate
- Surface and Subsuface Estate

State Leases
- Oil and Gas Leases
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- Commercial Leases
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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
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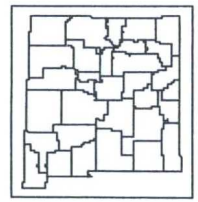
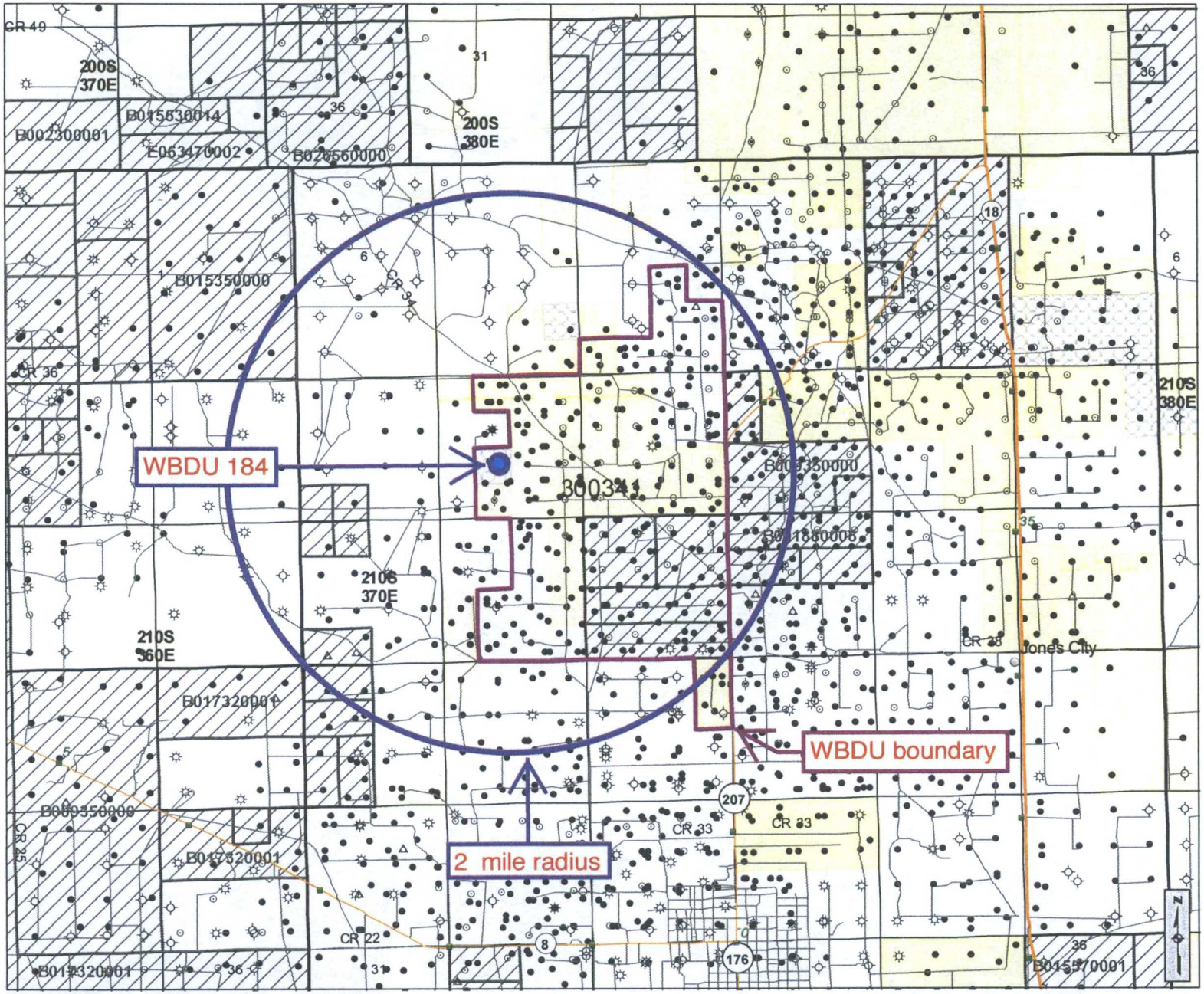
EXHIBIT D



www.nmstatelands.org



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New Mexico State Land Office

Oil, Gas and Minerals

0 0.25 0.5 1 1.5 2 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

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EXHIBIT E

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Sorted by distance from WBDU 184

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
WBDU 044	5/26/79	6936	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1340	692 sx	GL	Circ
30-025-26266					7.875	5.5	6880	1760 sx	1478	No report
K-8-21S-37E										
Hawk Fed B 1 070	9/18/12	7300	Wantz; Abo	O	12.25	8.625	1380	500 sx	GL	Circ 80 sx
30-025-40678					7.875	5.5	7300	1450 sx	GL	Circ 224 sx
K-8-21S-37E										
WBDU 047	7/8/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1318	550 sx	GL	Circ 122 sx
30-025-37741					7.875	5.5	6950	1150 sx	170	CBL
K-8-21S-37E										
WBDU 108	10/16/11	7265	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	730 sx	GL	Circ 231 sx
30-025-40273					7.875	5.5	7265	1200 sx	210	Circ 114 sx
K-8-21S-37E										

EXHIBIT F

Sorted by distance from WBDU 184

WBDU 106	1/18/11	7027	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1399	665 sx	GL	Circ 80 sx
30-025-39407					7.875	5.5	7027	1410 sx	GL	Circ 120 sx
J-8-21S-37E										
WBDU 192	3/11/17	6974	Eunice; Bli-Tu-Dr, N	I	11	8.625	1421	575 sx	GL	Circ
30-025-42494					7.875	5.5	6974	1350 sx	190	CBL
J-8-21S-37E										
Hawk B 1 014	11/25/68	6836	Eunice; Bli-Tu-Dr, N	P&A	12.25	8.625	1322	650 sx	GL	Circ
30-025-22859					7.875	5.5	6836	625 sx	2900	No report
J-8-21S-37E										
WBDU 183	5/7/17	6961	Eunice; Bli-Tu-Dr, N	I	11	8.625	1348	575	GL	Circ 121 sx
30-025-43780					7.875	5.5	6961	1350 sx	GL	Circ 31 sx
N-8-21S-37E										

EXHIBIT F

Sorted by distance from WBDU 184

WBDU 043	5/15/80	6825	Penrose Skelly; Grayburg	W	12.25	9.625	1350	485 sx	GL	Circ 200 sx
30-025-26601					8.75	7	6825	1750 sx	GL	Circ 200 sx
N-8-21S-37E										
Hawk Fed B 1 069	5/25/12	7500	Wantz; Abo	O	12.25	8.625	1389	725 sx	GL	Circ 226 bbl
30-025-40458					7.875	5.5	7500	1400 sx	86	CBL
J-8-21S-37E										
H T Mattern NCT C 010	3/4/77	7201	Wantz; Abo	O	12.25	8.625	1355	550 sx	GL	Circ
30-025-25411					7.875	5.5	6800	200 sx	GL	Circ
F-8-21S-37E										
WBDU 024	2/7/66	6819	Eunice; Bli-Tu-Dr, N	O	11	8.625	1330	600 sx	GL	Circ
30-025-21621					6.75	5.5	6819	640 sx	3125	Temp Survey
G-8-21S-37E										

EXHIBIT F

Sorted by distance from WBDU 184

Hawk Fed B 1 012	4/4/52	6722	Penrose Skelly; Grayburg	O	17	13.375	238	260 sx	GL	Circ
30-025-06435					12.25	9.625	2856	1360 sx	GL	Circ
O-8-21S-37E					8.75	7	6659	625 sx	2836	Temp Survey
Hawk A 037	12/1/12	7500	Eunice; Bli-Tu-Dr, N	O	11	8.625	1418	505 sx	GL	Circ 120 sx
30-025-40677					7.875	5.5	7500	1250 sx	210	Circ 124 sx
G-8-21S-37E										
WBDU 135	11/11/11	7125	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1317	710 sx	GL	Circ 163 sx
30-025-40276					7.875	5.5	7125	960 sx	GL	Circ 3 bbbls
N-8-21S-37E										
WBDU 185	2/27/17	6945	Eunice; Bli-Tu-Dri, N	I	11	8.625	1393	575 sx	GL	Circ 202 sx
30-025-42493					7.875	5.5	6942	1350 sx	1390	Temp Survey
O-8-21S-37E										

EXHIBIT F

Sorted by distance from WBDU 184

WBDU 046	6/10/05	7383	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1420	650 sx	GL	Circ 87 sx
30-025-37020					7.875	5.5	7383	1300 sx	160	CBL
J-8-21S-37E										
WBDU 030	3/17/07	7005	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1307	575 sx	GL	Circ
30-025-38195					7.875	5.5	7005	1250 sx	100	CBL
G-8-21S-37E										
H T Mattern NCT C 012	6/4/77	6800	Blinebry	P&A	12.25	8.625	1354	500 sx	GL	Circ 40 sx
30-025-25547					7.875	5.5	6800	2125	GL	Circ
E-8-21S-37E										
WBDU 140	9/27/12	7150	Eunice; Bli-Tu-Dr, N	O	11	8.625	1375	500 sx	GL	Circ 80 sx
30-025-40695					7.875	5.5	7150	1350 sx	GL	Circ 210 sx
G-8-21S-37E										

EXHIBIT F

Sorted by distance from WBDU 184

WBDU 109	4/25/10	7200	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1270	725 sx	GL	Circ
30-025-39733					7.875	5.5	7200	1175 sx	GL	Circ
B-17-21S-37E										
H T Mattern NCT C 011	4/7/77	7125	Wantz; Abo	P&A	12.25	8.625	1312	350 sx	GL	Circ
30-025-25500					7.875	5.5	6800	1665 sx	GL	Circ
M-8-21S-37E										
WBDU 041	2/9/50	6775	Eunice; Bli-Tu-Dr, N	I	16.25	13.375	213	250 sx	GL	Circ
30-025-06434					12.25	9.625	2684	1750 sx	1300	Temp Survey
I-8-21S-37E					10.75	7	6774	822 sx	2804	Temp Survey
WBDU 124	10/24/11	7300	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1352	710 sx	GL	Circ 102 sx
30-025-40274					7.875	5.5	7300	1225 sx	278	CBL
P-8-21S-37E										

Sorted by distance from WBDU 184

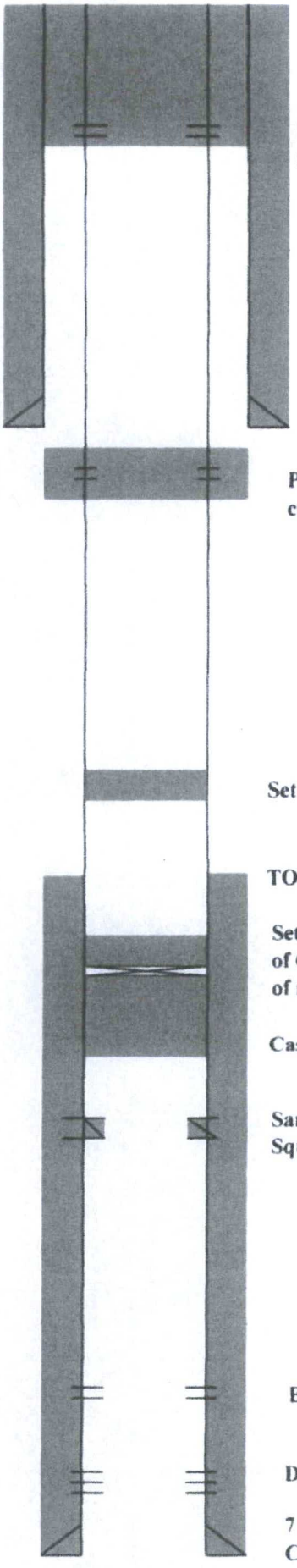
WBDU 025	6/30/80	6880	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1335	672 sx	GL	Circ 90 sx
30-025-26265					7.875	5.5	6858	1760 sx	GL	Circ 75 sx
C-8-21S-37E										
Mittie Weatherly 003	10/13/52	6651	Penrose Skelly; Grayburg	O	17.5	13.375	314	325 sx	GL	Circ
30-025-06649					11	8.625	2812	1500 sx	GL	Circ
C-17-21S-37E					7.875	5.5	6650	350 sx	3200	CBL
WBDU 104	10/6/11	7293	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1398	750 sx	GL	Circ 131 sx
30-025-40272					7.875	5.5	7293	1190 sx	538	CBL
G-8-21S-37E										
WBDU 065	11/16/51	6684	Eunice; Bli-Tu-Dr, N	I	12.5	10.75	282	250 sx	GL	Circ
30-025-06642					8.75	7.625	2759	1100 sx	GL	Circ
B-17-21S-37E					6.625	5.5	6582	200 sx	2600	Temp Survey

EXHIBIT F

Sorted by distance from WBDU 184

WBDU 040	11/12/49	6758	Eunice; Bli-Tu-Dr, N	I	17	13.375	229	250 sx	GL	Circ
30-025-06433					12.25	9.625	2818	1100 sx	1375	Temp Survey
P-8-21S-37E					8.75	7	6753	625 sx	2321	Temp Survey
M L Goins 004	8/9/81	6974	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1312	900 sx	GL	Circ
30-025-27439					7.875	4.5	6974	2300 sx	GL	Circ
I-7-21S-37E										

Conoco, Inc.
Hawk B-1 No. 14
API No. 30-025-22859
1980' FSL & 1980' FEL, Unit J
Section 8, T-21S, R-37E
Type Well: Producer



Perforate 5 ½" csg. @ 350'.
Squeeze cmt. to surface w/175 sx.

Date Drilled: 11/68
Date PA'd: 10/97

12 ¼" Hole; 8 5/8" csg. set @ 1,322'
Cemented w/650 sx.
Cement circulated to surface

Perforate 5 ½" csg. @ 1,372'. Set 25 sx. cmt. plug @ 1,372'

Set 25 sx. cmt. plug @ 2,567'

TOC @ 2,900' (Well File)

Set cement retainer @ 3,400'. Pump 67 Bbls of Class C cmt. through retainer. Sting out of retainer & set 6 sx. cmt. on tool.

Casing collapsed @ 3,553'

San Andres Perforations: 4,151'-4,196'
Squeezed w/100 Sx. cmt.

Blinebry Perforations: 5,666'-5,876'

Drinkard Perforations: 6,660'-6,700'

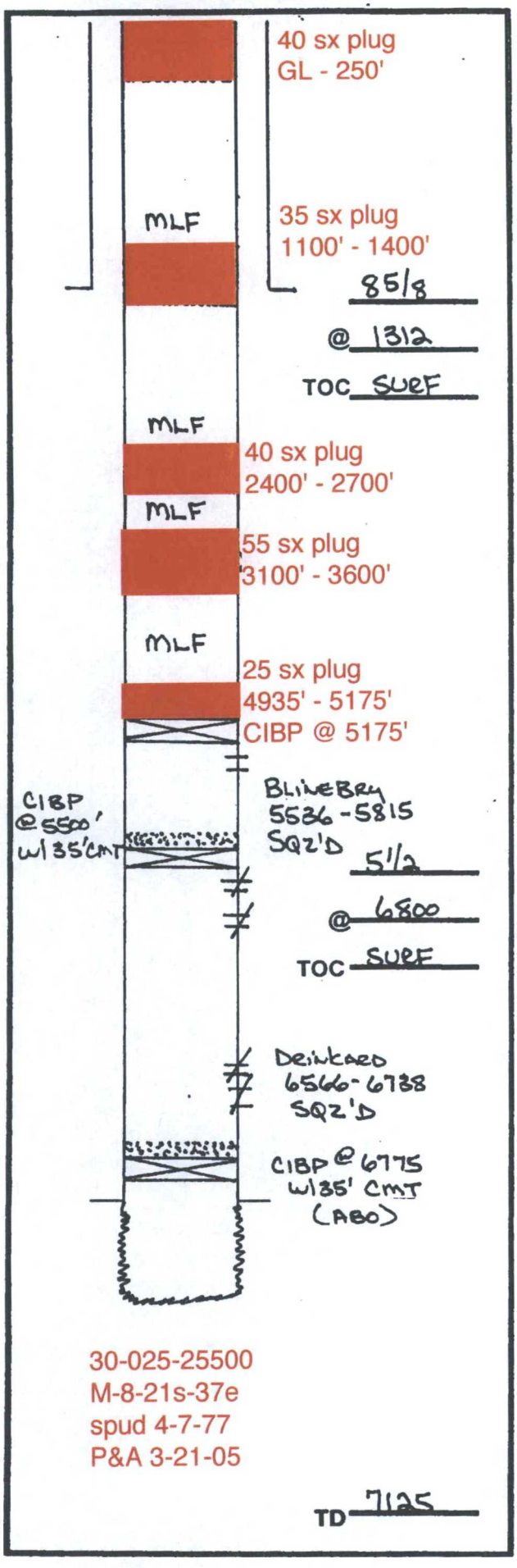
7 7/8" Hole; 5 ½" csg. set @ 6,836'
Cemented w/625 Sx. TOC @ 2,900' by Well File

T.D. 6,836'

EXHIBIT F

Apache Corporation
Form C-108: 8 Wells-WBDU
PA Schematic-Hawk B-1 No. 14

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)



OPERATOR CHEVRON USA INC.
LEASE NAME H.T. MATTERN NCT (C)
WELL # 11

SECT 8 TWN 21-S RNG 37-E
FROM 410 N(S)L 660 E(W)L ____
TD 7125 FORMATION @ TD Drinkard
PBTD ____ FORMATION @ PBTD Paddock

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	8 5/8	1312	SURF	Circ.
INTMED 1				
INTMED 2				
PROD	5 1/2	6800	SURF	Circ

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

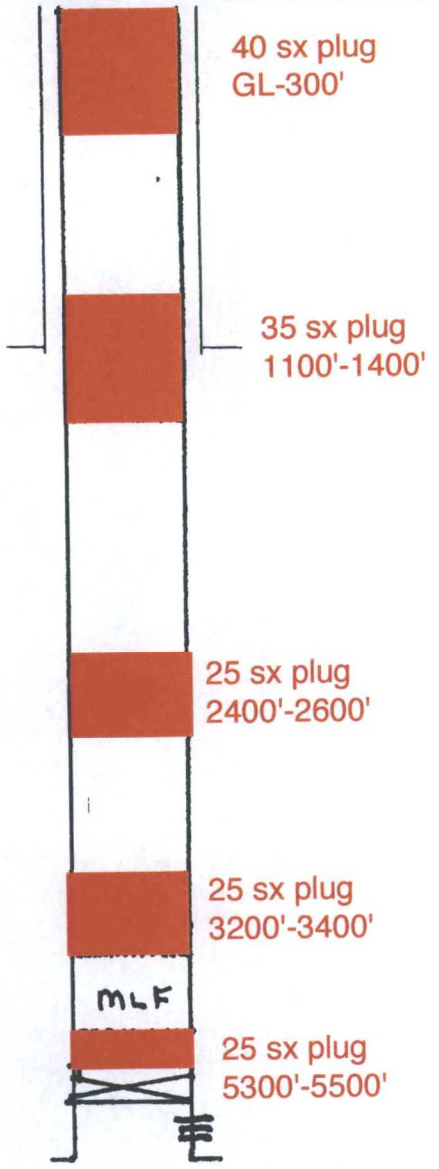
	CUT & PULL		TOP - BOTTOM
INTMED 1		PERFS	5228 - 5294
INTMED 2		OPENHOLE	
PROD			

*REQUIRED PLUGS DISTRICT

			PLUG	TYPE PLUG	SACKS CEMENT	DEPTH
RUSTLER (ANHYD)		•	1	CIBP	25	5175
YATES			2	QUEEN	40	3500
QUEEN			3	B-SALT	30	2700
GRAYBURG			4	8 5/8 S	30	1400
SAN ANDRES			5	SURF	25	250
CAPITAN REEF		•				
DELAWARE						
BELL CANYON						
CHERRY CANYON						
BRUSHY CANYON						
BONE SPRING						
GLORIETA		•				
BLINBRY						
TUBB						
DRINKARD						
ABO						
WC						
PENN						
STRAWN						
ATOKA						
MORROW						
MISS						
DEVONIAN						

EXHIBIT F

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)



spud 6-4-77
P&A 11-19-02

TD 6800

OPERATOR CHEVRON USA INC.
LEASE NAME H.T. MATTERN NCT-C
WELL # 12 30-025-25547.

SECT 8 TWN 21-S RNG 37-E
FROM 2310 (N)/S L 660 E/(W) L
TD 6800 FORMATION @ TD DRINKARD
PBTD FORMATION @ PBTD BLINEBRY

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	8 5/8	1354	SURF	CIRC.
INTMED 1				
INTMED 2				
PROD	5 1/2	6800	SURF	CIRC.

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL		TOP - BOTTOM
INTMED 1		PERFS	5570-5862
INTMED 2		OPENHOLE	
PROD			

*REQUIRED PLUGS DISTRICT

			PLUG	TYPE PLUG	SACKS CEMENT	DEPTH
RUSTLER (ANHYD)		*	1	BLINEBRY	25	5500
YATES			2	QUEEN	25	3400
QUEEN			3	B-SALT	25	2600
GRAYBURG			4	8 5/8 S	30	1400
SAN ANDRES			5	SURF	30	300
CAPITAN REEF		*				
DELAWARE						
BELL CANYON						
CHERRY CANYON						
BRUSHY CANYON						
BONE SPRING						
GLORIETA		*				
BLINBRY						
TUBB						
DRINKARD						
ABO						
WC						
PENN						
STRAWN						
ATOKA						
MORROW						
MISS						
DEVONIAN						

EXHIBIT F

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01026 POD1	1 mile = 1610 m	CP	LE	1	1	3	17	21S	37E	669809	3594958	1500	167	95	72
CP 00986 POD1		CP	LE	4	3	4	06	21S	37E	669110	3597437	1707	154		
CP 00447 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*	2030	95		
CP 00448 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*	2030	100		
CP 00676		CP	LE		4	4	18	21S	37E	669548	3594352*	2160	140	106	34
CP 00877		CP	LE				06	21S	37E	668920	3598153*	2354	150	73	77
CP 00895		CP	LE		1	1	20	21S	37E	669957	3593956*	2419	163		
CP 00554		CP	LE		2	2	16	21S	37E	672744	3595610*	2441	80	70	10
CP 01245 POD1		CP	LE			4	18	21S	37E	668676	3594411	2589	220		
CP 01486 POD1		CP	LE	4	2	1	05	21S	37E	670333	3599085	2754	140	52	88
CP 00552		CP	LE		2	4	04	21S	37E	672700	3598022*	2844	90	75	15
CP 00553		CP	LE		2	4	04	21S	37E	672700	3598022*	2844	90	75	15
CP 00985 POD1		CP	LE	4	4	2	19	21S	37E	669595	3593453	2992	160		
CP 00446 POD1		CP	LE	1	4	4	13	21S	36E	667871	3594424*	3177	185	148	37
CP 00446 POD2		CP	LE	1	4	4	13	21S	36E	667871	3594424*	3177	200	151	49

Average Depth to Water: **93 feet**
Minimum Depth: **52 feet**
Maximum Depth: **151 feet**

Record Count: 15

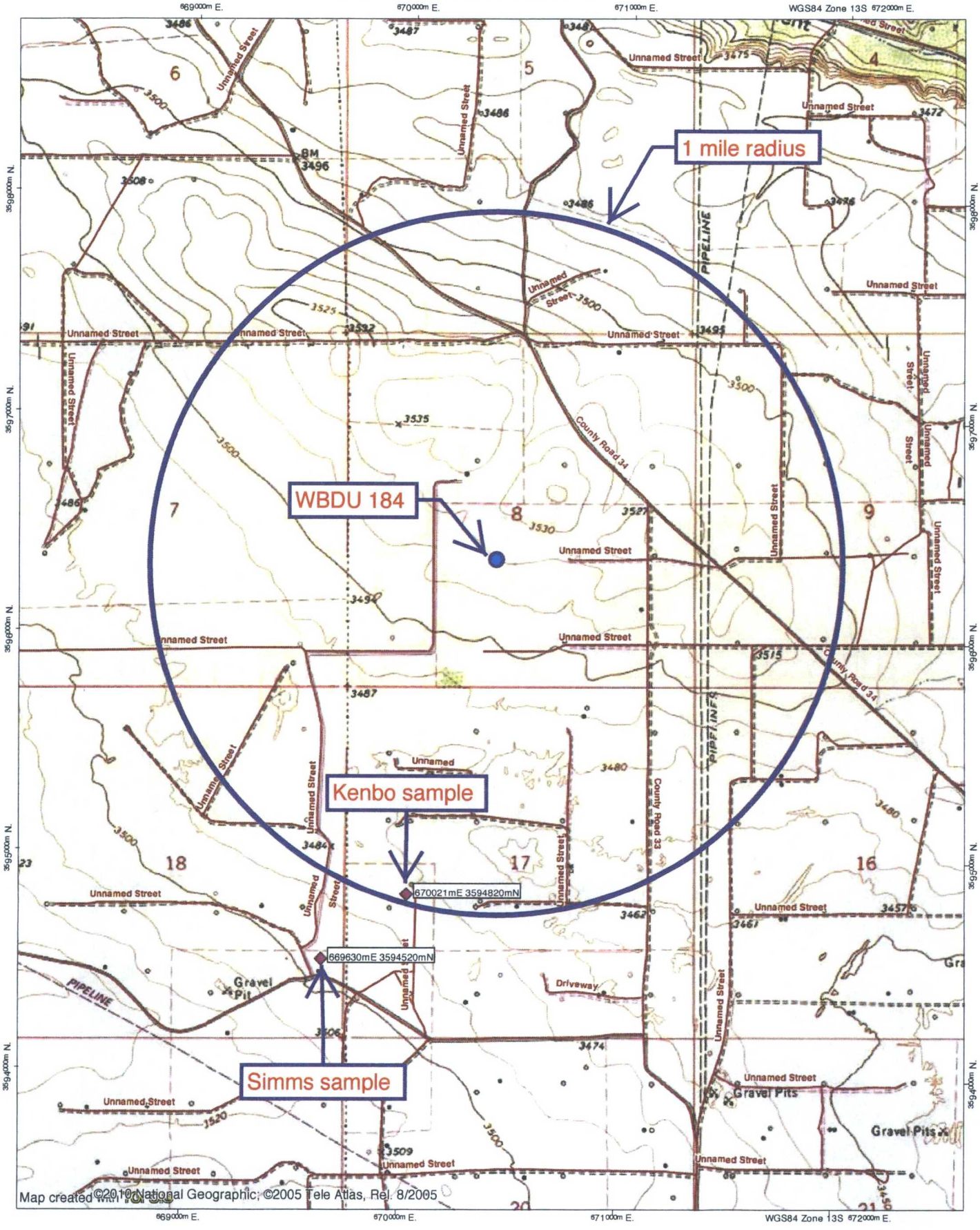
UTMNAD83 Radius Search (in meters):

Easting (X): 670412 **Northing (Y):** 3596332 **Radius:** 3220

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

EXHIBIT G

TOPO! map printed on 07/03/17 from "Untitled.tpo"



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

EXHIBIT G

TN MN
6.5°
07/03/17

Analytical Report
Lab Order **1705755**
Date Reported: **5/23/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache WBDU 221,183
Lab ID: 1705755-001 **Matrix:** AQUEOUS

Client Sample ID: Kenbo Well
Collection Date: 5/9/2017 10:12:00 AM
Received Date: 5/15/2017 1:20:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	10.4		mg/L	1	5/17/2017	31792
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	57	10		mg/L	20	5/16/2017 6:49:50 PM	R42844
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	480	20.0		mg/L	1	5/17/2017 5:54:00 PM	31769

EXHIBIT G

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	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1705755**
Date Reported: **5/23/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache WBDU 221,183
Lab ID: 1705755-002 **Matrix:** AQUEOUS

Client Sample ID: Simms Pond
Collection Date: 5/9/2017 11:16:00 AM
Received Date: 5/15/2017 1:20:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	9.75		mg/L	1	5/17/2017	31792
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	130	10		mg/L	20	5/16/2017 7:14:40 PM	R42844
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	680	20.0	*	mg/L	1	5/17/2017 5:54:00 PM	31769

EXHIBIT G

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	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache WBDU 221,183
Lab ID: 1705755-003 **Matrix:** AQUEOUS

Client Sample ID: Decley Pond
Collection Date: 5/9/2017 1:12:00 PM
Received Date: 5/15/2017 1:20:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	10.9		mg/L	1	5/17/2017	31792
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	370	10	*	mg/L	20	5/16/2017 8:04:19 PM	R42844
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	970	20.0	*	mg/L	1	5/17/2017 5:54:00 PM	31769

EXHIBIT G

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	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache WBDU 221,183
Lab ID: 1705755-004 **Matrix:** AQUEOUS

Client Sample ID: McCasland Tank
Collection Date: 5/10/2017 11:15:00 AM
Received Date: 5/15/2017 1:20:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	11.4		mg/L	1	5/17/2017	31792
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	48	10		mg/L	20	5/16/2017 8:29:09 PM	R42844
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	402	20.0		mg/L	1	5/17/2017 5:54:00 PM	31769

EXHIBIT G

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	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705755**

23-May-17

Client: Permits West

Project: Apache WBDU 221,183

Sample ID	**MB-31792**	SampType:	**MBLK**	TestCode:	**EPA Method 1664B**					
Client ID:	**PBW**	Batch ID:	**31792**	RunNo:	**42900**					
Prep Date:	**5/17/2017**	Analysis Date:	**5/17/2017**	SeqNo:	**1350672**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								
Silica Gel Treated N-Hexane Extrac	ND	10.0								

Sample ID	**LCS-31792**	SampType:	**LCS**	TestCode:	**EPA Method 1664B**					
Client ID:	**LCSW**	Batch ID:	**31792**	RunNo:	**42900**					
Prep Date:	**5/17/2017**	Analysis Date:	**5/17/2017**	SeqNo:	**1350673**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	35.6	10.0	40.00	0	89.0	78	114			
Silica Gel Treated N-Hexane Extrac	16.0	10.0	20.00	0	80.0	64	132			

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	W	Sample container temperature is out of limit as specified

EXHIBIT G

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705755**

23-May-17

Client: Permits West

Project: Apache WBDU 221,183

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R42844**	RunNo: **42844**
Prep Date:	Analysis Date: **5/16/2017**	SeqNo: **1347914** 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: **R42844**	RunNo: **42844**
Prep Date:	Analysis Date: **5/16/2017**	SeqNo: **1347915** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.3	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
R	RPD outside accepted recovery limits	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 G

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1705755**

23-May-17

Client: Permits West

Project: Apache WBDU 221,183

Sample ID	**MB-31769**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**31769**		RunNo:	**42866**					
Prep Date:	**5/16/2017**	Analysis Date:	**5/17/2017**		SeqNo:	**1348678**	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-31769**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**31769**		RunNo:	**42866**					
Prep Date:	**5/16/2017**	Analysis Date:	**5/17/2017**		SeqNo:	**1348679**	Units:	**mg/L**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids		1030	20.0	1000	0	103	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	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	W	Sample container temperature is out of limit as specified

EXHIBIT G


Ogalla aquifer
1.6 miles
32.491419, -103.18623
WBDU 184
Google Earth
4000 ft
N

EXHIBIT G


60
70
84
62
87
Roswell
Lubbock
WBDU 184
32.49119, -103.18623
109 miles
Quaternary faults
Google Earth
60 mi
N

EXHIBIT H

From: **Oldani, Martin** Martin.Oldani@apachecorp.com
Subject: FW: shallow faulting in the vicinity of WBDU
Date: January 11, 2016 at 4:27 PM
To: brian@permitswest.com
Cc: **Shapot, Bret** Bret.Shapot@apachecorp.com

OM

Brian,

As per Mark's comments below, our G&G staff has taken a look at the potential issue of shallow faulting in the WBDU area and have concluded there is none present across the area and no danger of shallow faulting as a conduit to groundwater contamination.

Regards,

MARTIN J. OLDANI
PERMIAN REGION EXPLORATION & EXPLOITATION MANAGER
Apache *main* (432) 818 1000 | *fax* (432) 818 1982
office 6100A | *direct* (432) 818 1030 | *mobile* (432) 234-1925
martin.oldani@apachecorp.com
APACHE CORPORATION - PERMIAN REGION
303 Veterans Airway Park
Midland, TX 79705

From: Pasley, Mark
Sent: Monday, January 11, 2016 4:48 PM
To: Oldani, Martin <Martin.Oldani@apachecorp.com>
Cc: O'Shay, Justin <Justin.O'Shay@apachecorp.com>; Riley, Brent <Brent.Riley@apachecorp.com>; Shapot, Bret <Bret.Shapot@apachecorp.com>; Piggott, Fiona <fiona.piggott@apachecorp.com>
Subject: shallow faulting in the vicinity of WBDU

Martin:

In reference to the meeting this morning where we discussed the possibility of shallow faulting in the WBDU area and its potential impact on the permitting of the injection well(s) into the Drinkard, I submit to you the attached slide set from me and Justin. You will see that we have done several extractions on the seismic data and there is no indication of faulting above the Glorieta which is well above the Drinkard and below the younger evaporites. Also, as we suspected, there are no surface faults mapped in the area – the nearest being more than 50 miles away.

Please contact me or Justin if you have further questions.

Sincerely,

DR. MARK PASLEY
GEOLOGICAL ADVISOR
direct +1 432.818.1835 | *mobile* +1 832.943.9040 | *office* 6112A
APACHE PERMIAN
303 Veterans Airpark Lane
Midland, TX 79705 USA
ApacheCorp.com | LinkedIn | Facebook | Twitter | StockTwits | YouTube

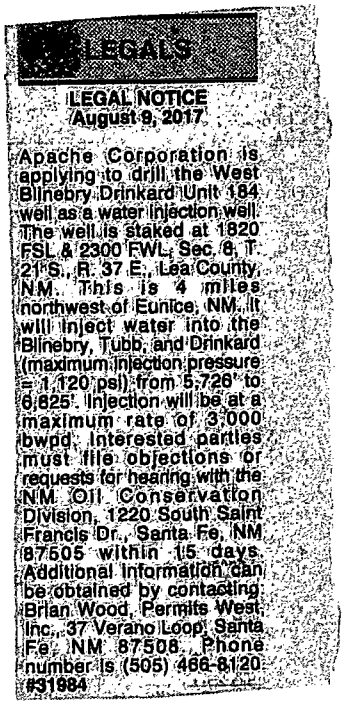
EXHIBIT H

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 09, 2017
and ending with the issue dated
August 09, 2017.



LEGALS

LEGAL NOTICE
August 9, 2017

Apache Corporation is applying to drill the West Blinebry Drinkard Unit 184 well as a water injection well. The well is staked at 1820 FSL & 2300 FWL, Sec. 8, T. 21 S., R. 37 E., Lea County, N.M. This is 4 miles northwest of Eunice, NM. It will inject water into the Blinebry, Tubb, and Drinkard (maximum injection pressure = 1,120 psi) from 5,726' to 6,825'. Injection will be at a maximum rate of 3,000 bwpd. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 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. #31984

Publisher

Sworn and subscribed to before me this
9th day of August 2017.

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

00197715

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

EXHIBIT I

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

August 10, 2017

TYPICAL LETTER

Millard Deck Estate
c/o Harding & Carbone Inc.
1235 North Loop West
Houston RX 77008

Apache Corporation is planning (see attached application) to complete its West Blinebry Drinkard Unit 184 as 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: West Blinebry Drinkard Unit 184 (BLM lease) TD = 6953'
Proposed Injection Zones: Blinebry, Tubb, & Drinkard from 5726' to 6825'
Where: 1820' FSL & 2300' FWL Sec. 8, T. 21 S., R. 37 E., Lea County, NM
Approximate Location: 4 air miles NNW 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

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514951

Delivered

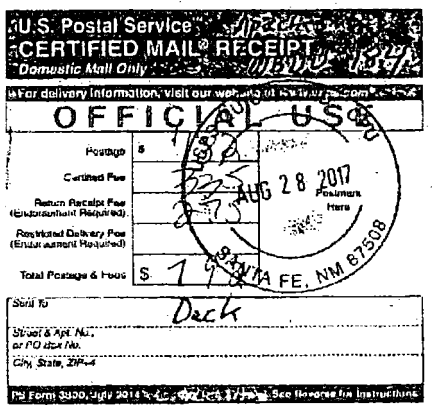
Product & Tracking Information

See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
September 5, 2017, 3:52 pm	Delivered, Left with Individual	HOUSTON, TX 77008
Your item was delivered to an individual at the address at 3:52 pm on September 5, 2017 in HOUSTON, TX 77008.		
September 2, 2017, 12:03 pm	Business Closed	HOUSTON, TX 77008
September 2, 2017, 9:59 am	In Transit to Destination	ON ITS WAY TO HOUSTON, TX 77008
September 1, 2017, 11:59 pm	Arrived at USPS Regional Facility	NORTH HOUSTON TX DISTRIBUTION CENTER

See More



See Less

hat you're looking for?

find answers to your tracking questions.

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514760

Delivered

Updated Delivery Day: Monday, August 14, 2017

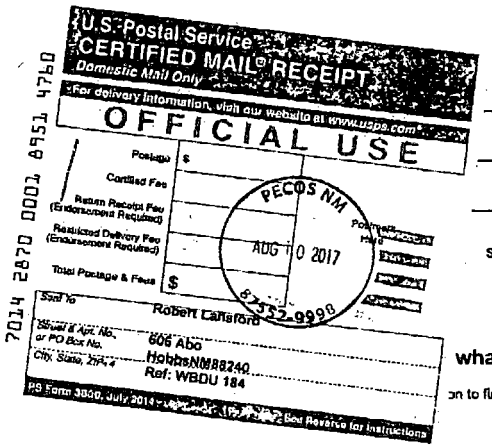
Product & Tracking Information

See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 4:42 pm	Delivered, Left with Individual	HOBBS, NM 88240
Your item was delivered to an individual at the address at 4:42 pm on August 14, 2017 in HOBBS, NM 88240.		
August 14, 2017, 9:50 am	In Transit to Destination	ON ITS WAY TO HOBBS, NM 88240
August 14, 2017, 7:47 am	Out for Delivery	HOBBS, NM 88240
August 14, 2017, 7:37 am	Sorting Complete	HOBBS, NM 88240

See More



See Less

what you're looking for?

on to find answers to your tracking questions.

Track Another Package +

Tracking Number: 70142870000189514739 Remove ×

Delivered

Product & Tracking Information

See Available Actions

Postal Product: Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 3:03 pm	Delivered, Left with Individual	FORT WORTH, TX 76116
Your item was delivered to an individual at the address at 3:03 pm on August 14, 2017 in FORT WORTH, TX 76116.		
August 14, 2017, 6:11 am	Departed USPS Regional Facility	FORT WORTH TX DISTRIBUTION CENTER
August 13, 2017, 9:24 am	In Transit to Destination	ON ITS WAY TO FORT WORTH, TX 76116
August 12, 2017, 2:44 pm	Arrived at USPS Regional Facility	FORT WORTH TX DISTRIBUTION CENTER

See More

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®
OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
RECOS NM AUG 10 2017 87552-9998
Postmark Here
Sent To Patrick Hamilin C/o Steve Hamilin
Street & Apt. No., or PO Box No. 1225 Gabriel Lane
City, State, ZIP+4 Ft. Worth TX 76116
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

See Less

at you're looking for?

find answers to your tracking questions.

https://tools.usps.com/go/TrackConfirmAction?tLabels=14739

Page 1 of 3

USPS Tracking® Results

Track Another Package +

Remove ×

Tracking Number: 70142870000189514678

Delivered

Product & Tracking Information

See Available Actions

Postal Product: Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 16, 2017, 12:24 pm	Delivered	HOBBS, NM 88240
Your item was delivered at 12:24 pm on August 16, 2017 in HOBBS, NM 88240.		
August 14, 2017, 11:15 am	Available for Pickup	HOBBS, NM 88240
August 14, 2017, 9:50 am	In Transit to Destination	ON ITS WAY TO HOBBS, NM 88240
August 14, 2017, 7:47 am	Distribution to PO Box in Progress	HOBBS, NM 88240

See More

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®
OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
RECOS NM AUG 10 2017 87552-9998
Postmark Here
Sent To J R Oil, Ltd. Co.
Street & Apt. No., or PO Box No. PO Box 2975
City, State, ZIP+4 HobbsNM88241
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0001 8951 4678

See Less

hat you're looking for?

o find answers to your tracking questions.

https://tools.usps.com/go/TrackConfirmAction?tLabels=70142870000189514678

Page 1 of 3

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514661

Delivered

Product & Tracking Information

See Available Actions

Postal Product: Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 12:45 pm	Delivered, Left with Individual	MIDLAND, TX 79706
Your item was delivered to an individual at the address at 12:45 pm on August 14, 2017 in MIDLAND, TX 79706.		
August 14, 2017, 1:48 am	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 13, 2017, 9:41 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79706
August 12, 2017, 7:52 pm	Arrived at USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER

See More

Available Actions

Text Updates

See Less

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on to find answers to your tracking questions.

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Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 10 2017 87552-9998
Sent To: Chevron USA
Street & Apt. No., or PO Box No.: 6301 Deauville Blvd.
City, State, ZIP+4: MidlandTX79706
Ref: WBDU 184

189514661

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514654

Delivered

Updated Delivery Day: Monday, August 14, 2017

Product & Tracking Information

See Available Actions

Postal Product: Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 12:07 pm	Delivered, Left with Individual	CARLSBAD, NM 88220
Your item was delivered to an individual at the address at 12:07 pm on August 14, 2017 in CARLSBAD, NM 88220.		
August 14, 2017, 7:22 am	Out for Delivery	CARLSBAD, NM 88220
August 14, 2017, 7:12 am	Sorting Complete	CARLSBAD, NM 88220
August 14, 2017, 5:08 am	Arrived at Unit	CARLSBAD, NM 88220

See More

Available Actions

See Less

d what you're looking for?

tion to find answers to your tracking questions.

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Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 10 2017 87552-9998
Sent To: BLM
Street & Apt. No., or PO Box No.: 620 E. Greene
City, State, ZIP+4: CarlsbadNM88220
Ref: WBDU 184

7014 2870 0001 8951 4654

0189514654

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove ×

Tracking Number: 70142870000189514692

Delivered

Updated Delivery Day: Monday, August 14, 2017 ⓘ

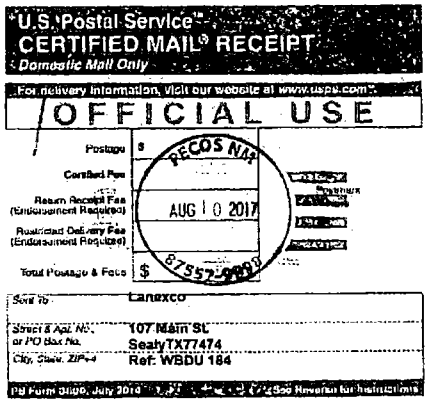
Product & Tracking Information

See Available Actions

Postal Product: **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 10:49 am	Delivered, Left with Individual	SEALY, TX 77474
Your item was delivered to an individual at the address at 10:49 am on August 14, 2017 in SEALY, TX 77474.		
August 14, 2017, 9:08 am	In Transit to Destination	ON ITS WAY TO SEALY, TX 77474
August 14, 2017, 8:56 am	Arrived at Unit	SEALY, TX 77474
August 13, 2017, 9:08 am	In Transit to Destination	ON ITS WAY TO SEALY, TX 77474

See More


U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®
OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
87552-9998
Sent To Lanexco
Street & Apt. No., or PO Box No. 107 Main St
City, State, ZIP+4 SealyTX77474
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

See Less

hat you're looking for?

o find answers to your tracking questions.

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove ×

Tracking Number: 70142870000189514685

Delivered

Updated Delivery Day: Monday, August 14, 2017 ⓘ

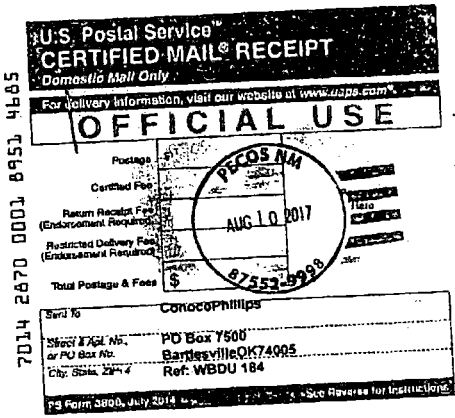
Product & Tracking Information

See Available Actions

Postal Product: **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 7:07 am	Delivered, Individual Picked Up at Postal Facility	BARTLESVILLE, OK 74003
Your item was picked up at a postal facility at 7:07 am on August 14, 2017 in BARTLESVILLE, OK 74003.		
August 14, 2017, 6:53 am	Arrived at Unit	BARTLESVILLE, OK 74003
August 13, 2017, 10:24 pm	Departed USPS Regional Facility	TULSA OK DISTRIBUTION CENTER
August 13, 2017, 9:00 am	In Transit to Destination	ON ITS WAY TO BARTLESVILLE, OK 74003

See More


U.S. Postal Service™
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For delivery information, visit our website at www.usps.com®
OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
87552-9998
Sent To ConocoPhillips
Street & Apt. No., or PO Box No. PO Box 7500
City, State, ZIP+4 BartlesvilleOK74005
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions
7014 2870 0001 8951 4685

See Less

hat you're looking for?

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514715

Delivered

Updated Delivery Day: Monday, August 14, 2017 ⓘ

Product & Tracking Information

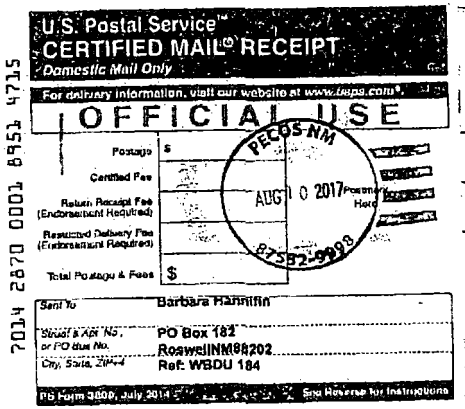
See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 12:44 pm	Delivered	ROSWELL, NM 88201
Your item was delivered at 12:44 pm on August 14, 2017 in ROSWELL, NM 88201.		
August 14, 2017, 8:30 am	Available for Pickup	ROSWELL, NM 88201
August 14, 2017, 8:27 am	Arrived at Unit	ROSWELL, NM 88201
August 14, 2017, 7:59 am	Distribution to PO Box in Progress	ROSWELL, NM 88203

See More

See Less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OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 10 2017
87552-9998
Sent To Barbara Hamilin
Street & Apt. No., or PO Box No. PO Box 182
City, State, ZIP+4 RoswellNM88202
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions
7014 2870 0001 8951 4715

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514708

Delivered

Updated Delivery Day: Wednesday, August 16, 2017 ⓘ

Product & Tracking Information

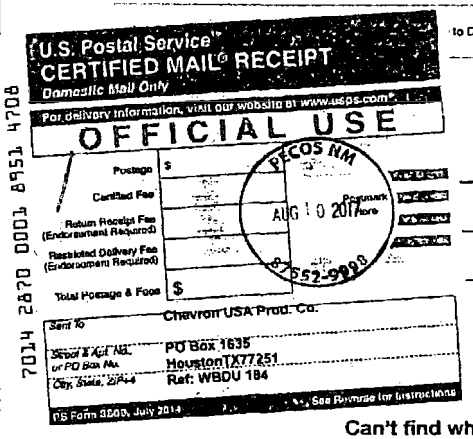
See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 16, 2017, 6:03 am	Delivered, To Agent	HOUSTON, TX 77210
Your item has been delivered to an agent at 6:03 am on August 16, 2017 in HOUSTON, TX 77210.		
August 15, 2017, 12:20 pm	Available for Pickup	HOUSTON, TX 77002
August 15, 2017, 12:16 pm	Arrived at Unit	HOUSTON, TX 77002
	to Destination	ON ITS WAY TO HOUSTON, TX 77210

See More

See Less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Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 10 2017
87552-9998
Sent To Chevron USA Prod. Co.
Street & Apt. No., or PO Box No. PO Box 1635
City, State, ZIP+4 HoustonTX77251
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions
7014 2870 0001 8951 4708

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514746

Delivered

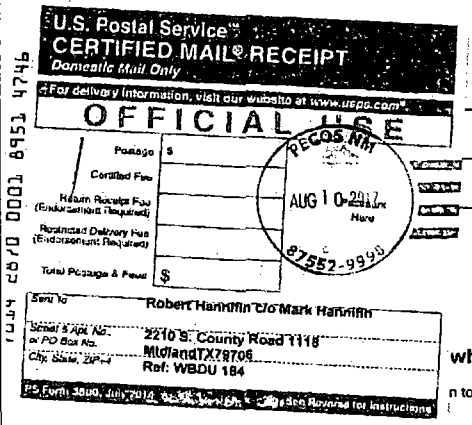
Product & Tracking Information

See Available Actions

Postal Product: **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 17, 2017, 11:29 am	Delivered	MIDLAND, TX 79706
Your item was delivered at 11:29 am on August 17, 2017 in MIDLAND, TX 79706.		
August 14, 2017, 4:44 pm	Notice Left (No Authorized Recipient Available)	MIDLAND, TX 79702
August 14, 2017, 1:48 am	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 13, 2017, 9:41 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79702

See More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Postage $
Certified Fee
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Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
79552-9998
Sent To Robert Hanniffin C/o Mark Hanniffin
Street & Apt. No., or PO Box No. 2210 S. County Road 1118
City, State, ZIP+4 MidlandTX79706
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions
7014 2870 0001 8951 4746

See Less

what you're looking for?

n to find answers to your tracking questions.

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514722

Delivered

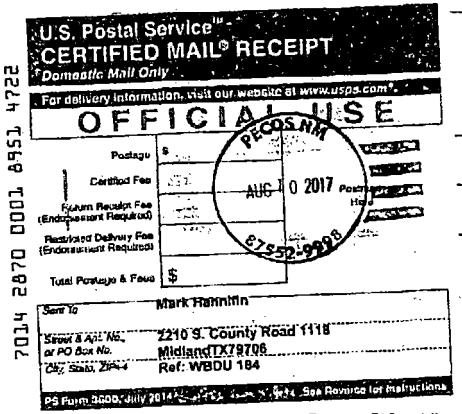
Product & Tracking Information

See Available Actions

Postal Product: **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 17, 2017, 11:29 am	Delivered	MIDLAND, TX 79702
Your item was delivered at 11:29 am on August 17, 2017 in MIDLAND, TX 79702.		
August 14, 2017, 4:44 pm	Notice Left (No Authorized Recipient Available)	MIDLAND, TX 79702
August 14, 2017, 1:48 am	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 13, 2017, 9:41 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79702

See More


U.S. Postal Service™
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OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
79552-9998
Sent To Mark Hanniffin
Street & Apt. No., or PO Box No. 2210 S. County Road 1118
City, State, ZIP+4 MidlandTX79706
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions
7014 2870 0001 8951 4722

See Less

hat you're looking for?

Go to our FAQs section to find answers to your tracking questions.

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514777

Delivered

Product & Tracking Information

See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 28, 2017, 12:57 pm	Delivered	MIDLAND, TX 79701
Your item was delivered at 12:57 pm on August 28, 2017 in MIDLAND, TX 79701.		
August 24, 2017, 9:07 am	Available for Pickup	MIDLAND, TX 79702
August 24, 2017, 8:39 am	Arrived at Unit	MIDLAND, TX 79701
August 17, 2017, 9:49 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79701

See More

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Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 17 2017 87552-9998
Sent To NM Co. Inc.
Street & Apt. No., or PO Box No. PO Box 2479
City, State, ZIP+4 MidlandTX79702
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0001 8951 4777

See Less

hat you're looking for?

Go to our FAQs section to find answers to your tracking questions.

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514753

Delivered

Product & Tracking Information

See Available Actions

Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 11:31 am	Delivered, Left with Individual	MIDLAND, TX 79705
Your item was delivered to an individual at the address at 11:31 am on August 14, 2017 in MIDLAND, TX 79705		
August 14, 2017, 9:13 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79705
August 13, 2017, 10:13 pm	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 13, 2017, 8:41 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79705

See More

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Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM AUG 10 2017 87552-9998
Sent To John Hendrix Corp.
Street & Apt. No., or PO Box No. 6 Desta Dr., Suite 2100
City, State, ZIP+4 MidlandTX79705
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0001 8951 4753

See Less

hat you're looking for?

Go to our FAQs section to find answers to your tracking questions.

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514791

Delivered

Updated Delivery Day: Monday, August 14, 2017

Product & Tracking Information

See Available Actions

Postal Product: | Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 2:21 pm	Delivered	HOBBS, NM 88240
Your item was delivered at 2:21 pm on August 14, 2017 in HOBBS, NM 88240.		
August 14, 2017, 11:15 am	Available for Pickup	HOBBS, NM 88240
August 14, 2017, 9:25 am	In Transit to Destination	ON ITS WAY TO HOBBS, NM 88240
August 14, 2017, 7:47 am	Distribution to PO Box in Progress	HOBBS, NM 88240

See More

See Less

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Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
87552-9990
Sent To: Penroc Oil Corp.
Street & Apt. No., or PO Box No.: PO Box 2769
City, State, ZIP+4: HobbsNM88241
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0001 8951 4791

[illegible]hat you're looking for?

Go to our FAQs section to find answers to your tracking questions.

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514784

Delivered

Product & Tracking Information

See Available Actions

Postal Product: | Features: Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 18, 2017, 10:04 am	Delivered	MIDLAND, TX 79705
Your item was delivered at 10:04 am on August 18, 2017 in MIDLAND, TX 79705.		
August 14, 2017, 10:28 am	Available for Pickup	MIDLAND, TX 79710
August 14, 2017, 10:27 am	Arrived at Unit	MIDLAND, TX 79705
August 14, 2017, 1:27 am	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER

See More

See Less

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Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees $
PECOS NM
AUG 10 2017
87552-9998
Sent To: Oxy USA WTP LP
Street & Apt. No., or PO Box No.: PO Box 50250
City, State, ZIP+4: MidlandTX79710
Ref: WBDU 184
PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0001 8951 4784

[illegible]at you're looking for?

Go to our FAQs section to find answers to your tracking questions.

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514807

Delivered

Product & Tracking Information

See Available Actions

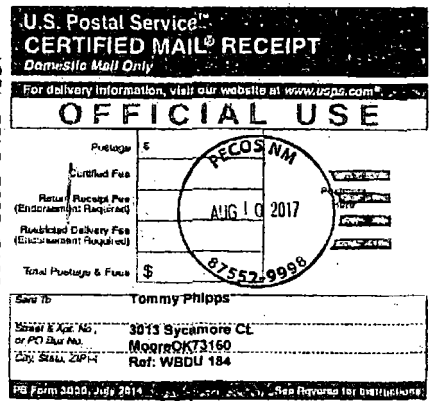
Postal Product: | **Features:** Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 10:08 am	Delivered, Left with Individual	OKLAHOMA CITY, OK 73160
Your item was delivered to an individual at the address at 10:08 am on August 14, 2017 in OKLAHOMA CITY, OK 73160.		
August 14, 2017, 12:46 am	Departed USPS Regional Facility	OKLAHOMA CITY OK DISTRIBUTION CENTER
August 13, 2017, 9:54 am	In Transit to Destination	ON ITS WAY TO OKLAHOMA CITY, OK 73160
August 12, 2017, 1:54 pm	Arrived at USPS Regional Facility	OKLAHOMA CITY OK DISTRIBUTION CENTER

See More

See Less

what you're looking for?



7014 2870 0001 8951 4807

EXHIBIT J

USPS Tracking® Results

FAQs > (http://faq.usps.com/?articleId=220900)

Track Another Package +

Remove X

Tracking Number: 70142870000189514814

Delivered

Product & Tracking Information

See Available Actions

Postal Product: | **Features:** Certified Mail™

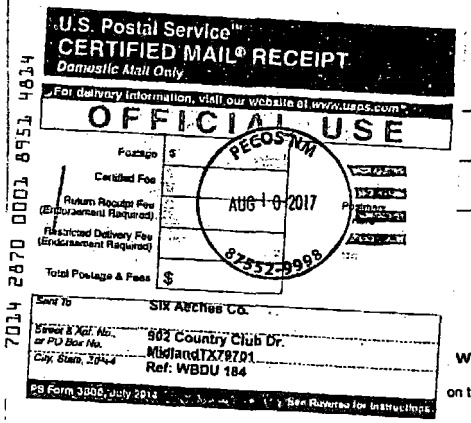
DATE & TIME	STATUS OF ITEM	LOCATION
August 14, 2017, 10:14 am	Delivered, Left with Individual	MIDLAND, TX 79701
Your item was delivered to an individual at the address at 10:14 am on August 14, 2017 in MIDLAND, TX 79701.		
August 14, 2017, 3:25 am	Departed USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 14, 2017, 1:48 am	Arrived at USPS Regional Facility	MIDLAND TX DISTRIBUTION CENTER
August 13, 2017, 9:55 am	In Transit to Destination	ON ITS WAY TO MIDLAND, TX 79701

See More

See Less

what you're looking for?

on to find answers to your tracking questions.



7014 2870 0001 8951 4814

C-108 Review Checklist: Received 9/11/2017 Add. Request: 9/20/2017 Reply Date: ________ Suspended: ________ [Ver 15]

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

Well No. 184 Well Name(s): WBDU

API : 30-0 25-43804 Spud Date: 5/16/2017 New or Old: N (*UIC Class II Primacy 03/07/1982*)

Footages 1820FSL 2300FWL Lot ____ or Unit K Sec 8 Tsp 21S Rge 37E County Lea

General Location: ~3 miles NW/Eunice Pool: Eunice; BLI-T-DR Pool No.: 22900

BLM 100K Map: Jal Operator: Apache Corp OGRID: ________ Contact: ________

COMPLIANCE RULE 5.9: Total Wells: 2946 Inactive: 3 Fincl Assur: OK Compl. Order? NA **IS 5.9 OK?** Y Date: 9-27-2017

WELL FILE REVIEWED ◯ Current Status: ________

WELL DIAGRAMS: NEW: Proposed (✓) or **RE-ENTER:** Before Conv. ◯ After Conv. ◯ Logs in Imaging: Y

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	11"/8 5/8"	1347		575	Surface/Visual
Planned__or Existing __Interm/(Prod)	7 7/8"/5½	6955		1870	Surface/Visual
Planned__or Existing __Interm/Prod					
Planned__or Existing __Prod/Liner					
Planned__or Existing __Liner					
Planned__or Existing __OH / (PERF)	5726/6825		Inj Length		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		Pd	5280
Confining Unit: Litho. Struc. Por.		BL (Dr. 6205)	5726
Proposed Inj Interval TOP:		BL	5726
Proposed Inj Interval BOTTOM:		Abo	6831
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 6952 PBTD 6904

NEW TD ________ NEW PBTD ________

NEW Open Hole ◯ or NEW Perfs ◯

Tubing Size 2⅜ in. Inter Coated? Y

Proposed Packer Depth 5675 ft

Min. Packer Depth 5626 (100-ft limit)

Proposed Max. Surface Press. 1120 psi

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

(A) Hearing Order R-12981 Limit psi 1120 psi

AOR: Hydrologic and Geologic Information

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

FRESH WATER: Aquifer Quaternary Max Depth 167 **HYDRO AFFIRM STATEMENT** By Qualified Person ◯

NMOSE Basin: Capitan **CAPITAN REEF:** thru adj (NA) **No. Wells within 1-Mile Radius?** Y FW Analysis Y

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

Disposal Int: Inject Rate (Avg/Max BWPD): 2.5K/3K Protectable Waters? ____ Source: ________ System: Closed or Open

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

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 30 Horizontals? N/A

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

Penetrating Wells: No. P&A Wells 3 Num Repairs? ____ on which well(s)? ________ Diagrams? Y

NOTICE: Newspaper Date Aug 9, 2017 Mineral Owner BLM, Surface Owner Millard Deck Estate N. Date Aug 28, 2017

RULE 26.7(A): Identified Tracts? Y Affected Persons: Chevron, JR Oil, Anadarko N. Date ________

Order Conditions: Issues: must have packer w/i 100' top of perfs.

Add Order Cond: ________