

DATE IN 12/24/2016	SUSPENSE	ENGINEER MAM	LOGGED IN 12/28/2016	TYPE WFX	APP NO. PMAM163634885
--------------------	----------	--------------	----------------------	----------	-----------------------

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
 X WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

Apache Corporation (OGRID 873)
 West Blinbry Drinkard Unit
 130, 185, 188, & 192
 Eunice; BLI-TU-DR, North (22900)

30-025-42569

30+4+4 wells

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] X Offset Operators, Leaseholders or Surface Owner

[C] X Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] X For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[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

Print or Type Name

(505) 466-8120

Signature

Consultant

Title

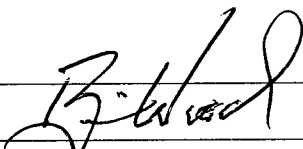
brian@permitswest.com

e-mail Address

12-27-16

Date

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 R-12981 et al
If yes, give the Division order number authorizing the project:
- 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**
130, 185, 188, & 192
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN WOOD TITLE: CONSULTANT
SIGNATURE:  DATE: DEC. 21, 2016
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

Original application
had TD = 6950'

OPERATOR: APACHE CORPORATION

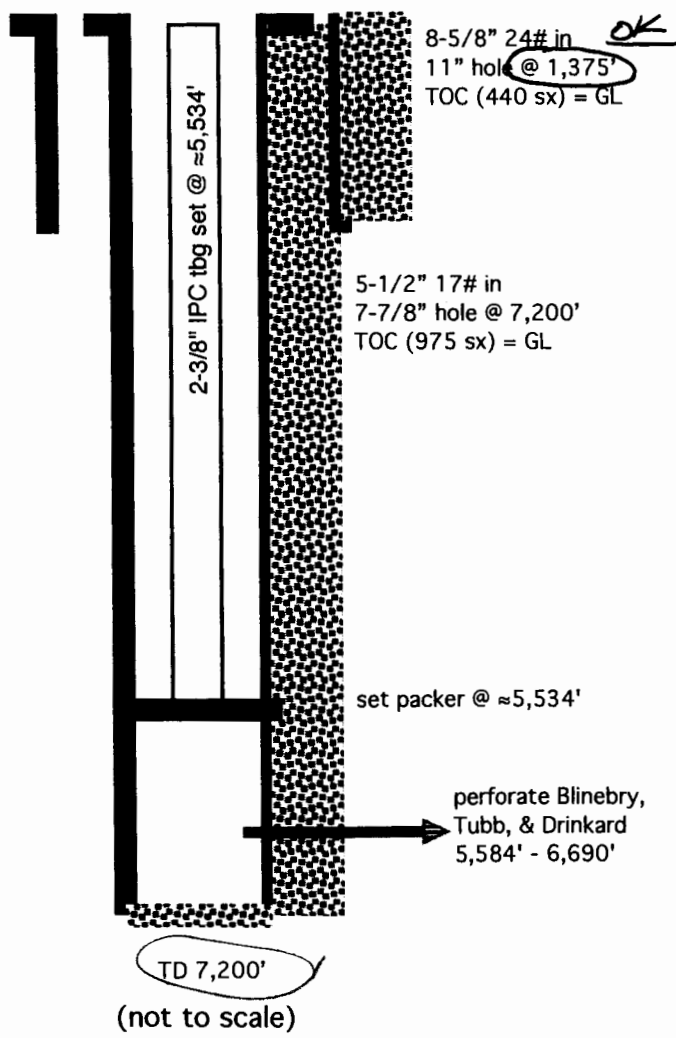
WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 130

WELL LOCATION: 780' FNL & 540' FEL A 17 21 S 37 E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing



Hole Size: 11" Casing Size: 8.625"
Cemented with: 440 sx. or _____ ft³
Top of Cement: GL Method Determined: CIRCULATE

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: 975 sx. or _____ ft³
Top of Cement: GL Method Determined: CIRCULATE
Total Depth: 7200'

Injection Interval

5584' feet to 6690'

(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: ≈5534' (always 100' or less from highest actual perf)

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 (3710'), SAN ANDRES (3990')

UNDER: ABO (6837'), FUSSELMAN (7200')

INJECTION WELL DATA SHEET

Original Application
had TD = 6950'

OPERATOR: APACHE CORPORATION

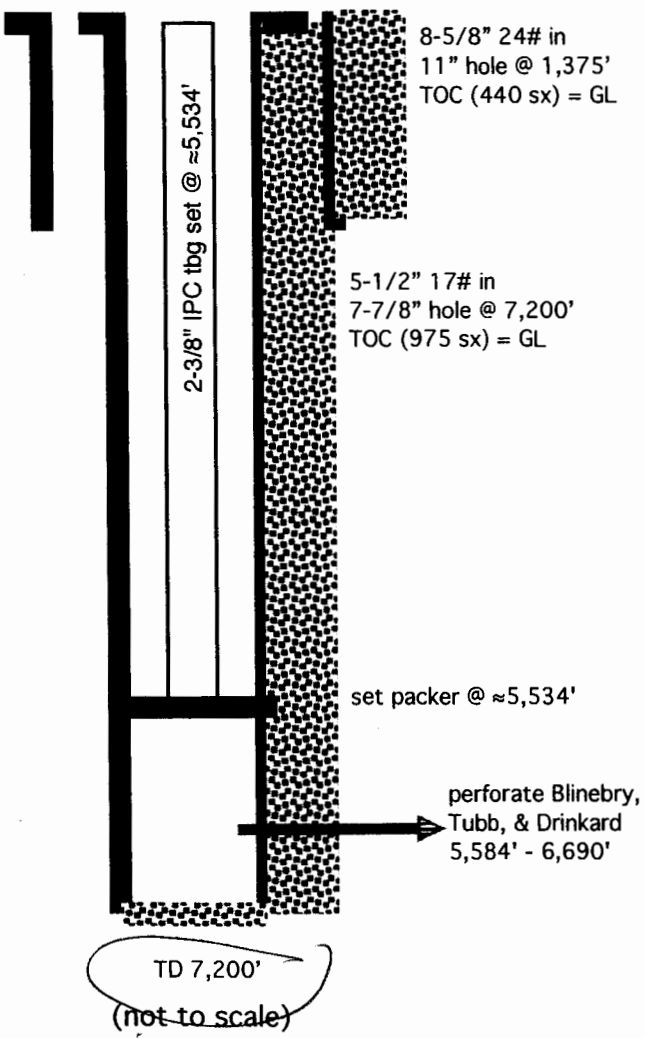
WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 185

WELL LOCATION: 695' FSL & 1760' FEL O 8 21 S 37 E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing



Hole Size: 11" Casing Size: 8.625"
Cemented with: 440 sx. or ft³
Top of Cement: GL Method Determined: CIRCULATE

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: 975 sx. or ft³
Top of Cement: GL Method Determined: CIRCULATE
Total Depth: 7200'

Injection Interval

5584' feet to 6690'

(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: ≈5534' (always 100' or less from highest actual perf)

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 (3717'), SAN ANDRES (4112')

UNDER: ABO (6756'), FUSSELMAN (7200')

INJECTION WELL DATA SHEET

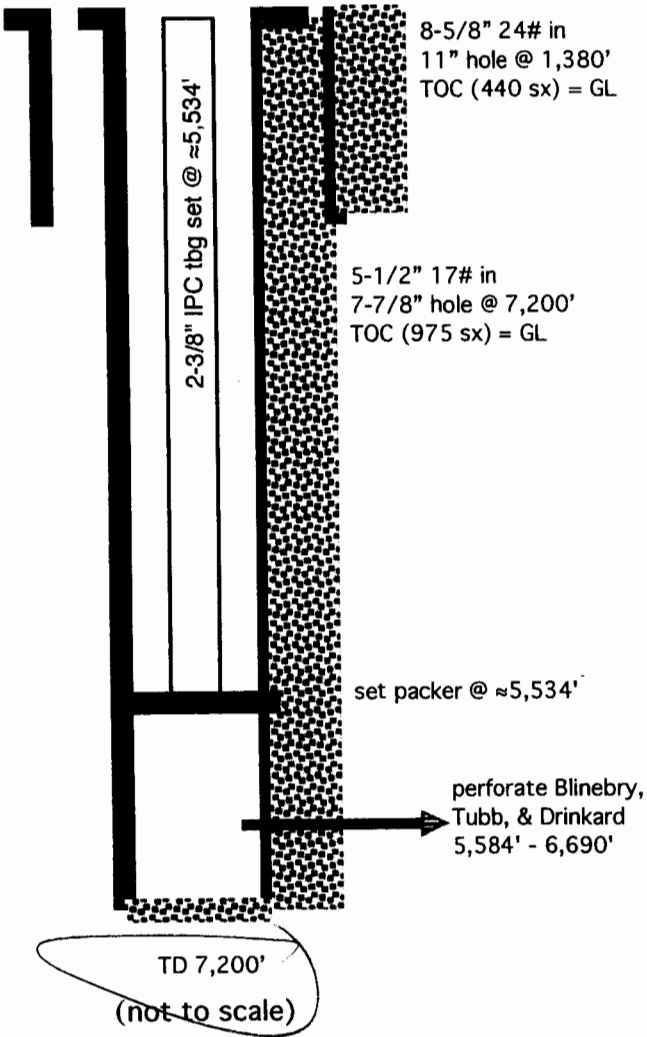
Original Application
had ID = 6950

OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 188

WELL LOCATION: 640' FSL & 2170' FWL N 9 21 S 37 E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11" Casing Size: 8.625"
Cemented with: 440 sx. or _____ ft³
Top of Cement: GL Method Determined: CIRCULATE

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: 975 sx. or _____ ft³
Top of Cement: GL Method Determined: CIRCULATE
Total Depth: 7200'

Injection Interval

5584' feet to 6690'

(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: ≈5534' (always 100' or less from highest actual perf)

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 (3746'), SAN ANDRES (4136')

UNDER: ABO (6683'), FUSSELMAN (7200')

INJECTION WELL DATA SHEET

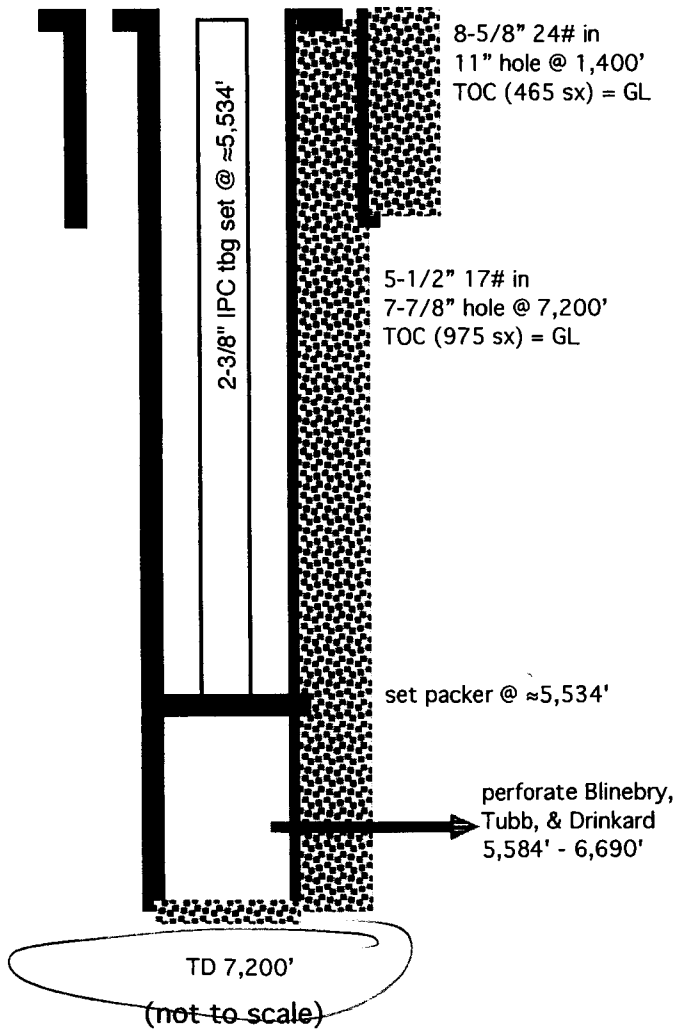
Original Application
bAd TD = 6950

OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 192

WELL LOCATION: 1865' FSL & 1985' FEL J 8 21 S 37 E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11" Casing Size: 8.625"
Cemented with: 465 sx. or ft³
Top of Cement: GL Method Determined: CIRCULATE

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: 975 sx. or ft³
Top of Cement: GL Method Determined: CIRCULATE
Total Depth: 7200'

Injection Interval

5584' feet to 6690'

(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: ≈5534' (always 100' or less from highest actual perf)

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 (3750'), SAN ANDRES (4000')

UNDER: ABO (6683'), FUSSELMAN (7200')

APACHE CORPORATION**PAGE 1****WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM**

I. Goal is to re-permit 4 proposed 7200' deep water injection wells. All 4 were originally approved via WFX-925 on July 14, 2014. None were drilled before the 2-year expiration date of the WFX permit. Injection is proposed for the Blinebry, Tubb, and Drinkard from 5584' to 6690'. This is the correlative interval as measured in 30-025-36344 and as defined in the Unit Agreement Exhibit C.

All zones are in the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900). Wells and zones (Blinebry, Tubb, and Drinkard) are part of the West Blinebry Drinkard Unit (Cases 14125 and 14126, both Order Number R-12981), formed in 2008 by Apache.

WBDU Well	API	Location	Section
130	30-025-42495	780 FNL & 540 FEL	17
185	30-025-42493	695 FSL & 1760 FEL	8
188	30-025-42569	640 FSL & 2170 FWL	9
192	30-025-42494	1865 FSL & 1985 FEL	8

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) Unit Size: 2480 acres Unit Numbers: 300341 & NMNM-120042X
Unit Area (Exhibit B): 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

APACHE CORPORATION
 WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
 T. 21 S., R. 37 E., LEA COUNTY, NM

PAGE 2

Well	BLM Lease	closest lease boundary	closest unit boundary
130	NMLC-032096A	540'	2100'
185	NMNM-090161	625'	1121'
188	NMNM-090161	640'	3110'
192	NMNM-090161	775'	1014'

- A. (2) Proposed casing and cement details are below. Cement will be circulated to the surface. If unsuccessful, then TOC will be determined by temperature log.

well & casing O. D.	pounds per foot	setting depth	hole O. D.	cement sacks	TOC
WBDU 130					
8.625"	24	1375'	11"	440	GL
5.5"	17	7200'	7.875"	975	GL
WBDU 185					
8.625"	24	1375'	11"	440	GL
5.5"	17	7200'	7.875"	975	GL
WBDU 188					
8.625"	24	1380'	11"	440	GL
5.5"	17	7200'	7.875"	975	GL
WBDU 195					
8.625"	24	1400'	11"	465	GL
5.5"	17	7200'	7.875"	975	GL

- A. (3) Tubing will be internally plastic coated 2-3/8", J-55, 4.7#. Setting depths $\approx$ 50' above the highest perforation.
- A. (4) A nickel-plated Arrow-set packer will be set $\approx$ 50' above the highest perforation in each well.

WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM

- B. (1) Injection zone will be the Blinebry, Tubb, and Drinkard carbonates. The zones are part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (22900). Estimated fracture gradient is ≈ 0.56 psi per foot.
- B. (2) The wells and injection intervals will be cased holes.
- B. (3) Wells were originally planned as oil wells, but will be drilled and completed as water injection wells.
- B. (4) The wells have not yet been drilled.
- B. (5) Next higher oil or gas zone in the area of review is the San Andres, part of the Hare; San Andres (Gas) Pool (78080). Its estimated bottom ranges from 5130' to 5220'. Injection will occur in the Blinebry - Drinkard interval. Blinebry top ranges from 5618' to 5724'. Next lower oil or gas zone in the area of review is the Wantz; Abo Pool (62700). Abo top ranges from 6683' to 6837'. Abo will not be perforated. However, it will be penetrated to allow for better logs.

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 over a dozen water flood expansion (WFX) approvals since then.

V. Exhibit C shows all 147 existing or proposed wells (122 oil or gas wells + 17 water injection wells + 6 P&A wells + 2 water wells) in the areas of review, regardless of depth. Exhibit D shows all 828 existing wells (619 oil or gas wells + 101 injection or disposal wells + 87 P & A wells + 20 water wells + 1 brine well) within 2-mile radii.

Exhibit E shows all leases (only BLM, State, and fee) within a half-mile radius. Exhibit F shows all lessors (only BLM, State, and fee) within a two-mile radius. Details on the leases within a half-mile follow on the next two pages.

APACHE CORPORATION

**WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM**

PAGE 4

Aliquot parts in 130 Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Binebry, Tubb, or Drinkard Operator
SE4 & SWSE Sec. 8	BLM	NMNM-090161	Apache & Chevron	Apache
W2SW4 & SESW Sec. 9	BLM	NMNM-090161	Apache & Chevron	Apache
NW4 Sec. 16	NMSLO	B0-1557-0001	Occidental	N/A
NW4 Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
N2SW4 Sec. 16	NMSLO	B0-0085-0016	Apache	Apache
E2NE4 & NESE Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache
NWNE Sec. 17	fee	Weatherly	Apache	Apache
SWNE & NWSE Sec. 17	fee	W W Weatherly	Apache	Apache
E2NW4 Sec. 17	fee	Mittie Weatherly	Chevron	N/A
Aliquot parts in 185 Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Binebry, Tubb, or Drinkard Operator
E2SW4 & SE4 Sec. 8	BLM	NMNM-090161	Apache & Chevron	Apache
W2SW4 & SENW Sec. 8	fee	H T Mattern	Chevron	N/A
S2NE4 Sec. 8	BLM	NMLC-031741A	Apache, Chevron, & ConocoPhillips	Apache
SWNW Sec. 9	BLM	NMLC-031741A	Apache, Chevron, & ConocoPhillips	Apache
W2SW4 Sec. 9	BLM	NMNM-090161	Apache & Chevron	Apache
NWNW Sec. 16	NMSLO	B0-1557-0001	Occidental	N/A
NWNW Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
E2NE4 Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache
NWNE Sec. 17	fee	Weatherly	Apache	Apache
SWNE Sec. 17	fee	W W Weatherly	Apache	Apache
E2NW4 & NWNW Sec. 17	fee	Mittie Weatherly	Chevron	N/A

APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM

PAGE 5

Aliquot parts in 188 Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Binebry, Tubb, or Drinkard Operator
E2SE4 Sec. 8	BLM	NMNM-090161	Apache & Chevron	Apache
S2 & SENW Sec. 9	BLM	NMNM-090161	Apache & Chevron	Apache
SWNW Sec. 9	BLM	NMLC-031741A	Apache, Chevron, & ConocoPhillips	Apache
SWNE Sec. 9	fee	Southland Royalty A	Apache	Apache
NW4 Sec. 16	NMSLO	B0-1557-0001	Occidental	N/A
NW4 Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
N2NE4 & SWNE Sec. 16	NMSLO	B0-1732-0001	Apache	Apache
NENE Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache
Aliquot parts in 192 Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Binebry, Tubb, or Drinkard Operator
S2 Sec. 8	BLM	NMNM-090161	Apache & Chevron	Apache
SENE & NE4 Sec. 8	BLM	NMLC-031741A	Apache, Chevron, & ConocoPhillips	Apache
S2NW4 & W2SW4 Sec. 8	fee	H T Mattern	Chevron	N/A
SWNW Sec. 9	BLM	NMLC-031741A	Apache, Chevron, & ConocoPhillips	Apache
W2SW4 Sec. 9	BLM	NMNM-090161	Apache & Chevron	Apache
NENE Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache
NWNE Sec. 17	fee	Weatherly	Apache	Apache
NENW Sec. 17	fee	Mittie Weatherly	Chevron	N/A

VI. One hundred forty-seven existing wells (Exhibit G) are within the areas of review. Ninety-one of the wells penetrated (82) or will penetrate (9) the Blinebry (top $\geq 5584'$ as defined in Unit Agreement Exhibit C, actual shallowest Blinebry top in these 4 wells is 5618'). Tables abstracting the well construction details and histories of the penetrators are in Exhibit H. Three of the 82 penetrators are P&A. Diagrams of the three P&A wells are in Exhibit I, sorted by API number.

- VII. 1. Average injection rate will be ≈ 2500 bwpd per well.
Maximum injection rate will be ≈ 3000 bwpd per well.
2. System will be closed. The wells are 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 ≈ 1100 psi. Maximum injection pressure will be 1120 psi (Conclusion 24 of Order R-12981).
4. Water source will be two existing $\approx 4000'$ 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 43,408,876 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

WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM

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. Apache has 124 active or proposed oil wells and 38 active or proposed injection 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. Dip is 1° to 2°. The injection interval is Leonardian in age, ≈1106' 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 160 injection wells active or proposed in the Eunice; Blinebry-Tubb-Drinkard, North Pool (code = 22900). West Blinebry Drinkard Unit shares its east border with Apache's Northeast Drinkard Unit. Three similar water floods (East Blinebry Drinkard Unit, 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:

FORMATION	WBDU 130	WBDU 185	WBDU 188	WBDU 192
Quaternary	0	0	0	0
Rustler	1261	1250	1250	1308
Top of Salt	1351	1340	1340	1400
Base of Salt/Tansill	2498	2513	2513	2545
Yates	2672	2652	2656	2686
Seven Rivers	2886	2899	2899	2930
Queen	3431	3437	3463	3470
Grayburg	3710	3717	3746	3750

APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 130, 185, 188, & 192
T. 21 S., R. 37 E., LEA COUNTY, NM

PAGE 8

FORMATION	WBDU 130	WBDU 185	WBDU 188	WBDU 192
San Andres	3990	4112	4136	4000
Glorieta	5130	5199	5175	5220
Paddock	5190	5277	5240	5275
Blinebry	5724	5674	5680	5618
Tubb	6163	6208	6126	6230
Drinkard	6489	6512	6437	6539
Abo	6837	6756	6683	6683
TD	7200	7200	7200	7200

State Engineer records (Exhibit J) indicate two water wells (CP 01026 & 00554) are within a mile (1610 meters) radius. Deepest of the water wells is 167'. Water sands were reported from 220' to 240' in an oil well (30-025-06642) in B-17-21s-37e. One water well (CP 00554) was dry on November 2, 2016. The other water well (CP 01026 (aka, Kerbo Domestic)) was sampled. Two other wells not in State Engineer records, but within a mile, were found and sampled. A total of 6 wells within 7,000' were sampled. Analyses are in Exhibit K. Ogallala aquifer is $\geq 1\frac{1}{4}$ mile northeast.

No existing underground drinking water source is below the injection interval within a mile radius.

There will be >5300' of vertical separation, including <1000' of salt and anhydrite, between the bottom of the only likely underground fresh water source (red beds) and the top of the injection zone. Water sands were reported from 220' to 240' in an oil well (30-025-06642) in B-17-21s-37e. Produced water is currently being injected (196 wells) or disposed (8 wells) into the Yates, Seven Rivers, Queen, Grayburg, San Andres, Blinebry, Tubb, and Drinkard in T. 21 S., R. 37 E.

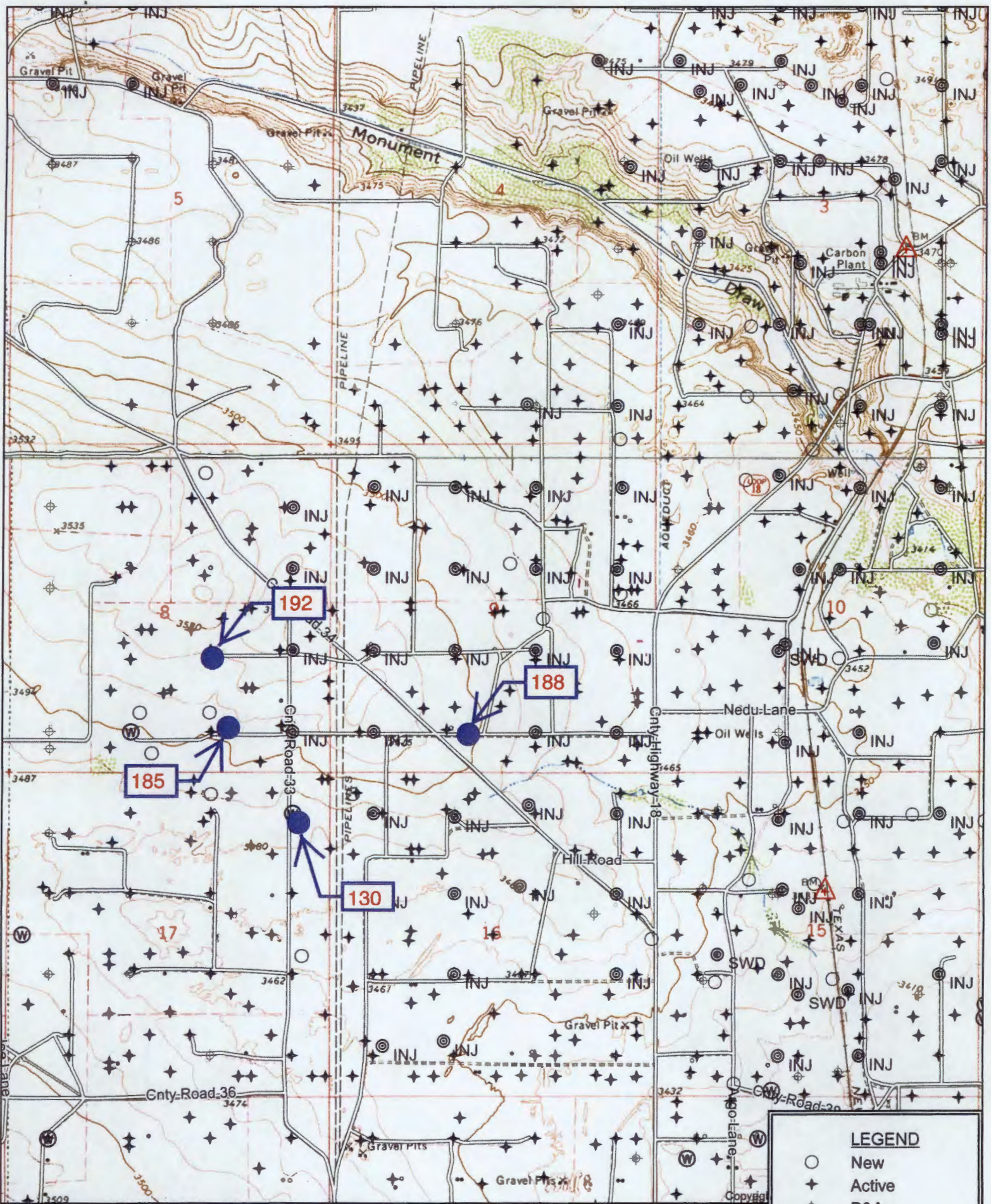
IX. The wells will be stimulated with acid.

X. Open hole dual laterolog, MSFL, CNL, litho-density, gamma ray, and caliper logs will be run from TD to the base surface casing. CNL and gamma ray logs will be run from TD to GL.

XI. Four fresh water wells are within the four 1-mile radii. Three of the four (the fourth was dry) were sampled and analyses from those wells in Exhibit K. Analyses from three other wells within 7,000' are also in Exhibit K.

XII. Apache (Exhibit L) 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. There are 160 active or proposed Blinebry, Tubb, or Drinkard injection wells in New Mexico. Previously approved water flood expansions (WFX-) in the unit include 854, 857, 913, 921, 922, 923-A, 923-B, 924, 948, 952, 954, 955, 958, and 959.

XIII. A legal ad (see Exhibit M) was published November 2, 2016. Notice (this application) has been sent (Exhibit N) to the surface owners (Chevron (130) and Millard Deck Estate (185, 188, & 192)), offset Blinebry, Tubb, or Drinkard operators (none), offset non-Blinebry, Tubb, or Drinkard operators (Chevron), government lessors (BLM, NMSLO), lessees (Chevron, ConocoPhillips, Occidental), or leasehold operating rights holders (Buttram Energies, ConocoPhillips, Ganz (Carl), Ganz Trust, Hannifin (Barbara), Hannifin (Mark), Hannifin (Patrick), Hannifin (Robert), John Hendrix Corp., Johnson (Cathy), Lanexco, Lansford (Robert), NM Co. Inc., Oxy USA, Pearlbrook Estate, Penroc Oil Corp., Phipps (Tommy), Production Company Gathering Co., Six Aches, and Vance Family Partnership,) in the areas of review.



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

EXHIBIT A

LEGEND

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

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, New Mexico 87505

HOBBS OCD

MAR 30 2015

RECEIVED

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42495	Pool Code 22900	Pool Name Eunice; BLi-Tu-Dr, North
Property Code 37346	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 130W
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3485'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	21-S	37-E		780	NORTH	540	EAST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	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

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sorina L Flores 4/3/11
Signature Date

Sorina L. Flores
Printed Name

Sorina Flores
E-mail Address

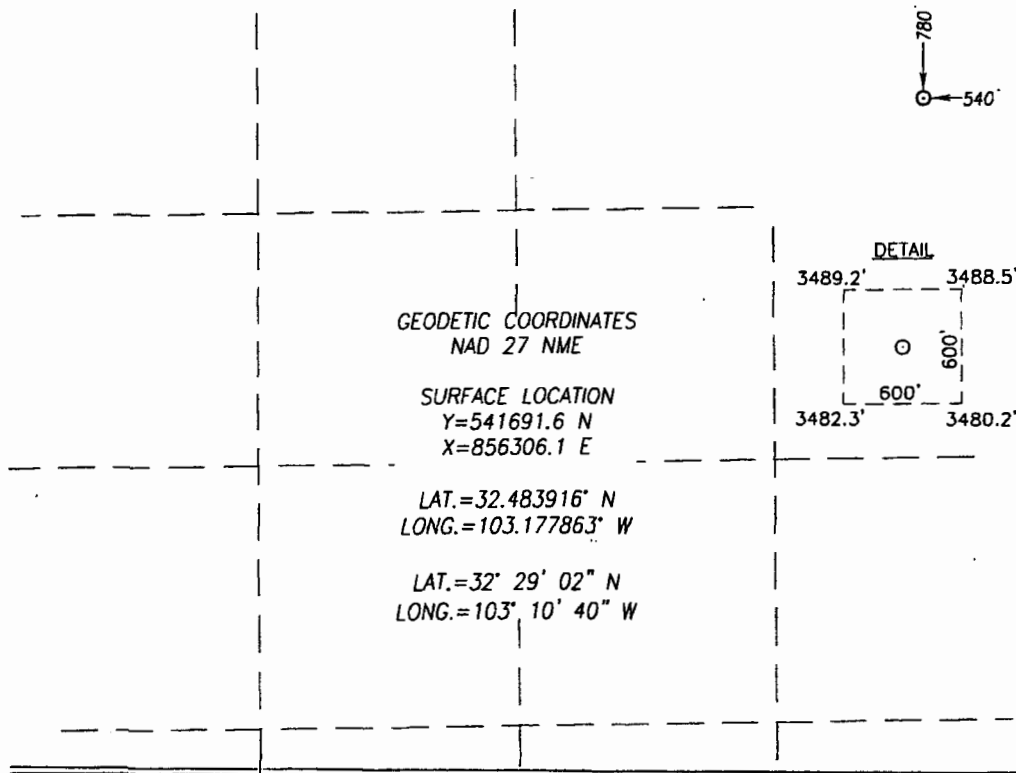
SURVEYOR CERTIFICATION

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.

DECEMBER 24, 2013

Date of Survey
Signature & Seal of Professional Surveyor:

MARY G. EIDSON
ME EXHIBIT A



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, New Mexico 87505

HOBBS OCD

MAR 30 2015

RECEIVED

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42493	Pool Code 22900	Pool Name EUNICE; BLT-TU-DR, NORTH
Property Code	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 185W
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3503'

Surface Location

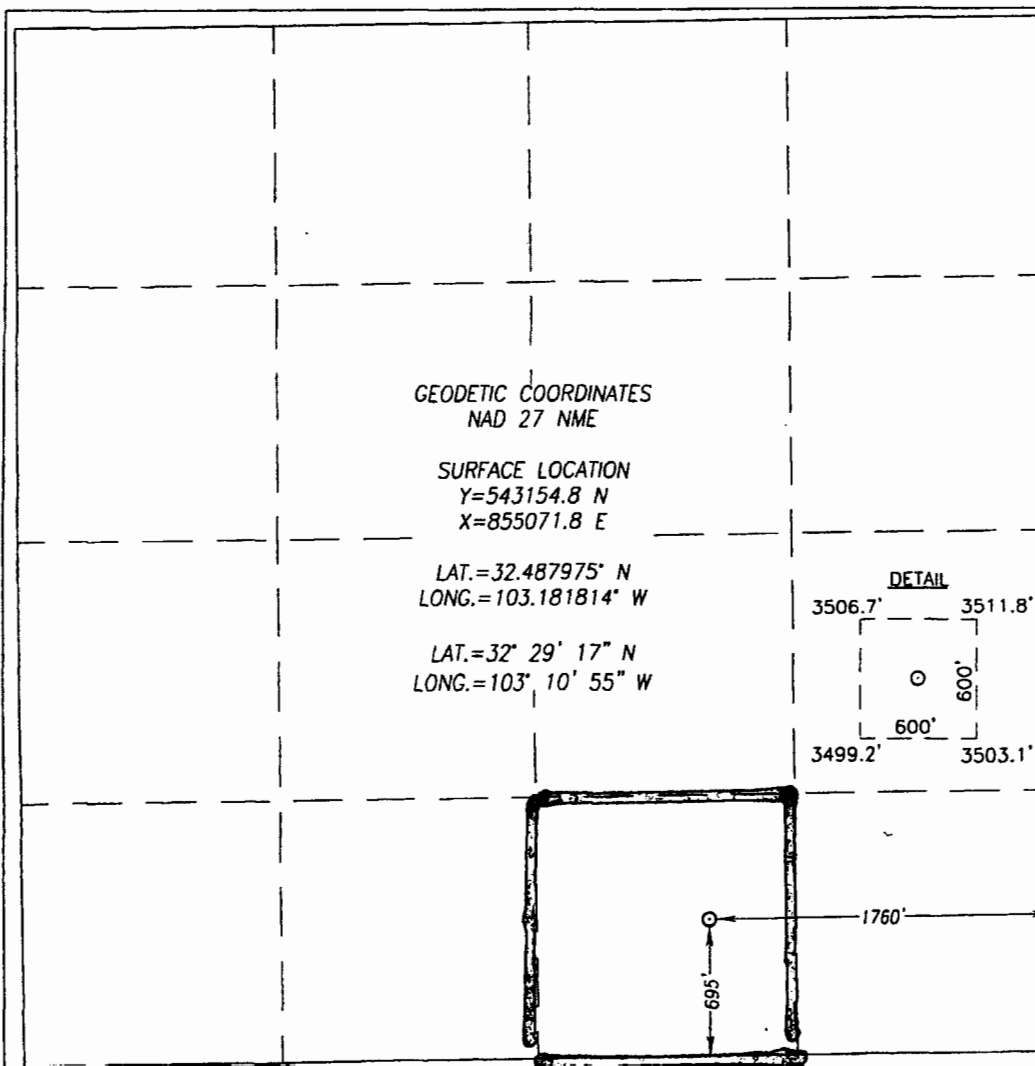
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	8	21-S	37-E		695	SOUTH	1760	EAST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sorina L Flores 4/3/14
Signature Date

Sorina L. Flores
Printed Name

sorina.flores@apachecorp.com
E-mail Address

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.

DECEMBER 23, 2013

Date of Survey
Signature & Seal of Professional Surveyor:

GARY G. EIDSON
NEW MEXICO
126 EXHIBIT A
14/14
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239
BKL PROFESSIONAL SURVEYOR W.O.: 13.11.1278

HOBBS OCD

MAY 19 2015

Form C-182

Revised August 1, 2011

Submit two copies to appropriate District Office

RECEIVED

AMENDED REPORT

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6361 Fax: (505) 393-6320

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (505) 753-7283 Fax: (505) 748-9720

DISTRICT III
1600 Rio Brazos Road, Artesia, NM 88210
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, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-085-42569	Pool Code 22900	Pool Name Eunice; Bli-Tu-Dr, North
Property Code 37346	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 1883
OGRIID No. 873	Operator Name APACHE CORPORATION	Elevation 3500'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	9	21-S	37-E		640	SOUTH	2170	WEST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 543137.8 N X= 859001.8 E LAT.=32.487811' N LONG.=103.189071' W LAT.=32° 29' 16" N LONG.=103° 10' 09" W DETAIL 3504.3' 3496.7' 3502.3' 3495.0' 2170' 640' SEE DETAIL	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Sorina L. Flores</i> 4/3/14 Signature Date <i>Sorina L. Flores</i> Printed Name <i>Sorina.Flores@apachecorp.com</i> E-mail Address 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. DECEMBER 30, 2013 Date of Survey Signature & Seal of Professional Surveyor: <i>GARY E. ELSON</i> NEW MEXICO 12641 EXHIBIT A Certificate Number: 12641 Professional Surveyor: Gary E. Elson JOFESS/Ronald J. Elson 3239 ACK JWSC W.O.: 13.11.1279
---	---

MAY 19 2015

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, New Mexico 87505

HOBBS OCD

MAR 30 2015

RECEIVED

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42494	Pool Code 22900	Pool Name Eunice; Bli-Tu-Dr, North
Property Code 37346	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 192W
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3521'

Surface Location

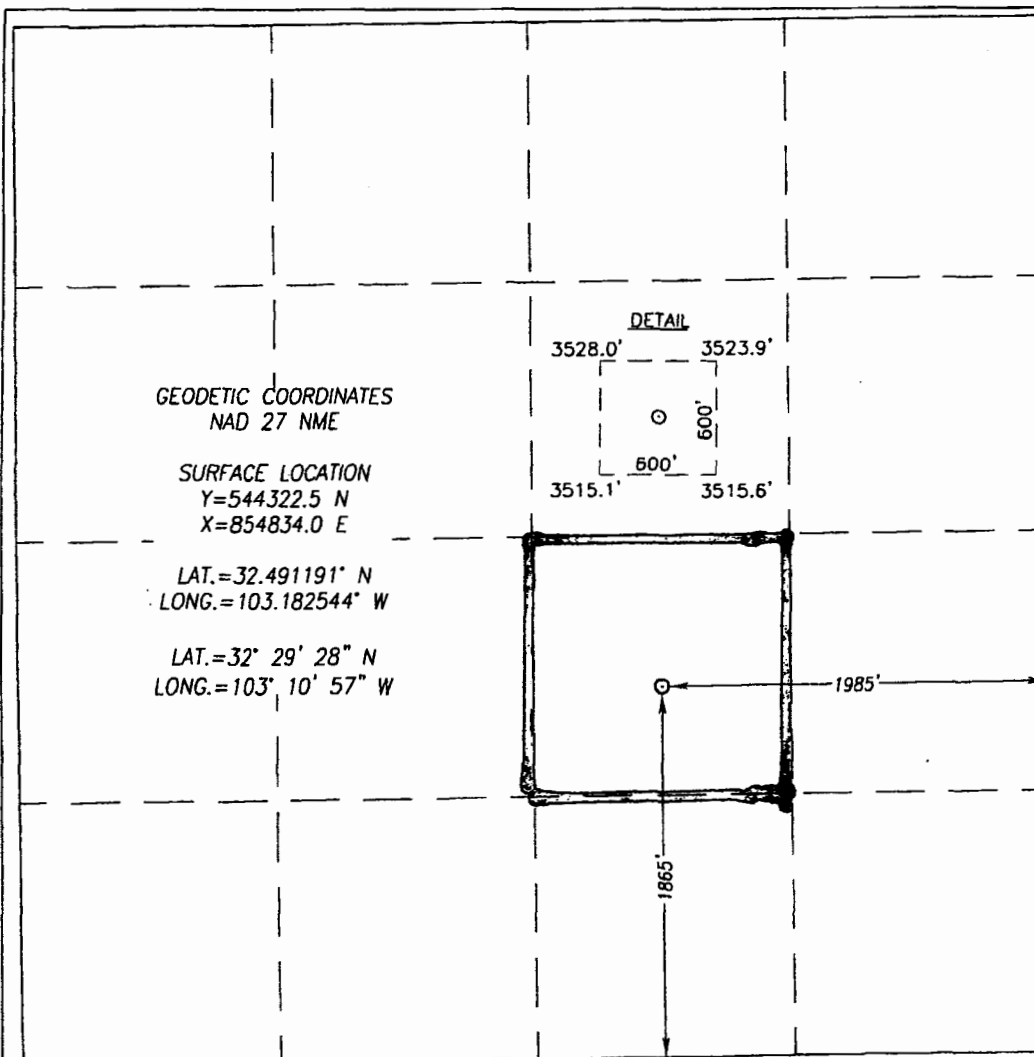
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	8	21-S	37-E		1865	SOUTH	1985	EAST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sorina L. Flores 4/3/14
Signature Date

Sorina L. Flores
Printed Name

sorina.flores@apachecorp.com
E-mail Address

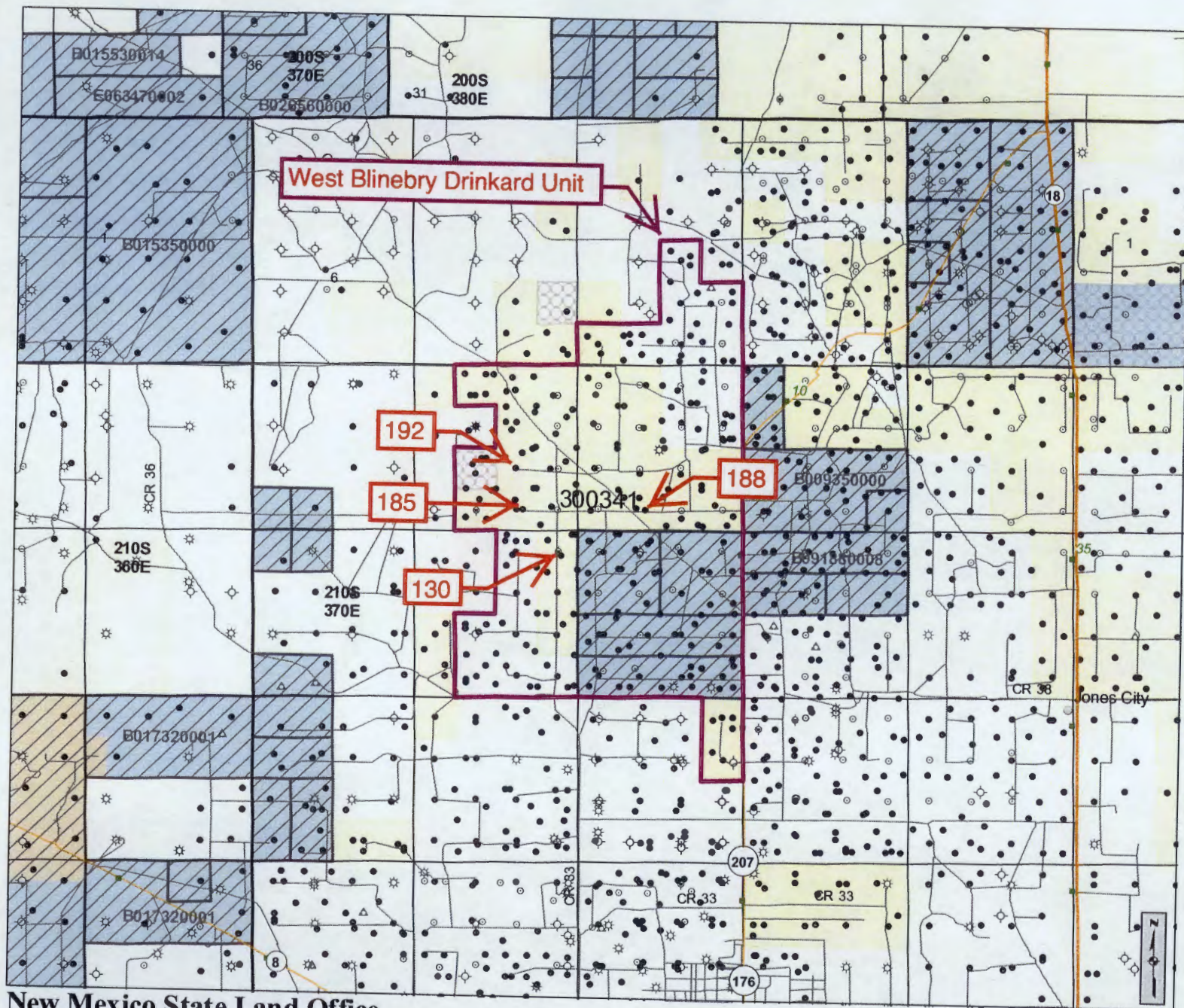
SURVEYOR CERTIFICATION

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.

DECEMBER 23, 2013

Date of Survey
Signature & Seal of Professional Surveyor:

GARY G. EIDSON
NEW MEXICO
12641
EXHIBIT A
1/9/14
Certificate Number
BKL JWSC W.O.: 13.11.1280



Cartographic Features

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- NM Hwy
- US 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 Subsurface 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
- NMOC Order R-111-P
- Potash Enclave Outline

NMOC Oil and Gas Wells

- CO₂
- Injection
- Oil
- Water
- Gas
- Miscellaneous
- Salt Water Disposal
- DA or PA

New Mexico State Land Office Oil, Gas and Minerals

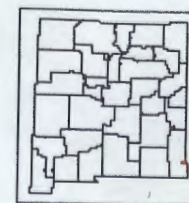
0 0.2 0.4 0.8 1.2 1.6 Miles
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

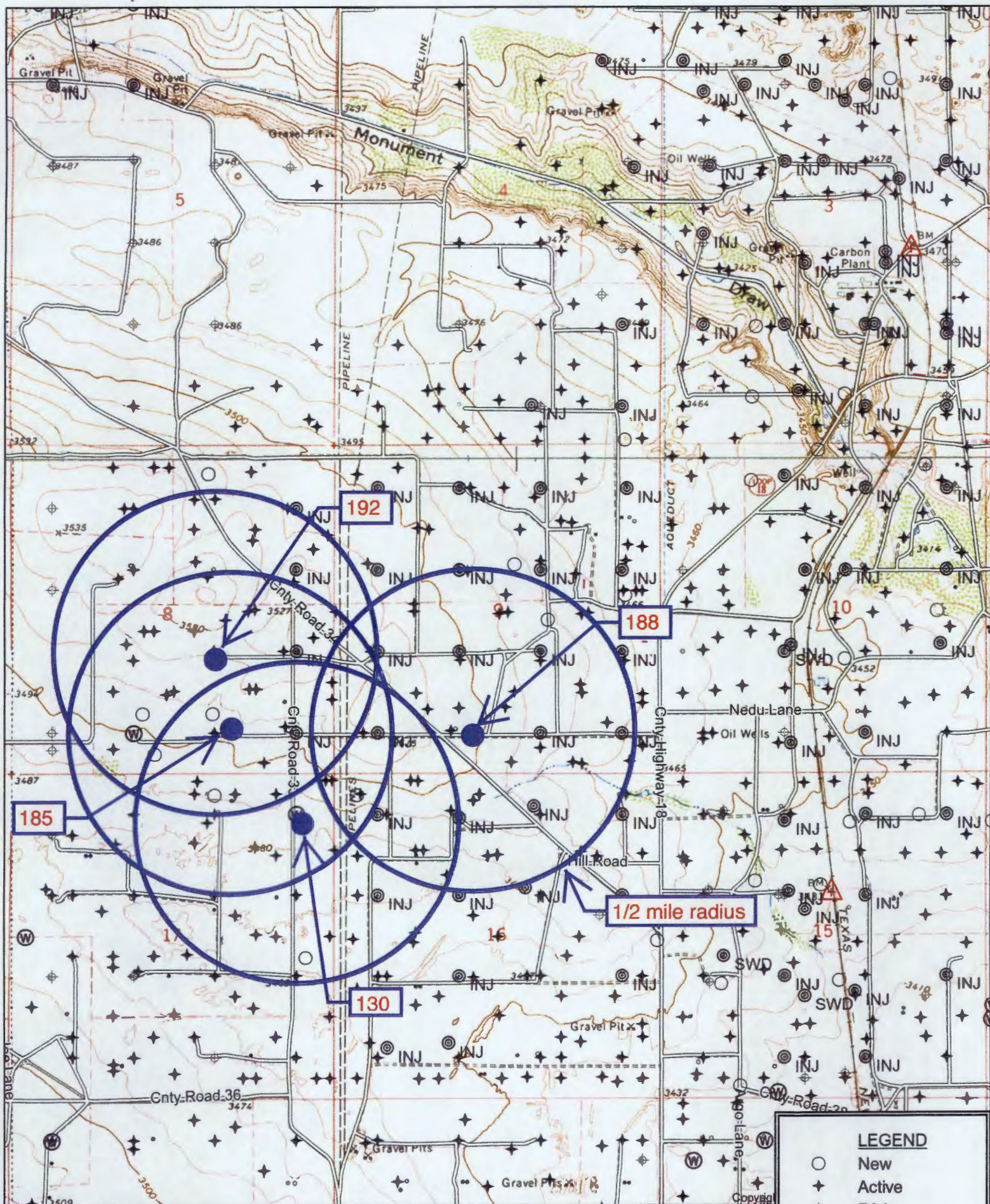
Land Office Geographic Information Center
logic@slo.state.nm.us

Created On: 11/22/2015 7:24:18 PM

EXHIBIT B



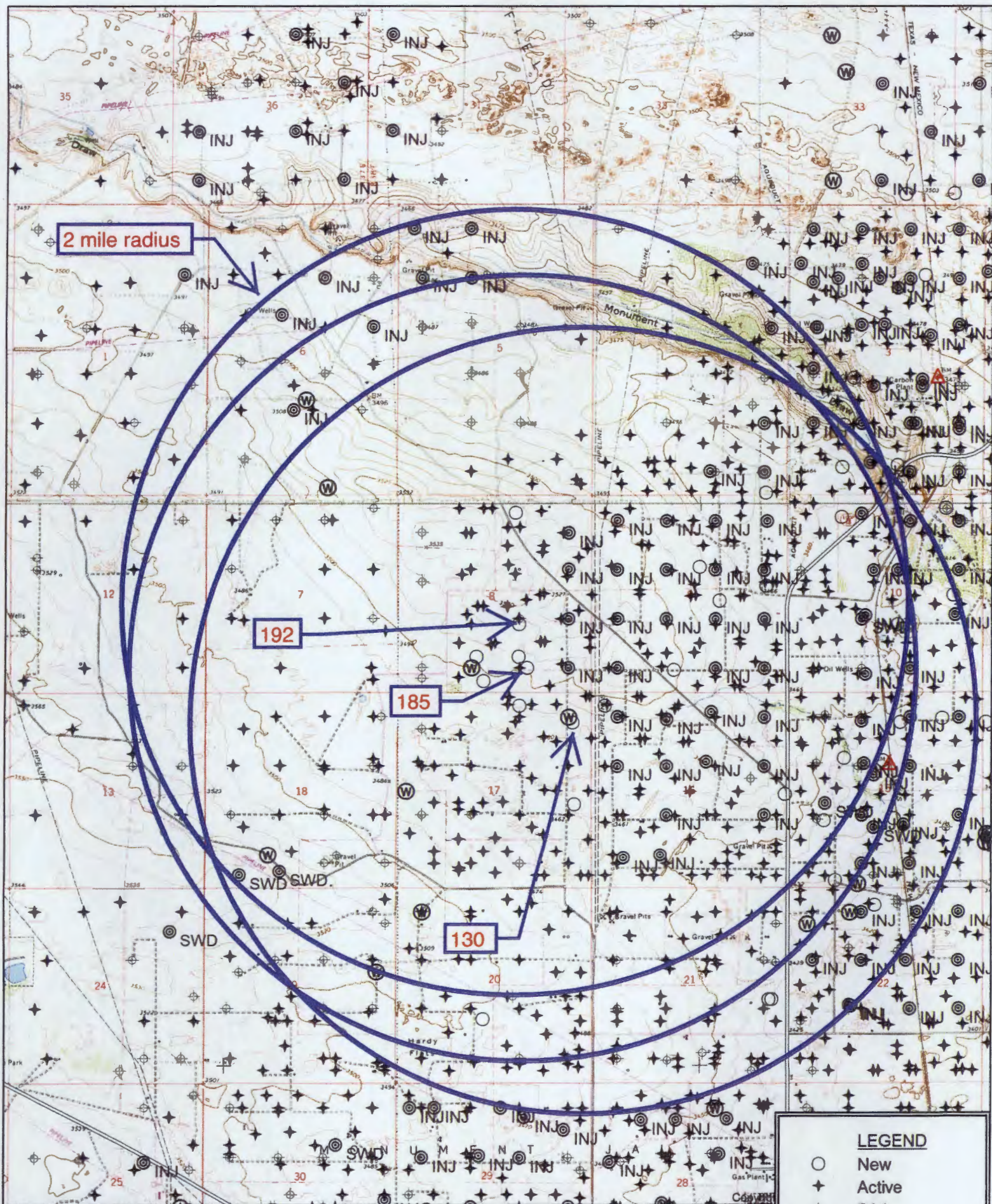
www.nmstatelands.org



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

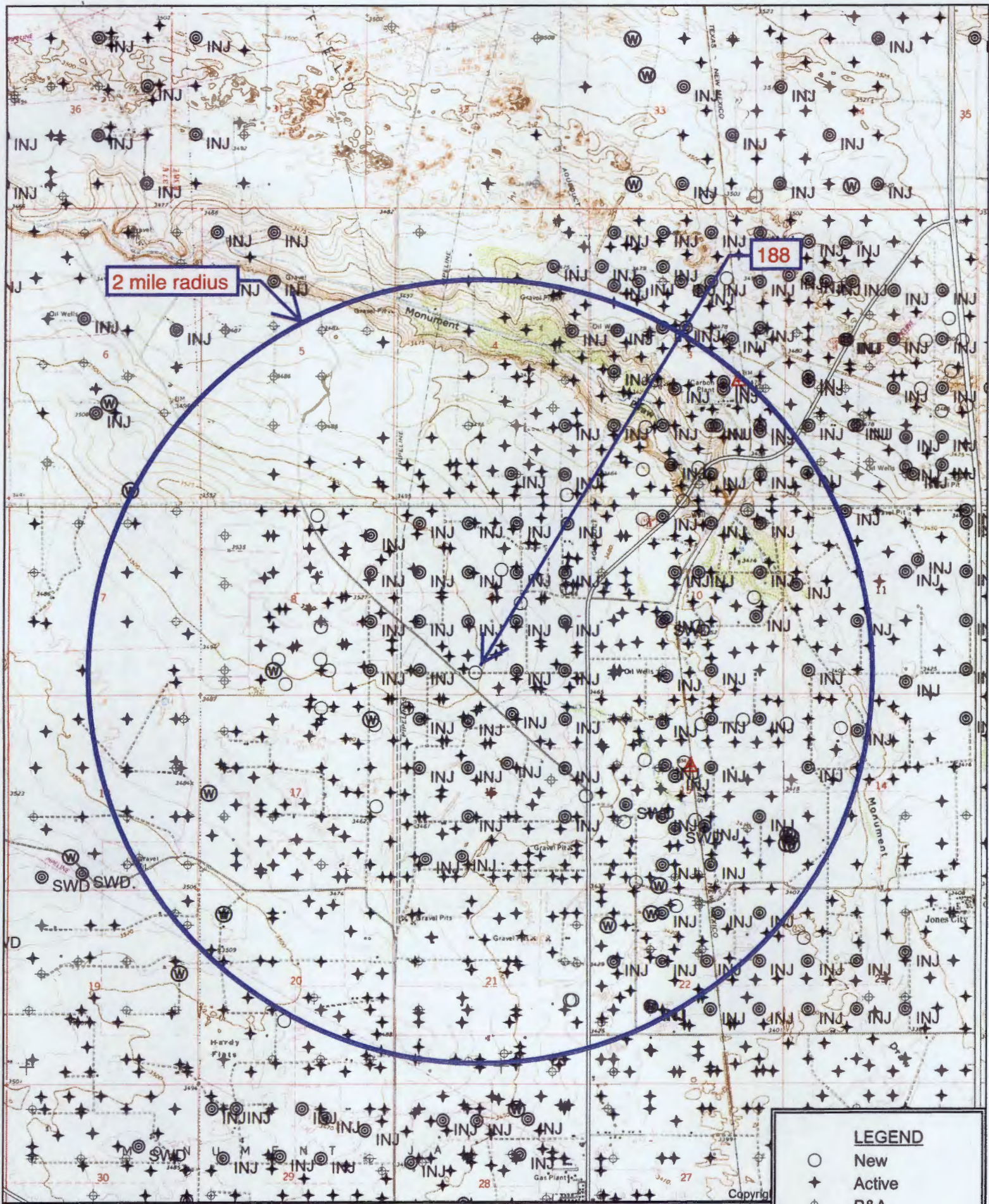
EXHIBIT C

LEGEND	
○	New
+	Active
⊕	P&A
⊙	INJ
⊙	SWD
⊙	Water



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

EXHIBIT D



2 mile radius

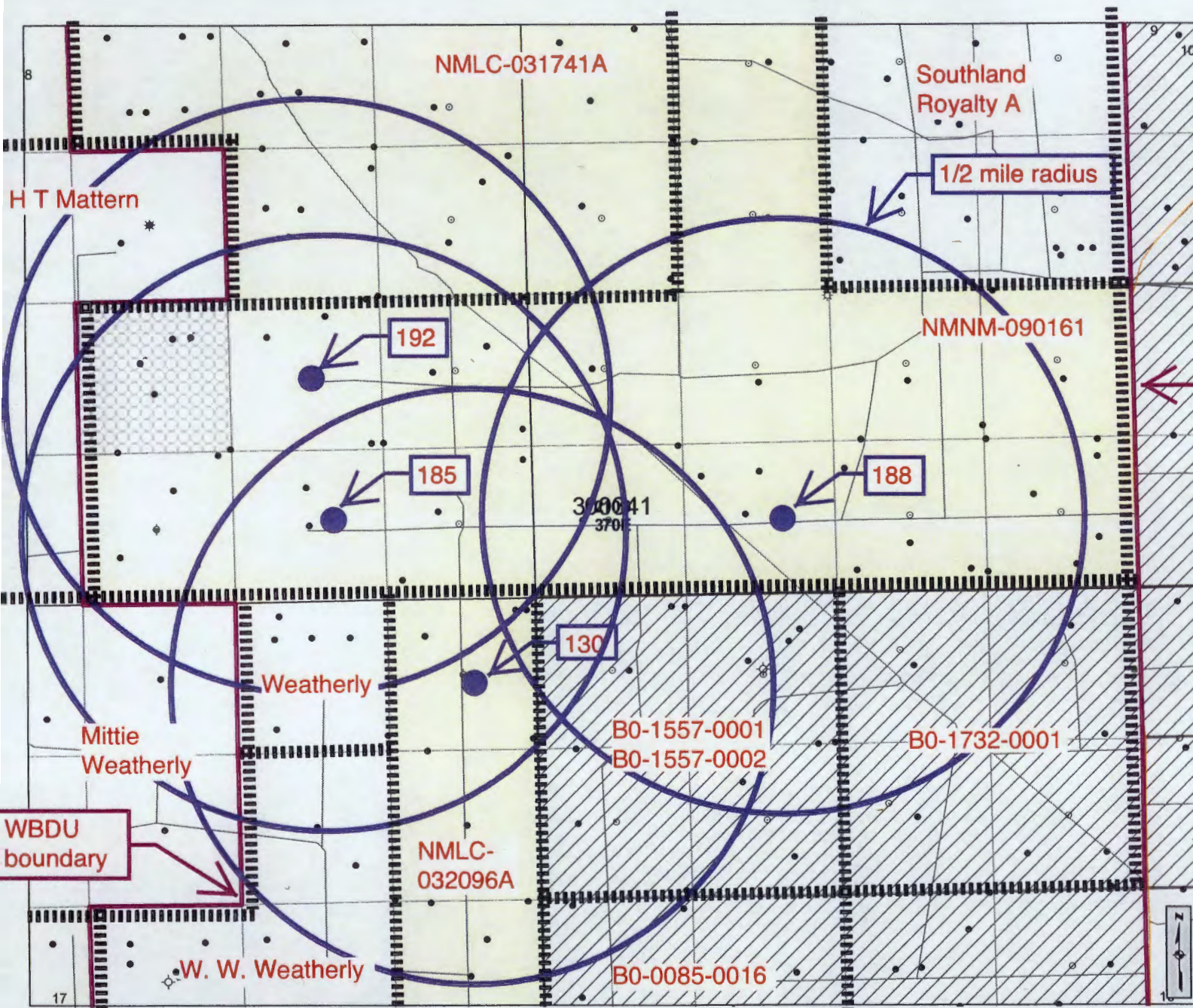
188

LEGEND

- New
- ★ Active
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ W Water

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

EXHIBIT D



Cartographic Features

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- NM Hwy
- Continental Divide
- US Hwy
- Local Road

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 Subsurface 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
- NMOC Order R-111-P
- Potash Enclave Outline

NMOC Oil and Gas Wells

- CO₂
- Injection
- Water
- Gas
- Miscellaneous
- Salt Water Disposal
- DA or PA

WBDU boundary

WBDU boundary

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

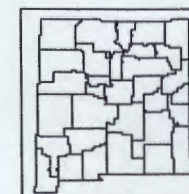
0 0.05 0.1 0.2 0.3 0.4 Miles
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

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

Created On: 12/11/2016 4:03:39 PM

EXHIBIT E



www.nmstatelands.org

ALL WELLS IN WBDU 130 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION T21S- R37E	TVD	ZONE	FEET FROM WBDU 130
3002506639	APACHE	WBDU 067	W	A-17	6770	SAN ANDRES WSW	115
3002537379	APACHE	LOCKHART A 17 010	O	A-17	4360	PENROSE SKELLY;GRAYBURG	640
3002538206	APACHE	WBDU 071	O	A-17	6905	EUNICE;BLI-TU-DR, NORTH	683
3002536101	APACHE	LOCKHART A 17 006	O	H-17	4150	PENROSE SKELLY;GRAYBURG	710
3002538205	APACHE	WBDU 070	O	A-17	6925	EUNICE;BLI-TU-DR, NORTH	760
3002536661	APACHE	LOCKHART A 17 009	O	A-17	4350	PENROSE SKELLY;GRAYBURG	814
3002539987	APACHE	WBDU 125	O	B-17	6951	EUNICE;BLI-TU-DR, NORTH	892
3002541375	APACHE	STATE C TRACT 12 001H	P&A	D-16	795	FISH	980
3002541454	APACHE	STATE C TRACT 12 COM 001Y	O	D-16	6872	WANTZ; ABO	1025
3002543229	APACHE	WBDU 145	I	H-17	6850 (P)	EUNICE;BLI-TU-DR, NORTH	1076
3002536115	APACHE	STATE C TRACT 12 012	O	E-16	4125	PENROSE SKELLY;GRAYBURG	1090
3002540274	APACHE	WBDU 124	O	P-8	7300	EUNICE;BLI-TU-DR, NORTH	1149
3002506642	APACHE	WBDU 065	O	B-17	6684	EUNICE;BLI-TU-DR, NORTH	1149
3002506638	APACHE	WBDU 066	O	H-17	6645	EUNICE;BLI-TU-DR, NORTH	1235
3002506629	APACHE	WBDU 061	I	D-16	6690	EUNICE;BLI-TU-DR, NORTH	1254
3002523717	APACHE	W W WEATHERLY 005	O	B-17	3875	PENROSE SKELLY;GRAYBURG	1404
3002535515	APACHE	STATE C TRACT 12 008	O	D-16	4450	PENROSE SKELLY;GRAYBURG	1405
3002506433	APACHE	WBDU 040	I	P-8	6758	EUNICE;BLI-TU-DR, NORTH	1445
3002535795	APACHE	HAWK FEDERAL B 1 018	O	P-8	4200	PENROSE SKELLY;GRAYBURG	1529
3002535709	APACHE	STATE C TRACT 12 011	O	E-16	4200	PENROSE SKELLY;GRAYBURG	1541

ALL WELLS IN WBDU 130 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION T21S- R37E	TVD	ZONE	FEET FROM WBDU 130
3002540429	APACHE	WBDU 144H	O	B-17	6673	EUNICE;BLI-TU-DR, NORTH	1568
3002535796	APACHE	HAWK FEDERAL B 1 019	O	M-9	4200	PENROSE SKELLY;GRAYBURG	1733
3002506625	APACHE	WBDU 058	I	E-16	6740	EUNICE;BLI-TU-DR, NORTH	1759
3002539278	APACHE	WBDU 117	O	B-17	7000	EUNICE;BLI-TU-DR, NORTH	1808
3002538377	APACHE	W W WEATHERLY 012	O	B-17	4150	PENROSE SKELLY;GRAYBURG	1837
3002539733	APACHE	WBDU 109	O	B-17	7200	EUNICE;BLI-TU-DR, NORTH	1850
3002538267	APACHE	WBDU 063	O	D-16	6845	EUNICE;BLI-TU-DR, NORTH	1861
3002506646	APACHE	WBDU 073	O	G-17	6677	EUNICE;BLI-TU-DR, NORTH	1864
3002506441	APACHE	WBDU 039	I	M-9	6770	EUNICE;BLI-TU-DR, NORTH	1880
3002536658	APACHE	W W WEATHERLY 007	O	G-17	4234	PENROSE SKELLY;GRAYBURG	1892
3002542493	APACHE	WBDU 185	I	O-8	7200 (P)	EUNICE;BLI-TU-DR, NORTH	1918
3002536305	APACHE	WBDU 062	O	D-16	6950	EUNICE;BLI-TU-DR, NORTH	1930
3002538204	APACHE	WBDU 069	O	I-17	6829	EUNICE;BLI-TU-DR, NORTH	1944
3002536159	APACHE	LOCKHART A 17 007	O	I-17	4100	PENROSE SKELLY;GRAYBURG	1947
3002506435	APACHE	HAWK FEDERAL B 1 012	O	O-8	6722	PENROSE SKELLY;GRAYBURG	1989
3002538411	APACHE	WBDU 068	O	H-17	6905	EUNICE;BLI-TU-DR, NORTH	2002
3002536618	APACHE	STATE C TRACT 12 016	O	D-16	4350	PENROSE SKELLY;GRAYBURG	2007
3002536532	APACHE	HAWK FEDERAL B 1 039	O	P-8	4350	PENROSE SKELLY;GRAYBURG	2011
3002536478	APACHE	STATE C TRACT 12 015	O	C-16	4725	PENROSE SKELLY;GRAYBURG	2056
3002536617	APACHE	STATE DA 009	O	L-16	4350	PENROSE SKELLY;GRAYBURG	2137

ALL WELLS IN WBDU 130 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION T21S- R37E	TVD	ZONE	FEET FROM WBDU 130
3002542496	APACHE	WBDU 221	O	I-17	7200 (P)	EUNICE;BLI-TU-DR, NORTH	2225
3002536158	APACHE	HAWK FEDERAL B 1 032	O	I-8	4200	PENROSE SKELLY;GRAYBURG	2236
3002537020	APACHE	WBDU 046	O	J-8	7383	EUNICE;BLI-TU-DR, NORTH	2275
3002537742	APACHE	WBDU 048	O	I-8	6950	EUNICE;BLI-TU-DR, NORTH	2303
3002543125	APACHE	WBDU 166	O	F-16	6900 (P)	EUNICE;BLI-TU-DR, NORTH	2440
3002535707	APACHE	STATE C TRACT 12 009	O	C-16	4450	PENROSE SKELLY;GRAYBURG	2451
3002535708	APACHE	STATE C TRACT 12 010	O	F-16	4200	PENROSE SKELLY;GRAYBURG	2545
3002506637	APACHE	LOCKHART A 17 002	O	I-17	6630	PENROSE SKELLY;GRAYBURG	2557
3002506628	APACHE	WBDU 060	I	C-16	6699	EUNICE;BLI-TU-DR, NORTH	2578
3002506627	STANOLIND	STATE C TR 12 006	P&A	C-16	5762	EUNICE;BLI-TU-DR, NORTH	2579
3002536614	APACHE	STATE C TRACT 12 018	O	E-16	4350	PENROSE SKELLY;GRAYBURG	2626
3002538220	APACHE	WBDU 080	O	L-16	6875	EUNICE;BLI-TU-DR, NORTH	2683

ALL WELLS IN WBDU 185 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION- T21S-R37E	TVD	ZONE	FEET FROM WBDU 185
3002506435	APACHE	HAWK FEDERAL B 1 012	O	O-8	6722	PENROSE SKELLY;GRAYBURG	184
3002537020	APACHE	WBDU 046	O	J-8	7383	EUNICE;BLI-TU-DR, NORTH	750
3002540274	APACHE	WBDU 124	O	P-8	7300	EUNICE;BLI-TU-DR, NORTH	782
3002536158	APACHE	HAWK FEDERAL B 1 032	O	I-8	4200	PENROSE SKELLY;GRAYBURG	813
3002539733	APACHE	WBDU 109	O	B-17	7200	EUNICE;BLI-TU-DR, NORTH	968
3002535795	APACHE	HAWK FEDERAL B 1 018	O	P-8	4200	PENROSE SKELLY;GRAYBURG	973
3002537741	APACHE	WBDU 047	O	K-8	6950	EUNICE;BLI-TU-DR, NORTH	1048
3002541869	APACHE	W W WEATHERLY 001C	O	B-17	7250 (P)	WANTZ; ABO	1050
3002506642	APACHE	WBDU 065	O	B-17	6684	EUNICE;BLI-TU-DR, NORTH	1065
3002506433	APACHE	WBDU 040	I	P-8	6758	EUNICE;BLI-TU-DR, NORTH	1106
3002537997	APACHE	HAWK FEDERAL B 1 051	O	N-8	4405	PENROSE SKELLY;GRAYBURG	1113
3002538377	APACHE	W W WEATHERLY 012	O	B-17	4150	PENROSE SKELLY;GRAYBURG	1166
3002522859	CONOCO INC	HAWK B 1 014	P&A	J-8	6836	EUNICE;BLI-TU-DR, NORTH	1270
3002535878	APACHE	HAWK FEDERAL B 1 022	O	J-8	4215	PENROSE SKELLY;GRAYBURG	1273
3002537379	APACHE	LOCKHART A 17 010	O	A-17	4360	PENROSE SKELLY;GRAYBURG	1283
3002523717	APACHE	W W WEATHERLY 005	O	B-17	3875	PENROSE SKELLY;GRAYBURG	1393
3002526601	APACHE	WBDU 043	W	N-8	6825	EUNICE;BLI-TU-DR, NORTH	1469
3002540429	APACHE	WBDU 144H	O	B-17	6673	EUNICE;BLI-TU-DR, NORTH	1534
3002535877	APACHE	HAWK FEDERAL B 1 021	O	I-8	4212	PENROSE SKELLY;GRAYBURG	1572
3002506434	APACHE	WBDU 041	I	I-8	6775	EUNICE;BLI-TU-DR, NORTH	1704
3002539407	APACHE	WBDU 106	O	J-8	7027	EUNICE;BLI-TU-DR, NORTH	1704
3002538205	APACHE	WBDU 070	O	A-17	6925	EUNICE;BLI-TU-DR, NORTH	1777

ALL WELLS IN WBDU 185 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION- T21S-R37E	TVD	ZONE	FEET FROM WBDU 185
3002540458	APACHE	HAWK FEDERAL B 1 069	O	J-8	7500	WANTZ; ABO	1786
3002538195	APACHE	WBDU 030	O	G-8	7005	EUNICE;BLI-TU-DR, NORTH	1789
3002536532	APACHE	HAWK FEDERAL B 1 039	O	P-8	4350	PENROSE SKELLY;GRAYBURG	1799
3002506639	APACHE	WBDU 067	W	A-17	6770	SAN ANDRES WSW	1803
3002535807	APACHE	HAWK FEDERAL B 1 029	P&A	K-8	4200	PENROSE SKELLY;GRAYBURG	1842
3002540276	APACHE	WBDU 135	O	N-8	7125	EUNICE;BLI-TU-DR, NORTH	1845
3002537742	APACHE	WBDU 048	O	I-8	6950	EUNICE;BLI-TU-DR, NORTH	1865
3002539278	APACHE	WBDU 117	O	B-17	7000	EUNICE;BLI-TU-DR, NORTH	1892
3002542495	APACHE	WBDU 130	O	A-17	7200 (P)	EUNICE;BLI-TU-DR, NORTH	1918
3002540273	APACHE	WBDU 108	O	K-8	7265	EUNICE;BLI-TU-DR, NORTH	1923
3002536661	APACHE	LOCKHART A 17 009	O	A-17	4350	PENROSE SKELLY;GRAYBURG	1927
3002539987	APACHE	WBDU 125	O	B-17	6951	EUNICE;BLI-TU-DR, NORTH	1935
3002538493	APACHE	HAWK FEDERAL B 1 058	O	J-8	4193	PENROSE SKELLY;GRAYBURG	1954
3002539511	APACHE	HAWK FEDERAL B 1 055	O	K-8	4507	PENROSE SKELLY;GRAYBURG	1980
3002506649	CHEVRON	MITTIE WEATHERLY 003	O	C-17	6651	PENROSE SKELLY;GRAYBURG	2014
3002538014	APACHE	HAWK FEDERAL B 1 050	O	I-8	4355	PENROSE SKELLY;GRAYBURG	2053
3002540678	APACHE	HAWK FEDERAL B 1 070	O	K-8	7300	WANTZ; ABO	2078
3002526266	APACHE	WBDU 044	O	K-8	6936	EUNICE;BLI-TU-DR, NORTH	2096
3002536101	APACHE	LOCKHART A 17 006	O	H-17	4150	PENROSE SKELLY;GRAYBURG	2213
3002535796	APACHE	HAWK FEDERAL B 1 019	O	M-9	4200	PENROSE SKELLY;GRAYBURG	2244
3002541375	APACHE	STATE C TRACT 12 001H	P&A	D-16	795	fish	2336
3002541454	APACHE	STATE C TRACT 12 COM 001Y	O	D-16	6872	WANTZ; ABO	2381
3002535803	APACHE	HAWK A 010	O	G-8	4200	PENROSE SKELLY;GRAYBURG	2480

ALL WELLS IN WBDU 185 AREA OF REVIEW

API	WHO	WELL	TYPE	UNIT- SECTION- T21S-R37E	TVD	ZONE	FEET FROM WBDU 185
3002506441	APACHE	WBDU 039	I	M-9	6770	EUNICE;BLI-TU-DR, NORTH	2480
3002542494	APACHE	WBDU 192	O	J-8	7200 (P)	EUNICE;BLI-TU-DR, NORTH	2509
3002537188	CHEVRON	MITTIE WEATHERLY 008	O	C-17	4326	PENROSE SKELLY;GRAYBURG	2559
3002540677	APACHE	HAWK A 037	O	G-8	7500	WANTZ; ABO	2568
3002538206	APACHE	WBDU 071	O	A-17	6905	EUNICE;BLI-TU-DR, NORTH	2596
3002543229	APACHE	WBDU 145	I	H-17	6900 (P)	EUNICE;BLI-TU-DR, NORTH	2610
3002535804	APACHE	HAWK A 011	O	H-8	4200	PENROSE SKELLY;GRAYBURG	2625
3002535876	APACHE	HAWK FEDERAL B 1 020	O	L-9	4200	PENROSE SKELLY;GRAYBURG	2679

ALL WELLS IN WBDU 188 AREA OF REVIEW

API	WHO	WELL	UNIT- SECTION- T21S-R37E	TVD	TYPE	ZONE	FEET FROM WBDU 188
3002535882	Apache	Hawk Fed B 1 031	N-9	4204	O	Penrose Skelly; Grayburg	276
3002509907	Apache	Hawk Fed B 1 006	N-9	7530	O	Eunice Monument; Grayburg-SA	418
3002536531	Apache	Hawk Fed B 1 038	O-9	4350	O	Penrose Skelly; Grayburg	710
3002536344	Apache	WBDU 045	N-9	6900	O	Eunice; Bli-Tu-Dr, N	755
3002543127	Apache	WBDU 175	C-16	Plan: 6900	O	Eunice; Bli-Tu-Dr, N	766
3002538197	Apache	WBDU 051	O-9	6837	O	Eunice; Bli-Tu-Dr, N	779
3002537743	Apache	WBDU 049	J-9	6950	O	Eunice; Bli-Tu-Dr, N	977
3002536095	Apache	State C Tract 12 013	C-16	4150	O	Penrose Skelly; Grayburg	1016
3002536533	Apache	Hawk Fed B 1 040	M-9	4775	O	Penrose Skelly; Grayburg	1064
3002537202	Apache	State C Tract 12 021	C-16	7300	O	Wantz; Abo	1102
3002536618	Apache	State C Tract 12 016	D-16	4350	O	Penrose Skelly; Grayburg	1126
3002509906	Apache	WBDU 038	O-9	6770	I	Eunice; Bli-Tu-Dr, N	1154
3002535799	Apache	Hawk Fed B 1 026	K-9	4200	O	Penrose Skelly; Grayburg	1179
3002535880	Apache	Hawk Fed B 1 028	O-9	4200	O	Penrose Skelly; Grayburg	1181
3002538267	Apache	WBDU 063	D-16	6845	O	Eunice; Bli-Tu-Dr, N	1232
3002543222	Apache	WBDU 176	O-9	Plan: 6851	O	Eunice; Bli-Tu-Dr, N	1278
3002543223	Apache	WBDU 244	K-9	Plan: 6850	O	Eunice; Bli-Tu-Dr, N	1285
3002535707	Apache	State C Tract 12 009	C-16	4450	O	Penrose Skelly; Grayburg	1297
3002509908	Apache	WBDU 036	K-9	6773	I	Eunice; Bli-Tu-Dr, N	1320
3002506627	Stanolind	State C TR 12 006	C-16	5762	P&A	Eunice; Bli-Tu-Dr, N	1336

ALL WELLS IN WBDU 188 AREA OF REVIEW

3002506628	Apache	WBDU 060	C-16	6699	I	Eunice; Bli-Tu-Dr, N	1395
3002506441	Apache	WBDU 039	M-9	6770	I	Eunice; Bli-Tu-Dr, N	1470
3002541547	Apache	WBDU 178	B-16	6948	I	Penrose Skelly; Grayburg	1535
3002535798	Apache	Hawk Fed B 1 025	J-9	4200	O	Penrose Skelly; Grayburg	1635
3002538198	Apache	WBDU 052	O-9	6870	O	Eunice; Bli-Tu-Dr, N	1697
3002535796	Apache	Hawk Fed B 1 019	M-9	4200	O	Penrose Skelly; Grayburg	1706
3002506438	Apache	WBDU 033	J-9	6695	I	Eunice; Bli-Tu-Dr, N	1744
3002506622	Chevron	Harry Leonard NCT E 003	B-16	6710	O	Penrose Skelly; Grayburg	1763
3002543043	Apache	WBDU 195	F-9	Plan: 7000	O	Eunice; Bli-Tu-Dr, N	1851
3002535515	Apache	State C Tract 12 008	D-16	4450	O	Penrose Skelly; Grayburg	1869
3002536662	Apache	Hawk Fed B 1 035	P-9	4350	O	Penrose Skelly; Grayburg	1899
3002536530	Apache	Hawk Fed B 1 036	P-9	4743	O	Penrose Skelly; Grayburg	1935
3002537744	Apache	WBDU 050	J-9	6875	O	Eunice; Bli-Tu-Dr, N	1938
3002509910	Apache	WBDU 035	L-9	6707	I	Eunice; Bli-Tu-Dr, N	1973
3002506629	Apache	WBDU 061	D-16	6690	I	Eunice; Bli-Tu-Dr, N	1978
3002536664	Apache	Hawk Fed B 1 041	K-9	4350	G	Penrose Skelly; Grayburg	1987
3002538268	Apache	WBDU 064	F-16	6892	O	Eunice; Bli-Tu-Dr, N	1991
3002543125	Apache	WBDU 166	F-16	Plan: 6900	O	Eunice; Bli-Tu-Dr, N	2014
3002536613	Apache	State C Tract 12 017	C-16	4386	O	Penrose Skelly; Grayburg	2035
3002541454	Apache	State C Tract 12 Com 001Y	D-16	6872	O	Eunice; Bli-Tu-Dr, N	2039
3002536478	Apache	State C Tract 12 015	C-16	4725	O	Penrose Skelly; Grayburg	2040
3002535876	Apache	Hawk Fed B 1 020	L-9	4200	O	Penrose Skelly; Grayburg	2057

ALL WELLS IN WBDU 188 AREA OF REVIEW

3002538200	Apache	WBDU 054	J-9	6900	O	Eunice; Bli-Tu-Dr, N	2063
3002536305	Apache	WBDU 062	D-16	6950	O	Eunice; Bli-Tu-Dr, N	2090
3002538196	Apache	WBDU 031	E-9	6945	O	Eunice; Bli-Tu-Dr, N	2108
3002541871	Apache	WBDU 201	G-9	6957	O	Eunice; Bli-Tu-Dr, N	2120
3002536663	Apache	Hawk Fed B 1 033	L-9	4345	O	Penrose Skelly; Grayburg	2152
3002535806	Apache	Hawk Fed B 1 027	P-9	4200	O	Penrose Skelly; Grayburg	2245
3002536532	Apache	Hawk Fed B 1 039	P-8	4350	O	Penrose Skelly; Grayburg	2278
3002543126	Apache	WBDU 167	B-16	Plan: 6900	O	Eunice; Bli-Tu-Dr, N	2285
3002535708	Apache	State C Tract 12 010	F-16	4200	O	Penrose Skelly; Grayburg	2343
3002536661	Apache	Lockhart A 17 009	A-17	4350	O	Penrose Skelly; Grayburg	2344
3002543172	Apache	WBDU 220	I-9	Plan: 7000	O	Plan: Eunice; Bli-Tu-Dr, N	2365
3002537742	Apache	WBDU 048	I-8	6950	O	Eunice; Bli-Tu-Dr, N	2412
3002538205	Apache	WBDU 070	A-17	6925	O	Eunice; Bli-Tu-Dr, N	2476
3002506439	Apache	WBDU 037	P-9	6750	I	Eunice; Bli-Tu-Dr, N	2481
3002541262	Apache	WBDU 142	P-9	6849	O	Eunice; Bli-Tu-Dr, N	2603
3002539119	Apache	WBDU 098	B-16	6880	O	Eunice; Bli-Tu-Dr, N	2606
3002535797	Apache	Hawk Fed B 1 024	F-9	4200	O	Penrose Skelly; Grayburg	2614
3002506437	Apache	WBDU 032	F-9	6786	I	Eunice; Bli-Tu-Dr, N	2639
3002541548	Apache	WBDU 168	G-16	6982	I	Eunice; Bli-Tu-Dr, N	2653

ALL WELLS IN WBDU 192 AREA OF REIEW

API	WHO	WELL	TYPE	UNIT- SECTION- T21S- R37E	TVD	ZONE	FEET FROM WBDU 192
3002535803	Apache	Hawk A 010	O	G-8	4200	Penrose Skelly; Grayburg	89
3002540677	Apache	Hawk A 037	O	G-8	7500	Eunice; Bli-Tu-Dr, N	307
3002540695	Apache	WBDU 140	O	G-8	7150	Eunice; Bli-Tu-Dr, N	626
3002538021	Apache	Hawk A 020	O	G-8	4403	Penrose Skelly; Grayburg	714
3002540458	Apache	Hawk Fed B 1 069	O	J-8	7500	Wantz; Abo	736
3002538493	Apache	Hawk Fed B 1 058	O	J-8	4193	Penrose Skelly; Grayburg	791
3002540272	Apache	WBDU 104	O	G-8	7293	Eunice; Bli-Tu-Dr, N	849
3002539407	Apache	WBDU 106	O	J-8	7027	Eunice; Bli-Tu-Dr, N	945
3002538195	Apache	WBDU 030	O	G-8	7005	Eunice; Bli-Tu-Dr, N	1007
3002527599	Apache	WBDU 027	O	B-8	6950	Eunice; Bli-Tu-Dr, N	1224
3002535878	Apache	Hawk Fed B 1 022	O	J-8	4215	Penrose Skelly; Grayburg	1241
3002522859	Conoco	Hawk B 1 014	P&A	J-8	6836	Eunice; Bli-Tu-Dr, N	1242
3002535873	Apache	Hawk A 013	O	B-8	4200	Penrose Skelly; Grayburg	1249
3002506436	Lanexco	Alves B 001	P&A	F-8	3679	Eumont Queen	1257
3002521621	Apache	WBDU 024	O	G-8	6819	Eunice; Bli-Tu-Dr, N	1257
3002539511	Apache	Hawk Fed B 1 055	O	K-8	4507	Penrose Skelly; Grayburg	1288
3002542551	Apache	Hawk A 038	O	C-8	Plan 7600	Wantz; Abo	1288
3002535804	Apache	Hawk A 011	O	H-8	4200	Penrose Skelly; Grayburg	1332
3002506432	Apache	WBDU 020	I	H-8	6730	Eunice; Bli-Tu-Dr, N	1368
3002540678	Apache	Hawk Fed B 1 070	O	K-8	7300	Wantz; Abo	1409

ALL WELLS IN WBDU 192 AREA OF REIEW

3002542552	Apache	Hawk A 039	O	B-8	Plan 7600	Wantz; Abo	1453
3002525411	Chevron	H T Mattern NCT C 010	O	F-8	7201	Wantz; Abo	1507
3002540271	Apache	WBDU 102	O	B-8	7245	Eunice; Bli-Tu-Dr, N	1581
3002535872	Apache	Hawk A 012	O	A-8	4210	Penrose Skelly; Grayburg	1626
3002539852	Apache	Hawk A 027	O	H-8	4402	Penrose Skelly; Grayburg	1628
3002526265	Apache	WBDU 025	O	C-8	6880	Eunice; Bli-Tu-Dr, N	1654
3002540480	Apache	WBDU 105	O	C-8	7130	Eunice; Bli-Tu-Dr, N	1680
3002535877	Apache	Hawk Fed B 1 021	O	I-8	4212	Penrose Skelly; Grayburg	1702
3002526967	Apache	WBDU 026	I	A-8	6980	Eunice; Bli-Tu-Dr, N	1734
3002526266	Apache	WBDU 044	O	K-8	6936	Eunice; Bli-Tu-Dr, N	1770
3002535951	Apache	Hawk A 017	O	C-8	4200	Penrose Skelly; Grayburg	1771
3002538441	Apache	Hawk A 025	O	C-8	4255	Penrose Skelly; Grayburg	1792
3002506434	Apache	WBDU 041	I	I-8	6775	Eunice; Bli-Tu-Dr, N	1849
3002535807	Apache	Hawk Fed B 1 029	P&A	K-8	4200	Penrose Skelly; Grayburg	1870
3002538014	Apache	Hawk Fed B 1 050	O	I-8	4355	Penrose Skelly; Grayburg	1889
3002537020	Apache	WBDU 046	O	J-8	7383	Eunice; Bli-Tu-Dr, N	1953
3002537741	Apache	WBDU 047	O	K-8	6950	Eunice; Bli-Tu-Dr, N	1964
3002536339	Apache	WBDU 028	O	H-8	6950	Eunice; Bli-Tu-Dr, N	1984
3002536158	Apache	Hawk Fed B 1 032	O	I-8	4200	Penrose Skelly; Grayburg	1991
3002537997	Apache	Hawk Fed B 1 051	O	N-8	4405	Penrose Skelly; Grayburg	2052
3002538521	Apache	WBDU 055	O	I-8	6975	Eunice; Bli-Tu-Dr, N	2053
3002540481	Apache	WBDU 107	O	C-8	7163	Eunice; Bli-Tu-Dr, N	2208

ALL WELLS IN WBDU 192 AREA OF REIEW

3002540273	Apache	WBDU 108	O	K-8	7265	Eunice; Bli-Tu-Dr, N	2461
3002542493	Apache	WBDU 185	I	O-8	Plan 7200	Eunice; Bli-Tu-Dr, N	2509
3002535805	Apache	Hawk A 014	O	E-9	4200	Penrose Skelly; Grayburg	2538
3002506435	Apache	Hawk Fed B 1 012	O	O-8	6722	Penrose Skelly; Grayburg	2562
3002537742	Apache	WBDU 048	O	I-8	6950	Eunice; Bli-Tu-Dr, N	2565
3002525547	Chevron	H T Mattern NCT C 012	P&A	E-8	6800	Bliebry	2592
3002506440	Apache	WBDU 021	I	E-9	6710	Eunice; Bli-Tu-Dr, N	2694

Sorted by distance from WBDU 130

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
WBDU 067	12/31/49	6770	San Andres WSW	W	17.5	13.375	228	250 sx	GL	Circ
3002506639					12.5	9.625	2819	900 sx	675	Temp Survey
A-17-21S-37E					8.75	7	6769	650 sx	2830	CBL
WBDU 071	3/17/07	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1300	575 sx	GL	Circ
3002538206					7.875	5.5	6905	1150 sx	240	CBL
A-17-21S-37E										
WBDU 070	3/6/07	6925	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1302	575 sx	GL	Circ
3002538205					7.875	5.5	6925	1100 sx	245	CBL
A-17-21S-37E										
WBDU 125	1/22/11	6951	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1317	665 sx	GL	Circ 222 sx
3002539987					7.875	5.5	6951	1300 sx	GL	Circ 137 sx
B-17-21S-37E										
State C Tract 12 Com 1Y	10/20/13	6872	Wantz; Abo	O	17.5	13.375	1324	1095 sx	GL	Circ 90 sx
3002541454					11	8.625	6083	1350 sx		Temp Survey
D-16-21S-37E					7.875	5.5	11219	1595 sx	GL	Circ 247 sx
WBDU 145	Plan	6850	Eunice; Bli-Tu-Dr, N	I	11	8.625	1350	450 sx	N/A	N/A
3002543229					7.875	5.5	6856	900 sx	N/A	N/A
H-17-21S-37E										
WBDU 124	10/24/11	7300	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1352	710 sx	GL	Circ 102 sx
3002540274					7.875	5.5	7300	1225 sx	GL	Circ 223 sx
P-8-21S-37E										
WBDU 065	11/16/51	6684	Eunice; Bli-Tu-Dr, N	O	12.25	10	282	200 sx	GL	Circ
3002506642					8.75	7.625	2759	1000 sx	GL	Circ 200 sx
B-17-21S-37E					6.625	5.5	6582	300 sx	2600	Temp Survey

Sorted by distance from WBDU 130

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
WBDU 066	7/7/47	6645	Eunice; Bli-Tu-Dr, N	O	No Report	13.375	222	200 sx	GL	Circ
3002506638					No Report	9.625	2529	500 sx	1513	Temp Surv
D-16-21S-37E					No Report	7	6629	629 sx	3582	CBL
WBDU 061	6/6/49	6690	Eunice; Bli-Tu-Dr, N	I	17.25	13.375	328	300 sx	GL	Circ
3002506629					12	9.625	2898	1500 sx	675	Temp Surv
D-16-21S-37E					8.75	5.5	6629	1200 sx	2700	Temp Surv
WBDU 040	11/12/49	6758	Eunice; Bli-Tu-Dr, N	I	17	13.375	229	250 sx	GL	Circ
3002506433					12.25	9.625	2818	1100 sx	1375	Temp Survey
P-8-21S-37E					8.75	7	6753	625 sx	2321	Temp Survey
					7	4.5	6758	660 sx	GL	No report
WBDU 144H	4/4/12	6673	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	1235	1230 sx	GL	Circ 160 sx
3002540429					11	8.625	5741	910 sx	GL	Circ 42 BBLS
B-17-21S-37E					7.875	5.5	10657	Cased	Open	No Cement
WBDU 058	7/18/47	6740	Eunice; Bli-Tu-Dr, N	I	17.5	13.625	322	No report	GL	Circ
3002506625					12	9.625	2900	1500 sx	1560	Temp Surv
E-16-21S-37E					8.75	7	6600	775 sx	1900	Temp Surv
WBDU 117	1/2/11	7000	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1550	710 sx	GL	Circ 80 sx
3002539278					7.875	5.5	1150	1150 sx	300	log
B-17-21S-37E										
WBDU 109	4/25/10	7200	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1270	725 sx	GL	Circ
3002539733					7.875	5.5	7200	1175 sx	GL	Circ
B-17-21S-37E										
WBDU 063	4/5/07	6845	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1286	575 sx	GL	Circ
3002538267					7.875	5.5	6845	1600 sx	GL	Circ & CBL
D-16-21S-37E										

Sorted by distance from WBDU 130

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
WBDU 073	10/13/47	6677	Eunice; Bli-Tu-Dr, N	O	13.376	10.75	363	300 sx	GL	Circ
3002506646					9.625	7.625	2873	2000 sx	GL	Circ
G-17-21S-37E					6.75	5.5	6655	550 sx	2500	Temp Survey
WBDU 039	2/14/49	6770	Eunice; Bli-Tu-Dr, N	I	15	13.375	200	250 sx	GL	Circ
3002506441					12.25	9.625	2824	500 sx	1210	Temp Survey
M-9-21S-37E					8.75	7	6769	750 sx	3011	Temp Survey
WBDU 185	Plan	7200	Eunice; Bli-Tu-Dr, N	I	11	8.625	1375	440 sx	GL	N/A
3002542493					7.875	5.5	7200	975 sx	GL	N/A
O-8-21S-37E										
WBDU 062	7/24/03	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1276	550 sx	GL	circ 232 sx
3002536305					7.875	5.5	6950	1275 sx	GL	circ 126 sx
D-16-21S-37E										
WBDU 069	2/22/07	6829	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1303	600 sx	GL	Circ
3002538204					7.875	5.5	6875	1075 sx	440	CBL
I-17-21S-37E										
Hawk Federal B 1 012	9/4/52	6722	Penr. Skelly; Grayburg	O	17	13.375	238	260 sx	GL	circ
3002506435					12.25	9.625	2856	1360 sx	GL	circ
O-8-21S-37E					8.75	7	6659	625 sx	2826	Temp Survey
WBDU 068	7/14/07	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1295	650 sx	GL	Circ
3002538411					7.875	5.5	6905	1350 sx	2660	CBL
H-17-21S-37E										
WBDU 221	Plan	7200	Eunice; Bli-Tu-Dr, N	O	11	8.875	1350	530 sx	GL	N/A
3002542496					7.875	5.5	7200	1000 sx	GL	N/A
1-17-21S-37E										

Sorted by distance from WBDU 130

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
WBDU 046	6/10/05	7383	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1420	650 sx	GL	Circ 87 sx
3002537020					7.875	5.5	7383	1300 sx	130	CBL
J-8-21S-37E										
WBDU 048	7/23/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	550 sx	GL	Circ
3002537742					7.875	5.5	6950	1100 sx	195	CBL
I-8-21S-37E										
WBDU 166	Plan	6900	Eunice; Bli-Tu-Dr, N	O	11	8.625	1300	450 sx	GL	N/A
3002543125					7.875	5.5	6900	900 sx	GL	N/A
F-16-21S-37E										
Lockhart A 17 002	3/26/47	6630	Penr. Skelly; Grayburg	O	17.5	13.375	195	200 sx	GL	Circ
3002506637					12.25	9.625	2538	450 sx	1364	Temp Survey
I-17-21S-37E					7.875	5.5	6629	500 sx	3510	Temp Survey
WBDU 060	2/22/54	6699	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	297	300 sx	GL	Circ
3002506628					12.25	9.625	2953	1500 sx	GL	Circ
C-16-21S-37E					8.75	7	6694	1000 sx	GL	Circ
State C Tract 12 006	2/10/48	5762	Eunice; Bli-Tu-Dr, N	P&A	17.5	13.375	300	300 sx	No	No report
30025006627					12	9.625	1385	600 sx	No	No report
C-16-21S-37E					8.75	no	long	string	run	N/A
WBDU 080	1/19/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1227	575 sx	GL	Circ
3002538220					7.875	5.5	6875	1425 sx	225	CBL
L-16-21S-37E										

Sorted by distance from WBDU 185

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
Hawk Fed B 1 012	9/4/52	6722	Penrose Skelly; Grayburg	O	17	13.375	238	260 sx	GL	Circ
3002506435					12.25	9.625	2856	1360 sx	GL	Circ
O-8-21S-37E					8.75	7	6659	625 sx	2826	Temp Survey
WBDU 046	6/10/05	7383	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1420	650 sx	GL	Circ 87 sx
3002537020					7.875	5.5	7383	1300 sx	130	CBL
J-8-21S-37E										
WBDU 124	10/24/11	7300	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1352	710 sx	GL	Circ 102 sx
3002540274					7.875	5.5	7300	1225 sx	GL	Circ 223 sx
P-8-21S-37E										
WBDU 109	4/25/10	7200	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1270	725 sx	GL	Circ
3002539733					7.875	5.5	7200	1175 sx	GL	Circ
B-17-21S-37E										
WBDU 047	7/8/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1318	550 sx	GL	Circ 122 sx
3002537741					7.875	5.5	6950	1150 sx	170	CBL
K-8-21S-37E										
WW Weatherly 001 C	Plan	7250	Wantz; Abo	O	17.5	13.375	1305	980 sx	GL	N/A
3002541869					11	8.625	4440	1250 sx	GL	N/A
B-17-21S-37E					7.875	5.5	10079	1600 sx	GL	N/A
WBDU 065	11/16/51	6684	Eunice; Bli-Tu-Dr, N	O	12.25	10	282	200 sx	GL	Circ
3002506642					8.75	7.625	2759	1000 sx	GL	Circ 200 sx
B-17-21S-37E					6.625	5.5	6582	300 sx	2600	Temp Survey
WBDU 040	11/12/49	6850	Eunice; Bli-Tu-Dr, N	I	17	13.375	229	250 sx	GL	Circ
3002506433					12.25	9.625	2818	1100 sx	1375	Temp Survey
P-8-21S-37E					8.75	7	6753	625 sx	2321	Temp Survey
					7	4.5	6758	660 sx	GL	Circ 55 bbl

Sorted by distance from WBDU 185

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
Hawk B 1 014	11/25/68	6836	Eunice; Bli-Tu-Dr, N	P&A	12.25	8.625	1322	650 sx	GL	no report
3002522859					7.875	5.5	6836	625 sx	2900	no report
J-8-21S-37E										
WBDU 043	5/15/80	6825	WSW; San Andres	W	12.25	9.625	1350	485 sx	GL	Circ 200 sx
3002526601					8.75	7	6825	505 sx	GL	Circ 200 sx
N-8-21S-37E										
WBDU 144H	4/4/12	6673	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	1235	1230 sx	GL	Circ 160 sx
3002540429					11	8.625	5741	910 sx	GL	Circ 42 BBLs
B-17-21S-37E					7.875	5.5	10657	cased,	but	no cement
WBDU 041	rior < 3/12/9	6775	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	213	250 sx	GL	Circ
3002506434					12.25	9.625	2864	1750	1300	Temp Survey
I-8-21S-37E					8.75	7	6774	822	2804	Temp Survey
WBDU 106	1/18/11	7027	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1399	665 sx	GL	Circ 80 sx
3002539407					7.875	5.5	7027	1410 sx	GL	Circ 120 sx
J-8-21S-37E										
WBDU 070	3/6/07	6925	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1302	575 sx	GL	Circ
3002538205					7.875	5.5	6925	1100 sx	245	CBL
A-17-21S-37E										
Hawk Fed B 1 069	5/25/12	7500	Wantz; Abo	O	12.25	8.625	1389	725 sx	GL	circ 26 bbl
3002540458					7.875	5.5	7500	1400 sx	86	CBL
J-8-21S-37E										
WBDU 030	3/17/07	7005	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1307	173 sx	GL	Circ
3002538195					7.875	5.5	7005	1250 sx	100	CBL
G-8-21S-37E										

Sorted by distance from WBDU 185

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
WBDU 067	12/31/49	6770	Eunice; Bli-Tu-Dr, N	W	16	13.375	228	250 sx	GL	Circ
3002506639					12.25	9.625	2819	900 sx	1538	Temp Survey
A-17-21S-37E					8.625	7	6770	650 sx	2830	CBL
WBDU 135	1/11/11	7125	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1317	710 sx	GL	Circ 163 sx
3002540276					7.875	5.5	7125	960 sx	214	CBL
N-8-21S-37E										
WBDU 048	7/23/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	550 sx	GL	Circ
3002537742					7.875	5.5	6950	1100 sx	195	CBL
I-8-21S-37E										
WBDU 117	1/2/11	7000	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1550	710 sx	GL	circ 80 sx
3002539278					7.875	5.5	1150	1150 sx	306	CBL
B-17-21S-37E										
WBDU 130	Plan	7200	Eunice; Bli-Tu-Dr, N	I	11	8.625	1375	440 sx	GL	N/A
3002542495					7.875	5.5	7200	975 sx	GL	N/A
A-17-21S-37E										
WBDU 108	10/16/11	7265	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	730 sx	GL	Circ 231 sx
3002540273					7.875	5.5	7265	1200 sx	210	CBL
K-8-21S-37E										
WBDU 125	1/22/11	6951	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1317	665 sx	GL	Circ 222 sx
3002539987					7.875	5.5	6951	1300 sx	GL	Circ 137 sx
B-17-21S-37E										
Mittie Weatherly 003	9/30/52	6650	Penrose Skelly; Grayburg	O	17	13.375	250	300 sx	GL	Circ
3002506649					11	8.625	2800	1000 sx	GL	Circ
C-17-21S-37E					7.875	5.5	6650	450 sx	3200	CBL

Sorted by distance from WBDU 185

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET	CEMENT	TOC	HOW DETERMINED
K-8-21S-37E										
WBDU 044	5/26/79	6936	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1340	692 sx	GL	Circ 100 sx
3002526266					7.875	5.5	6880	1760 sx	1660	Temp Survey
K-8-21S-37E										
State C Tract 12 Com 001Y	10/20/13	6872	Wantz; Abo	O	17.5	13.375	1324	1095 sx	GL	Circ 90 sx
3002541454					11	8.625	6083	1350 sx	480	Temp Survey
D-16-21S-37E					7.875	5.5	11219	1595 sx	GL	Circ 247 sx
WBDU 039	2/14/49	6770	Eunice; Bli-Tu-Dr, N	I	15	13.375	200	250 sx	GL	Circ
3002506441					12.25	9.625	2824	500 sx	1210	Temp Survey
M-9-21S-37E					8.75	7	6769	750 sx	3011	Temp Survey
WBDU 192	Plan	7200	Eunice; Bli-Tu-Dr, N	O	11	8.625	1400	465 sx	GL	N/A
3002542494					7.875	5.5	7200	975 sx	GL	N/A
J-8-21S-37E										
Hawk A 037	12/1/12	7500	Wantz; Abo	O	12.25	8.625	1418	505 sx	GL	Circ 120 sx
3002540677					7.875	5.5	7500	1250 sx	210	Circ 124 sx
G-8-21S-37E										
WBDU 071	3/17/07	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1300	575 sx	GL	Circ
3002538206					7.875	5.5	6905	1150 sx	240	CBL
A-17-21S-37E										
WBDU 145	Plan	6850	Eunice; Bli-Tu-Dr, N	I	11	8.625	1350	450 sx	GL	N/A
3002543229					7.875	5.5	6850	900 sx	GL	N/A
H-17-21S-37E										

Sorted by distance from WBDU 188

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	Hare; San Andres, E	O	17.5	13.325	220	200 sx	GL	Circ
30-025-09907					12.5	9.625	2779	550 sx	1447	No report
N-9-21S-37E					8.75	7	6680	950 sx	1960	log
WBDU 045	9/16/03	6900	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	600 sx	GL	Circ 67 sx
30-025-36344					7.875	5.5	6900	1250 sx	130	CBL
N-9-21S-37E										
WBDU 175	Plan	6900	Eunice; Bli-Tu-Dr, N	O	11	8.625	1300	450 sx	GL	N/A
30-025-43127					7.875	5.5	6900	900 sx	GL	N/A
C-16-21S-37E										
WBDU 051	3/6/07	6837	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1307	575 sx	GL	Circ
30-025-38197					7.875	5.5	6895	1150 sx	227	CBL
O-9-21S-37E										
WBDU 049	8/23/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1323	550 sx	GL	Circ
30-025-37743					7.875	5.5	6950	1400 sx	200	CBL
J-9-21S-37E										
State C Tract 12 021	7/26/05	7300	Wantz; Abo	O	12.25	8.625	1287	600 sx	GL	Circ 116 sx
30-025-37202					7.875	5.5	7300	1400 sx	390	CBL
C-16-21S-37E										
WBDU 038	11/4/48	6770	Eunice; Bli-Tu-Dr, N	I	17	13.375	212	200 sx	GL	Circ
30-025-09906					12.25	9.625	2794	500 sx	1950	Temp Survey
O-9-21S-37E					8.75	7	6767	900 sx	2700	Temp Survey
WBDU 063	4/5/07	6845	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1286	575 sx	GL	Circ
30-025-38267					7.875	5.5	6845	1600 sx	GL	Circ & CBL
D-16-21S-37E										

Sorted by distance from WBDU 188

WBDU 176	Plan	6851	Eunice; Bli-Tu-Dr, N	O	11	8.625	1400	450 sx	GL	N/A
30-025-43222					7.875	5.5	6851	900 sx	GL	N/A
O-9-21S-37E										
WBDU 244	Plan	6850	Eunice; Bli-Tu-Dr, N	O	11	8.625	1400	450 sx	GL	N/A
30-025-43223					7.875	5.5	6850	900 sx	GL	N/A
K-9-21S-37E										
WBDU 036	5/14/48	6773	Eunice; Bli-Tu-Dr, N	I	15	13.375	226	200 sx	GL	Circ
30-025-09908					12.25	9.625	2790	500 sx	1650	Temp Survey
K-9-21S-37E					8.75	7	6706	940 sx	2675	Temp Survey
State C Tract 12 006	2/10/48	5762	Eunice; Bli-Tu-Dr, N	P&A	17.5	13.375	300	300 sx	No report	No report
30-025-06627					12	9.625	1400	600 sx	No report	No report
C-16-21S-37E					8.75	no	long	string	run	N/A
WBDU 060	2/22/54	6699	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	297	300 sx	GL	Circ
30-025-06628					12.25	9.625	2953	1500 sx	GL	Circ
C-16-21S-37E					8.75	7	6694	1000 sx	GL	Circ
WBDU 039	2/14/49	6770	Eunice; Bli-Tu-Dr, N	I	15	13.375	200	250 sx	GL	Circ
30-025-06441					12.25	9.625	2824	500 sx	1210	Temp Survey
M-9-21S-37E					8.75	7	6769	750 sx	3011	Temp Survey
WBDU 178	11/22/14	6948	Penrose Skelly; Grayburg	I	11	8.625	1297	575 sx	GL	Circ 178 sx
30-025-41547					7.875	5.5	6955	1575 sx	GL	Circ 339 sx
B-16-21S-37E										
WBDU 052	2/2/07	6870	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1296	600 sx	GL	Circ
30-025-38198					7.875	5.5	6870	1500 sx	300	CBL
O-9-21S-37E										
WBDU 033	2/26/48	6695	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	200	200 sx	GL	Circ
30-025-06438					12.25	9.625	2789	500 sx	1400	Estimated
J-9-21S-37E					8.75	7	6694	500 sx	3434	Temp Survey

Sorted by distance from WBDU 188

Harry Leonard NCT E 003	9/10/48	6710	Penrose Skelly; Grayburg	O	17.25	13.325	304	300 sx	GL	Circ
30-025-06622					12.25	9.625	2800	1200 sx	GL	Circ
B-16-21S-37E					8.75	7	6649	700 sx	3200	Temp Survey
WBDU 195	Plan	7000	Eunice; Bli-Tu-Dr, N	O	11	8.625	1360	500 sx	GL	N/A
30-025-43043					7.875	5.5	7000	1250 sx	GL	N/A
F-9-21S-37E										
WBDU 050	9/8/06	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1288	600 sx	GL	Circ
30-025-37744					7.875	5.5	6875	1625 sx	590	CBL
J-9-21S-37E										
WBDU 035	7/16/65	6707	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	210	200 sx	GL	Circ
30-025-09910					12.25	9.625	2794	500 sx	1806	Temp Survey
L-9-21S-37E					8.75	7	6689	750 sx	2675	Temp Survey
WBDU 061	6/6/49	6690	Eunice; Bli-Tu-Dr, N	I	17	13.375	335	300 sx	GL	Circ
30-025-06629					12	9.625	2898	1500 sx	675	Temp Survey
D-16-21S-37E					8.75	5.5	6629	1300 sx	2700	Temp Survey
WBDU 064	4/27/07	6892	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1322	575 sx	GL	Circ
30-025-38268					7.875	5.5	6892	1300 sx	280	CBL
F-16-21S-37E										
WBDU 166	Plan	6900	Eunice; Bli-Tu-Dr, N	O	11	8.625	1300	450 sx	GL	N/A
30-025-43125					7.875	5.5	6900	900 sx	GL	N/A
F-16-21S-37E										
State C Tract 12 Com 001Y	10/20/13	6872	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	1324	1095 sx	GL	Circ 90 sx
30-025-41454					11	8.625	6083	1350 sx	480	Temp Survey
D-16-21S-37E					7.875	5.5	11219	1595 sx	35	CBL
WBDU 054	4/18/07	6900	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1320	575 sx	GL	Circ
30-025-38200					7.875	5.5	6900	1000 sx	207	CBL
J-9-21S-37E										

Sorted by distance from WBDU 188

WBDU 062	7/24/03	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1132	550 sx	GL	Circ 232 sx
30-025-36305					7.875	5.5	6950	1275 sx	GL	Circ 126 sx
D-16-21S-37E										
WBDU 031	3/27/07	6945	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1315	575 sx	GL	Circ
30-025-38196					7.875	5.5	6945	1150 sx	230	CBL
E-9-21S-37E										
WBDU 201	8/14/14	6957	Eunice; Bli-Tu-Dr, N	O	11	8.625	1337	450 sx	GL	Circ 74 sx
30-025-41871					7.875	5.5	6957	1330 sx	GL	Circ 250 sx
G-9-21S-37E										
WBDU 167	Plan	6900	Eunice; Bli-Tu-Dr, N	O	11	8.625	1300	450 sx	GL	N/A
30-025-43126					7.875	5.5	6900	900 sx	GL	N/A
B-16-21S-37E										
WBDU 220	Plan	7000	Eunice; Bli-Tu-Dr, N	O	11	8.625	1390	450	GL	N/A
30-025-43172					7.875	5.5	7000	1250 sx	GL	N/A
I-9-21S-37E										
WBDU 048	7/23/06	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1330	550 sx	GL	Circ
30-025-37742					7.875	5.5	6950	1100 sx	195	CBL
I-8-21S-37E										
WBDU 070	3/6/07	6925	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1302	575 sx	GL	Circ
30-025-38205					7.875	5.5	6925	1100 sx	245	CBL
A-17-21S-37E										
WBDU 037	8/25/48	6750	Eunice; Bli-Tu-Dr, N	I	17	13.375	232	200 sx	GL	Circ
30-025-06439					12.25	9.625	2779	500 sx	1720	Temp Survey
P-9-21S-37E					8.75	7	6723	800 sx	2750	Temp Survey
WBDU 142	10/9/13	6849	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1329	505 sx	GL	Circ 118 sx
30-025-41262					7.875	5.5	6856	1320 sx	272	log
P-9-21S-37E										

Sorted by distance from WBDU 188

WBDU 098	6/15/09	6880	Penrose Skelly; Grayburg	O	12.25	8.625	1313	450 sx	GL	Circ
30-025-39119					7.875	5.5	6880	1050 sx	230	CBL
B-16-21S-37E										
WBDU 032	8/9/55	6786	Eunice; Bli-Tu-Dr, N	I	no report	13.325	225	200 sx	GL	Circ
30-025-06437					no report	9.625	2790	200 sx	1628	Estimated
F-9-21S-37E					no report	7	6674	500 sx	3550	Temp Survey
WBDU 168	11/14/14	6982	Eunice; Bli-Tu-Dr, N	I	11	8.625	1293	575 sx	GL	Circ 168 sx
30-025-41548					7.875	5.5	6945	1921 sx	GL	Circ 270 sx
G-16-21S-37E										

Sorted by distance from WBDU 192

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
Hawk A 037	12/1/12	7500	Eunice; Bli-Tu-Dr, N	O	11	8.625	1418	505 sx	Surface	Circ 120 sx
30-025-40677					7.875	5.5	7500	1250 sx	210	Circ 124 sx
G-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										
Hawk Fed B 1 069	5/25/12	7500	Wantz; Abo	O	12.25	8.625	1389	725 sx	GL	Circ 26 bbl
30-025-40458					7.875	5.5	7500	1400 sx	86	CBL
J-8-21S-37E										
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 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 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										
WBDU 027	12/15/81	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1374	666 sx	GL	Circ 137 sx
30-025-27599					7.875	5.5	6950	1575 sx	GL	Circ 225 sx
B-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	No report
30-025-22859					7.875	5.5	6836	625 sx	2900	No report
J-8-21S-37E										

Sorted by distance from WBDU 192

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										
Hawk A 038	Plan	7600	Wantz; ABO	O	11	8.875	1410	530 sx	GL	N/A
30-025-42551					7.875	5.5	7600	1000 sx	GL	N/A
C-8-21S-37E										
WBDU 020	9/22/65	6730	Eunice; Bli-Tu-Dr, N	I	17.5	13.325	225	250 sx	GL	Circ
30-025-06432					12	9.625	2859	975 sx	1190	Temp Survey
H-8-21S-37E					8.75	7	6730	880 sx	2950	Temp Survey
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 240 sx
K-8-21S-37E										
Hawk A 039	Plan	7600	Wantz; ABO	O	11	8.625	1390	530 sx	GL	N/A
30-025-42552					7.875	5.5	7600	1000 sx	GL	N/A
B-8-21S-37E										
H T Mattern NCT C 010	3/4/77	7201	Wantz; Abo	O	12.25	8.625	1355	550 sx	Surface	Circ
30-025-25411					7.875	5.5	6800	200 sx	Surface	Circ
F-8-21S-37E										
WBDU 102	9/27/11	7245	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1398	650 sx	GL	Circ 64 sx
30-025-40271					7.875	5.5	7245	1325 sx	190	CBL
B-8-21S-37E										
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										
WBDU 105	5/17/12	7130	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1409	750 sx	GL	Circ 135 sx
30-025-40480					7.875	5.5	7130	1250 sx	GL	Circ 154 sx
C-8-21S-37E										

Sorted by distance from WBDU 192

WBDU 026	10/2/80	6980	Eunice; Bli-Tu-Dr, N	I	12.25	8.625	1294	675 sx	GL	Circ 100 sx
30-025-26967					7.875	5.5	6980	2890 sx	GL	Circ 180 sx
A-8-21S-37E										
WBDU 044	5/26/79	6936	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1340	692 sx	GL	Circ 100 SX
30-025-26266					7.875	5.5	6880	1760 sx	1660	Temp Survey
K-8-21S-37E										
WBDU 041	12/1/50	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 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 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 028	8/20/03	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1336	700 sx	GL	Circ 204 sx
30-025-36339					7.875	5.5	6950	1360 sx	138	CBL
H-8-21S-37E										
WBDU 055	10/27/06	6975	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1290	600 sx	GL	Circ
30-025-38521					7.875	5.5	6975	1250 sx	700	CBL
I-8-21S-37E										
WBDU 107	5/25/12	7163	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1402	750 sx	GL	Circ 179 sx
30-025-40481					7.625	5.5	7163	1300 sx	GL	Circ 182 sx
C-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										

Sorted by distance from WBDU 192

WBDU 185	Plan	7200	Eunice; Bli-Tu-Dri, N	I	11	8.625	1375	440 sx	GL	N/A
30-025-42493					7.875	5.5	7200	975 sx	GL	N/A
O-8-21S-37E										
Hawk Fed B 1 012	4/4/52	6722	Penrose Skelly;	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
WBDU 048	7/23/06	6950	Wantz: Abo	O	12.25	8.625	1330	612 sx	GL	Circ
30-025-37742					7.875	5.5	6950	1100 sx	195	CBL
I-8-21S-37E										
H T Mattern NCT C 012	6/4/77	6800	Eunice; Bli-Tu-Dr, N	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 021	2/11/48	6710	Eunice; Bli-Tu-Dr, N	I	No	13.375	224	200 sx	GL	Circ
30-025-06440					No	9.625	2799	550 sx	1575	No report
E-9-21S-37E					No	7	6710	500 sx	3850	Temp Survey

OPERATOR:

Stanford Oil

FORM CASE 14120

WELL NAME & NUMBER:

State C Tract 12

#6

30-025-06627

WELL LOCATION:

660 FNL, 1980 FNL

C

16

21S

37E

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC



TD = 5762'

spud 2-11-48
P&A 5-3-48

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:

Casing Size: 13 3/8

Cemented with:

300

sq.

or

ft³

Top of Cement:

Surf

Method Determined:

Circ

Intermediate Casing

Hole Size:

Casing Size: 9 5/8

Cemented with:

600

sq.

or

ft³

Top of Cement:

Surf

Method Determined: Per plugging Rpt.

Production Casing

Hole Size:

Casing Size:

Cemented with:

sq.

or

ft³

Top of Cement:

Method Determined:

Total Depth:

Injection Interval

feet to

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size:

Lining Material:

Type of Packer:

Packer Setting Depth:

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

Additional Data

1. Is this a new well drilled for injection?

Yes No

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

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

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.

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

EXHIBIT I

from WFX-913

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

Date Drilled: 11/68

Date PA'd: 10/97

Perforate 5 1/2" csg. @ 350'.
Squeeze cmt. to surface w/175 sx.

12 1/4" Hole; 8 5/8" csg. set @ 1,322'
Cemented w/650 sx.
Cement circulated to surface

Perforate 5 1/2" 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.

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

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

7 7/8" Hole; 5 1/2" csg. set @ 6,836'
Cemented w/625 Sx. TOC @ 2,900' by Well File

T.D. 6,836'

EXHIBIT I

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

from Case 14126

APACHE CORP.

Plug and Abandoned Well Summary

Lease: H.T. Mattem NCT-C
Well : 12
Area: Lea
Res: Drinkard

Location : 2310' FNL, 660' FWL, Sec. 8 T-21S R-37E
BHL: 2310' FNL, 660' FWL, Sec. 8 T-21S R-37E
Start Date
End Date 11/19/2002

API 30025255470000
TD 6800'
Elevation: 3,476'
RKB:

Directional	Sands / Markers	Depth TVD	Completion Info	Casing Profile	Inc deg	Hole Size	Casing Details	Mud Wt. # Type	Max. Dogleg Severity
		0'	40 sack Cement Plug				Surface Casing 8 5/8" CMT W / 550 SX Circ to Surface		
		300'			0°				
		354'							
		1088'							
		1400'	Cement Plug, 35 SX						
		2400'							
		2600'	Cement Plug, 25 SX						
		3200'							
		3400'	Cement Plug, 25 SX						
		5276'							
		5506'	CIBP 25 SX						
		6567' - 6740'					Production Casing 5 1/2" CMT W / 1600 SX CIRC TO SURFACE		
	Drinkard Perfs								
	Casting Shoe	6800'							

Note: Not to Scale

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

EXHIBIT I

TOPO! map printed on 12/11/16 from "Untitled.tpo"

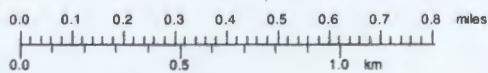
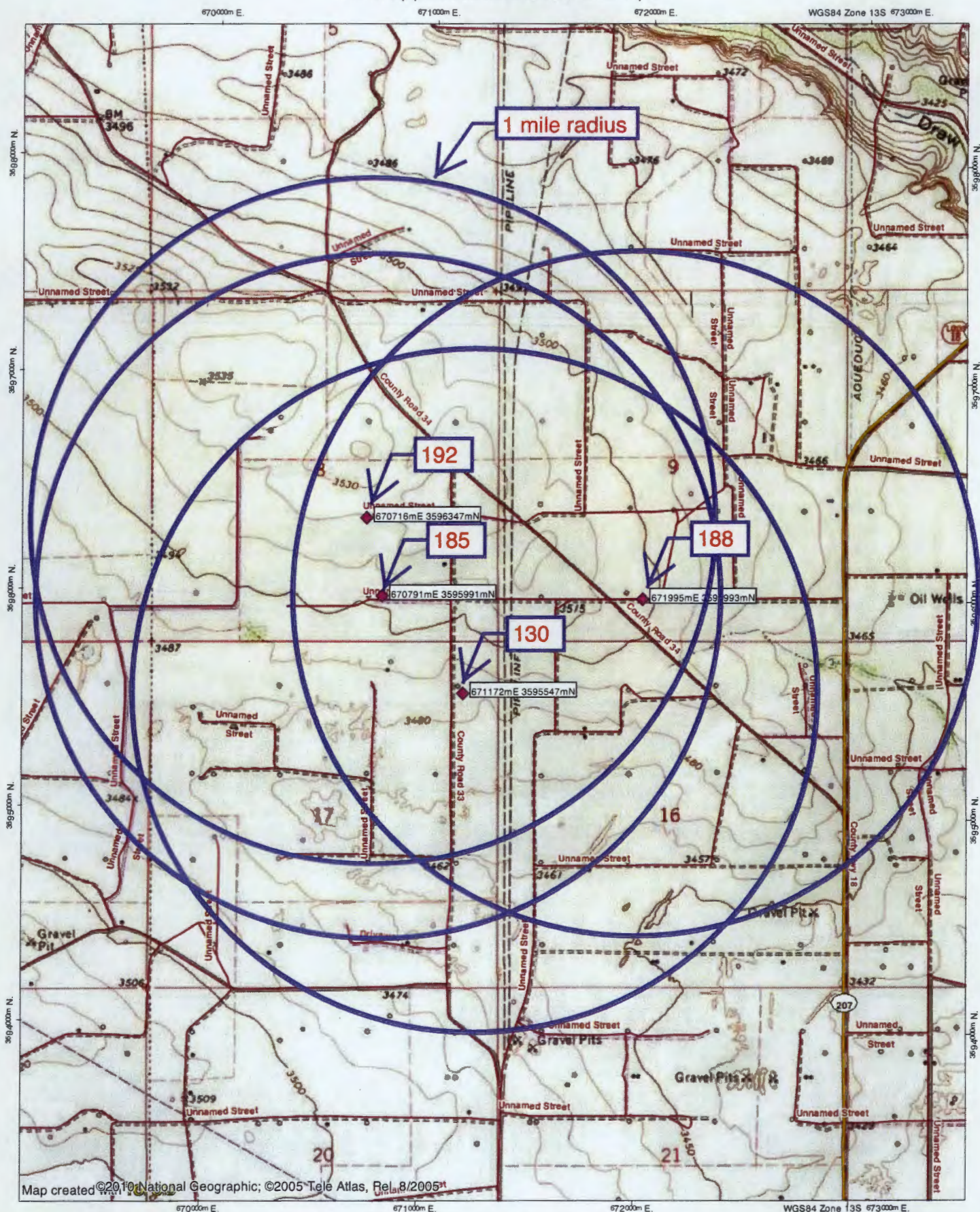


EXHIBIT J

TN 4 MM
7°
12/11/16



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																
Sub-		Q Q Q							Depth Depth Water							
POD Number	Code basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Well	Water	Column		
CP 01026 POD1		LE	1	1	3	17	21S	37E	669809	3594958		1484	167	95	72	
CP 00554	1610 meters = 1.00 mile	LE		2	2	16	21S	37E	672744	3595610*		1573	80	70	10	
CP 00447 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*		1877	95		
CP 00448 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*		1877	100		
CP 00895		LE		1	1	20	21S	37E	669957	3593956*		2001	163			
CP 00676		LE		4	4	18	21S	37E	669548	3594352*		2016	140	106	34	
CP 00985 POD1		LE	4	4	2	19	21S	37E	669595	3593453		2620	160			
CP 01141 POD2		LE	3	4	3	15	21S	37E	673541	3594250		2700	40			
CP 01141 POD3		LE	3	4	3	15	21S	37E	673541	3594250		2700	40			
CP 01141 POD4		LE	3	4	3	15	21S	37E	673541	3594250		2700	45			
CP 01575 POD1		CP	LE	1	2	1	22	21S	37E	673543	3594200		2726	40	35	5
CP 01245 POD1		LE	1	4	3	18	21S	37E	668677	3594410		2741	220			
CP 01575 POD2		CP	LE	2	2	1	22	21S	37E	673610	3594192		2789	35	35	0
CP 00986 POD1		LE	4	3	4	06	21S	37E	669110	3597437		2797	154			
CP 00552		LE		2	4	04	21S	37E	672700	3598022*		2908	90	75	15	
CP 00553		LE		2	4	04	21S	37E	672700	3598022*		2908	90	75	15	
CC 01999 POD1		CU	3	3	2	29	03N	36E	670385	3592502		3144	415	372	43	

Average Depth to Water: 107 feet

Minimum Depth: 35 feet

Maximum Depth: 372 feet

WBDU 130

Record Count: 17

UTMNAD83 Radius Search (in meters):

Easting (X): 671172

Northing (Y): 3595547

Radius: 3220

*UTM location was derived from PLSS - see Help

EXHIBIT J

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 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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01026 POD1		LE		1	1	3	17	21S	37E	669809	3594958	1424	167	95	72
CP 00447 POD1		LE		2	4	4	18	21S	37E	669647	3594451*	1918	95		
CP 00448 POD1		LE		2	4	4	18	21S	37E	669647	3594451*	1918	100		
CP 00554		LE		2	2	16	21S	37E	37E	672744	3595610*	1989	80	70	10
CP 00676		LE		4	4	18	21S	37E	37E	669548	3594352*	2057	140	106	34
CP 00895		LE		1	1	20	21S	37E	37E	669957	3593956*	2199	163		
CP 00986 POD1		LE		4	3	4	06	21S	37E	669110	3597437	2217	154		
CP 01245 POD1		LE		1	4	3	18	21S	37E	668677	3594410	2639	220		
CP 00552		LE		2	4	04	21S	37E	37E	672700	3598022*	2787	90	75	15
CP 00553		LE		2	4	04	21S	37E	37E	672700	3598022*	2787	90	75	15
CP 00985 POD1		LE		4	4	2	19	21S	37E	669595	3593453	2805	160		
CP 00877		LE					06	21S	37E	668920	3598153*	2859	150	73	77
CP 01486 POD1		LE		4	2	1	05	21S	37E	670333	3599085	3127	140	52	88

Average Depth to Water: **78 feet**

Minimum Depth: **52 feet**

Maximum Depth: **106 feet**

WBDU 185

Record Count: 13

UTM NAD83 Radius Search (in meters):

Easting (X): 670791

Northing (Y): 3595991

Radius: 3220

*UTM location was derived from PLSS - see Help

EXHIBIT J

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 closed)

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

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

(In feet)

POD Number	Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00554	1610 meters	LE		2	2	16	21S	37E		672744	3595610*	841	80	70	10
CP 00552	= 1.00 mile	LE		2	4	04	21S	37E		672700	3598022*	2147	90	75	15
CP 00553		LE		2	4	04	21S	37E		672700	3598022*	2147	90	75	15
CP 01141 POD2		LE		3	4	3	15	21S	37E	673541	3594250	2329	40		
CP 01141 POD3		LE		3	4	3	15	21S	37E	673541	3594250	2329	40		
CP 01141 POD4		LE		3	4	3	15	21S	37E	673541	3594250	2329	45		
CP 01575 POD1		CP	LE	1	2	1	22	21S	37E	673543	3594200	2368	40	35	5
CP 01026 POD1		LE		1	1	3	17	21S	37E	669809	3594958	2418	167	95	72
CP 01575 POD2		CP	LE	2	2	1	22	21S	37E	673610	3594192	2418	35	35	0
CP 00447 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*	2809	95		
CP 00448 POD1		CP	LE	2	4	4	18	21S	37E	669647	3594451*	2809	100		
CP 00895		LE		1	1	20	21S	37E		669957	3593956*	2881	163		
CP 01185 POD1		LE		1	3	14	21S	37E		674598	3594689	2911	70		
CP 01574 POD1		CP	LE	2	4	4	15	21S	37E	674563	3594599	2921	68	57	11
CP 01185 POD3		LE		1	3	14	21S	37E		674592	3594620	2937	70		
CP 01185 POD2		LE		1	3	14	21S	37E		674623	3594674	2940	70		
CP 00676		LE		4	4	18	21S	37E		669548	3594352*	2946	140	106	34
CP 01185 POD4		LE		1	3	14	21S	37E		674633	3594610	2978	70		
CP 01574 POD2		CP	LE	1	3	3	14	21S	37E	674654	3594594	3004	68	57	11

Average Depth to Water: 67 feet

Minimum Depth: 35 feet

Maximum Depth: 106 feet

WBDU 188

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 671995

Northing (Y): 3595993

Radius: 3220

EXHIBIT J

*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
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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01026 POD1		1610 meters	LE	1	1	3	17	21S	37E	669809	3594958	1658	167	95	72
CP 00986 POD1		= 1.00 mile	LE	4	3	4	06	21S	37E	669110	3597437	1941	154		
CP 00554			LE	2	2	16	21S	37E	672744	3595610*	2157	80	70	10	
CP 00447 POD1	CP		LE	2	4	4	18	21S	37E	669647	3594451*	2176	95		
CP 00448 POD1	CP		LE	2	4	4	18	21S	37E	669647	3594451*	2176	100		
CP 00676			LE	4	4	18	21S	37E	669548	3594352*	2311	140	106	34	
CP 00895			LE	1	1	20	21S	37E	669957	3593956*	2508	163			
CP 00877			LE			06	21S	37E	668920	3598153*	2547	150	73	77	
CP 00552			LE	2	4	04	21S	37E	672700	3598022*	2596	90	75	15	
CP 00553			LE	2	4	04	21S	37E	672700	3598022*	2596	90	75	15	
CP 01486 POD1	CP		LE	4	2	1	05	21S	37E	670333	3599085	2764	140	52	88
CP 01245 POD1			LE	1	4	3	18	21S	37E	668677	3594410	2811	220		
CP 00985 POD1			LE	4	4	2	19	21S	37E	669595	3593453	3103	160		

Average Depth to Water: 78 feet

Minimum Depth: 52 feet

Maximum Depth: 106 feet

WBDU 192

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 670716

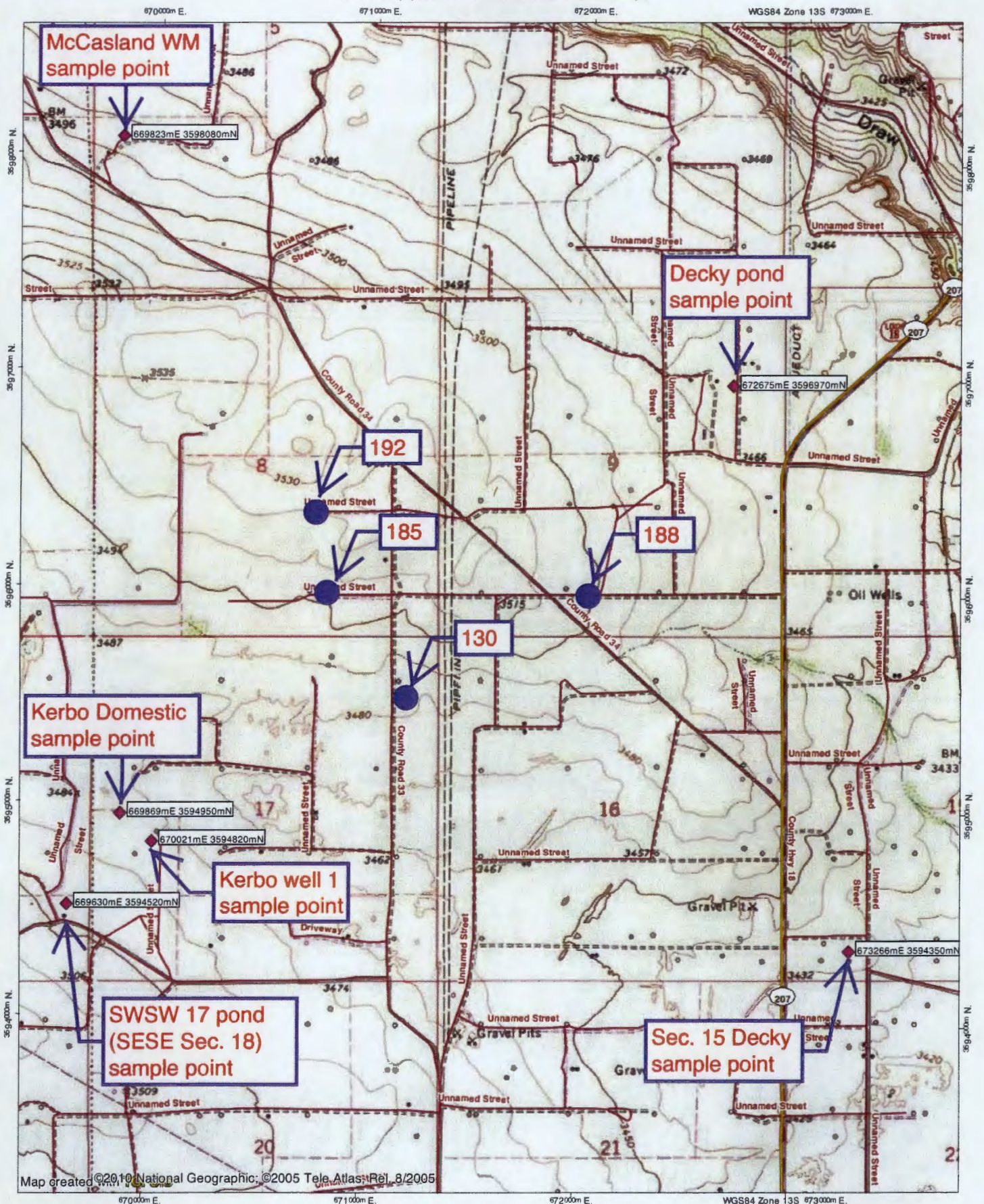
Northing (Y): 3596347

Radius: 3220

*UTM location was derived from PLSS - see Help

EXHIBIT J

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.



Analytical Report

Lab Order 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** McCasland WM**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/2/2016 5:35:00 PM**Lab ID:** 1611379-001**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	40	10		mg/L	20	11/8/2016 11:10:43 PM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	9.97		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	397	20.0		mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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	Page 1 of 9
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 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** SWSW 17 Pond**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/3/2016 8:12:00 AM**Lab ID:** 1611379-002**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	150	10		mg/L	20	11/8/2016 11:35:31 PM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	10.3		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	720	20.0	*	mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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	Page 2 of 9
	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 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** Kerbo Domestic**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/3/2016 10:21:00 AM**Lab ID:** 1611379-003**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	70	10		mg/L	20	11/9/2016 12:00:21 AM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	10.3		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	512	20.0	*	mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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	Page 3 of 9
	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 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** Kerbo Well #1**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/3/2016 10:36:00 AM**Lab ID:** 1611379-004**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	47	10		mg/L	20	11/9/2016 12:25:10 AM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	10.8		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	472	20.0		mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** Sec 15 Decky**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/3/2016 11:24:00 AM**Lab ID:** 1611379-005**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	460	25	*	mg/L	50	11/16/2016 1:38:53 AM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	10.4		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	1410	20.0	*	mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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	Page 5 of 9
	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 1611379

Date Reported: 11/17/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Permits West**Client Sample ID:** Decky Pond**Project:** Apache WBDU 130,185,188,192,200**Collection Date:** 11/3/2016 12:23:00 PM**Lab ID:** 1611379-006**Matrix:** AQUEOUS**Received Date:** 11/8/2016 12:03:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	240	10		mg/L	20	11/9/2016 1:39:38 AM
EPA METHOD 1664A						Analyst: tnc
N-Hexane Extractable Material	ND	10.1		mg/L	1	11/10/2016 12:00:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SRM
Total Dissolved Solids	756	20.0	*	mg/L	1	11/11/2016 10:40:00 AM

EXHIBIT K

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#: 1611379

17-Nov-16

Client: Permits West

Project: Apache WBDU 130,185,188,192,200

Sample ID	MB-28594	SampType:	MBLK	TestCode:	EPA Method 1664A					
Client ID:	PBW	Batch ID:	28594	RunNo:	38669					
Prep Date:	11/10/2016	Analysis Date:	11/10/2016	SeqNo:	1207686	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-28594	SampType:	LCS	TestCode:	EPA Method 1664A					
Client ID:	LCSW	Batch ID:	28594	RunNo:	38669					
Prep Date:	11/10/2016	Analysis Date:	11/10/2016	SeqNo:	1207687	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	39.8	10.0	40.00	0	99.5	78	114			
Silica Gel Treated N-Hexane Extrac	21.0	10.0	20.00	0	105	64	132			

EXHIBIT K

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611379

17-Nov-16

Client: Permits West

Project: Apache WBDU 130,185,188,192,200

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	R38555	RunNo:	38555					
Prep Date:		Analysis Date:	11/8/2016	SeqNo:	1204543	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:	R38555	RunNo:	38555					
Prep Date:		Analysis Date:	11/8/2016	SeqNo:	1204544	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.2	90	110			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	A38732	RunNo:	38732					
Prep Date:		Analysis Date:	11/15/2016	SeqNo:	1210222	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:	A38732	RunNo:	38732					
Prep Date:		Analysis Date:	11/15/2016	SeqNo:	1210223	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.2	90	110			

EXHIBIT K

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611379

17-Nov-16

Client: Permits West

Project: Apache WBDU 130,185,188,192,200

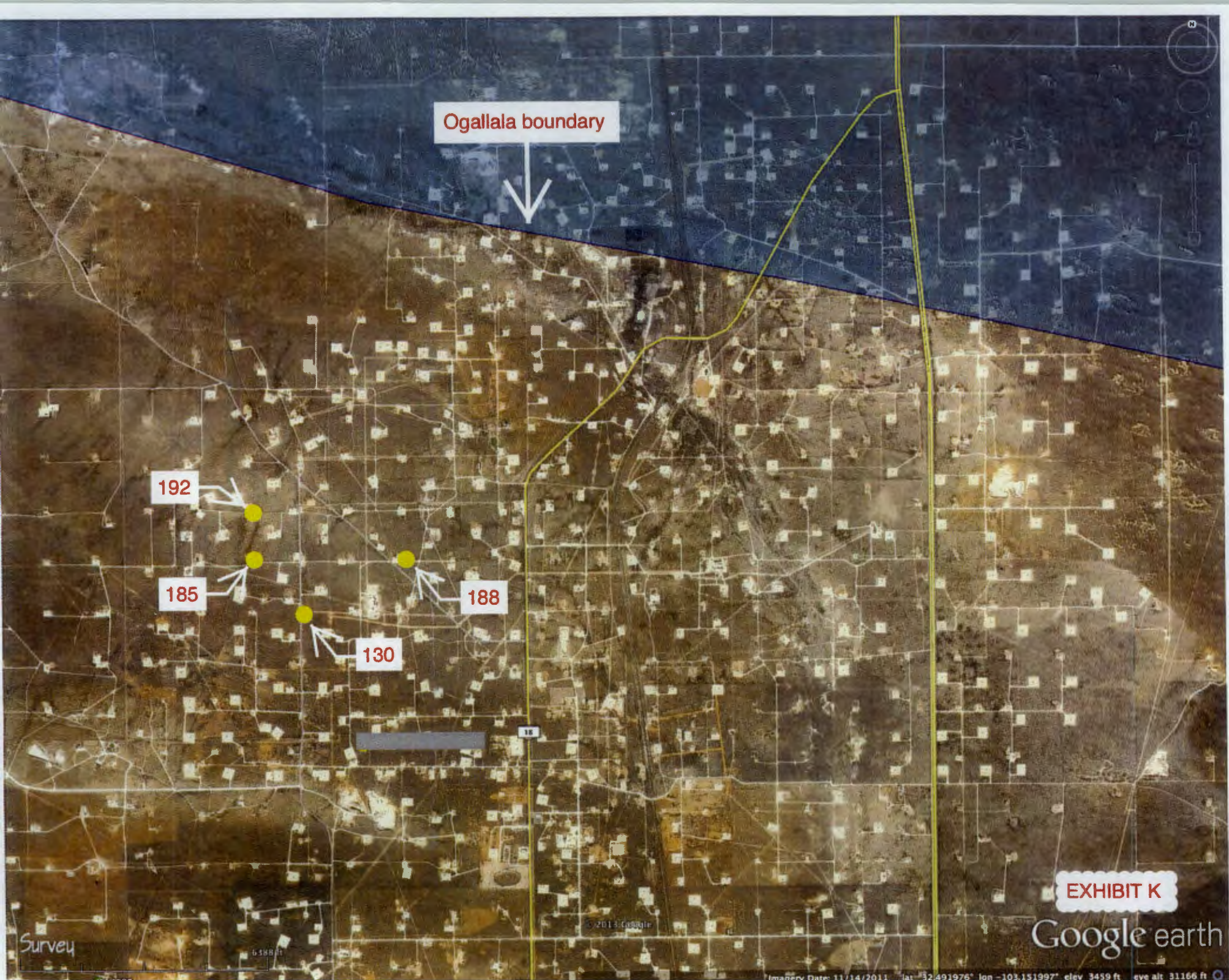
Sample ID	MB-28573	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids
Client ID:	PBW	Batch ID:	28573	RunNo:	38635
Prep Date:	11/9/2016	Analysis Date:	11/11/2016	SeqNo:	1206813 Units: mg/L
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit %RPD RPDLimit Qual
Total Dissolved Solids	ND	20.0			

Sample ID	LCS-28573	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids
Client ID:	LCSW	Batch ID:	28573	RunNo:	38635
Prep Date:	11/9/2016	Analysis Date:	11/11/2016	SeqNo:	1206814 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

EXHIBIT K

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 |



Ogallala boundary

192

185

130

188

EXHIBIT K

Google earth

Survey

6,588 ft

© 2013 Google

Imagery Date: 11/14/2011 Lat: 32.491976° Lon: -103.151997° elev: 3459 ft eye alt: 31166 ft

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 L



Geologic Hazards Science Center

EHP Quaternary Faults

Search for fault: Select a state or region map:

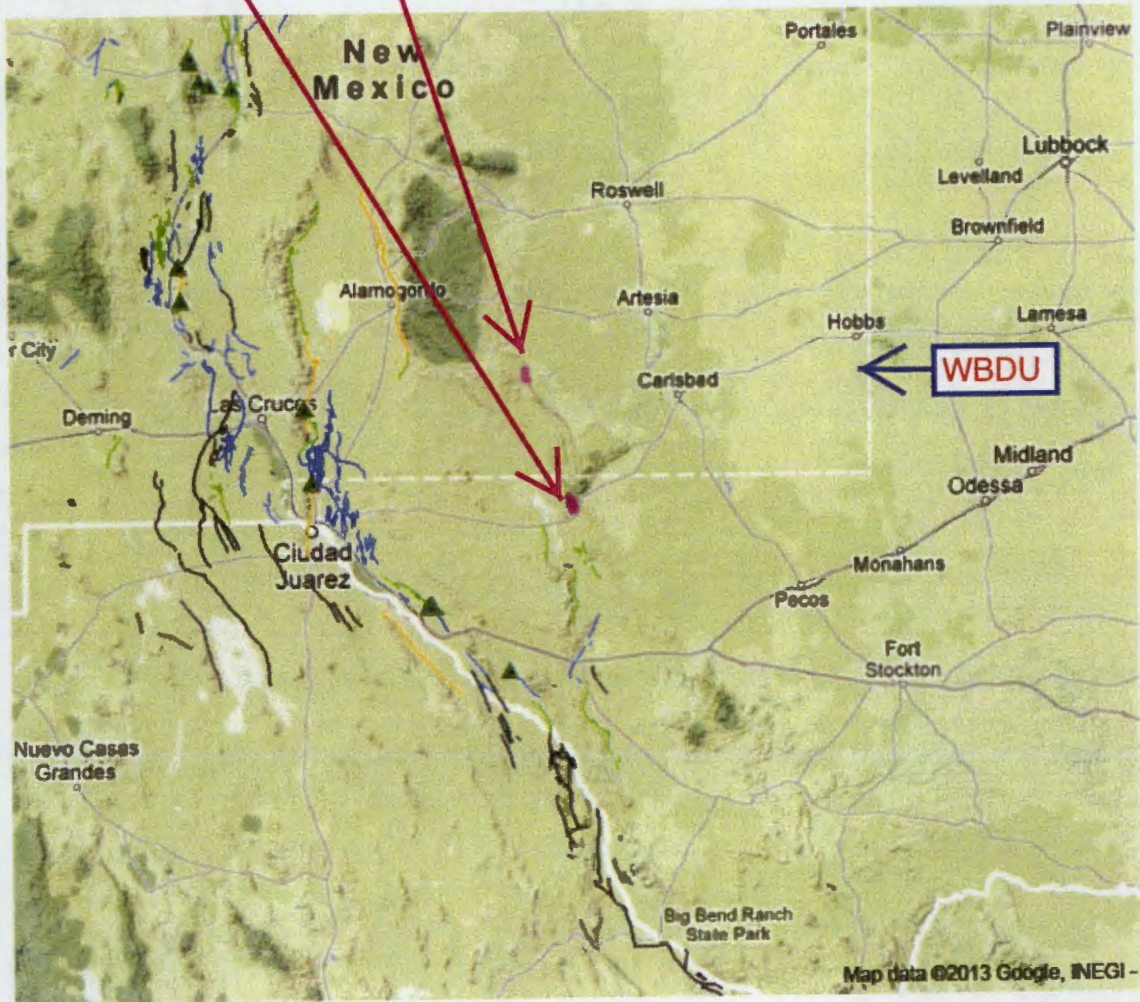


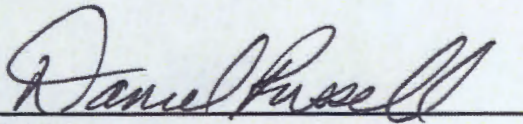
EXHIBIT L

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

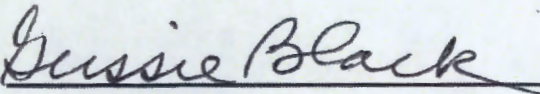
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
November 02, 2016
and ending with the issue dated
November 02, 2016.



Publisher

Sworn and subscribed to before me this
2nd day of November 2016.

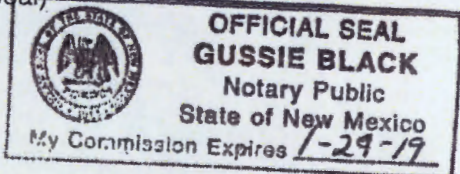


Business Manager

My commission expires

January 29, 2019

(Seal)



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

LEGAL	
LEGAL NOTICE November 2, 2016	
Apache Corporation is applying to inject water in 4 wells in the West Blinbry Drinkard Unit in T. 21 S., R. 37 E., Lea County, NM. Injection will be in the Blinbry and Drinkard zones from approximately 5584' to 6690'. Maximum injection rate will be 3,000 bwpd per well. The wells are 2-1/2 to 3 miles NNW of Eunice, NM. Well details are:	
WBDU	Well Location
130	780 FNL & 540 FEL Sec. 17
185	695 FSL & 1780 FEL Sec. 8
188	640 FSL & 2170 FWL Sec. 9
192	1865 FSL & 1985 FEL Sec. 8
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. #31320	

02108485

00183729

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

December 22, 2016

TYPICAL LETTER

Chevron USA Inc
6301 Deauville
Midland TX 79706

Apache Corporation is applying (see attached application) to drill four 7200' deep wells in its West Blinbry Drinkard Unit as water injection wells. The wells are 2-3 miles north of Eunice in Lea County NM. Injection is proposed for the Blinbry, Tubb, and Drinkard from 5584' to 6690'. This is the correlative interval as measured in 30-025-36344 and as defined in the Unit Agreement Exhibit C.

As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following project. This letter is a notice only. No action is needed unless you have questions or objections.

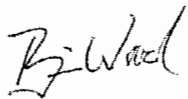
WBDU Well	API	Location	T. 21 S., R. 37 E. Section
130	30-025-42495	780 FNL & 540 FEL	17
185	30-025-42493	695 FSL & 1760 FEL	8
188	30-025-42569	640 FSL & 2170 FWL	9
192	30-025-42494	1865 FSL & 1985 FEL	8

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

Submittal Information: Application for injection will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. NMOCD phone is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT N

7016 2070 0000 9704 4966

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **Chevron USA Inc**
6301 Deauville
Midland TX 79706

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4706

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **Conoco Phillips**
PO Box 7500
Bartlesville OK 74005

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4713

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **Conoco Phillips**
550 Westlake Blvd
Houston TX 77079

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4942

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **BLM**
620 E. Greene Street
Carlsbad NM 88220

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4926

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **Buttram Energies Inc**
2601 NW Expressway
501 Oil Center West

Sent To **Oklahoma City OK 73112**

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4591

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees **Chevron USA Inc**
PO Box 285
Houston TX 77001

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

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

EXHIBIT N

7016 2070 0000 9704 4720

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Barbara E Hannifin
PO Box 182
Roswell NM 88202

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4737

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Mark A Hannifin
PO Box 11182
Midland TX 79702

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4744

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Patrick J Hannifin
765 Santa Camelia Drive
Salona Beach CA 92075

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4935

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Millard Dack Estate #19308
3903 Bellaire Blvd
Houston TX 77025

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4898

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Carl David Ganz
PO Box 65
Farmingdale NY 11735

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

City, State, ZIP+4®

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

7016 2070 0000 9704 4881

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
Joan Miller Ganz Trust
PO Box 65
Farmingdale NY 11735

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

City, State, ZIP+4®

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

EXHIBIT N

7016 2070 0000 9704 4904

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **Cathy Ganz Johnson**
PO Box 65
Farmingdale NY 11735
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

7016 2070 0000 9704 4768

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **Lanexco Inc**
PO Box 2730
Midland TX 79702
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

7016 2070 0000 9704 4867

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **Kelly Montgomery**
PO Box 4294
Houston TX 77210
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

7016 2070 0000 9704 4751

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **Robert H Hannifin**
Box 218
Midland TX 79702
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

7016 2070 0000 9704 4775

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **Robert W Hannifin**
606 ABO
Hobbs NM 88240
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

7016 2070 0000 9704 4836

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

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

Certified Mail Fee
 \$

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

Postage
 \$

Total Postage and Fees \$ **John H Hendrix Corp**
PO Box 3040
Midland TX 0
 Sent To **Apache WBDU 130,185,188,192**
 Street and Apt. No., or PO Box No.
 City, State, ZIP+4®

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

EXHIBIT N

7016 2070 0000 9704 4874

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **Mary Duke Pearlbrook Estate**

PO Box 65

Farmingdale NY 11735

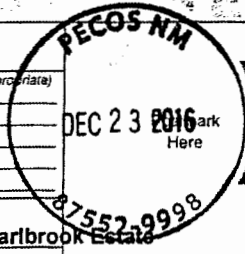
Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7016 2070 0000 9704 4782

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **NM CO Inc**

PO Box 2479

Midland TX 79702

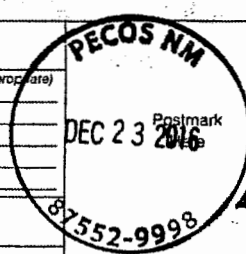
Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7016 2070 0000 9704 4850

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **Penroc Oil Corp**

PO Box 2769

Hobbs NM 88241

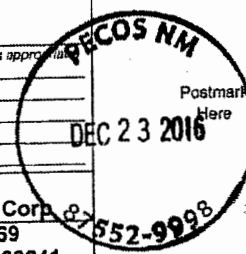
Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7016 2070 0000 9704 4959

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **NM State Land Office**

PO Box 1148

Santa Fe NM 87504

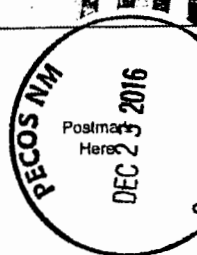
Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7016 2070 0000 9704 4799

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **Tommy Phipps**

PO Box 11090

Midland TX 79702

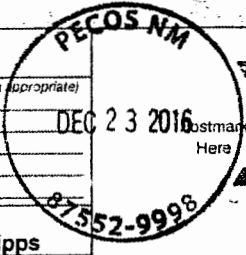
Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7016 2070 0000 9704 4843

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees **OXY USA WTP LP**

Desta DR #6000

Midland TX 79705

Sent To **Apache WBDU 130,185,188,192**

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

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

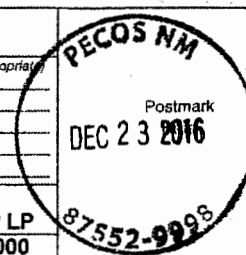


EXHIBIT N

7016 2070 0000 9704 4811

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

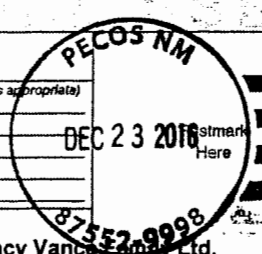
Total Postage and Fees
 \$

Sent To
 1090

Street and Apt. No., or PO Box No.
 Dallas TX 75206

City, State, ZIP+4®
 Apache WBDU 130,185,188,192

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



7016 2070 0000 9704 4829

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

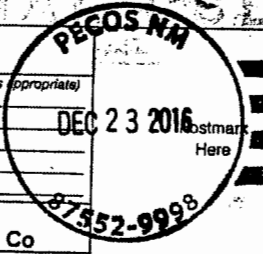
Total Postage and Fees
 \$

Sent To
 Apache WBDU 130,185,188,192

Street and Apt. No., or PO Box No.
 PO Box 1327

City, State, ZIP+4®
 Edmond OK 0

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



7016 2070 0000 9704 4812

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

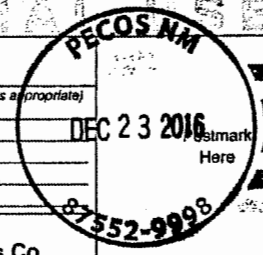
Total Postage and Fees
 \$

Sent To
 Apache WBDU 130,185,188,192

Street and Apt. No., or PO Box No.
 902 Country Club

City, State, ZIP+4®
 Midland TX 79701

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



7016 2070 0000 9704 4805

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

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

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 Apache WBDU 130,185,188,192

Street and Apt. No., or PO Box No.
 Box 481

City, State, ZIP+4®
 Midland TX 79702

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

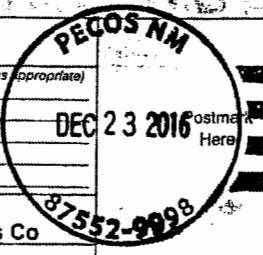


EXHIBIT N

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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

HOBBS OCD

MAR 30 2015

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42495	Pool Code 22900	Pool Name Eunice; Bli-Tu-Dr, North
Property Code 37346	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 130W
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3485'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	21-S	37-E		780	NORTH	540	EAST	LEA

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

Dedicated Acres 40	Joint or Infill	Consolidation Code	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

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sorina L. Flores 4/3/11
Signature Date

Sorina L. Flores
Printed Name

Sorina.L.Flores
E-mail Address

SURVEYOR CERTIFICATION

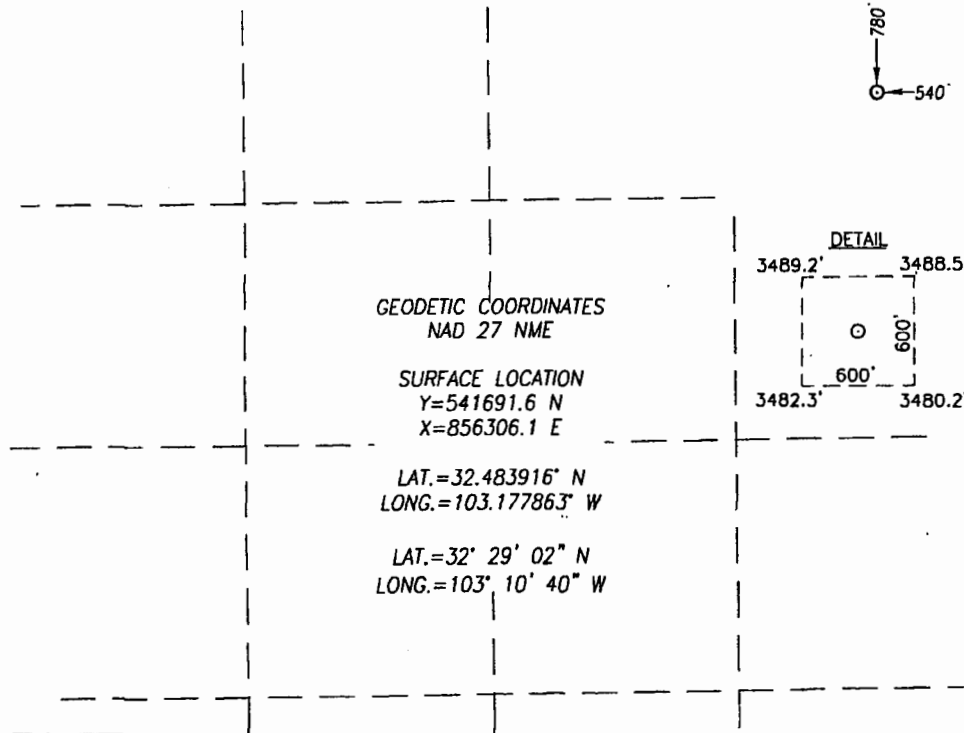
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 24, 2013

Date of Survey

Signature & Seal of Professional Surveyor:

MARY G. EDSON
Professional Surveyor



PRIVATE SURFACE OWNER AGREEMENT

HOBBS OCD

MAR 30 2015

RECEIVED

OPERATOR: APACHE CORPORATION

WELL NAME: WEST BLINEBRY DRINKARD UNIT #192W

UL: J SECTION: 8 TOWNSHIP: 21S RANGE: 37E

LOCATION: 1865' FSL & 1985' FEL COUNTY: LEA STATE: NM

LEASE NUMBER: NMNM-90161

STATEMENT OF SURFACE USE

The surface to the subject land is owned by Millard Deck Estate, c/o Bank of America NA, Trustee of Millard Deck Testamentary Trust under Last Will & Testament of Millard Deck, ATTN: Jeff Petter, Asst VP, US Trust-Farm & Ranch, Bank of America Private Wealth Mgmt, PO Box 270, Midland, TX 79702 (303 W. Wall St, Midland, TX 79701) 432-688-7926

The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

NAME: MAXWELL GROVE

SIGNATURE: *Maxwell Grove*

DATE: 04/18/2014

TITLE: DRILLING ENGINEER

To expedite your Application to Drill please fax the completed form to the
Bureau of Land Management (575) 234-5927 or (575) 885-9264
Attn: Legal Instruments Examiner
620 E. Green Street
Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
620 E. GREENE STREET
CARLSBAD, NM 88220

HOBBS OCD

MAR 30 2015

OPERATOR CERTIFICATION

RECEIVED

I HEARBY CERTIFY THAT I, OR SOMEONE UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE DRILL SITE AND ACCESS ROUTE PROPOSED HEREIN; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH CURRENTLY EXIST; THAT I HAVE FULL KNOWLEDGE OF STATE AND FEDERAL laws applicable to this operation; that the statements made in the APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 18th day of April 2014

Well: WEST BLINEBRY DRINKARD UNIT #192W

Operator Name: APACHE CORPORATION

Signature: Maxwell Grove Printed Name: MAXWELL GROVE

Title: Drilling Engineer Date: 04/18/2014

Email (optional): maxwell.grove@apachecorp.com

Street or Box: 303 Veterans Airpark Ln., Ste. 1000

City, State, Zip Code: Midland, TX 79705

Telephone: 281-302-2881

Field Representative (if not above signatory): _____

Address (if different from above): _____

Telephone (if different from above): _____

Email (optional): _____

Agents not directly employed by the operator must submit a letter from the operator authorizing that the agent to act or file this application on their behalf.

PRIVATE SURFACE OWNER AGREEMENT

HOBBS OCD

MAR 30 2015

OPERATOR: APACHE CORPORATION

WELL NAME: WEST BLINEBRY DRINKARD UNIT #185W

RECEIVED

UL: 0 SECTION: 8 TOWNSHIP: 21S RANGE: 37E

LOCATION: 695' FSL & 1760' FEL COUNTY: LEA STATE: NM

LEASE NUMBER: NMNM-90161

STATEMENT OF SURFACE USE

The surface to the subject land is owned by Millard Deck Estate, c/o Bank of America NA, Trustee of Millard Deck Testamentary Trust under Last Will & Testament of Millard Deck, ATTN: Jeff Petter, Asst VP, US Trust-Farm & Ranch, Bank of America Private Wealth Mgmt, PO Box 270, Midland, TX 79702 (303 W. Wall St, Midland, TX 79701) 432-688-7926

The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

NAME: MAXWELL GROVE

SIGNATURE: *Maxwell Grove*

DATE: 04/15/2014

TITLE: DRILLING ENGINEER

To expedite your Application to Drill please fax the completed form to the
Bureau of Land Management (575) 234-5927 or (575) 885-9264
Attn: Legal Instruments Examiner
620 E. Green Street
Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
620 E. GREENE STREET
CARLSBAD, NM 88220

HOBBS OCD

MAR 30 2015

RECEIVED

OPERATOR CERTIFICATION

I HEARBY CERTIFY THAT I, OR SOMEONE UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE DRILL SITE AND ACCESS ROUTE PROPOSED HEREIN; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH CURRENTLY EXIST; THAT I HAVE FULL KNOWLEDGE OF STATE AND FEDERAL laws applicable to this operation; that the statements made in the APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 15th day of April 2014

Well: WEST BLINEBRY DRINKARD UNIT #185W

Operator Name: APACHE CORPORATION

Signature: Maxwell Grove Printed Name: MAXWELL GROVE

Title: Drilling Engineer Date: 04/15/2014

Email (optional): maxwell.grove@apachecorp.com

Street or Box: 303 Veterans Airpark Ln., Ste. 1000

City, State, Zip Code: Midland, TX 79705

Telephone: 281-302-2881

Field Representative (if not above signatory): _____

Address (if different from above): _____

Telephone (if different from above): _____

Email (optional): _____

Agents not directly employed by the operator must submit a letter from the operator authorizing that the agent to act or file this application on their behalf.

PRIVATE SURFACE OWNER AGREEMENT

OPERATOR: APACHE CORPORATION

WELL NAME: WEST BLINEBRY DRINKARD UNIT #188W

UL: N SECTION: 9 TOWNSHIP: 21S RANGE: 37E

LOCATION: 640' FSL & 2170' FWL COUNTY: LEA STATE: NM

LEASE NUMBER: NMNM-90161

STATEMENT OF SURFACE USE

The surface to the subject land is owned by Millard Deck Estate, c/o Bank of America NA, Trustee of Millard Deck Testamentary Trust under Last Will & Testament of Millard Deck, ATTN: Jeff Petter, Asst VP, US Trust-Farm & Ranch, Bank of America Private Wealth Mgmt, PO Box 270, Midland, TX 79702 (303 W. Wall St, Midland, TX 79701) 432-688-7926

The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

NAME: MAXWELL GROVE

SIGNATURE: *Maxwell Grove*

DATE: 04/15/2014

TITLE: DRILLING ENGINEER

To expedite your Application to Drill please fax the completed form to the
Bureau of Land Management (575) 234-5927 or (575) 885-9264
Attn: Legal Instruments Examiner
620 E. Green Street
Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible.

HOBBS OCD

MAY 19 2015

Form C-102

Revised August 1, 2011

Submit two copies to appropriate District Office

RECEIVED

DIAMENDED REPORT

DISTRICT I
1623 N. French Dr., Hobbs, NM 88240
Phone: (505) 391-6801 Fax: (505) 391-0320

DISTRICT II
111 S. First St., Artesia, NM 88210
Phone: (505) 748-1281 Fax: (505) 748-9720

DISTRICT III
1690 Rio Grande Blvd., Alamo, NM 87001
Phone: (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3960 Fax: (505) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-085-42569	Pool Code 22900	Pool Name Eunice; Bli-Tu-Dr, North
Property Code 37346	Property Name WEST BLINEBRY DRINKARD UNIT	Well Number 1883
OGRIID No. 873	Operator Name APACHE CORPORATION	Elevation 3500'

Surface Location

UL or lot No.	Section	Township	Range	Lot 16n	Feet from the	North/South line	Feet from the	East/West line	County
N	9	21-S	37-E		640	SOUTH	2170	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 16n	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Juffil	Consolidation Code	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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 543137.8 N X= 859001.8 E LAT.=32.487811° N LONG.=103.169071° W LAT.=32° 29' 16" N LONG.=103° 10' 09" W	DETAIL 3504.3' 3496.7' 3502.3' 3495.0' 600' 600'	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a nonexclusive pooling order heretofore entered by the division. <i>Sorina L. Flores</i> 4/3/14 Signature Date <i>Sorina L. Flores</i> Printed Name <i>Sorina.Flores@apachecorp.com</i> E-mail Address
		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. DECEMBER 30, 2013 Date of Survey Signature & Seal of Professional Surveyor:
		ACK JWSC W.O.: 13.11.1279
		2170' SEE DETAIL 640'

MAY 19 2015

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



Administrative Order WFX-925
July 14, 2014

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order R-12981, Apache Corporation (OGRID No. 873) has made application to the Division for permission to add four new injection wells to its West Blinebry-Drinkard Unit (WBDU) Waterflood Project in the North Eunice Blinebry-Tubb-Drinkard Pool (Pool code 22900) in Lea County, New Mexico. These wells are being proposed for injection into the Unitized interval that includes the Blinebry, Tubb, and Drinkard formations of the WBDU. These wells are proposed to complement existing injection wells in the south end of the Unit to complete uniform 40-acre, five-spot waterflood patterns.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 19.15.26.8B. NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections remain outstanding. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

The proposed expansion of the above-referenced waterflood project, will prevent waste, is in the best interests of conservation, will not impair correlative rights, and should be approved.

IT IS THEREFORE ORDERED THAT:

Apache Corporation, as operator, is hereby authorized to inject water into the following new wells for the purpose of secondary recovery through plastic-lined tubing set into a packer:

API No.	Well	Unit	Sec	Twp	Rng	Footage N/S	Footage E/W
30-025-Pending	West Blinebry Drinkard Unit No. 130W	A	17	21 S	37 E	780 FNL	540 FEL
30-025-Pending	West Blinebry Drinkard Unit No. 185W	O	8	21 S	37 E	695 FSL	1760 FEL
30-025-Pending	West Blinebry Drinkard Unit No. 188W	N	9	21 S	37 E	640 FSL	2170 FWL
30-025-Pending	West Blinebry Drinkard Unit No. 192W	J	8	21 S	37 E	1865 FSL	1985 FEL

The approved injection interval for the four wells will be the **Unitized Formation as approved in Ordering Paragraph (3)** of Division Order No. R-12981 dated August 11, 2008. The Unitized Formation is described as the interval from a depth of 75 feet above the stratigraphic Blinebry marker to the top of the Abo formation, as found on the Type Log from the Hawk B-1 Well No. 34 (API No. 30-025-36344), which is that interval correlative to the interval from 5584 feet to 6690 feet below the surface measured from the derrick floor as shown on the Type Log. These four wells are approved for initial perforations in the Drinkard formation from approximately 6100 feet to 6700 feet and, under this Order, shall be authorized for the addition of perforations for the remaining interval of the Unitized Formation.

The operator has also satisfied the requirement for notification of affected parties with the original application for the addition of perforations within approved injection interval, the Unitized Formation. As part of the Form C-103 to be submitted under Division Rule 19.15.7.14A.(f) NMAC to Division's District I office for approval of changes in the perforation interval, the operator shall include with this form documentation (such as a correlation of geophysical logs) that demonstrates the new perforated interval is within the Unitized Formation.

The approved maximum surface injection pressure shall be **1120 psig or 0.2 psig per foot of depth to the uppermost perforation in the injection well, whichever is less, as approved in Ordering Paragraph (13)** of Division Order No. R-12981 dated August 11, 2008. The operator shall set the injection packer in individual wells no more than 100 feet above the shallowest perforation for the permitted injection interval.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the approved injection interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing injection and prior to resuming injection each time any injection packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on these wells shall be limited as listed above. In addition, the injection well or header system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressures to the maximum allowable pressures for these wells.

Subject to the limitations within the hearing order permitting this project, the Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluids from the approved injection interval. Such proper showing shall be demonstrated by sufficient evidence

including but not limited to an acceptable Step-Rate Test.

The operator shall notify the supervisor of the Division's District I office of the date and time of the installation of injection equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of injection to the District I office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the District I office of any failure of the tubing, casing or packer in the approved injection well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

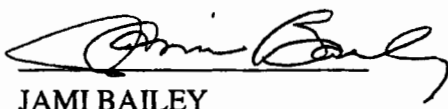
The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein. The subject wells shall be governed by all provisions of Division Order No. R-12981 and associated administrative orders.

The injection authority granted herein shall terminate two (2) years after the effective date of this order if the operator has not commenced injection operations into at least one of the subject wells, provided however, the Division, upon written request by the operator received prior to the two-year deadline, may grant an extension thereof for good cause shown.


JAMI BAILEY
Director

Administrative Order WFX-925
Apache Corporation
July 14, 2014
Page 4 of 4

JB/prg

cc: New Mexico Oil Conservation Division – Hobbs Office
Bureau of Land Management – Carlsbad Field Office
Case File 14126

[Administrative Application No. pMAM1410738932]



C-108 Review Checklist: Received 04/17/14 Add. Request: — Reply Date: — Suspended: — [Ver 13]

PERMIT TYPE: WFX PMX / SWD Number: 925 Permit Date: 07/14/14 Legacy Permits/Orders: R-12981

Well No. 130W Well Name(s): West Blueberry Drinkard Unit (WBDU)

API: 30-0 25-Pending Spud Date: TBD New or Old: New (UIC Class II Primacy 03/07/1982)

Footages 780 FNL / 540 FEL Lot — or Unit A Sec 17 Tsp 21S Rge 37E County Lea

General Location: N of Eunice (± 5 miles) Pool: NE Blueberry-Tubb-Drinkard Pool No.: 22900

BLM 100K Map: Sol Operator: Apache Corp. OGRID: 873 Contact: David Catarach
Consultant

COMPLIANCE RULE 5.9: Total Wells: 2907 Inactive: 5 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 07/14/14

WELL FILE REVIEWED ☒ Current Status: No API No. - no well file as of review

WELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: < Logs required for correlation

Planned Rehab Work to Well: NA - new well

Well Construction Details:		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (S) or Cf	Cement Top and Determination Method
Planned ☒ or Existing ☐ Surface		<u>11 / 8 5/8</u>	<u>0 to 1296</u>	<u>440</u>	<u>Cir. to surf</u>
Planned ☒ or Existing ☐ Intern/Prod		<u>7 7/8 / 5 1/2</u>	<u>0 to 6950</u>	<u>None</u>	<u>Cir. to surface</u>
Planned ☐ or Existing ☐ Intern/Prod		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned ☐ or Existing ☐ Prod/Liner		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned ☐ or Existing ☐ Liner		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned ☒ or Existing ☐ OH (PERF)		<u>5 1/2 - two sets to perfs</u>	<u>6500 to 6700'</u>	<u>Inj Length 200'</u>	

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.		<u>See Unitized Formation</u>	
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD <u>—</u>	PBTD <u>—</u>
NEW TD <u>6950</u>	NEW PBTD <u>NA</u>
NEW Open Hole ☐ or NEW Perfs ☒	
Tubing Size <u>2 3/8</u> in.	Inter Coated? <u>Yes</u>
Proposed Packer Depth <u>—</u> ft	
Min. Packer Depth <u>6400</u> (100-ft limit)	
Proposed Max. Surface Press <u>—</u> PSI	
Admin. Inj. Press. <u>P(15) 475-12981</u>	(0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P Noticed? NA BLM Sec Ord NA WIRP Noticed? NA SALT/SALADO T: — B: — CLIFF HOUSE —

FRESH WATER: Aquifer Lea / Shallow alluvial Max Depth < 200' HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Lea / Capitan CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 9 FW Analysis ☒

Disposal Fluid: Formation Source(s) Produced water Analysis? NA On Lease ☒ Operator Only ☐ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): 1500 650 + San Andres makeup Protectable Waters? — Source: — System: Closed ☒ or Open ☐

HC Potential: Producing Interval? Water flood unit - still producing Formerly Producing? — Method: Logs ☒ P&A/Other — 2-Mile Radius Pool Map No

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval 9 new wells Horizontals? 0

Penetrating Wells: No. Active Wells 9 Num Repairs? 0 on which well(s)? WBDU wells Diagrams? NA

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

NOTICE: Newspaper Date 04/24/14 Mineral Owner BLM Surface Owner Private N. Date 04/17/14

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Churron USA / Paulbrook Estate / Vance Family N. Date 04/17/14

Permit Conditions: Issues: None

Add Permit Cond: None - note definition of Unitized Formation & Protocols to
NA - note - notice satisfied

PRIVATE SURFACE OWNER AGREEMENT

HOBBS OCD

MAR 30 2015

OPERATOR: APACHE CORPORATION

WELL NAME: WEST BLINEBRY DRINKARD UNIT #130W

RECEIVED

UL: A SECTION: 17 TOWNSHIP: 21S RANGE: 37E

LOCATION: 780' FNL & 540' FEL COUNTY: LEA STATE: NM

LEASE NUMBER: NMLC-032096A

STATEMENT OF SURFACE USE

The surface to the subject land is owned by CHEVRON
PO BOX 285
HOUSTON, TX 77001
432-687-7104

The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

NAME: MAXWELL GROVE

SIGNATURE: *Maxwell Grove*

DATE: 04/15/2014

TITLE: DRILLING ENGINEER

To expedite your Application to Drill please fax the completed form to the
Bureau of Land Management (575) 234-5927 or (575) 885-9264
Attn: Legal Instruments Examiner
620 E. Green Street
Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete Items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Joan Miller Ganz Trust PO Box 65 Farmingdale NY 11735 APC WBDU 130,185,188,192	A. Signature x <i>Carl</i> ☐ Agent B. Received by (Printed Name) <i>Carl</i> ☐ Agent C. Delivered (Signature) <i>Carl</i> ☐ Agent D. Is delivery address different from Item 1? ☐ Yes If YES, enter delivery address below: ☐ No
2. Article Identification Number 9590 9402 2411 6249 7127 39	3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☒ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery (over 8509)
7016 2070 0000 9704 4861	
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION 1. Complete items 1, 2, and 3. 2. Print your name and address on the reverse so that we can return the card to you. 3. Attach this card to the back of the mailpiece, or on the front if space permits. 4. Article Addressed to: Barbara E Hannifin PO Box 182 Roswell NM 88202 APC WBDU 130.185.188.192 9590 9402 2411 6249 7125 17 5. Article Number (Transfer from service label) 7036 2070 0000 9704 4720	ADDRESSEE: COMPLETE THIS SECTION ON DELIVERY 6. Signature <i>[Signature]</i> ☒ Agent ☐ Address 7. Received by (Printed Name) ☐ Date of Delivery <i>[Signature]</i> <i>[Date]</i> 8. Is delivery address different from item 1? ☐ Yes ☒ No If YES, enter delivery address below: <i>[Circular Postmark: DEC 28 2016]</i> 9. Service Type <table border="0"> <tr> <td>☐ Adult Signature</td> <td>☐ Registered Mail®</td> </tr> <tr> <td>☐ Adult Signature Restricted Delivery</td> <td>☐ Registered Mail Restricted Delivery</td> </tr> <tr> <td>☐ Certified Mail®</td> <td>☐ Return Receipt for Merchandise</td> </tr> <tr> <td>☐ Collect on Delivery</td> <td>☐ Signature Confirmation®</td> </tr> <tr> <td>☐ Collect on Delivery Restricted Delivery</td> <td>☐ Signature Confirmation Restricted Delivery</td> </tr> <tr> <td>☐ Collect on Delivery Restricted Delivery</td> <td>☐ Signature Confirmation Restricted Delivery</td> </tr> </table>	☐ Adult Signature	☐ Registered Mail®	☐ Adult Signature Restricted Delivery	☐ Registered Mail Restricted Delivery	☐ Certified Mail®	☐ Return Receipt for Merchandise	☐ Collect on Delivery	☐ Signature Confirmation®	☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery	☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery
☐ Adult Signature	☐ Registered Mail®												
☐ Adult Signature Restricted Delivery	☐ Registered Mail Restricted Delivery												
☐ Certified Mail®	☐ Return Receipt for Merchandise												
☐ Collect on Delivery	☐ Signature Confirmation®												
☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery												
☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery												

PS Form 3811, July 1976 PSN 7530-02-000-9053

1. Article Addressed to:

Robert W Hannifin
606 ABO
Hobbs NM 88240

2. Article Number (Transfer from service label)

7036 2070 0000 9704 4775

3. Service Type

☒ Adult Signature
☐ Adult Signature Restricted Delivery
☐ Certified Mail
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery

4. Signature

[Signature]

5. Received by (Print Name)

[Signature]

6. Delivery Date

DEC 30 1976

7. Delivery Location

☐ Agent
☐ Addressee
☐ Date of Delivery

8. Delivery Confirmation

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 1976 PSN 7530-02-000-9053

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.

2. Print your name and address on the reverse so that we can return the card to you.

3. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Cathy Ganz Johnson
PO Box 65
Farmingdale NY 11735

APC WBDU 130,185,188,192

9590 9402 2411 6249 712/ 15

2. Article Number (Transfer from service label)

7016 2070 0000 9704 4904

PS Form 3811, July 2015 PSN 7630-02-000-6063

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Cathy Ganz Johnson

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☒ No

If YES, enter delivery address below:

3. Service Type

☐ Adult Signature

☒ Adult Signature Restricted Delivery

☐ Certified Mail

☐ Certified Mail Restricted Delivery

☐ Collect on Delivery

☐ Collect on Delivery Restricted Delivery

☐ Priority Mail Express®

☐ Registered Mail®

☐ Registered Mail Restricted Delivery

☐ Return Receipt for Merchandise

☐ Signature Confirmation®

☐ Signature Confirmation Restricted Delivery

MAINE NY 11735
FARMINGDALE
MAIN OFFICE

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

1. Article Addressed to:

Kelly Montgomery
 PO Box 4294
 Houston TX 77210

APC WBDU 130,185,188, 192

9590 9402 2411 6249 7126 61

7016 2070 0000 9704 4867

PS Form 3811, July 2015 PSN 7530-02-000-9033

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: OXY USA WTP LP 6 Desta DR #6000 Midland TX 79705 APC WBDU 130,185,188, 192 9590 9402 2411 6249 7126 47 2. Article Number (Transfer from service label) 7016 2070 0000 9704 4843		A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) Ashley D. Morris C. Date of Delivery 12/28/16 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Mary Duke Pearlbrook Estate PO Box 65 Farmingdale NY 11735 APC WBDU 130,185,188, 192 9590 9402 2411 6249 7126 78 2. Article Number (Transfer from service label) 7016 2070 0000 9704 4874		A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) [Circular Postmark] C. Date of Delivery 12/28/16 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Greg & Nancy Vance Family Ltd. Prod Company Gathering Co L.P. 8080 N. Central Expressway, STE 1090 Dallas TX 75206 APC WBDU 130,185,188, 192 9590 9402 2411 6249 7127 08 2. Article Number (Transfer from service label) 7016 2070 0000 9704 4911		A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) [Circular Postmark] C. Date of Delivery 12/28/16 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 8150 Central #1475 Dallas, TX 75206 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Penroo Oil Corp PO Box 2769 Hobbs NM 88241 APC WBDU 130,185,188, 192 9590 9402 2411 6249 7126 54 2. Article Number (Transfer from service label) 7016 2070 0000 9704 4850		A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) Anne Kevie C. Date of Delivery 12/28/16 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Tommy Phipps PO Box 11090 Midland TX 79702 APC WBDU 130,185,188, 192 9590 9402 2411 6249 7125 83 2. Article Number (Transfer from service label) 7016 2070 0000 9704 4799		A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) Victoria S. Garcia C. Date of Delivery 12-28-16 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Bane Bigbie Inc
PO Box 998
Ardmore OK 73402

Solaris-Lobo

9590 9402 2411 6249 6752 63

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Johnnie Rolan* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
JOHNNIE ROLAN

C. Date of Delivery
12-27-16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Devon Energy Prod Co LP
333 W. Sheridan Ave
Oklahoma City OK 73102-5010

Solaris-Lobo

9590 9402 2411 6249 6753 17

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
BLM
620 E. Greene Street
Carlsbad NM 88220

Solaris-Lobo

9590 9402 2411 6249 6755 84

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
BAU Rouge LLC
PO Box 823085
Dallas TX 75382-3085

Solaris-Lobo

9590 9402 2411 6249 6753 24

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Amberly Hunt* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
Amberly Hunt

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Centennial LLC
PO Box 1837
Roswell NM 88202

Solaris-Lobo

9590 9402 2411 6249 6752 70

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
DORIS KELLEY

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Encana Oil & Gas (USA) Inc
370 17th St #1700
Denver CO 80202

Solaris-Lobo

9590 9402 2411 6249 6753 48

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Chevron USA
6301 Deauville
Midland TX 79706

Solaris-Lobo

9590 9402 2411 6249 6752 87

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
C. LOWMEYER

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
BOG Resources
105 S 4th Street
Artesia NM 88210-2177

Solaris-Lobo

9590 9402 2411 6249 6753 31

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Chattahoochee Energy Company
600 N. Mainfield Street
Suite 600
Midland TX 79701

Solaris-Lobo

9590 9402 2411 6249 6752 94

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *[Signature]* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
SARAH PARRA

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
Paskett Land & Minerals LTD
6101 Holiday Hill Road
Midland TX 79707

Solaris-Lobo

9590 9402 2411 6249 6753 55

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Cynthia Moore* ☒ Agent ☐ Addressee

B. Received by (Printed Name)
CYNTHIA MOORE

C. Date of Delivery
12/27/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

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

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

Domestic Return Receipt

Domestic Return Receipt



C-108 Review Checklist: Received 12/28/2014 Add. Request: 12/28/2014 Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: R-12951

Well No. 130 Well Name(s): WBD4

API: 30-0 25-42495 Spud Date: TBN New or Old: _____ (UIC Class II Primacy 03/07/1982)

Footages 780FNL Surface Lot _____ or Unit A Sec 17 Tsp 21S Rge 37E County Lea

General Location: 5 miles N/E of Pool: NEBLI-T-DK Pool No.: 2250

BLM 100K Map: JAL Operator: Apache Corp OGRID: 873 Contact: Brian Wood

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

WELL FILE REVIEWED ☒ Current Status: Proposed

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 St or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>11/8 3/4</u>	<u>1375</u>	Stage Tool	<u>4W</u>	<u>Surface/Visco</u>
Planned ___ or Existing ___ Interm/Prod	<u>7 1/8 5/8</u>	<u>7200</u>		<u>475</u>	<u>Surface/Visco</u>
Planned ___ or Existing ___ Interm/Prod					
Planned ___ or Existing ___ Prod/Liner					
Planned ___ or Existing ___ Liner					
Planned ___ or Existing ___ OH / PERF	<u>55 1/2 1/2</u>		Inj Length <u>1100</u>		

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>Blin clay</u>	<u>5724</u>	Drilled TD <u>7200</u> PBDT _____
Confining Unit: Litho. Struc. Por.		<u>Albo</u>	<u>6837</u>	NEW TD _____ NEW PBDT _____
Proposed Inj Interval TOP:				NEW Open Hole ☐ or NEW Perfs ☒
Proposed Inj Interval BOTTOM:				Tubing Size <u>4 1/2 3/8</u> In. Enter Coated? ☒
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>5350</u> ft ☒
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>5530</u> (100-ft limit)
				Proposed Max. Surface Press. <u>2200</u> psi <u>1117</u>
				Admin. Inj. Press. <u>11350</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P Noticed? BLM Sec Ord ☐ WIPP ☐ Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm Not

FRESH WATER: Aquifer Ogallala Max Depth 600' HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Lea CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 9 FW Analysis ☒

Disposal Fluid: Formation Source(s) Produced H₂O Analysis? Not On Lease ☐ Operator Only ☐ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): 25K/31K 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: 52 Horizontals? 0

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

Penetrating Wells: No. P&A Wells 3 Num Repairs? _____ on which well(s)? _____ Diagrams? 4

NOTICE: Newspaper Date 11-2-2016 Mineral Owner BLM, US Surface Owner Chardon N. Date 12-27-12-17

RULE 26.7(A): Identified Tracts? ☒ Affected Persons: Chardon, Conoco, EOL N. Date 12-27-2016

Order Conditions: Issues: _____

Add Order Cond: _____

* The Approved injection interval does not include the Albo. Applicant



C-108 Review Checklist: Area Order

Supplemental Checklist for Multiple Well Application

ORDER TYPE: WFX / PMX Number: _____ SUPPLEMENTAL PAGE _____ of _____

Relevant Hearing Order(s): _____

MULTIPLE WELL APPLICATION: 2 of 8 Well No. 185 Well Name(s): 4B55
API: 30-0 25-42443 Spud Date: 7/3/11 New or Old: (UIC Class II Primacy 03/07/1982)
Footages 655 FSL 1760 FSL Lot or Unit 0 Sec 8 Tsp 215 Rge 37E County LE
WELL FILE REVIEWED ☐ Current Status: Proposed
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	11/6 5/8	1375	440	Surface / VISAL
Planned ___ or Existing ___ Interm/Prod	7 7/8 1/2		975	Surface / VISAL
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH ☒ PERP	5584-6610		Inj Length 1106	Hydrologic Information and AOR Well Summary on Coversheet

Completion/Operation Details: Drilled TD 7200 PBDT _____ NEW TD _____ NEW PBDT _____
NEW Open Hole ☐ or NEW Perfs ☒ Tubing Size 2 3/4 in. Coated? _____ Prop. Packer Depth 5534 ft Min. Depth 5384 (100-ft limit)
Proposed Max. Surface Press. 1120 psi Admin. Inj. Press. 1117 (0.2 psi per ft) ANY AREA IPI APPROVAL: _____
Specific Requirement(s) for Well: _____

MULTIPLE WELL APPLICATION: 3 of 8 Well No. 192 Well Name(s): 4B76
API: 30-0 25-42444 Spud Date: 7/3/11 New or Old: (UIC Class II Primacy 03/07/1982)
Footages 640 FSL 2170 FSL Lot or Unit 11 Sec 9 Tsp 215 Rge 37E County LE
WELL FILE REVIEWED ☐ Current Status: Proposed
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	11/6 5/8	1400	440	Surface / VISAL
Planned ___ or Existing ___ Interm/Prod	7 7/8 1/2	7200	975	Surface / VISAL
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH ☒ PERP	5584-6610		Inj Length 1106	Hydrologic Information and AOR Well Summary on Coversheet

Completion/Operation Details: Drilled TD 7200 PBDT _____ NEW TD _____ NEW PBDT _____
NEW Open Hole ☐ or NEW Perfs ☐ Tubing Size 2 3/4 in. Coated? ☒ Prop. Packer Depth 5534 ft Min. Depth 5464 (100-ft limit)
Proposed Max. Surface Press. 1120 psi Admin. Inj. Press. 1117 (0.2 psi per ft) ANY AREA IPI APPROVAL: _____
Specific Requirement(s) for Well: _____



C-108 Review Checklist: Area Order

Supplemental Checklist for Multiple Well Application

ORDER TYPE: WFX / PMX Number: _____ SUPPLEMENTAL PAGE _____ of _____

Relevant Hearing Order(s): _____

MULTIPLE WELL APPLICATION: 4 of 4 Well No. 18 Well Name(s): LBH
API : 30-0 25-42568 Spud Date: 7/31 New or Old: N (UIC Class II Primacy 03/07/1982)
Footages 640PSL 2170FWL Lot _____ or Unit _____ Sec 9 Tsp 215 Rge 37E County LA
WELL FILE REVIEWED ☒ Current Status: Proposed
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>11/8 57K</u>	<u>1380</u>	<u>430</u>	<u>54RFW / UIC</u>
Planned ___ or Existing ___ Interm/Prod	<u>7 1/8 52</u>	<u>720</u>	<u>975</u>	<u>54RFW / UIC</u>
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF	<u>5584661</u>		<u>1106</u>	<u>Hydrologic Information and AOR Well Summary on Coversheet</u>

Completion/Operation Details: Drilled TD 720 PBDT _____ NEW TD _____ NEW PBDT _____
NEW Open Hole ☐ or NEW Perfs ☒ Tubing Size 2 3/8 in. Coated? Y Prop. Packer Depth 5534 ft Min. Depth 546 (100-ft limit)
Proposed Max. Surface Press. 1117 psi Admin. Inj. Press. 1120 (0.2 psi per ft) ANY AREA IPI APPROVAL: _____
Specific Requirement(s) for Well: _____

MULTIPLE WELL APPLICATION: _____ of _____ Well No. _____ Well Name(s): _____
API : 30-0 _____ Spud Date: _____ New or Old: _____ (UIC Class II Primacy 03/07/1982)
Footages _____ Lot _____ or Unit _____ Sec _____ Tsp _____ Rge _____ County _____
WELL FILE REVIEWED ☐ Current Status: _____
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			Stage Tool	
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Interm/Prod				
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF			Inj Length	Hydrologic Information and AOR Well Summary on Coversheet

Completion/Operation Details: Drilled TD _____ PBDT _____ NEW TD _____ NEW PBDT _____
NEW Open Hole ☐ or NEW Perfs ☐ Tubing Size _____ in. Coated? _____ Prop. Packer Depth _____ ft Min. Depth _____ (100-ft limit)
Proposed Max. Surface Press. _____ psi Admin. Inj. Press. _____ (0.2 psi per ft) ANY AREA IPI APPROVAL: _____
Specific Requirement(s) for Well: _____

30-025-42493

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

HOBBS OCD

APACHE CORPORATION (OGRID: 873) WEST BLINEBRY DRINKARD UNIT #185W

MAR 30 2015

Projected TD: 7200' GL: 3503'

695' FSL & 1760' FEL UL: O Sec: 8 T21S R37E LEA COUNTY, NM

RECEIVED

1. GEOLOGIC NAME OF SURFACE FORMATION: Quaternary Aeolian Deposits
2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quaternary Aeolian	Surface	San Andres	4112'
Rustler	1250'	Glorieta	5199'
Top of Salt	1340'	Paddock	5277'
Base of Salt/Tansill	2513'	Blinebry	5674'
Yates	2652'	Tubb	6208'
Seven Rivers	2899'	Drinkard	6512'
Queen	3437'	ABO	6756'
Grayburg	3717'	TD	7200'

Depth to Ground Water: ~ 65'

All fresh water & prospectively valuable minerals, as described by BLM, encountered during drilling, will be recorded by depth & adequately protected. All oil & gas shows within zones of correlative rights will be tested to determine commercial potential.

CASING PROGRAM: All casing is new & API approved

HOLE SIZE	DEPTH	OD CSG	WEIGHT	COLLAR	GRADE	COLLAPSE	BURST	TENSION
11"	0' - 1275' ^{1375'}	8-5/8"	24#	STC	J-55	1.125	1.0	1.8
7-7/8"	0' - 7200'	5-1/2"	17#	LTC	L-80	1.125	1.0	1.8

3. CEMENT PROGRAM:

A. 8-5/8" Surface (100% excess cmt to surf):

Lead: 240 sx Cl C w/ 2% CaCL2 + 0.13# CF + 3# LCM1 _ 0.005 gps FP-6L + 4% Bentonite
(13.5 wt, 1.75 yld, 8.962 gal/sx) Comp Strengths: 12 hr - 500 psi 24 hr - 782 psi

Tail: 200 sx Cl C w/ 1% CaCL@ + 0.13# CF + 0.005 gps FP-6L
(14.8 wt, 1.34 yld, 6.302 gal/sx) Comp Strengths: 12 hr - 755psi 24hr - 1347psi

B. 5-1/2" Production (Cmt to surf / 30 % excess cmt):

Lead: 700 sx (35:65) Poz Cl C w/ 5% CaCL2 + 0.125 # CF + 3# LCM1 + 0.5% FL52 + 0.005 gps FP6L + 6% Bentonite,
0.3% Sodium Metasilicate (12.6 wt, 2.07 yld, 10.995 gal/sx) Comp Strengths: 12 hr - 580 psi 24 hr - 1072 psi

Tail: 275 sx (50:50) Poz Cl C w/ 5% CaCL2 + 0.13% CF + 3# LCM1 + 0.005gps FP6L + 2% Bentonite + 1% FL25 + 1%
BA58 + 0.1% Sodium Metasilicate
(14.2 wt, 1.37 yld, 5.971 gal/sx) Comp Strengths: 12 hr - 1130 psi 24 hr - 1633 psi

**** The above cmt volumes could be revised pending caliper measurement from open hole logs. For Surface csg: If cmt does not circ to surface, the appropriate BLM office shall be notified, TOC shall be determined by running a temperature log, operator will propose a remediation method & request BLM approval.**

30-025-4254

HOBBS OCD

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

MAY 19 2015

APACHE CORPORATION (OGRID: 873) WEST BLINEBRY DRINKARD UNIT #188W

Projected TD: 7200' GL: 3500'

640' FSL & 2170' FWL UL: N Sec: 9 T21S R37E LEA COUNTY, NM

RECEIVED

1. GEOLOGIC NAME OF SURFACE FORMATION: Quaternary Aeolian Deposits
2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quaternary Aeolian	Surface	San Andres	4136'
Rustler	1250'	Glorieta	5175'
Top of Salt	1340'	Paddock	5240'
Base of Salt/Tansill	2513'	Blinebry	5680'
Yates	2656'	Tubb	6126'
Seven Rivers	2899'	Drinkard	6437'
Queen	3463'	ABO	6683'
Grayburg	3746'	TD	7200'

Depth to Ground Water: ~ 65'

All fresh water & prospectively valuable minerals, as described by BLM, encountered during drilling, will be recorded by depth & adequately protected. All oil & gas shows within zones of correlative rights will be tested to determine commercial potential.

CASING PROGRAM: All casing is new & API approved

See COA

HOLE SIZE	DEPTH	OD CSG	WEIGHT	COLLAR	GRADE	COLLAPSE	BURST	TENSION
11"	0' - 1275'	8-5/8"	24#	STC	J-55	1.125	1.0	1.8
7-7/8"	0' - 7200'	5-1/2"	17#	LTC	L-80	1.125	1.0	1.8

3. CEMENT PROGRAM:

A. 8-5/8" Surface (100% excess cmt to surf):

Lead: 240 sx CI C w/ 2% CaCL2 + 0.13# CF + 3# LCM1 _ 0.005 gps FP-6L + 4% Bentonite
(13.5 wt, 1.75 yld, 8.962 gal/sx) Comp Strengths: 12 hr - 500 psi 24 hr - 782 psi

Tail: 200 sx CI C w/ 1% CaCL@ + 0.13# CF + 0.005 gps FP-6L
(14.8 wt, 1.34 yld, 6.302 gal/sx) Comp Strengths: 12 hr - 755psi 24hr - 1347psi

B. 5-1/2" Production (Cmt to surf / 30 % excess cmt):

Lead: 700 sx (35:65) Poz CI C w/ 5% CaCL2 + 0.125 # CF + 3# LCM1 + 0.5% FL52 + 0.005 gps FP6L + 6% Bentonite,
0.3% Sodium Metasilicate (12.6 wt, 2.07 yld, 10.995 gal/sx) Comp Strengths: 12 hr - 580 psi 24 hr - 1072 psi

Tail: 275 sx (50:50) Poz CI C w/ 5% CaCL2 + 0.13% CF + 3# LCM1 + 0.005gps FP6L + 2% Bentonite + 1% FL25 + 1%
BA58 + 0.1% Sodium Metasilicate
(14.2 wt, 1.37 yld, 5.971 gal/sx) Comp Strengths: 12 hr - 1130 psi 24 hr - 1633 psi

** The above cmt volumes could be revised pending caliper measurement from open hole logs. For Surface csg: If cmt does not circ to surface, the appropriate BLM office shall be notified, TOC shall be determined by running a temperature log, operator will propose a remediation method & request BLM approval.