DATE IN 6/13/2016	SUSPENSE	ENGINEER	LOGGED IN 6/13/2016	TYPE WFX	APP NO. pMAM 1616529742

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] WFX 955
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

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

Apache Corporation (OGRID 873)
West Blinebry Drinkard Unit
60, 76, & 78
30-025-06628
Eunice; BLI-TU-DR, North (22900)
(replaces all earlier versions)

[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

Drinkard only [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
X WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR — Pool — Eunice; BLI-TU-DR, North — 22900

[D] Other: Specify _____

[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

RECEIVED OCD
2016 JUN 13 A 8:0

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

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

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

Brian Wood		Consultant	6-12-16
Print or Type Name	Signature	Title	Date

(505) 466-8120 — brian@permitswest.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: XXX Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No

II. OPERATOR: APACHE CORPORATION

ADDRESS: 303 VETERANS AIRPARK LANE, SUITE 3000, MIDLAND, TX 79705

CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes XXX No
If yes, give the Division order number authorizing the project: R-12981 et al

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including: **WEST BLINEBRY DRINKARD UNIT 60, 76, & 78**

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).

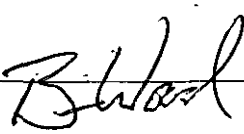
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: JUNE 9, 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: _____

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

III. WELL DATA

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

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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

Side 1

INJECTION WELL DATA SHEET

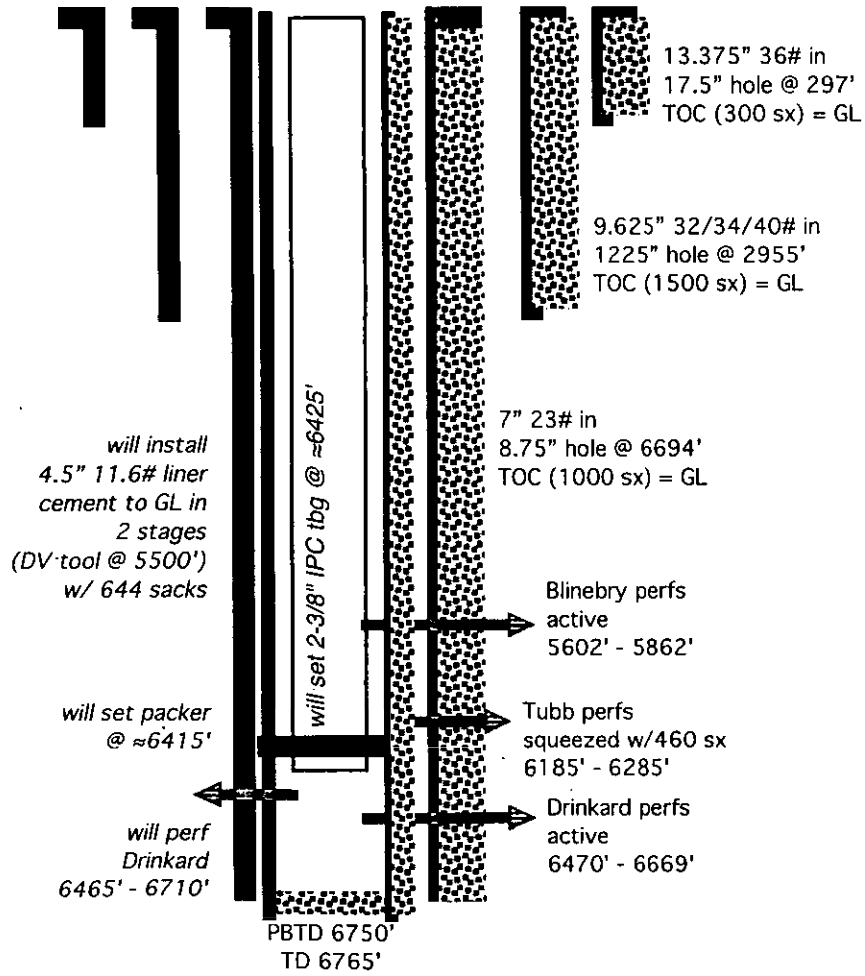
OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 60

WELL LOCATION:	720' FNL & 1980' FWL	F	16	21 S	37 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 300 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1500 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Production Casing

Hole Size: 8-3/4" Casing Size: 7"

Cemented with: 1000 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Total Depth: 6699' now and 6765' proposed

Injection Interval

6465' feet to 6710'

(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: ≈6415'

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

Additional Data

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

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

2. Name of the Injection Formation: DRINKARD

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   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'), BLINEBRY (5620'), TUBB (6130')

   UNDER: ABO (6715'), FUSSELMAN (7300')

Side 1

INJECTION WELL DATA SHEET

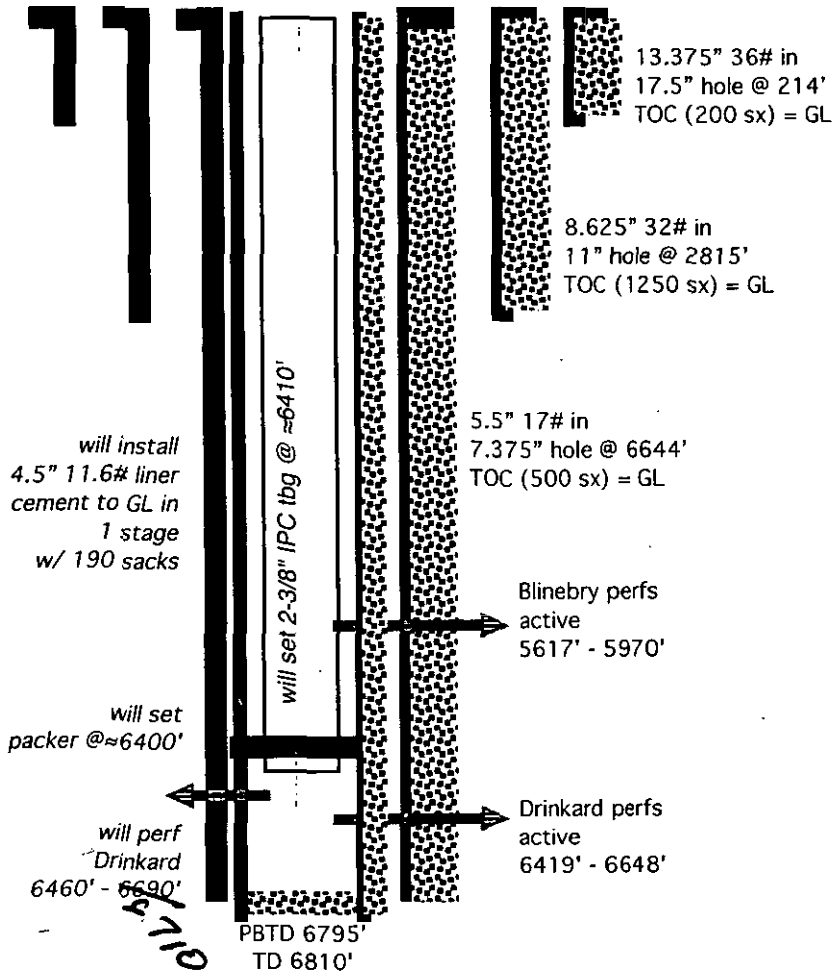
OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 76

WELL LOCATION:	1980' FSL & 1980' FWL	K	16	21 S	37 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 200 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 1250 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Production Casing

Hole Size: 7.375" Casing Size: 5.5"

Cemented with: 500 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Total Depth: 6654' now and 6810' proposed

Injection Interval

6460' 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: ≈6410'

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

Additional Data

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

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

2. Name of the Injection Formation: DRINKARD

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   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 (3688'), SAN ANDRES (3987'), BLINEBRY (5565'), TUBB (6110')

   UNDER: ABO (6697'), FUSSELMAN (7300')

Side 1

INJECTION WELL DATA SHEET

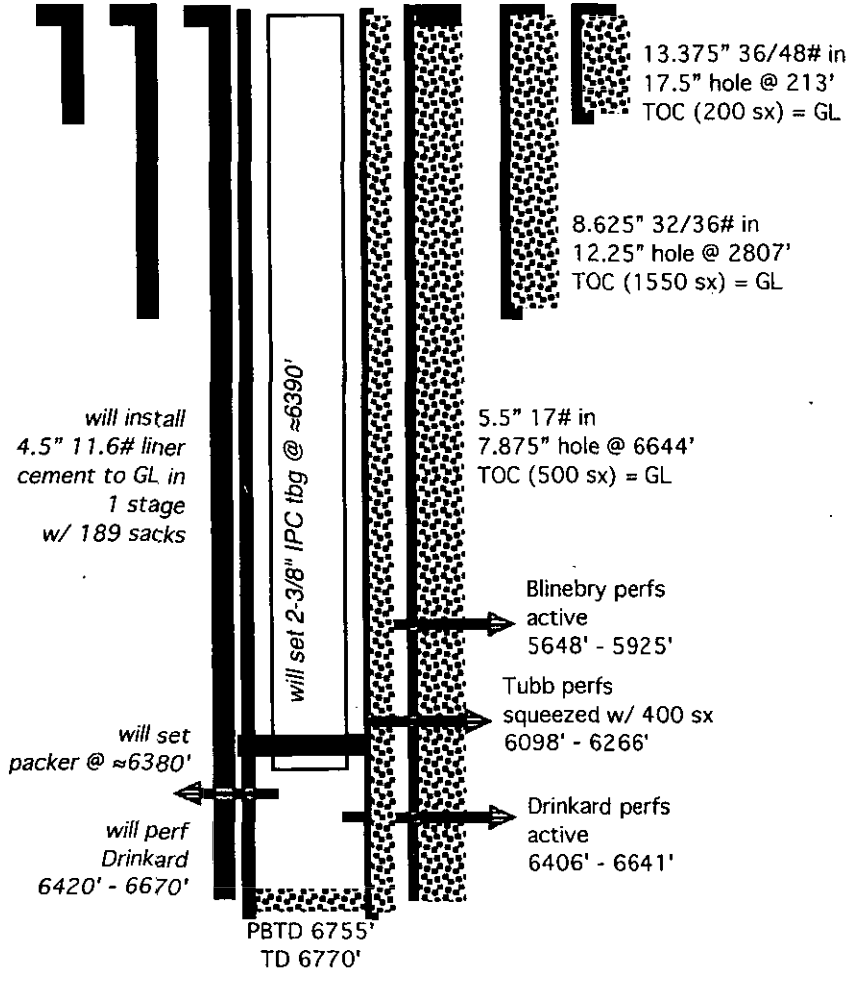
OPERATOR: APACHE CORPORATION

WELL NAME & NUMBER: WEST BLINEBRY DRINKARD UNIT 78

WELL LOCATION:	1980' FSL & 660' FEL	I	16	21 S	37 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 200 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Intermediate Casing

Hole Size: 12.25" Casing Size: 8.625"

Cemented with: 1550 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 500 sx. *or* _____ ft³

Top of Cement: GL Method Determined: CIRCULATED

Total Depth: 6644' now and 6770' proposed

Injection Interval

6420' feet to 6670'

(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: ≈6380'

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

Additional Data

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

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

2. Name of the Injection Formation: DRINKARD

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   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 (3712'), SAN ANDRES (3984'), PADDOCK (5356'), BLINEBRY (5645'), TUBB (6100')

UNDER: ABO (6675'), FUSSELMAN (7300'), McKEE (7838'), ELLENBURGER (8200')

APACHE CORPORATION
WEST BLINEBRY DRINKARD UNIT 60, 76, & 78
SEC. 16, T. 21 S., R. 37 E.
LEA COUNTY, NM

I. Goal is to deepen and change the injection interval of 3 existing water injection wells. All intervals are part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900). Wells and zone (Drinkard) are part of the West Blinebry Drinkard Unit (Cases 14125 and 14126, both Order Number R-12981), formed in 2008 by Apache. There have been 10 subsequent WFX approvals: -854, -857, -913, -921, -922, -923, -924, -948, -952, and -954. Thirty-four water injectors are active in the unit.

WBDU Well	API	Section 16	Proposed Injection Interval	Current TD
60	30-025-06628	720 FNL & 1980 FWL	6465' – 6710'	6699'
76	30-025-06616	1980 FSL & 1980 FWL	6460' – 6690'	6654'
78	30-025-06619	1980 FSL & 660 FEL	6420' – 6670'	6644'

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: 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

Well	NMSLO Lease	closest lease boundary	closest unit boundary
60	B0-1557-0002	660'	3300'
76	B0-0085-0016	660'	1980'
78	B0-0085-0016	660'	660'

A. (2) Current casing and cement conditions (see Exhibit B) are:

well & casing O. D.	pounds per foot	depth set	hole O. D.	cement sacks	TOC	how TOC determined
WBDU 60						
13.375"	36	297'	17.5"	300	GL	circ.
9.625"	32/34/40	2955'	12.25"	1500	GL	circ.
7"	23	6694'	8.75"	1000	GL	circ.
WBDU 76						
13.375"	36	214'	17.5"	200	GL	circ.
8.625"	32	2815'	11"	1250	GL	circ.
5.5"	17	6644'	7.375"	500	GL	circ.
WBDU 78						
13.375"	36/48	213'	17.5"	200	GL	circ.
8.625"	32/36	2807'	12.25"	1550	GL	circ.
5.5"	17	6644'	7.875"	500	GL	circ.

Wells will be deepened (see below) and 4.5", 11.6#, J-55, LTC liners run and cemented to surface. Liners will be flush joint in 76 and 78.

well	current TD	proposed setting depth	type cement job	sacks cement	proposed PBTD	proposed TD
60	6699'	6765'	2 stage w/ DV tool @ ≈5500'	644	6750'	6765'
76	6654'	6810'	single stage	190	6795'	6810'
78	6644'	6740'	single stage	189	6755'	6770'

A. (3) Tubing will be internally plastic coated 2-3/8", J-55, 4.7#. Setting depths will be ≈10' below the packer and ≈40' above the highest perforation. Highest perforations will be 6465' in #60, 6460' in #76, and 6420' in #78.

A. (4) A 2-3/8" x 4-1/2" nickel-plated Arrow-set packer will be set ≈50' above the highest perforation in each well.

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

B. (2) The wells are, and will be, cased holes. Perforation status is and will be:

well	current perfs	status	zone	proposed perfs	proposed injection zone
60	5602' - 5862'	active	Blinebry	6465' - 6710'	Drinkard
	6185' - 6285'	Squeezed w/ 460 sx	Tubb		
	6470' - 6669'	active	Drinkard		
76	5617' - 5970'	active	Blinebry	6460' - 6690'	Drinkard
	6419' - 6648'	active	Drinkard		
78	5648' - 5925'	active	Blinebry	6420' – 6670'	Drinkard
	6098' - 6266'	Squeezed w/ 400 sx	Tubb		
	6406' - 6641'	active	Drinkard		

B. (3) Wells were originally drilled and completed as oil wells in 1947 (#76 & #78) and 1954 (#60). They were converted to water injection wells in 2008 under R-12981.

B. (4) See table on preceding page for perforation and isolation histories.

B. (5) Next higher oil or gas zone in the area of review is the Tubb. It is in the same pool (22900) as the Drinkard and is in the WBDU. Tubb directly overlies the Drinkard. Next lower oil or gas zone in the area of review is the Wantz; Abo (62700). Abo top is at ≈6700'. 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 10 water flood expansion approvals since then.

V. Exhibit C shows all 127 existing wells (104 oil or gas wells + 18 water injection wells + 2 P&A wells + 1 brine supply well + 1 saltwater disposal well + 1 water supply well) + 2 proposed wells in the areas of review, regardless of depth. Exhibit D shows all 1005 existing wells (776 oil or gas wells + 103 injection or disposal wells + 82 P & A wells + 43 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 are:

Aliquot Parts in #60 Area of Review (T 21 S, R 37 E)	Lessor	Lease	Lessee(s) of Record	Blinebry, Tubb, or Drinkard operator
SESE Sec. 8	BLM	NMNM-090161	Apache & Chevron	Apache
SW4, W2SE4, SESE Sec. 9	BLM	NMNM-090161	Apache & Chevron	Apache
NE4 Sec. 16	NMSLO	B0-1732-0001	Chevron	Apache
NW4 Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
NW4 Sec. 16	NMSLO	B0-1557-0001	Occidental	Apache
N2SW4 & NWSE Sec. 16	NMSLO	B0-0085-0016	Apache	Apache
E2NE4 Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache

Aliquot Parts in #76 Area of Review (T 21 S, R 37 E)	Lessor	Lease	Lessee(s) of Record	Blinebry, Tubb, or Drinkard operator
NWNE Sec. 16	NMSLO	B0-1732-0001	Chevron	Apache
NW4 Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
NW4 Sec. 16	NMSLO	B0-1557-0001	Occidental	Apache
N2S2 Sec. 16	NMSLO	B0-0085-0016	Apache	Apache
S2S2 Sec. 16	NMSLO	B0-8105-0004	Apache	Apache
SENE & NESE Sec. 17	BLM	NMLC-032096A	Apache & Chevron	Apache
SESE Sec. 17	fee	Hardy	Apache	Apache
N2NW & NWNE Sec. 21	fee	Weatherly	Stephens & Johnson	Stephens & Johnson

Aliquot Parts in #78 Area of Review (T 21 S, R 37 E)	Lessor	Lease	Lessee(s) of Record	Blinebry, Tubb, or Drinkard operator
NWNW Sec. 15	NMSLO	B0-9188-0008	Chevron	Apache
S2NW4 Sec. 15	NMSLO	B0-1481-0018	Oxy USA WTP LP	Apache
SW4 Sec. 15	fee	Argo	Apache	Apache
NE4 Sec. 16	NMSLO	B0-1732-0001	Chevron	Apache
SENW Sec. 16	NMSLO	B0-1557-0002	Apache	Apache
SENW Sec. 16	NMSLO	B0-1557-0001	Occidental	Apache
NESW & N2SE4 Sec. 16	NMSLO	B0-0085-0016	Apache	Apache
SESW & S2SE4 Sec. 16	NMSLO	B0-8105-0004	Apache	Apache
NENE Sec. 21	BLM	NMLC-032591A	Apache, Elliott Hall, & Elliott Industries	Apache
NWNE Sec. 21	fee	Weatherly	Stephens & Johnson	Stephens & Johnson
NWNW Sec. 22	fee	Argo	Apache	Apache

VI. One hundred twenty-seven existing wells (Exhibit G) are within the areas of review. Eight-one of the wells penetrated the Drinkard (top ≥6420'). Tables abstracting the well construction details and histories of the penetrators are in Exhibit H. No penetrator is P&A.

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 water pumped from two existing ≈4000' deep San Andres water supply wells, plus produced water from Blinebry, Tubb, and Drinkard zones. The source water and produced water are collected in separate skim tanks. The two water streams (source and produced) are commingled in a tank before being piped to the injection wells. A comparison of nearby analyses and San Andres follows. No compatibility problems have reported from the 40,684,110 barrels that have been injected to date in the unit since 2009.

	WBDU Injection Pump Discharge	San Andres 919-S
Anion/Cation Ratio	1.0	N/A
Barium	0.1 mg/l	0.38 mg/l
Bicarbonate	671.0 mg/l	562.0 mg/l
Calcium	1,099.0 mg/l	608.0 mg/l
Carbon Dioxide	80.0 ppm	80.0 ppm
Chloride	10,086.0 mg/l	6,200.0 mg/l
Hydrogen Sulfide	90.0 ppm	408.0 ppm
Iron	0.3 mg/l	0.0 mg/l
Magnesium	439.0 mg/l	244.0 mg/l
Manganese	N/A	0.01 mg/l
pH	7.5	6.49
Potassium	115.0 mg/l	N/A
Sodium	5,799.5 mg/l	3,909.0 mg/l
Strontium	28.0 mg/	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 currently has 130 active or proposed oil wells and 35 active or porposed 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 Drinkard is Leonardian in age, 237' to 250' 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 155 Drinkard injection wells active in New Mexico. West Blinebry Drinkard Unit shares its east border with Apache's Northeast Drinkard Unit. Three similar water floods (East Blinebry Drinkard Units, Central Drinkard Unit, and Warren Blinebry Unit) are within a mile of the West Blinebry Drinkard Unit. The Central Drinkard Unit has been under water flood since the 1960s. Formation depths are:

Formation	WBDU 60	WBDU 76	WBDU 78
Quaternary	0	0	0
anhydrite	1280'	≈1237'	1260'
Yates	2510'	2660'	2640'
Seven Rivers	≈2882'	≈2863'	≈2745'
Queen	≈3455'	≈3413'	≈3417'
Grayburg	3710'	≈3688'	≈3712'
San Andres	3990'	≈3987'	≈3984'
Glorieta	5160'	≈5140'	5170'
Blinebry	5620'	5565'	5645'
Tubb	6130'	6110'	6100'
Drinkard & highest proposed perf	6465'	6460'	6420'
current TD	6699'	6654'	6644'
lowest proposed perf	6710'	6690'	6670'
Abo	6715'	6697'	6675'
proposed TD	6765'	6810'	6770'

State Engineer records (Exhibit I) indicate six water wells are within a mile (1610 meters) radius. Deepest of the water wells is 120'. Two water wells within a mile were found and sampled. Sampled well CP 00162 & 00163 is in Section 9. A well in Section 15 was sampled, but is not in the State Engineer's database. Their analyses are in Exhibit J. Ogallala aquifer is ≈7 miles northeast.

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

There will be >5100' of vertical separation and layers of salt and anhydrite between the bottom of the only likely underground fresh water source (red beds) and the top of the injection zone. (No water sands were reported in the red beds penetrated by these wells.) Produced water is currently being injected (194 wells) or disposed (9 wells) into the Yates, Seven Rivers, Queen, Grayburg, San Andres, Blinebry, Tubb, and Drinkard in T. 21 S., R. 37 E.

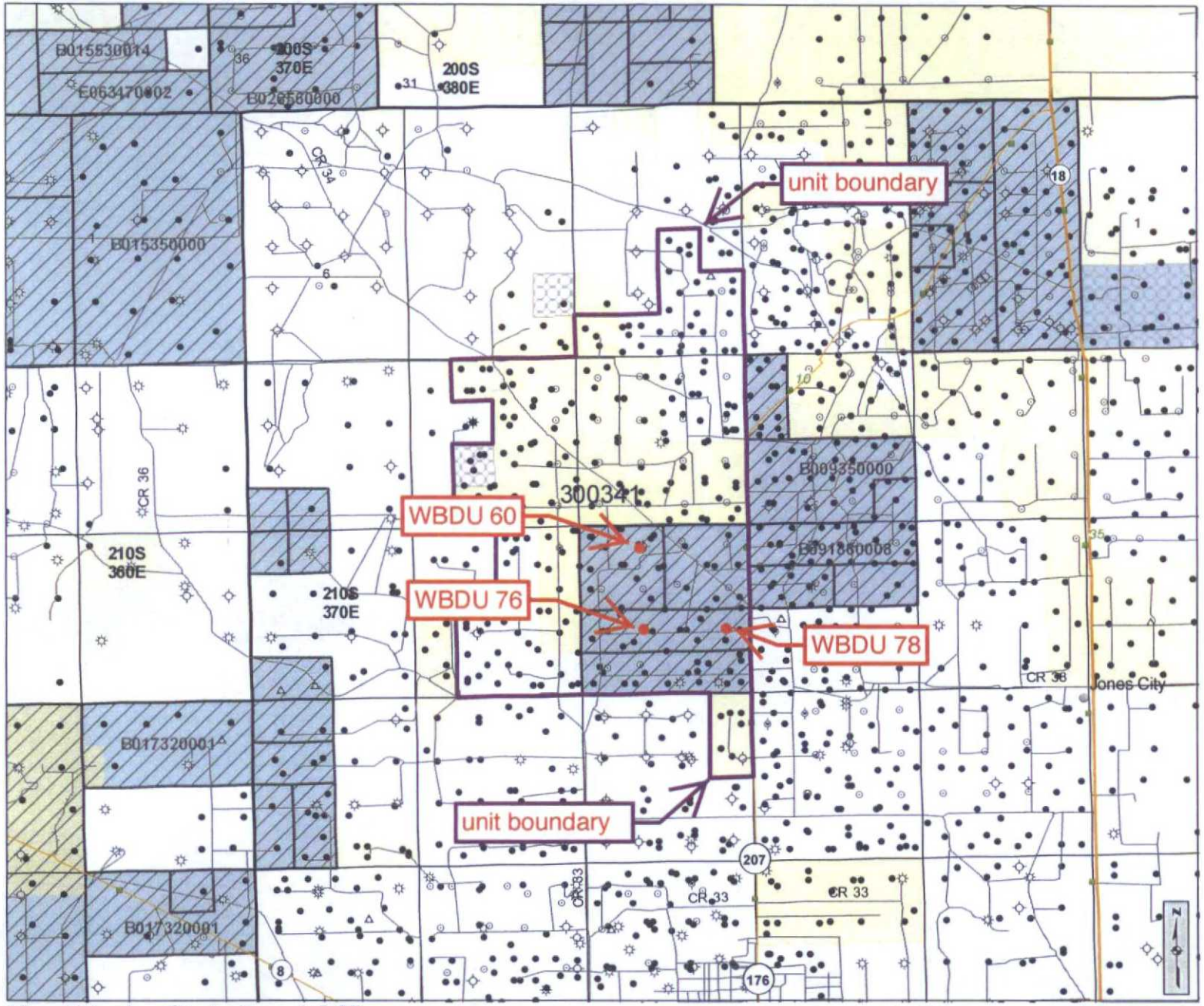
IX. The wells will be stimulated with acid.

X. No log is on file with NMOCD from #60. A SP resistivity log is on file with NMOCD from #76. A gamma ray neutron log is on file with NMOCD from #78. GR/CBL/CCL logs will be run in each well from TD to GL and filed with NMOCD.

XI. Six fresh water wells are within the three 1-mile radii. Two were sampled and analyses from those wells are attached as Exhibit J.

XII. Apache (Exhibit K) 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 157 active 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, 924, 948, 952, and 954.

XIII. A legal ad (see Exhibit L) was published June 9, 2016. Notice (this application) has been sent (Exhibit M) to the surface owner (NM State Land Office), offset Blinebry, Tubb, or Drinkard operators (Stephens & Johnson), offset non-Blinebry, Tubb, or Drinkard operators (Chevron, Key), other lessors, lessees, or leasehold operating rights holders (BLM, Chevron USA, ConocoPhillips, Elliott Hall Co. UT LP, Elliott Industries, John H. Hendrix Corp., NM State Land Office, Occidental Permian, Oxy USA WTP LP, Penroc Oil Corp., Six Aeches, and Stephens & Johnson) in the areas of review.



Cartographic Features

- County Boundaries
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Oil and Gas Related Features

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- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P Potash Enclave Outline

NMOCD Oil and Gas Wells

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

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

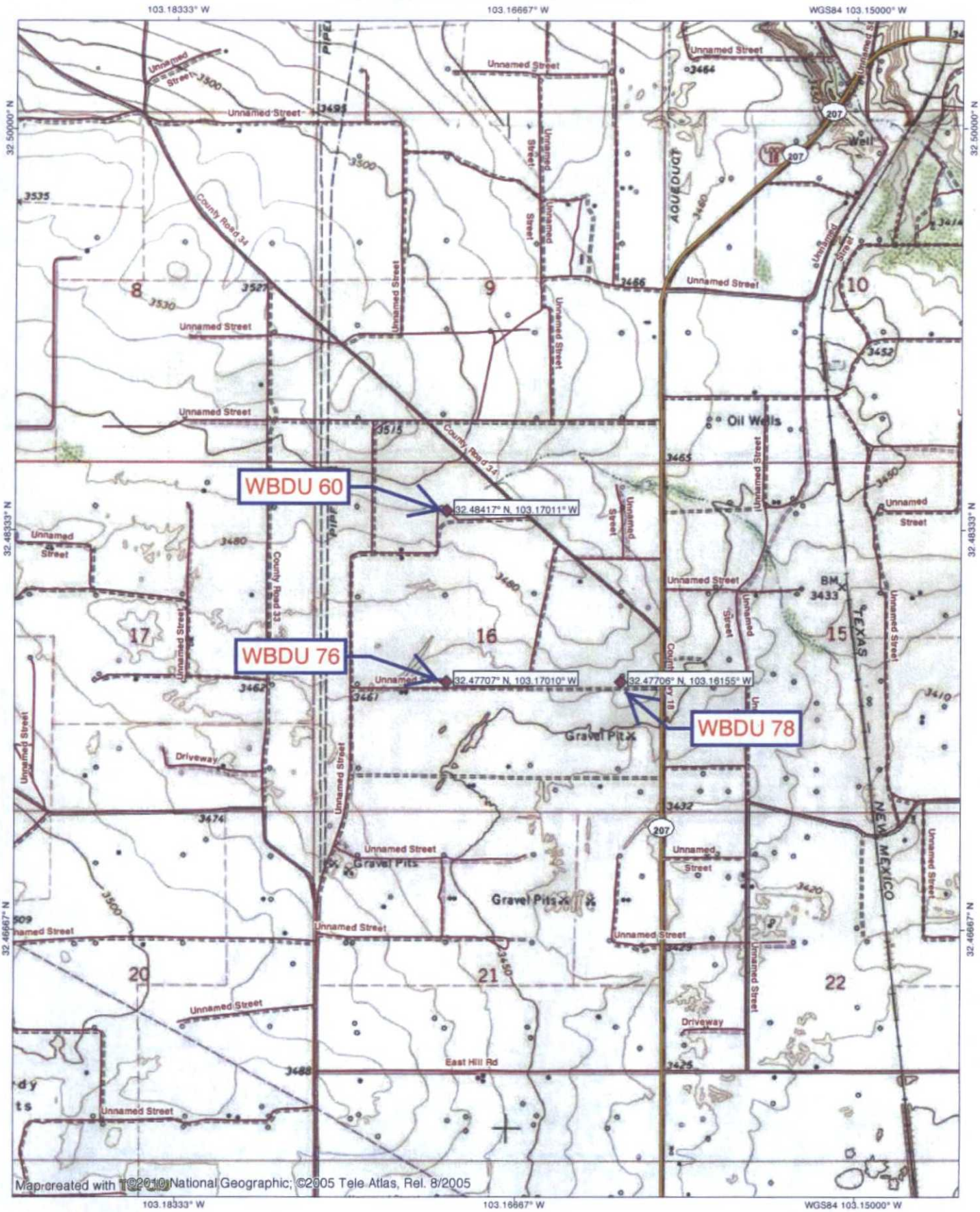
Land Office Geographic Information Center
logic@slo.state.nm.us

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

EXHIBIT A

www.nmstatelands.org

TOPO! map printed on 03/27/16 from "Untitled.tpo"



NATIONAL GEOGRAPHIC

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

EXHIBIT A

TN MN
7°
03/27/16

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

now WBDU 60

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
AMOCO PRODUCTION CO.	STATE C TR. 12	6-4

Unit Letter	Section	Township	Range	County
C	16	21-S	37-E	LEA

Actual Footage Location of Well:
660 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3499	TUBB	TUBB	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

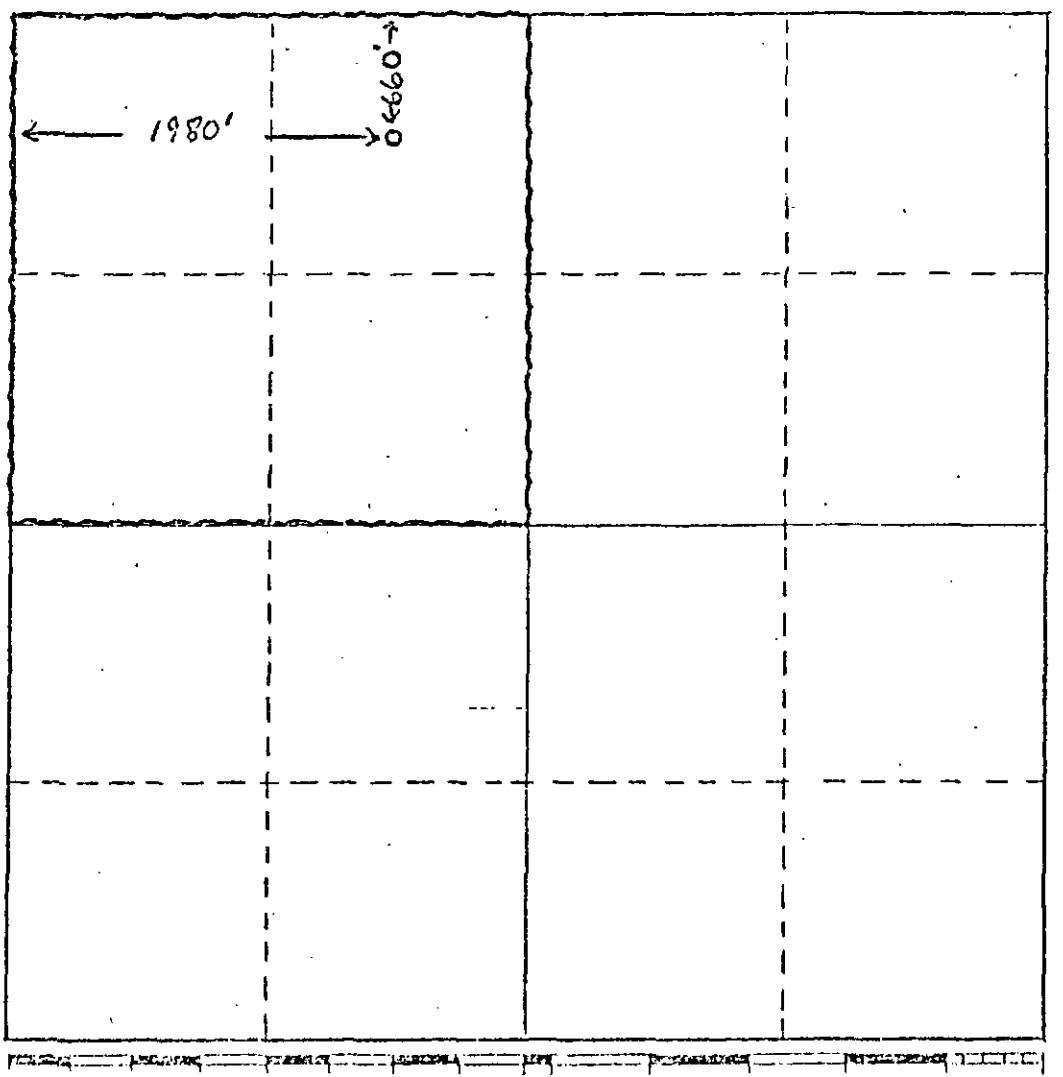
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No *If answer is "yes," type of consolidation* _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Randy Atkins

Position
ADMINISTRATIVE ANALYST

Company
AMOCO PRODUCTION CO.

Date
1-25-79

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

EXHIBIT A

Certificate No.

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

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

HOBBS OFFICE now WBDU 76

1962 APR 10 PM 2:30

SECTION A

Operator	Lease	Well No.
Amerada Petroleum Corporation	State "A"	2

Unit Letter	Section	Township	Range	County
K	16	21-S	37-E	Lea

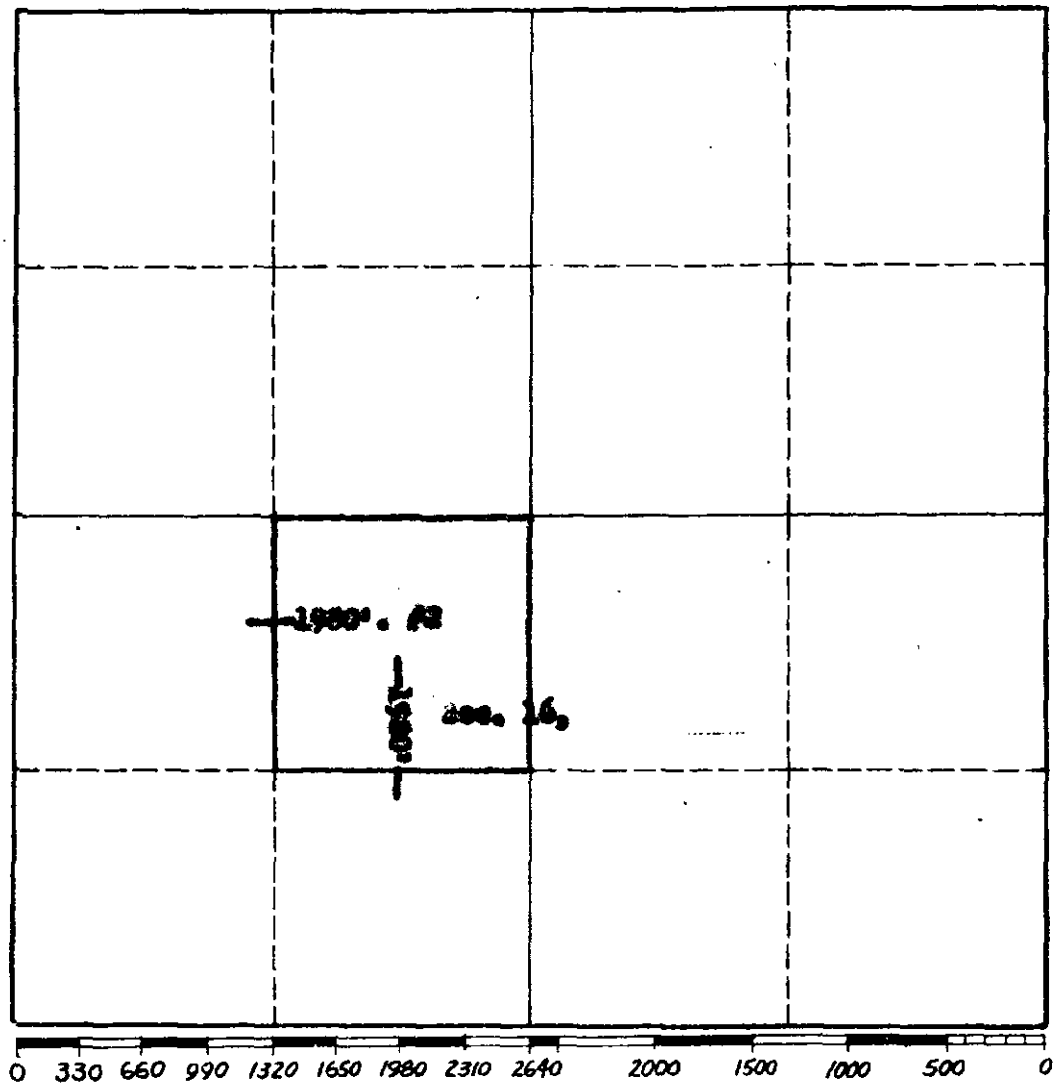
Actual Footage Location of Well:
1980 feet from the South line and 1980' feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3465' DF	Blinebry-Oil	Blinebry	Acres

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

Owner	Land Description

SECTION B



CERTIFICATION

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

B. A. Moore

Name: Asst. Dist. Supt.

Position: Amerada Petroleum Corp.

Company: April 9, 1962

Date

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

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

EXHIBIT A

Certificate No.

NEW MEXICO
CONSERVATION COMMISSI

Form C-128

Well Location and/or Gas Proration Plat

HOBBS OFFICE OCC

1962 APR 10 AM 9:52

Date March 7,1962

Operator Amerada Petroleum Corporation Lease State DA now WBDU 78

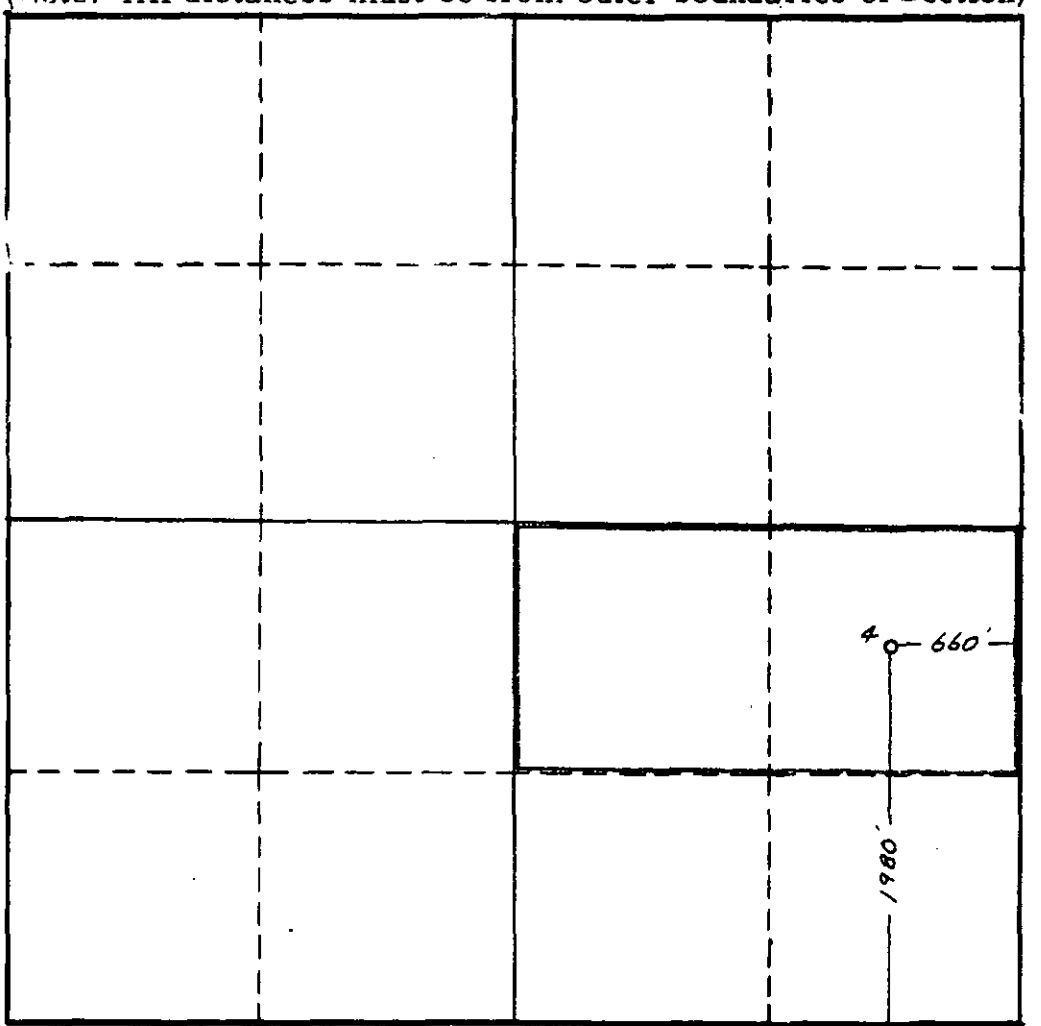
Well No. 4 Section 16 Township 21 S Range 37 E NMPM

Located 1980' Feet From S Line, 660 Feet From E Line,

Lea County, New Mexico. G. L. Elevation 3466

Name of Producing Formation Blinebry Pool Blinebry Gas Dedicated Acreage 80

(Note: All distances must be from outer boundaries of Section)



NOTE
This section of form is to be used for gas wells only.

1. Is this Well a Dual Comp. ? Yes X No ___.

2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes X No ___.

Name D.C. Cappe D.C. Cappe

Position District Superintendent

Representing Amerada Petroleum Corporation

Address Drawer "D", Monument, New Mexico

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

EXHIBIT A

Date Surveyed ___

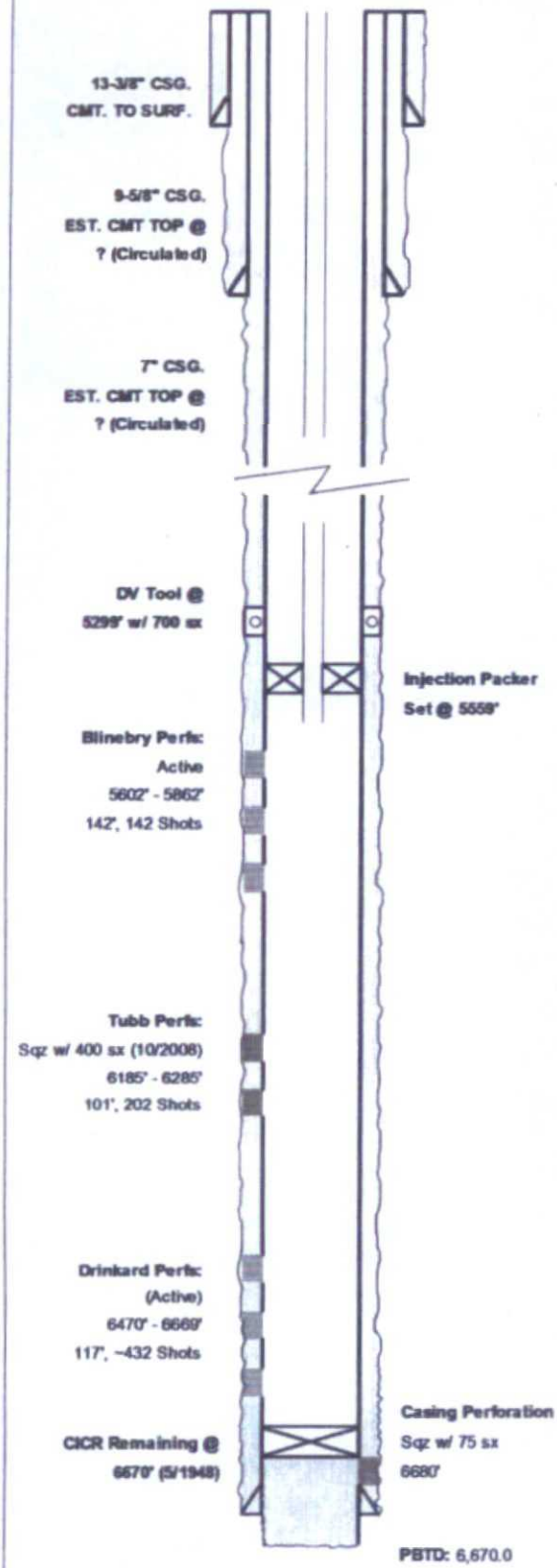
Registered Professional Engineer and/or Land Surveyor

Current Wellbore Diagram

Apache Corporation

WBDU #60W (State C Tract 12 #6Y)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU #60W (State C Tract 12 #6Y)	**API:**	30-025-06628
LOCATION:	720' FNL & 1980' FWL. Sec 16, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	5/6/1948 - 7/1/1948	**COMP. DATE:**	7/15/1948
PREPARED BY:	Bret Shapot	**DATE:**	11/11/2015
TD (ft): 6,699.0	**KB Elev. (ft):** 3509.0	**KB to Ground (ft)**	10.0
PBTD (ft): 6,670.0	**Ground Elev. (ft):** 3499.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 300sx., Circ.)	36.00	H-40	0.00	297.00
Int. Casing	9-5/8" (Cmt. w/ 1500sx, Circ.)	32 / 34 / 40	H-40	0.00	2,955.00
Prod. Casing	7" (Cmt. w/ 300sx / 700 sx, TOC @ ')	23.00	J-55 N-80	0.00	6,694.00

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	171 JTS 2-3/8" IPC Tubing		
2	Baker Lok-set packer w/on-off tool		
3			
4			
5			
6			
7			
8			
9			
10			

PERFORATIONS

Form.	Intervals	FT	SPF
Blinebry	5602' - 08', 26'-34', 38'-44', 50'-92', 5718'-32', 90'-5822', 5826'-38', 48'-62'	142	1
Tubb	6185' - 6285'	101	2
Drinkard	6578' - 6604', 6659' - 70'	39	6
	6470' - 88', 6512' - 30'	38	7
	6578'-6604', 6657'-69'	40	4

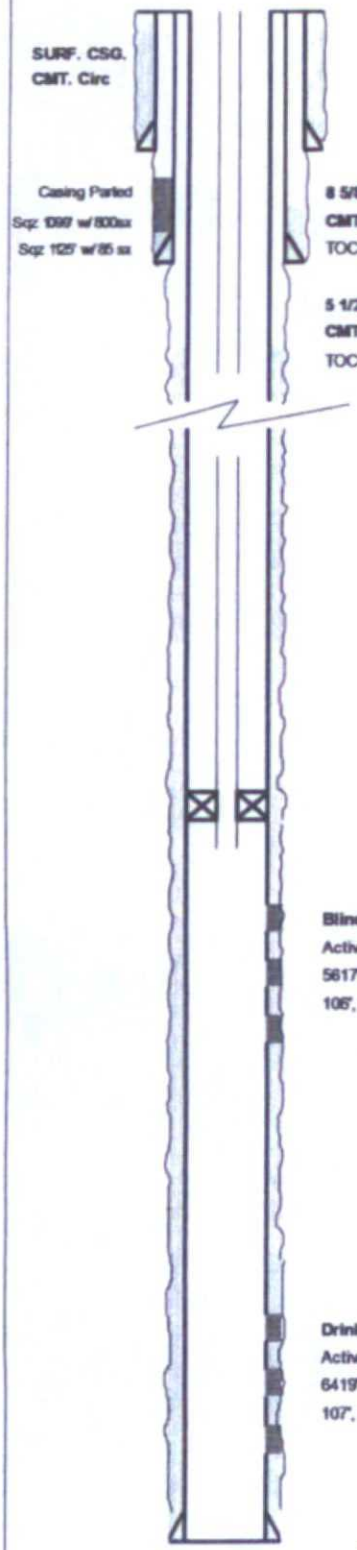
EXHIBIT B

Current Wellbore Diagram

Apache Corporation

WBDU 76W (Formerly State DA #2)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU 76W (Formerly State DA #2)	**API:**	30-025-06616
LOCATION:	660' FSL / 660' FWL, Sec 18, T-21S, R-37E	**COUNTY:**	Lea Co, NM
SPUD-TD DATE:	5/14/1947 - 6/22/1947	**COMP. DATE:**	6/29/1947
PREPARED BY:	Bret Shapot	**DATE:**	11/16/2015
TD (ft): 6,654	**KB Elev. (ft):** 3,465.0	**KB to Ground (ft):**	11.00
PBTD (ft): 6,651	**Ground Elev. (ft):** 3,454.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" 200 sx Circ	36.0	-	0	214
Intermediate	8-5/8" 1250 sx Circ	32.0	-	0	2,815
Production	5-1/2" 500 sx Circ	17.0	J-55	0	6,644

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	Lok-Set PKR @ 5521'		
2	170 JTS 2-3/8" IPC tbg		
3			
4			
5			
6			
7			
8			
9			
10			

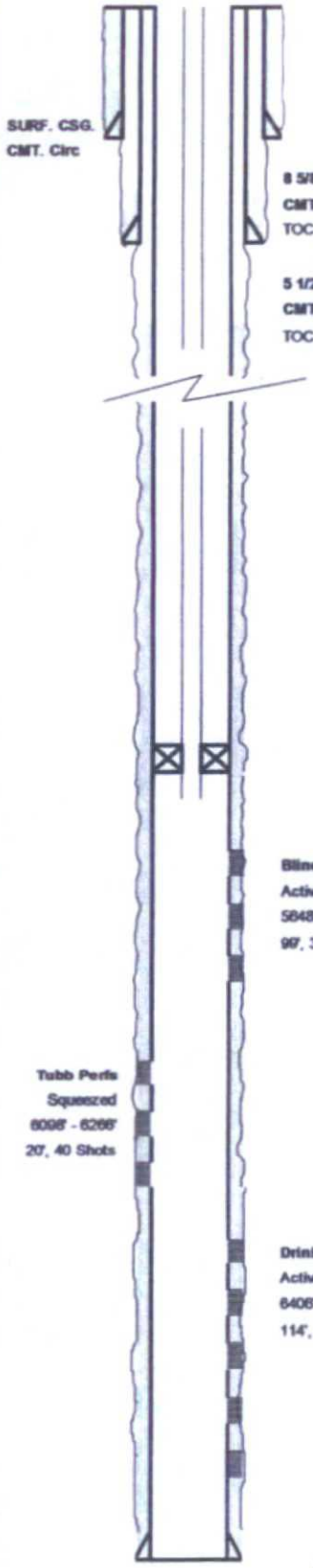
PERFORATIONS

Form.	Intervals	FT	SPF
Blinebry	(2/1962) 5794' - 98', 5803'-04', 07'-10', 15'-17', 25'-28', 33'-36', 40'-42', 45'-45', 49'-51', 56'-58', 63'-65', 67'-69', 80'-82', 84'-86, 5903'-05', 08-09', 14'-17', 21'-24'	58	2
	(5/1975) 5653', 61', 67', 5717', 23', 25', 36', 40', 46', 60', 67'	11	2
	(12/1996) 5617', 36', 39', 45', 56', 73', 78', 80', 83', 90', 5705', 20', 29', 49', 53', 70', 77', 80', 5951', 53', 55', 57', 59', 62', 67', 70'	37	1
Drinkard	(6/1947) 6600' - 23', 6623' - 48',	50	4
	(2/1952) 6555' - 6600'	46	4
	(5/1975) 6419', 25', 47', 60', 72', 77', 82', 85', 90', 96', 6501'	11	2

EXHIBIT B

Current Wellbore Diagram

Apache Corporation
WBDU 78W
WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU 78W	**API:**	30-025-06340
LOCATION:	660' FSL, 660' FEL, Sec 18, T-21S, R-37E	**COUNTY:**	Lea Co, NM
SPUD-TD DATE:	8/12/1947 - 9/13/1947	**COMP. DATE:**	9/23/1947
PREPARED BY:	Bret Shapot	**DATE:**	8/12/2015
TD (ft): 6,644	**KB Elev. (ft):** 3,474.0	**KB to Ground (ft):**	8.00
PBTD (ft): 6,641	**Ground Elev. (ft):** 3,466.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" 200 sx Circ	36 / 48	H-40	0	213
Intermediate	8-5/8" 1550 sx Circ	32 / 36	J-55	0	2,807
Production	5-1/2" 500 sx Circ	17.0	J-55	0	6,644

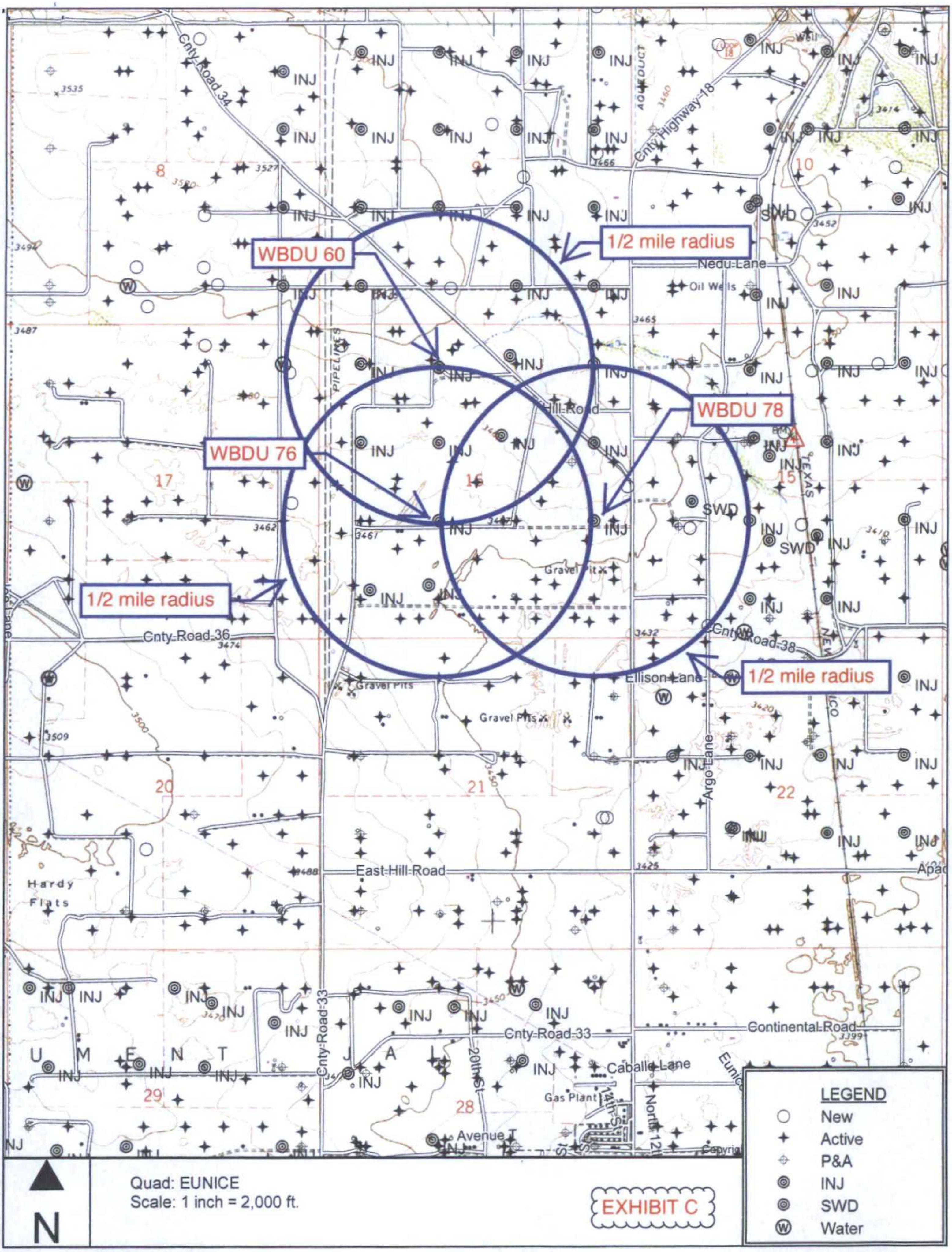
INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	Lok-Set PKR @ 5578'		
2	172 JTS 2-3/8" IPC tbg		
3			
4			
5			
6			
7			
8			
9			
10			

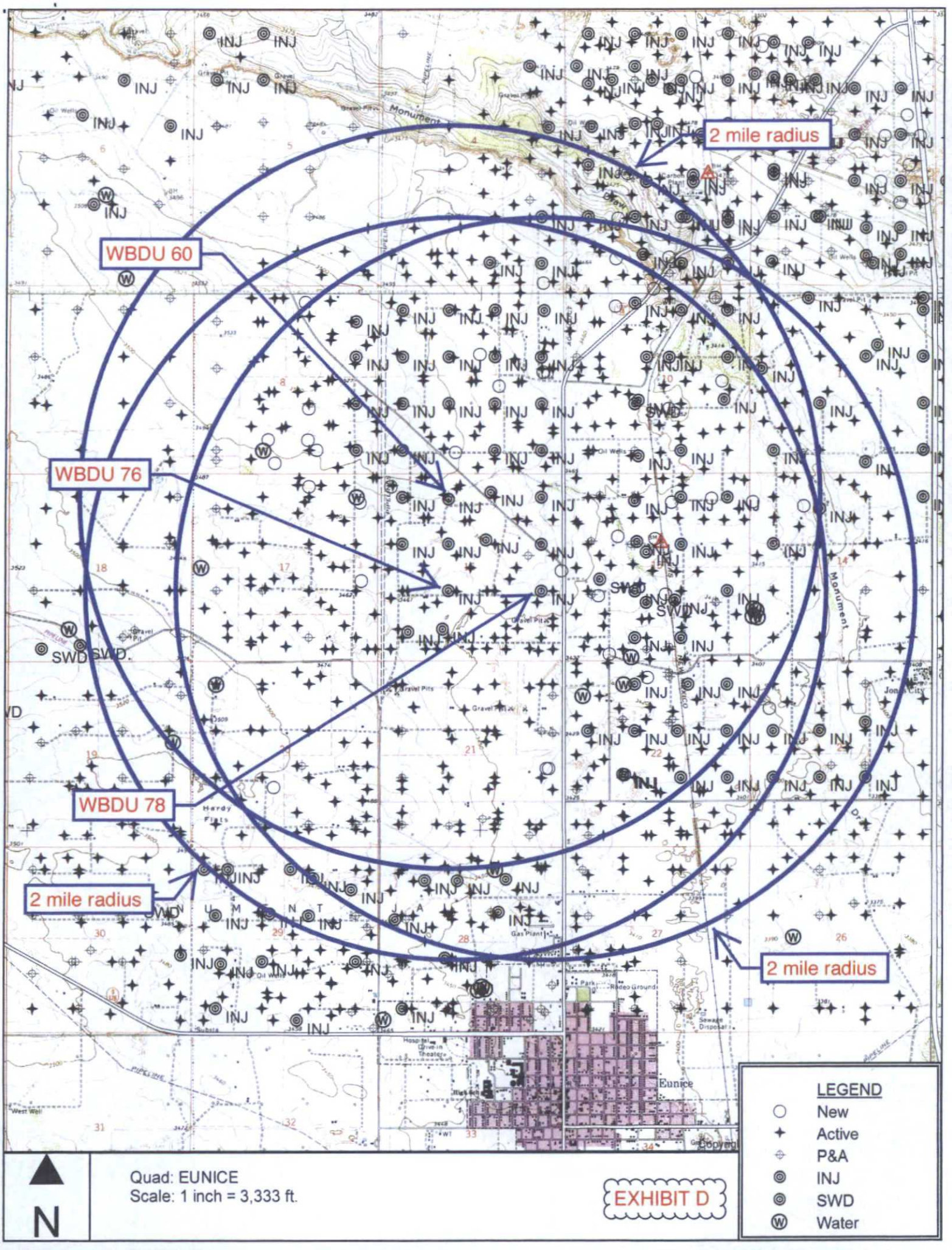
PERFORATIONS

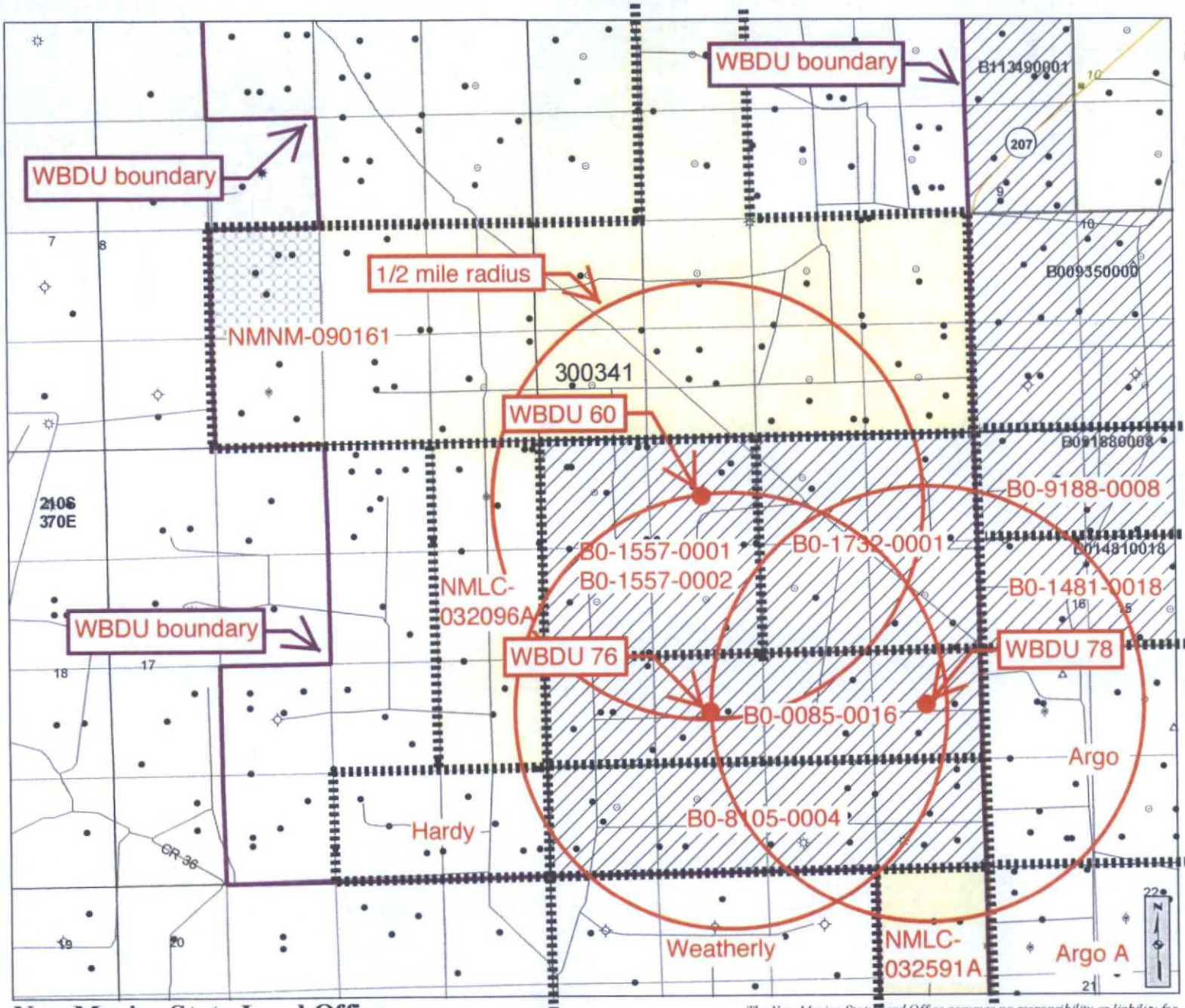
Form.	Intervals	FT	SPF
Blinebry	5648' - 5718'	71	4
	5724', 30', 33', 48', 51', 65', 70', 74', 79', 85', 96', 5801', 08', 13', 20', 23', 29', 39', 46', 50', 66', 76', 86', 94', 5908', 12', 20', 25'	28	2
Tubb	(Squeezed) 6098' - 6102', 6190' - 94', 6216' - 20', 6262' - 66'	20	2
Drinkard	6528' - 82', 6600' - 41'	97	4
	6406', 16', 20', 26', 40', 44', 50', 54', 60', 66', 70', 74', 80', 88', 92', 96', 6501'	17	2

EXHIBIT B



WBDU 60
WBDU 76
WBDU 78
1/2 mile radius
1/2 mile radius
1/2 mile radius
Cnty Road 34
Cnty Highway 18
Nedu Lane
Oil Wells
Hill Road
Cnty Road 36
Cnty Road 38
Ellison Lane
Argo Lane
Gravel Pit
Gravel Pits
East Hill Road
Hardy Flats
Cnty Road 33
Continental Road
Caballe Lane
Gas Plant
Avenue T
20th St
PIPELINES
AQUEDUCT
TEXAS
NEW MEXICO
EUNICE MONUMENT
LEGEND
New
Active
P&A
INJ
SWD
Water
N
Quad: EUNICE
Scale: 1 inch = 2,000 ft.
EXHIBIT C


2 mile radius
WBDU 60
WBDU 76
WBDU 78
2 mile radius
2 mile radius
Monument
Eunice
LEGEND
New
Active
P&A
INJ
SWD
Water
N
Quad: EUNICE
Scale: 1 inch = 3,333 ft.
EXHIBIT D



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- SLO District Boundary
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- Surface and Subsurface Estate

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NMOCD Oil and Gas Wells
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- Gas
- Injection
- Miscellaneous
- Oil
- Salt Water Disposal
- Water
- DA or PA

New Mexico State Land Office
Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4 Miles

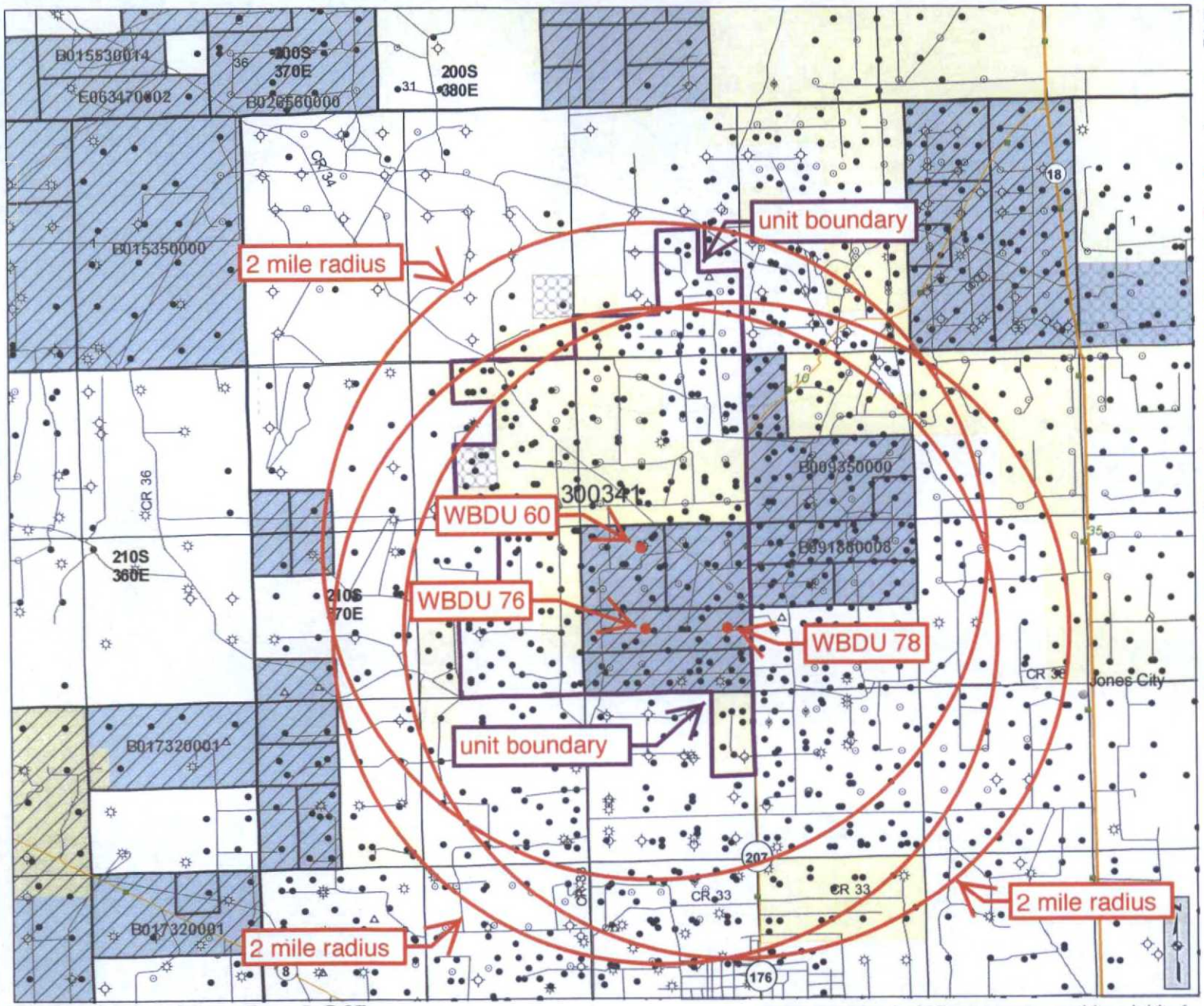
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

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

Created On: 4/3/2016 10:46:44 AM

EXHIBIT E

www.nmstatelands.org



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- SLO District Boundary
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State Leases
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NMOCD Oil and Gas Wells
- CO^2
- Gas
- Injection
- Miscellaneous
- Oil
- Salt Water Disposal
- Water
- 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

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

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

EXHIBIT F

www.nmstatelands.org

ALL WELLS IN WBDU 60 AREA OF REVIEW

API	OPERATOR	WELL	TYPE	UNIT-SECTION T21S, R37E	TVD	ZONE	FEET FROM WBDU 60
3002506627	Stanolind	State C TR 12 006	P&A	C-16	5762	Eunice; Bli-Tu-Dr, N	60
3002535707	Apache	State C Tract 12 009	O	C-16	4450	Penrose Skelly; Grayburg	178
3002537202	Apache	State C Tract 12 021	O	C-16	7300	Wantz; Abo	370
3002536095	Apache	State C Tract 12 013	O	C-16	4150	Penrose Skelly; Grayburg	511
3002538268	Apache	WBDU 064	O	F-16	6892	Eunice; Bli-Tu-Dr, N	767
3002536478	Apache	State C Tract 12 015	O	C-16	4725	Penrose Skelly; Grayburg	780
3002536613	Apache	State C Tract 12 017	O	C-16	4386	Penrose Skelly; Grayburg	852
3002536305	Apache	WBDU 062	O	D-16	6950	Eunice; Bli-Tu-Dr, N	882
3002536618	Apache	State C Tract 12 016	O	D-16	4350	Penrose Skelly; Grayburg	910
3002535708	Apache	State C Tract 12 010	O	F-16	4200	Penrose Skelly; Grayburg	951
3002538267	Apache	WBDU 063	O	D-16	6845	Eunice; Bli-Tu-Dr, N	999
3002535515	Apache	State C Tract 12 008	O	D-16	4450	Penrose Skelly; Grayburg	1177
3002541547	Apache	WBDU 178	I	B-16	6948	Eunice; Bli-Tu-Dr, N	1199
3002538197	Apache	WBDU 051	O	O-9	6837	Eunice; Bli-Tu-Dr, N	1216
3002506626	Apache	WBDU 059	I	F-16	7502	Eunice; Bli-Tu-Dr, N	1260
3002506622	Chevron	Harry Leonard NCT E 003	O	B-16	6710	Penrose Skelly; Grayburg	1299
3002506629	Apache	WBDU 061	I	D-16	6690	Eunice; Bli-Tu-Dr, N	1328
3002542569	Apache	WBDU 188	I	N-9	plan 7200	Eunice; Bli-Tu-Dr, N	1373
3002535882	Apache	Hawk Fed B 1 031	O	N-9	4204	Penrose Skelly; Grayburg	1427
3002541548	Apache	WBDU 168	I	G-16	6982	Eunice; Bli-Tu-Dr, N	1550
3002536725	Apache	State C Tract 12 019	O	F-16	4350	Penrose Skelly; Grayburg	1608
3002541454	Apache	State C Tract 12 COM 001Y	O	D-16	6872	Eunice; Bli-Tu-Dr, N	1656
3002541375	Apache	State C Tract 12 001H	P&A	D-16	1295	Fish	1704
3002535880	Apache	Hawk Fed B 1 028	O	O-9	4200	Penrose Skelly; Grayburg	1725
3002536115	Apache	State C Tract 12 012	O	E-16	4125	Penrose Skelly; Grayburg	1765

EXHIBIT G

ALL WELLS IN WBDU 60 AREA OF REVIEW

API	OPERATOR	WELL	TYPE	UNIT-SECTION T21S, R37E	TVD	ZONE	FEET FROM WBDU 60
3002509907	Apache	Hawk Fed B 1 006	O	N-9	7530	Eunice-Mon; Grayburg-SA	1780
3002506620	Chevron	Harry Leonard NCT E 001	O	G-16	6670	Penrose Skelly; Grayburg	1812
3002506625	Apache	WBDU 058	I	E-16	6660	Eunice; Bli-Tu-Dr, N	1827
3002536344	Apache	WBDU 045	O	N-9	6900	Eunice; Bli-Tu-Dr, N	1835
3002509906	Apache	WBDU 038	I	O-9	6770	Eunice; Bli-Tu-Dr, N	1891
3002506441	Apache	WBDU 039	I	M-9	6770	Eunice; Bli-Tu-Dr, N	1917
3002536531	Apache	Hawk Fed B 1 038	O	O-9	4350	Penrose Skelly; Grayburg	1938
3002536614	Apache	State C Tract 12 018	O	E-16	4350	Penrose Skelly; Grayburg	2000
3002539119	Apache	WBDU 098	O	B-16	6880	Penrose Skelly; Grayburg	2026
3002538198	Apache	WBDU 052	O	O-9	6870	Eunice; Bli-Tu-Dr, N	2032
3002538230	Apache	WBDU 081	O	K-16	6793	Eunice; Bli-Tu-Dr, N	2034
3002535709	Apache	State C Tract 12 011	O	E-16	4200	Penrose Skelly; Grayburg	2080
3002535796	Apache	Hawk Fed B 1 019	O	M-9	4200	Penrose Skelly; Grayburg	2088
3002538206	Apache	WBDU 071	O	A-17	6905	Eunice; Bli-Tu-Dr, N	2094
3002536533	Apache	Hawk Fed B 1 040	O	M-9	4775	Penrose Skelly; Grayburg	2151
3002536662	Apache	Hawk Fed B 1 035	O	P-9	4350	Penrose Skelly; Grayburg	2156
3002536661	Apache	LOCKHART A 17 009	O	A-17	4350	Penrose Skelly; Grayburg	2160
3002538220	Apache	WBDU 080	O	L-16	6875	Eunice; Bli-Tu-Dr, N	2162
3002537743	Apache	WBDU 049	O	J-9	6950	Eunice; Bli-Tu-Dr, N	2227
3002538205	Apache	WBDU 070	O	A-17	6925	Eunice; Bli-Tu-Dr, N	2256
3002536741	Chevron	Harry Leonard NCT E 007	O	H-16	4345	Penrose Skelly; Grayburg	2297
3002542495	Apache	WBDU 130	I	A-17	Plan 7200	Eunice; Bli-Tu-Dr, N	2533
3002535799	Apache	Hawk Fed B 1 026	O	K-9	4200	Penrose Skelly; Grayburg	2560
3002506616	Apache	WBDU 076	I	K-16	6654	Eunice; Bli-Tu-Dr, N	2582
3002535516	Apache	State DA 007	O	K-16	4200	Penrose Skelly; Grayburg	2614
3002536617	Apache	State DA 009	O	L-16	4350	Penrose Skelly; Grayburg	2624
3002506623	Apache	WBDU 057	I	A-16	6699	Eunice; Bli-Tu-Dr, N	2625

EXHIBIT G

ALL WELLS IN WBDU 76 AREA OF REVIEW

API	WHO	WELL	UNIT-SECTION T21S, R37E	TVD	STATUS	ZONE	FEET FROM WBDU 76
3002535516	Apache	State DA 007	K-16	4200	O	Penrose Skelly; Grayburg	234
3002536787	Apache	State DA 011	K-16	4350	O	Penrose Skelly; Grayburg	467
3002538414	Apache	WBDU 083	L-16	6850	O	Eunice; Bli-Tu-Dr, N	845
3002538230	Apache	WBDU 081	K-16	6793	O	Eunice; Bli-Tu-Dr, N	906
3002538415	Apache	WBDU 084	K-16	6835	O	Eunice; Bli-Tu-Dr, N	923
3002538220	Apache	WBDU 080	L-16	6875	O	Eunice; Bli-Tu-Dr, N	926
3002536614	Apache	State C Tract 12 018	E-16	4350	O	Penrose Skelly; Grayburg	1009
3002536725	Apache	State C Tract 12 019	F-16	4350	O	Penrose Skelly; Grayburg	1017
3002535765	Apache	State DA 008	J-16	4200	O	Penrose Skelly; Grayburg	1078
3002541549	Apache	WBDU 154	N-16	6952	I	Eunice; Bli-Tu-Dr, N	1098
3002534245	Apache	State DA 006	L-16	4000	O	Penrose Skelly; Grayburg	1176
3002506618	Apache	WBDU 077	J-16	6630	O	Eunice; Bli-Tu-Dr, N	1299
3002506631	Apache	State Land 15 002	N-16	6700	O	Penrose Skelly; Grayburg	1320
3002506626	Apache	WBDU 059	F-16	7502	I	Eunice; Bli-Tu-Dr, N	1322
3002506615	Apache	WBDU 075	L-16	6650	O	Eunice; Bli-Tu-Dr, N	1327
3002541543	Apache	WBDU 152	M-16	6955	I	Eunice; Bli-Tu-Dr, N	1643
3002537201	Apache	WBDU 079	J-16	7310	O	Eunice; Bli-Tu-Dr, N	1664
3002535708	Apache	State C Tract 12 010	F-16	4200	O	Penrose Skelly; Grayburg	1664
3002537864	Apache	State DA 014	L-16	4375	O	Penrose Skelly; Grayburg	1670
3002537365	Apache	State Land 15 008	N-16	4435	O	Penrose Skelly; Grayburg	1682
3002536786	Apache	State DA 010	J-16	4345	O	Penrose Skelly; Grayburg	1761
3002537537	Apache	WBDU 094	N-16	7290	O	Eunice; Bli-Tu-Dr, N	1773
3002541548	Apache	WBDU 168	G-16	6982	I	Eunice; Bli-Tu-Dr, N	1779
3002537536	Apache	WBDU 093	O-16	7102	O	Eunice; Bli-Tu-Dr, N	1781
3002539606	Apache	State Land 15 019	M-16	4414	O	Penrose Skelly; Grayburg	1807
3002536617	Apache	State DA 009	L-16	4350	O	Penrose Skelly; Grayburg	1826
3002506620	Chevron	Harry Leonard NCT E 001	G-16	6670	O	Penrose Skelly; Grayburg	1850
3002506632	Apache	WBDU 088	O-16	6660	O	Eunice; Bli-Tu-Dr, N	1854
3002506630	Apache	State Land 15 001	M-16	6700	O	Penrose Skelly; Grayburg	1869
3002506625	Apache	WBDU 058	E-16	6660	I	Eunice; Bli-Tu-Dr, N	1875

ALL WELLS IN WBDU 76 AREA OF REVIEW

API	WHO	WELL	UNIT-SECTION T21S, R37E	TVD	STATUS	ZONE	FEET FROM WBDU 76
3002538378	Apache	State Land 15 016	O-16	4135	O	Penrose Skelly; Grayburg	1910
3002537482	Apache	State Land 15 013	O-16	4392	G	Penrose Skelly; Grayburg	1957
3002538268	Apache	WBDU 064	F-16	6892	O	Eunice; Bli-Tu-Dr, N	2024
3002538231	Apache	WBDU 082	J-16	6875	O	Eunice; Bli-Tu-Dr, N	2027
3002536613	Apache	State C Tract 12 017	C-16	4386	O	Penrose Skelly; Grayburg	2082
3002539605	Apache	State Land 15 018	O-16	4404	O	Penrose Skelly; Grayburg	2101
3002535709	Apache	State C Tract 12 011	E-16	4200	O	Penrose Skelly; Grayburg	2123
3002536478	Apache	State C Tract 12 015	C-16	4725	O	Penrose Skelly; Grayburg	2144
3002536305	Apache	WBDU 062	D-16	6950	O	Eunice; Bli-Tu-Dr, N	2184
3002538204	Apache	WBDU 069	I-17	6829	O	Eunice; Bli-Tu-Dr, N	2210
3002539958	Apache	WBDU 126	P-17	6920	O	Eunice; Bli-Tu-Dr, N	2213
3002537535	Apache	WBDU 092	O-16	7284	O	Eunice; Bli-Tu-Dr, N	2229
3002536646	Apache	Weatherly 21 005	C-21	4250	O	Penrose Skelly; Grayburg	2313
3002520311	Apache	WBDU 091	O-16	7300	O	Eunice; Bli-Tu-Dr, N	2323
3002537364	Apache	State Land 15 007	M-16	4402	O	Penrose Skelly; Grayburg	2336
3002537834	Chevron	Harry Leonard NCT E 008	H-16	4300	O	Penrose Skelly; Grayburg	2459
3002542496	Apache	WBDU 221	I-17	Plan 7200	O	Eunice; Bli-Tu-Dr, N	2514
3002537916	Apache	State DA 013	I-16	4398	O	Penrose Skelly; Grayburg	2527
3002536115	Apache	State C Tract 12 012	E-16	4125	O	Penrose Skelly; Grayburg	2580
3002506628	Apache	WBDU 060	C-16	6699	I	Eunice; Bli-Tu-Dr, N	2582
3002506619	Apache	WBDU 078	I-16	6644	I	Eunice; Bli-Tu-Dr, N	2625
3002506721	Stephens & Johnson	Weatherly 003	C-21	6624	O	Blinebry Oil & Gas (Oil) and Drinkard	2640

ALL WELLS IN WBDU 78 AREA OF REVIEW

API	WHO	WELL	STATUS	UNIT-SECTION T21S, R37E	TVD	ZONE	FEET FROM WBDU 78
3002506617	Apache	State DA 005	O	I-16	8225	Penrose Skelly; Grayburg	332
3002537916	Apache	State DA 013	O	I-16	4398	Penrose Skelly; Grayburg	351
3002542537	Apache	WBDU 164	O	H-16	Plan 7000	Eunice; Bli-Tu-Dr, N	778
3002539963	Apache	WBDU 114	O	P-16	6970	Eunice; Bli-Tu-Dr, N	848
3002536786	Apache	State DA 010	O	J-16	4345	Penrose Skelly; Grayburg	954
3002538231	Apache	WBDU 082	O	J-16	6875	Eunice; Bli-Tu-Dr, N	959
3002506624	Chevron	Harry Leonard NCT E 005	O	H-16	8220	Penrose Skelly; Grayburg	1043
3002539449	Apache	State Land 15 017	O	P-16	4415	Penrose Skelly; Grayburg	1045
3002537201	Apache	WBDU 079	O	J-16	7310	Eunice; Bli-Tu-Dr, N	1047
3002537834	Chevron	Harry Leonard NCT E 008	O	H-16	4300	Penrose Skelly; Grayburg	1059
3002537238	Apache	NEDU 629	O	L-15	6900	Eunice; Bli-Tu-Dr, N	1187
3002537243	Apache	NEDU 721	O	M-15	6850	Eunice; Bli-Tu-Dr, N	1201
3002537535	Apache	WBDU 092	O	O-16	7284	Eunice; Bli-Tu-Dr, N	1263
3002506633	Apache	WBDU 089	O	P-16	6665	Eunice; Bli-Tu-Dr, N	1320
3002506621	Apache	WBDU 056	I	H-16	6780	Eunice; Bli-Tu-Dr, N	1320
3002509916	Apache	NEDU 701	O	L-15	6654	Eunice; Bli-Tu-Dr, N	1327
3002506618	Apache	WBDU 077	O	J-16	6250	Eunice; Bli-Tu-Dr, N	1327
3002538378	Apache	State Land 15 016	O	O-16	4135	Penrose Skelly; Grayburg	1402
3002506606	Apache	Argo 010	W	L-15	8015	Hare; SA (Gas)	1431
3002535765	Apache	State DA 008	O	J-16	4200	Penrose Skelly; Grayburg	1548

EXHIBIT G

ALL WELLS IN WBDU 78 AREA OF REVIEW

API	WHO	WELL	STATUS	UNIT-SECTION T21S, R37E	TVD	ZONE	FEET FROM WBDU 78
3002539605	Apache	State Land 15 018	O	O-16	4404	Penrose Skelly; Grayburg	1651
3002537496	Apache	State Land 15 012	G	P-16	4415	Penrose Skelly; Grayburg	1663
3002506634	Apache	WBDU 090	O	P-16	8261	Eunice; Bli-Tu-Dr, N	1684
3002509915	Apache	Argo 007	S	L-15	8193	Penrose Skelly; Grayburg	1690
3002539300	Apache	WBDU 115	O	P-16	7225	Eunice; Bli-Tu-Dr, N	1702
3002506632	Apache	WBDU 088	O	O-16	6660	Eunice; Bli-Tu-Dr, N	1869
3002509914	Apache	NEDU 602	O	E-15	6669	Eunice; Bli-Tu-Dr, N	1870
3002509911	Apache	NEDU 702	O	M-15	6646	Eunice; Bli-Tu-Dr, N	1873
3002506620	Chevron	Harry Leonard NCT E 001	O	G-16	6670	Penrose Skelly; Grayburg	1875
3002520311	Apache	WBDU 091	O	O-16	7300	Eunice; Bli-Tu-Dr, N	1925
3002534888	Apache	NEDU 713	O	L-15	6790	Eunice; Bli-Tu-Dr, N	1925
3002506591	Apache	NEDU 604	O	E-15	8193	Eunice; Bli-Tu-Dr, N	1930
3002509913	Shell	NEDU 603	O	E-15	8182	Penrose Skelly; Grayburg	1980
3002506608	Apache	Argo 012	O	M-15	8035	Penrose Skelly; Grayburg	1995
3002536741	Chevron	Harry Leonard NCT E 007	O	H-16	4345	Penrose Skelly; Grayburg	2014
3002539557	Apache	Argo 013	O	M-15	4409	Penrose Skelly; Grayburg	2028
3002539277	Apache	WBDU 113	O	A-16	6912	Penrose Skelly; Grayburg	2037
3002538415	Apache	WBDU 084	O	K-16	6835	Eunice; Bli-Tu-Dr, N	2075
3002535271	Apache	NEDU 625	O	E-15	6840	Eunice; Bli-Tu-Dr, N	2096
3002538230	Apache	WBDU 081	O	K-16	6793	Eunice; Bli-Tu-Dr, N	2097

EXHIBIT G

ALL WELLS IN WBDU 78 AREA OF REVIEW

API	WHO	WELL	STATUS	UNIT-SECTION T21S, R37E	TVD	ZONE	FEET FROM WBDU 78
3002541548	Apache	WBDU 168	I	G-16	6982	Eunice; Bli-Tu-Dr, N	2140
3002539119	Apache	WBDU 098	O	B-16	6880	Penrose Skelly; Grayburg	2151
3002537223	Apache	NEDU 628	O	E-15	7106	Eunice; Bli-Tu-Dr, N	2158
3002533547	Key	State 001	M	E-15	2200	BSW; Salado	2197
3002537482	Apache	State Land 15 013	G	O-16	4392	Penrose Skelly; Grayburg	2245
3002536806	Apache	NEDU 720	O	D-22	6850	Eunice; Bli-Tu-Dr, N	2281
3002506607	Apache	Argo 011	O	K-15	7891	Penrose Skelly; Grayburg	2323
3002506605	Apache	NEDU 723	O	M-15	8179	Eunice; Bli-Tu-Dr, N	2341
3002535516	Apache	State DA 007	O	K-16	4200	Penrose Skelly; Grayburg	2392
3002539686	Apache	Argo A 014	O	D-22	4400	Penrose Skelly; Grayburg	2517
3002537536	Apache	WBDU 093	O	O-16	7102	Eunice; Bli-Tu-Dr, N	2559
3002536725	Apache	State C Tract 12 019	O	F-16	4350	Penrose Skelly; Grayburg	2593
3002506616	Apache	WBDU 076	I	K-16	6654	Eunice; Bli-Tu-Dr, N	2625
3002506716	Apache	WBDU 095	O	A-21	6630	Eunice; Bli-Tu-Dr, N	2640

DRINKARD PENETRATORS IN WBDU 60 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
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 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 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 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	CBL
D-16-21S-37E										
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 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 059	6/23/83	7502	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	316	325 sx	GL	Circ
30-025-06626					12.25	9.625	2900	1500 sx	1325	Temp Survey
F-16-21S-37E					8.75	7	6656	700 sx	2800	Temp Survey

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 60 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
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 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 188	Plan	7200	Eunice; Bli-Tu-Dr, N	O	N/A	N/A	N/A	N/A	N/A	N/A
30-025-42569										
N-9-21S-37E										
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										
State C Tract 12 Com 1Y	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
Hawk Fed B 1 006	6/26/48	7530	Eunice Mon; Grayburg S-A	O	17.5	13.375	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	No report
					No report	5	7528	115 sx	6406	TOL
Harry Leonard NCT E 001	10/4/05	6670	Penrose Skelly; Grayburg	O	17.25	13.325	294	300 sx	GL	Circ
30-025-06620					12.25	9.625	2950	1300 sx	1345	Temp Survey
G-16-21S-37E					8.75	7	6610	700 sx	1360	Temp Survey

DRINKARD PENETRATORS IN WBDU 60 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 058	7/5/72	6660	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	326	300 sx	GL	Circ
30-025-06625					12	9.625	2902	1500 sx	1560	Temp Survey
E-16-21S-37E					8.75	7	6660	270 sx	1900	Temp Survey
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 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 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 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	GL	Circ
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 081	2/28/07	6793	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1255	600 sx	GL	Circ
30-025-38230					7.875	5.5	6793	1200 sx	GL	CBL
K-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 60 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 071	3/17/07	6905	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1300	575 sx	GL	Circ
30-025-38206					7.875	5.5	6905	1150 sx	240	CBL
A-17-21S-37E										
WBDU 080	1/19/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1227	575 sx	GL	Circ
30-025-38220					7.875	5.5	6875	1425 sx	225	CBL
L-16-21S-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										
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 130	Plan	7200	Plan: Eunice; Bli-Tu-Dr, N	O	N/A	N/A	N/A	N/A	N/A	N/A
30-025-42495										
A-17-21S-37E										
WBDU 076	5/14/47	6654	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	214	200 sx	GL	Circ
30-025-06616					11	8.625	2815	1250 sx	1325	Temp Survey
K-16-21S-37E					7.875	5.5	6654	500 sx	2850	Temp Survey
WBDU 057	7/16/63	6699	Eunice; Bli-Tu-Dr, N	I	17.25	13.375	297	300 sx	GL	Circ
30-025-06623					12.25	9.625	2800	1300 sx	540	Temp Survey
A-16-21S-37E					8.75	7	6645	700 sx	2550	Temp Survey

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 60 AREA OF REVIEW

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
30-025-06639					12.5	9.625	2819	900 sx	675	CAL
A-17-21S-37E					8.75	7	6767	650 sx	3325	CAL

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 083	6/23/07	6850	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1273	575 sx	GL	Circ
30-025-38414					7.875	5.5	6850	1300 sx	186	CBL
L-16-21S-37E										
WBDU 081	2/28/07	6793	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1255	600 sx	GL	Circ
30-025-38230					7.875	5.5	6793	1200 sx	GL	CBL
K-16-21S-37E										
WBDU 084	7/3/07	6835	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1265	650 sx	GL	Circ
30-025-38415					7.875	5.5	6835	1400 sx	890	CBL
K-16-21S-37E										
WBDU 080	1/19/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1227	575 sx	GL	Circ
30-025-38220					7.875	5.5	6875	1425 sx	225	CBL
L-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 154	11/6/14	6952	Eunice; Bli-Tu-Dr, N	I	11	8.625	1276	575 sx	GL	Circ 182 sx
30-025-41549					7.875	5.5	6955	1060 sx	GL	Circ 250 sx
N-16-21S-37E										
WBDU 077	7/4/47	6630	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	213	200 sx	GL	Circ
30-025-06618					11	8.625	2607	1550 sx	580	Temp Survey
J-16-21S-37E					7.375	5.5	6630	500 sx	2845	Temp Survey
State Land 15 002	3/17/47	6700	Penrose Skelly; Grayburg	O	17	13.375	334	300 sx	No report	No report
30-025-06631					11	8.625	2864	1600 sx	No report	No report
N-16-21S-37E					7.75	5.5	6699	500 sx	4670	Calc
WBDU 059	6/23/83	7502	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	316	325 sx	GL	Circ
30-025-06626					12.25	9.625	2900	1500 sx	1325	Temp Survey
F-16-21S-37E					8.75	7	6656	700 sx	2800	Temp Survey

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 075	3/24/47	6650	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	216	200 sx	GL	Circ
30-025-06615					11	8.625	2812	1200 sx	1300	Temp Survey
L-16-21S-37E					7.375	5.5	6686	400 sx	3525	Temp Survey
WBDU 152	10/25/14	6955	Eunice; Bli-Tu-Dr, N	I	11	8.625	1247	575 sx	GL	Circ 166 sx
30-025-41543					7.875	5.5	6955	1380 sx	GL	Circ 193 sx
M-16-21S-37E										
WBDU 079	6/24/05	7310	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1289	600 sx	GL	Circ 92 sx
30-025-37201					7.875	5.5	7310	1600 sx	270	CBL
J-16-21S-37E										
WBDU 094	5/25/06	7290	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1207	500 sx	GL	Circ 29 sx
30-025-37537					7.875	5.5	7290	1050 sx	280	CBL
N-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
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										
WBDU 093	12/14/05	7102	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1225	550 sx	GL	Circ 129 sx
30-025-37536					7.875	5.5	7102	1250 sx	1940	CBL
O-16-21S-37E										
Harry Leonard NCT E 001	10/4/05	6670	Penrose Skelly; Grayburg	O	17.25	13.375	294	300 sx	GL	Circ
30-025-06620					12.25	9.625	2950	1300 sx	1345	Temp Survey
G-16-21S-37E					8.75	7	6610	700 sx	1360	Temp Survey
WBDU 088	5/13/47	6660	Eunice; Bli-Tu-Dr, N	O	17	13.375	215	250 sx	No report	No report
30-025-06632					11	8.625	2866	1600 sx	No report	No report
O-16-21S-37E					7.75	5.5	6659	500 sx	4425	No report

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
State Land 15 001	1/17/47	6700	Penrose Skelly; Grayburg	O	17	13.375	334	300 sx	No report	No report
30-025-06630					12	9.625	2849	2100 sx	No report	No report
M-16-21S-37E					8.75	7	6699	500 sx	4850	Temp Survey
WBDU 058	7/5/72	6660	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	326	300 sx	GL	Circ
30-025-06625					12	9.625	2902	1500 sx	1560	Temp Survey
E-16-21S-37E					8.75	7	6660	270 sx	1900	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 082	4/8/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1285	650 sx	GL	Circ
30-025-38231					7.875	5.5	6875	1250 sx	320	CBL
J-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
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 069	2/22/07	6829	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1303	600 sx	GL	Circ
30-025-38204					7.875	5.5	6875	1075 sx	440	CBL
I-17-21S-37E										
WBDU 126	1/11/11	6920	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1283	665 sx	GL	Circ 222 sx
30-025-39958					7.875	5.5	6920	1340 sx	GL	Circ 130 sx
P-17-21S-37E										
WBDU 092	12/1/05	7284	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1197	575 sx	GL	Circ 171 sx
30-025-37535					7.875	5.5	7284	1150 sx	650	CBL
O-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 091	9/19/63	7300	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	252	300 sx	GL	Circ 25 sx
30-025-20311					11	8.625	2990	660 sx	GL	Circ 100 sx
O-16-21S-37E					7.875	5.5	7298	895 sx	1120	Temp Survey
WBDU 221	Plan	7200	Eunice; Bli-Tu-Dr, N	O	N/A	N/A	N/A	N/A	N/A	N/A
30-025-42496										
I-17-21S-37E										
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 078	8/12/47	6644	Eunice; Bli-Tu-Dr, N	I	17.25	13.375	213	200 sx	GL	Circ
30-025-06619					11	8.625	2807	1550 sx	1350	Temp Survey
I-16-21S-37E					7.375	5.5	6644	500 sx	3165	No Report

DRINKARD PENETRATORS IN WBDU 76 AREA OF REVIEW

WELL	SPUD	TD	ZONE	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
Weatherly 003	9/3/47	6624	Eunice; Bli-Tu-Dr, N	O	17	12.75	225	175 sx	No report	No report
30-025-06721					11	8.625	2850	1200 sx	No report	No report
C-21-21S-37E					7.75	5.5	6623	500 sx	No report	No report

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
State DA 005	8/8/96	8225	Penrose Skelly; Grayburg	O	17.5	13.375	258	200 sx	GL	Circ
30-025-06617					11	8.625	2820	1500 sx	565	Temp Survey
I-16-21S-37E					7.875	5.5	8225	500 sx	3448	Temp Survey
WBDU 164	Plan	7000	Eunice; Bli-Tu-Dr, N	O	N/A	N/A	N/A	N/A	N/A	N/A
30-025-42537										
H-16-21S-37E										
WBDU 114	12/19/10	6970	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1297	665 sx	GL	Circ 171 sx
30-025-39963					7.875	5.5	6952	1195 sx	800	CBL
P-16-21S-37E										
WBDU 082	4/8/07	6875	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1285	650 sx	GL	Circ
30-025-38231					7.875	5.5	6875	1250 sx	320	CBL
J-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
Harry Leonard NCT E 005	6/22/52	8220	Penrose Skelly; Grayburg	O	17.25	12.75	268	325 sx	GL	Circ
30-025-06624					11	8.625	2799	1100 sx	2290	Temp Survey
H-16-21S-37E					7.875	5.5	7999	131 sx	7540	Temp Survey
WBDU 079	6/24/05	7310	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1289	600 sx	GL	Circ 92 sx
30-025-37201					7.875	5.5	7310	1600 sx	270	CBL
J-16-21S-37E										
NEDU 629	6/25/05	6900	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1200	575 sx	GL	Circ
30-025-37238					7.875	5.5	6900	1300 sx	130	CBL
L-15-21S-37E										
NEDU 721	9/16/05	6850	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1275	575 sx	GL	Circ 119 sx
30-025-37243					7.875	5.5	6850	1300 sx	408	CBL
M-15-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 092	12/1/05	7284	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1197	575 sx	GL	Circ 171 sx
30-025-37535					7.875	5.5	7284	1150 sx	650	CBL
O-16-21S-37E										
WBDU 089	11/24/47	6665	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	219	250 sx	No report	No report
30-025-06633					11	8.625	2864	1700 sx	No report	No report
P-16-21S-37E					7.875	5.5	6664	400 sx	1262	No report
WBDU 056	11/24/47	6780	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	301	300 sx	GL	Circ
30-025-06621					12.25	9.625	2952	1300 sx	1370	No report
H-16-21S-37E					8.75	7	6547	700 sx	2715	Temp Survey
NEDU 701	10/10/47	6654	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	224	210 sx	GL	Circ 25 sx
30-025-09916					11	8.625	2875	800 sx	GL	No report
L-15-21S-37E					7.375	5.5	6652	600 sx	3250	Estimate

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 077	7/4/47	6630	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	213	200 sx	GL	Circ
30-025-06618					11	8.625	2607	1550 sx	580	Temp Survey
J-16-21S-37E					7.375	5.5	6630	500 sx	2845	Temp Survey
Argo 010	7/19/51	8015	WSW; San Andres	W	17.25	13.375	241	250 sx	GL	Circ 50 sx
30-025-06606					11	8.625	2907	1700 sx	GL	Circ 287 sx
L-15-21S-37E					7.875	5.5	8012	875 sx	2660	TOL
WBDU 090	4/12/52	8261	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	258	250 sx	GL	Circ
30-025-06634					8.625	8.375	2861	1500 sx	GL	Circ
P-16-21S-37E					No report	5.5	8259	400 sx	3376	Temp Survey
Argo 007	4/13/51	8193	Penrose Skelly; Grayburg	S	17.25	13.375	223	250 sx	GL	Circ
30-025-09915					11	8.625	2907	1900 sx	GL	Circ
L-15-21S-37E					7.875	5.5	8016	779 sx	3280	CBL

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 115	5/8/10	7225	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1273	650 sx	GL	Circ
30-025-39300					7.875	5.5	7225	1300 sx	GL	Circ
P-16-21S-37E										
WBDU 088	5/13/47	6660	Eunice; Bli-Tu-Dr, N	O	17	13.375	215	250 sx	No report	No report
30-025-06632					11	8.625	2866	1600 sx	No report	No report
O-16-21S-37E					7.75	5.5	6659	500 sx	4425	No report
NEDU 602	4/11/48	6669	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	297	300 sx	No report	No report
30-025-09914					11.25	8.625	2799	800 sx	No report	No report
E-15-21S-37E					7.875	5.5	6625	350 sx	4250	Temp Survey
NEDU 702	8/8/47	6646	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	316	250 sx	GL	Circ
30-025-09911					11	8.625	2839	800 sx	GL	Circ
M-15-21S-37E					7.875	5.5	6529	500 sx	3650	Est

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
Harry Leonard NCT E 001	10/4/05	6670	Penrose Skelly; Grayburg	O	17.25	13.325	294	300 sx	GL	Circ
30-025-06620					12.25	9.625	2950	1300 sx	1345	Temp Survey
G-16-21S-37E					8.75	7	6610	700 sx	1360	Temp Survey
WBDU 091	9/19/63	7300	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	252	300 sx	GL	Circ 25 sx
30-025-20311					11	8.625	2990	660 sx	GL	Circ 100 sx
O-16-21S-37E					7.875	5.5	7298	895 sx	1120	Temp Survey
NEDU 713	9/25/00	6790	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1245	460 sx	GL	Circ 121 sx
30-025-34888					7.875	5.5	6790	1525 sx	GL	Circ 156 sx
L-15-21S-37E										
NEDU 604	8/28/51	8193	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	336	350 sx	GL	Circ
30-025-06591					11.25	8.625	2835	500 sx	No report	No report
E-15-21S-37E					7.875	5.5	8042	400 sx	4650	CBL

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
NEDU 603	2/18/51	8182	Penrose Skelly; Grayburg	P & A	17.25	13.375	312	325 sx	GL	Circ
30-025-09913					11.25	8.625	2818	500 sx	GL	Circ
E-15-21S-37E					7.875	5.5	8030	400 sx	5700	CBL
Argo 012	8/5/86	8035	Penrose Skelly; Grayburg	O	17.5	13.375	227	250 sx	GL	Circ 60 sx
30-025-06608					11	8.625	2882	1900 sx	GL	Circ 300 sx
M-15-21S-37E					7.875	5.5	2662-8033	900 sx	3480	CBL
WBDU 113	9/15/09	6912	Penrose Skelly; Grayburg	O	12.25	8.625	1342	650 sx	GL	Circ
30-025-39277					7.875	5.5	6912	1000 sx	GL	Circ
A-16-21S-37E										
WBDU 084	7/3/07	6835	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1265	650 sx	GL	Circ
30-025-38415					7.875	5.5	6835	1400 sx	890	CBL
K-16-21S-37E										

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
NEDU 625	6/5/01	6840	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1219	460 sx	GL	Circ 81 sx
30-025-35271					7.875	5.5	6840	1450 sx	GL	Circ 117 sx
E-15-21S-37E										
WBDU 081	2/28/07	6793	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1255	600 sx	GL	Circ
30-025-38230					7.875	5.5	6793	1200 sx	GL	CBL
K-16-21S-37E										
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										
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	GL	Circ
B-16-21S-37E										

EXHIBIT H

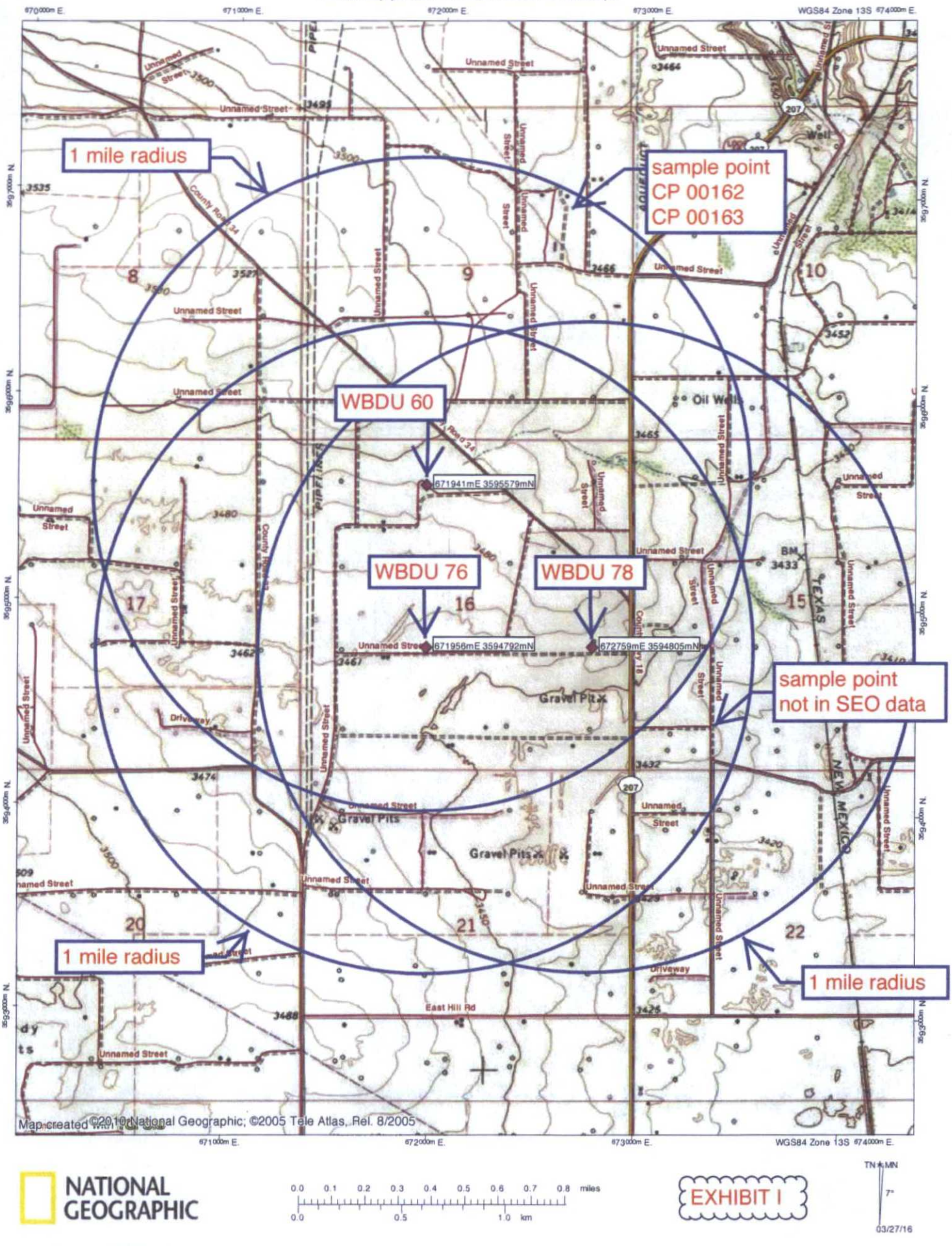
DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
NEDU 628	12/30/05	7106	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1198	575 sx	GL	Circ 160 sx
30-025-37223					7.875	5.5	6889	1800 sx	1202	CBL
E-15-21S-37E										
NEDU 720	10/16/04	6850	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1195	600 sx	GL	Circ 130 sx
30-025-36806					7.875	5.5	6850	1150 sx	460	Circ 46 sx
D-22-21S-37E										
Argo 011	7/14/51	7891	Penrose Skelly; Grayburg	O	17.5	13.375	228	250 sx	GL	Circ
30-025-06607					11	8.625	2902	1950 sx	GL	Circ
K-15-21S-37E					7.875	5.5	2680-7890	800 sx	3025	CBL
NEDU 723	<Null>	8179	Eunice; Bli-Tu-Dr, N	O	17.25	13.375	225	250 sx	GL	Circ
30-025-06605					11	8.625	2917	1700 sx	GL	Circ
M-15-21S-37E					7.875	5.5	8000	925 sx	2701	CBL

EXHIBIT H

DRINKARD PENETRATORS IN WBDU 78 AREA OF REVIEW

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW DETERMINED
WBDU 093	12/14/05	7102	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1225	550 sx	GL	Circ 129 sx
30-025-37536					7.875	5.5	7102	1250 sx	1940	CBL
O-16-21S-37E										
WBDU 076	5/14/47	6654	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	214	200 sx	GL	Circ
30-025-06616					11	8.625	2815	1200 sx	1325	Temp Survey
K-16-21S-37E					7.875	5.5	6654	500 sx	2850	Temp Survey
WBDU 095	8/9/47	6630	Eunice; Bli-Tu-Dr, N	O	No report	13.375	318	300 sx	GL	Circ
30-025-06716					No report	9.625	2848	1000 sx	No report	No report
					No report	7	6525	500 sx	No report	No report


TOPO! map printed on 03/27/16 from "Untitled.tpo"
1 mile radius
sample point
CP 00162
CP 00163
WBDU 60
671941mE 3595579mN
WBDU 76
WBDU 78
671956mE 3594792mN
672759mE 3594805mN
sample point
not in SEO data
1 mile radius
1 mile radius
Map created with TOPO!
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NATIONAL GEOGRAPHIC
EXHIBIT I
03/27/16

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)

distance in meters from WBDU 60

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twp	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00554		LE		2	2	16	21S	37E	672744	3595610*	803	80	70	10
CP 00162		LE	1	4	2	09	21S	37E	672621	3596915*	1499	120		
CP 00163		LE	1	4	2	09	21S	37E	672621	3596915*	1499	120		
CP 00164		LE	2	1	1	21	21S	37E	671665	3594080*	1524	120		
CP 01141 POD2		LE	3	4	3	15	21S	37E	673541	3594250	2079	40		
CP 01141 POD3		LE	3	4	3	15	21S	37E	673541	3594250	2079	40		
CP 01141 POD4		LE	3	4	3	15	21S	37E	673541	3594250	2079	45		
CP 01575 POD1	CP	LE	1	2	1	22	21S	37E	673543	3594200	2113	40	35	5
CP 01575 POD2	CP	LE	2	2	1	22	21S	37E	673610	3594192	2169	35	35	0
CP 01026 POD1		LE	1	1	3	17	21S	37E	669809	3594958	2220	167	95	72
CP 00447		LE	2	4	4	18	21S	37E	669647	3594451*	2556	95		
CP 00552		LE		2	4	04	21S	37E	672700	3598022*	2558	90	75	15
CP 00553		LE		2	4	04	21S	37E	672700	3598022*	2558	90	75	15
CP 00895		LE		1	1	20	21S	37E	669957	3593956*	2563	163		
CP 00676		LE		4	4	18	21S	37E	669548	3594352*	2689	140	106	34
CP 01574 POD1	CP	LE	2	4	4	15	21S	37E	674563	3594599	2798	68	57	11
CP 01185 POD1		LE		1	3	14	21S	37E	674598	3594689	2802	70		
CP 01185 POD3		LE		1	3	14	21S	37E	674592	3594620	2819	70		
CP 01185 POD2		LE		1	3	14	21S	37E	674623	3594674	2830	70		
CP 01185 POD4		LE		1	3	14	21S	37E	674633	3594610	2860	70		
CP 01574 POD2	CP	LE	1	3	3	14	21S	37E	674654	3594594	2886	68	57	11
CP 00985 POD1		LE	4	4	2	19	21S	37E	669595	3593453	3165	160		

1 mile = 1610 meters

EXHIBIT I

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

Average Depth to Water: **67 feet**

Minimum Depth: **35 feet**

Maximum Depth: **106 feet**

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 671941 **Northing (Y):** 3595579 **Radius:** 3220

EXHIBIT I

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)

distance in meters from WBDU 76

1 mile = 1610 meters

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00164		LE	2	1	1	21	21S	37E	671665	3594080*	769	120		
CP 00554		LE		2	2	16	21S	37E	672744	3595610*	1135	80	70	10
CP 01141 POD2		LE	3	4	3	15	21S	37E	673541	3594250	1674	40		
CP 01141 POD3		LE	3	4	3	15	21S	37E	673541	3594250	1674	40		
CP 01141 POD4		LE	3	4	3	15	21S	37E	673541	3594250	1674	45		
CP 01575 POD1	CP	LE	1	2	1	22	21S	37E	673543	3594200	1693	40	35	5
CP 01575 POD2	CP	LE	2	2	1	22	21S	37E	673610	3594192	1759	35	35	0
CP 01026 POD1		LE	1	1	3	17	21S	37E	669809	3594958	2153	167	95	72
CP 00895		LE		1	1	20	21S	37E	669957	3593956*	2166	163		
CP 00162		LE	1	4	2	09	21S	37E	672621	3596915*	2224	120		
CP 00163		LE	1	4	2	09	21S	37E	672621	3596915*	2224	120		
CP 00447		LE	2	4	4	18	21S	37E	669647	3594451*	2334	95		
CP 00676		LE		4	4	18	21S	37E	669548	3594352*	2447	140	106	34
CP 01574 POD1	CP	LE	2	4	4	15	21S	37E	674563	3594599	2613	68	57	11
CP 01185 POD3		LE		1	3	14	21S	37E	674592	3594620	2641	70		
CP 01185 POD1		LE		1	3	14	21S	37E	674598	3594689	2644	70		
CP 01185 POD2		LE		1	3	14	21S	37E	674623	3594674	2669	70		
CP 00711		LE	4	2	2	28	21S	37E	672900	3592291*	2673	100	65	35
CP 01185 POD4		LE		1	3	14	21S	37E	674633	3594610	2683	70		
CP 01574 POD2	CP	LE	1	3	3	14	21S	37E	674654	3594594	2705	68	57	11
CP 00985 POD1		LE	4	4	2	19	21S	37E	669595	3593453	2713	160		
CC 01999 POD1		CU	3	3	2	29	03N	36E	670385	3592502	2776	415	372	43
CP 00251		LE	2	3	4	22	21S	37E	674099	3592915*	2848	103		
CP 00346		LE	1	3	1	27	21S	37E	673110	3592096*	2932	90		
CP 00242		LE	3	4	2	28	21S	37E	672708	3591889*	2998	112		
CP 00252		LE	4	2	4	22	21S	37E	674493	3593125*	3035	106		

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

EXHIBIT I

(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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00736		LE		3	1	27	21S	37E	673211	3591997*	3063	120	76	44
CP 00017		LE	2	1	2	27	21S	37E	674106	3592513*	3133	101		
CP 00881		LE		4	4	22	21S	37E	674402	3592824*	3139	95	53	42
CP 00293		LE	2	4	1	27	21S	37E	673711	3592104*	3210	80		

Average Depth to Water: **92 feet**

Minimum Depth: **35 feet**

Maximum Depth: **372 feet**

Record Count: 30

UTMNAD83 Radius Search (in meters):

Easting (X): 671956 **Northing (Y):** 3594792 **Radius:** 3220

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

EXHIBIT I

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)

distance in meters from WBDU 78

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twp	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00554		LE		2	2	16	21S	37E	672744	3595610*	805	80	70	10
CP 01141 POD2		LE	3	4	3	15	21S	37E	673541	3594250	958	40		
CP 01141 POD3		LE	3	4	3	15	21S	37E	673541	3594250	958	40		
CP 01141 POD4		LE	3	4	3	15	21S	37E	673541	3594250	958	45		
CP 01575 POD1	CP	LE	1	2	1	22	21S	37E	673543	3594200	989	40	35	5
CP 01575 POD2	CP	LE	2	2	1	22	21S	37E	673610	3594192	1048	35	35	0
CP 00164		LE	2	1	1	21	21S	37E	671665	3594080*	1312	120		
1 mile = 1610 meters														
CP 01574 POD1	CP	LE	2	4	4	15	21S	37E	674563	3594599	1815	68	57	11
CP 01185 POD3		LE		1	3	14	21S	37E	674592	3594620	1842	70		
CP 01185 POD1		LE		1	3	14	21S	37E	674598	3594689	1843	70		
CP 01185 POD2		LE		1	3	14	21S	37E	674623	3594674	1868	70		
CP 01185 POD4		LE		1	3	14	21S	37E	674633	3594610	1883	70		
CP 01574 POD2	CP	LE	1	3	3	14	21S	37E	674654	3594594	1906	68	57	11
CP 00162		LE	1	4	2	09	21S	37E	672621	3596915*	2114	120		
CP 00163		LE	1	4	2	09	21S	37E	672621	3596915*	2114	120		
CP 00251		LE	2	3	4	22	21S	37E	674099	3592915*	2316	103		
CP 00252		LE	4	2	4	22	21S	37E	674493	3593125*	2414	106		
CP 00711		LE	4	2	2	28	21S	37E	672900	3592291*	2517	100	65	35
CP 00881		LE		4	4	22	21S	37E	674402	3592824*	2573	95	53	42
CP 00235		LE	2	2	1	23	21S	37E	675283	3594144*	2609	81		
CP 00017		LE	2	1	2	27	21S	37E	674106	3592513*	2658	101		
CP 00240		LE	4	2	1	23	21S	37E	675283	3593944*	2666	72		
CP 00241		LE	4	2	1	23	21S	37E	675283	3593944*	2666	76		
CP 00212		LE	2	2	1	14	21S	37E	675254	3595753*	2669	46		
CP 00346		LE	1	3	1	27	21S	37E	673110	3592096*	2731	90		
CP 00239		LE	1	1	2	23	21S	37E	675485	3594152*	2803	89		

*UTM location was derived from PLSS - see Help

EXHIBIT I

(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-basin	County	Q 64	Q 16	Q 4	Sec	Twp	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00736		LE		3	1	27	21S	37E	673211	3591997*	2844	120	76	44
CP 00236		LE	3	1	2	23	21S	37E	675485	3593952*	2856	83		
CP 00293		LE	2	4	1	27	21S	37E	673711	3592104*	2863	80		
CP 00242		LE	3	4	2	28	21S	37E	672708	3591889*	2916	112		
CP 00895		LE		1	1	20	21S	37E	669957	3593956*	2927	163		
CP 00014		LE	1	3	2	23	21S	37E	675492	3593749*	2929	84		
CP 01026 POD1		LE	1	1	3	17	21S	37E	669809	3594958	2953	167	95	72
CP 00224		LE	4	3	3	23	21S	37E	674902	3592730*	2982	96		
CP 00238		LE	3	3	2	23	21S	37E	675492	3593549*	3007	81		
CP 00249		LE	2	3	2	27	21S	37E	674113	3592111*	3015	102		
CP 00250		LE	2	3	2	27	21S	37E	674113	3592111*	3015	101		
CP 00447		LE	2	4	4	18	21S	37E	669647	3594451*	3132	95		
CP 00700		LE			2	23	21S	37E	675794	3593851*	3181	75	65	10
CP 00562		LE	1	2	2	23	21S	37E	675887	3594159*	3194	136	65	71
CP 00735		LE		2	4	28	21S	37E	672816	3591588*	3217	105		
CP 00552		LE		2	4	04	21S	37E	672700	3598022*	3217	90	75	15
CP 00553		LE		2	4	04	21S	37E	672700	3598022*	3217	90	75	15

Average Depth to Water: **63 feet**

Minimum Depth: **35 feet**

Maximum Depth: **95 feet**

Record Count: 43

UTMNAD83 Radius Search (in meters):

Easting (X): 672759 **Northing (Y):** 3594805 **Radius:** 3220

EXHIBIT I

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

Analytical Report
Lab Order **1601901**
Date Reported: **2/2/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache WBDUSWD
Lab ID: 1601901-001 **Matrix:** AQUEOUS

Client Sample ID: Apache Decky Pond CP 00162
Collection Date: 1/20/2016 4:48:00 PM CP 00163
Received Date: 1/25/2016 11:19:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664A						Analyst: **tnc**	
N-Hexane Extractable Material	ND	13		mg/L	1	1/25/2016 1:30:00 PM	23379
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	260	10	*	mg/L	20	1/25/2016 5:03:44 PM	R31665
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	751	20.0	*	mg/L	1	1/28/2016 6:43:00 PM	23428

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

EXHIBIT J

Analytical Report
Lab Order **1601901**
Date Reported: **2/2/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Client Sample ID: Apache Section 15 not in SEO data
Project: Apache WBDUSWD
Collection Date: 1/21/2016 11:33:00 AM
Lab ID: 1601901-004 **Matrix:** AQUEOUS **Received Date:** 1/25/2016 11:19:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664A						Analyst: **tnc**	
N-Hexane Extractable Material	ND	9.9		mg/L	1	1/25/2016 1:30:00 PM	23379
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	620	25	*	mg/L	50	1/26/2016 7:36:31 PM	R31714
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1570	20.0	*	mg/L	1	1/28/2016 6:43:00 PM	23428

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

EXHIBIT J

Ogallala boundary

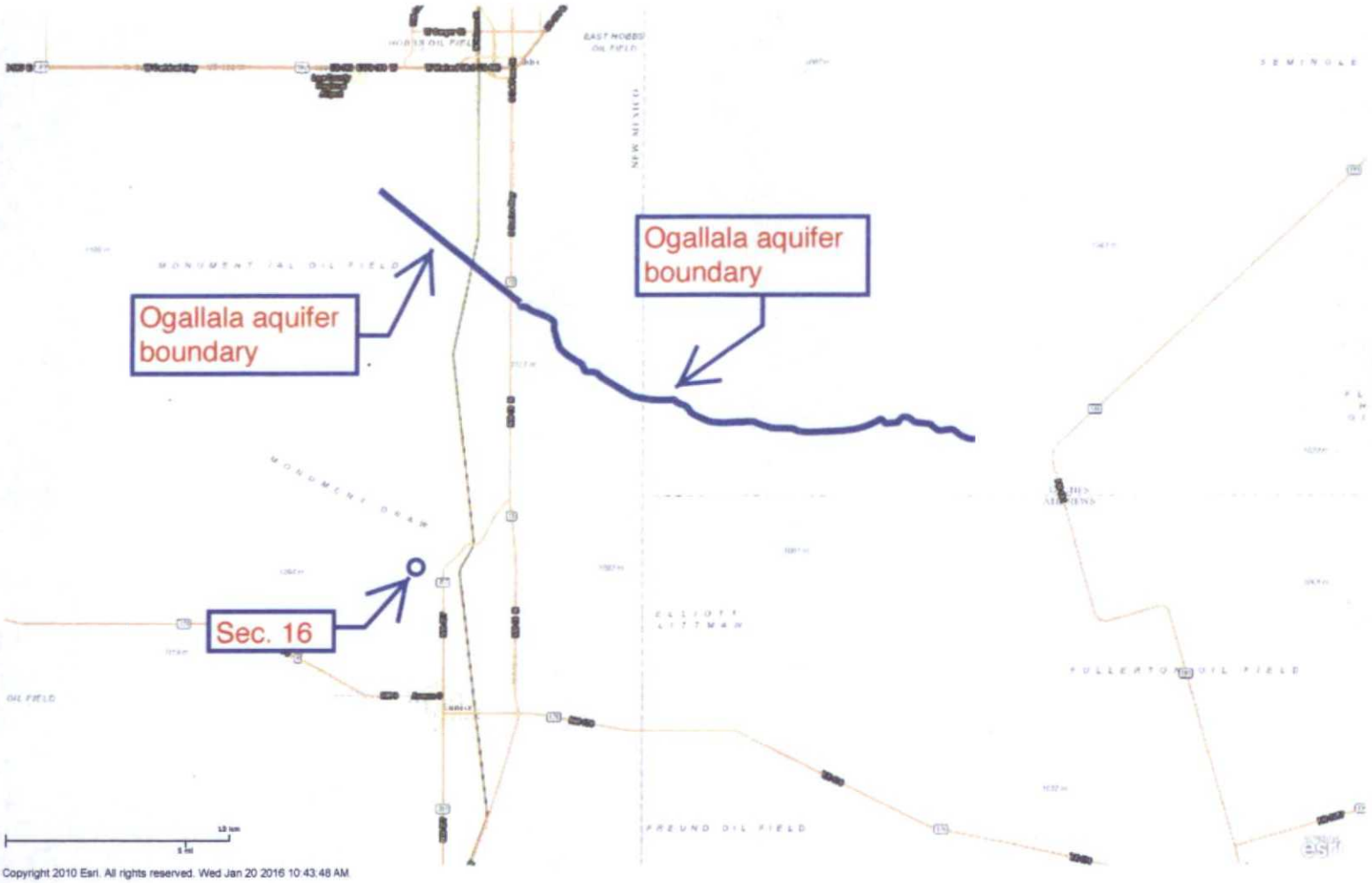

EXHIBIT J

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

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 K

USGS
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Geologic Hazards Science Center

EHP Quaternary Faults

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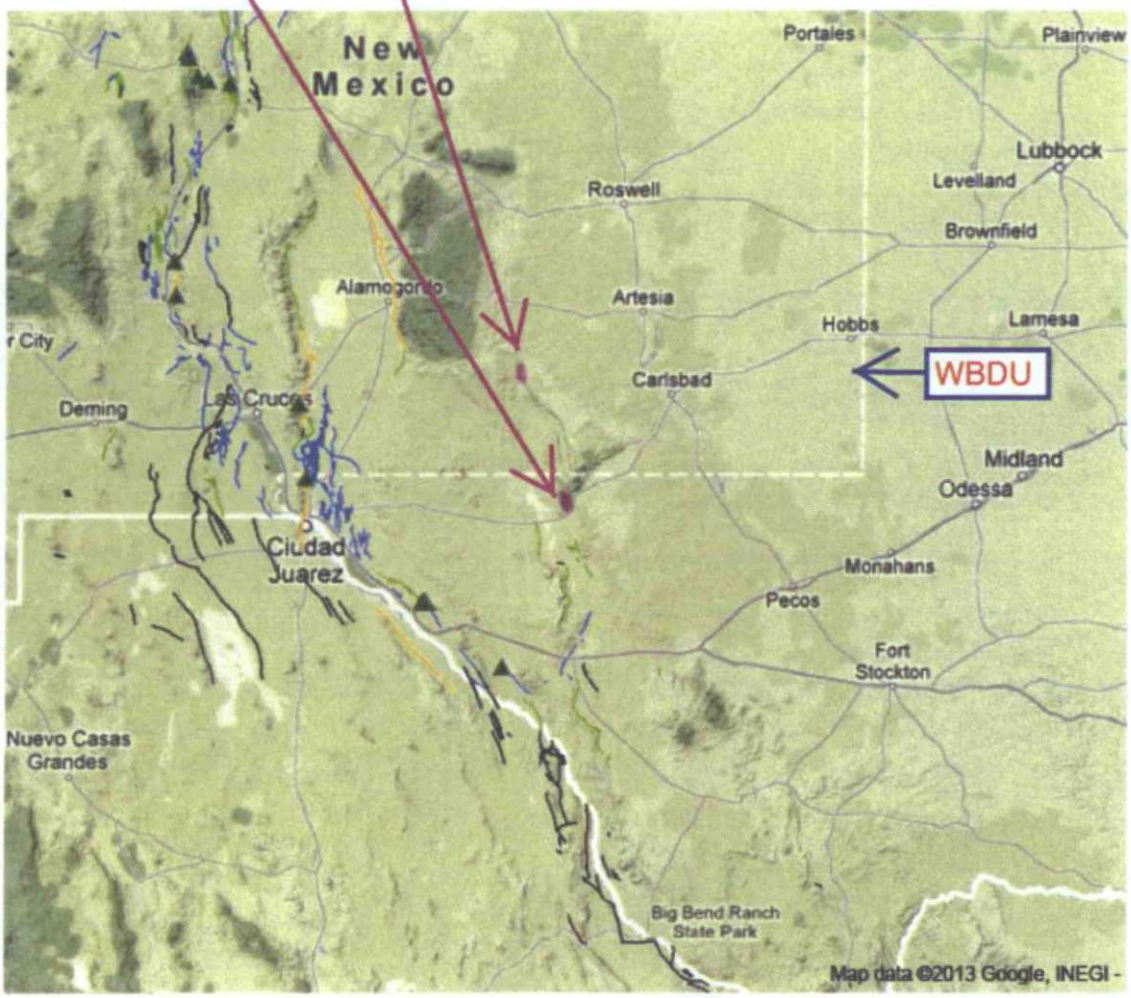

EXHIBIT K

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
June 09, 2016
and ending with the issue dated
June 09, 2016.

Publisher

Sworn and subscribed to before me this
9th day of June 2016.

Business Manager

My commission expires
January 29, 2019
(Seal)

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

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

LEGAL LEGAL

LEGAL NOTICE
June 9, 2016

Apache Corporation is applying to change the injection interval of 3 existing water injection wells in the West Blinebry Drinkard Unit in Section 16, T. 21 S., R. 37 E., Lea County, NM. Injection will be in the Drinkard zone. Maximum injection rate will be 3,000 bwpd per well. The wells are 2-3 miles NNW of Eunice, NM. Well details are:

WBDU Well	Location	Injection Interval
60	720 FNL & 1980 FWL	6465' – 6710'
76	1980 FSL & 1980 FWL	6460' – 6720'
78	1980 FSL & 660 FEL	6420' – 6680'

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.
#30984

02108485 00176141

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

EXHIBIT L

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

June 9, 2016

NM State Land Office
P. O. Box 1148
Santa Fe NM 87504

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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	16-21s-37e Lea County NM	Proposed Drinkard Injection Interval	Proposed TD
60	720 FNL & 1980 FWL	6465′ – 6710′	6765′
76	1980 FSL & 1980 FWL	6460′ – 6690′	6810′
78	1980 FSL & 660 FEL	6420′ – 6670′	6770′

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

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Apache WBDU 60, 76 78

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Chevron USA
P. O. Box 1635
Houston TX 77251

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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...e if you have any questions.

Sincerely,

...lood

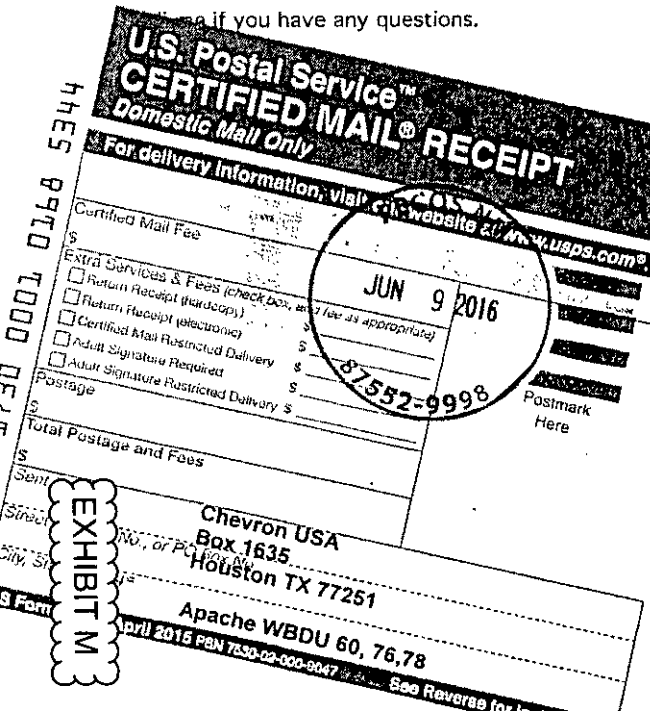

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

BLM
620 E. Greene
Carlsbad NM 88220

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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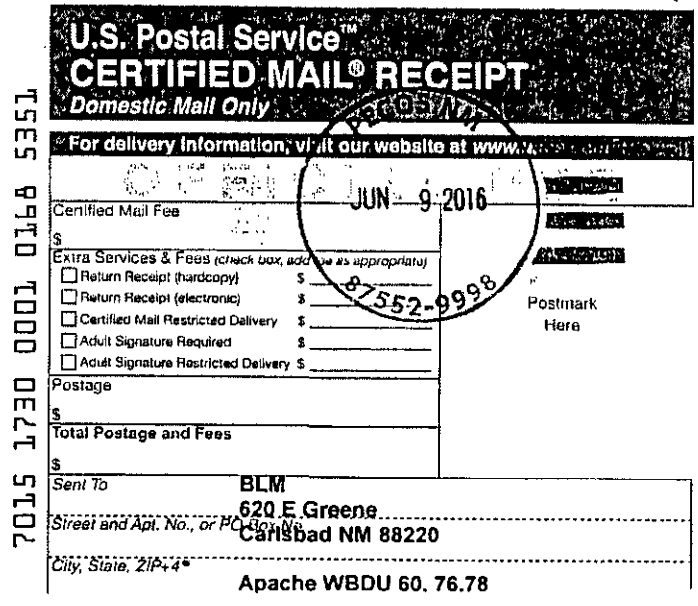
Please call me if you have any questions.

Sincerely,

...n Wood



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Elliott Hall Co. UT LP
P. O. Box 1231
Ogden UT 84402

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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Sincerely,

Brian Wood

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PO Box 1231
Ogden UT 84402
Apache WBDU 60, 76,78

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

ConocoPhillips
P. O. Box 7500
Bartlesville OK 74005

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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Sincerely,

Brian Wood

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Conoco Phillips
PO Box 7500
Bartlesville OK 74005
Apache WBDU 60, 76,78

7015 1730 0001 0168 5337

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

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

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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City, State, ZIP+4®: Santa FE NM 87504

Apache WBDU 60, 76,78

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Elliott Industries LP
P. O. Box 1328
Santa Fe NM 87504

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rian Wood

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Here

Sent To: John H. Hendrix Corp
Street and Apt. No., or PO Box No.: 110 N. Marienfeld, Suite 400
City, State, ZIP+4®: Midland TX 79701

Apache WBDU 60, 76,78

7015 1730 0001 0168 5306

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Occidental Permian Ltd.
P. O. Box 4294
Houston TX 77210

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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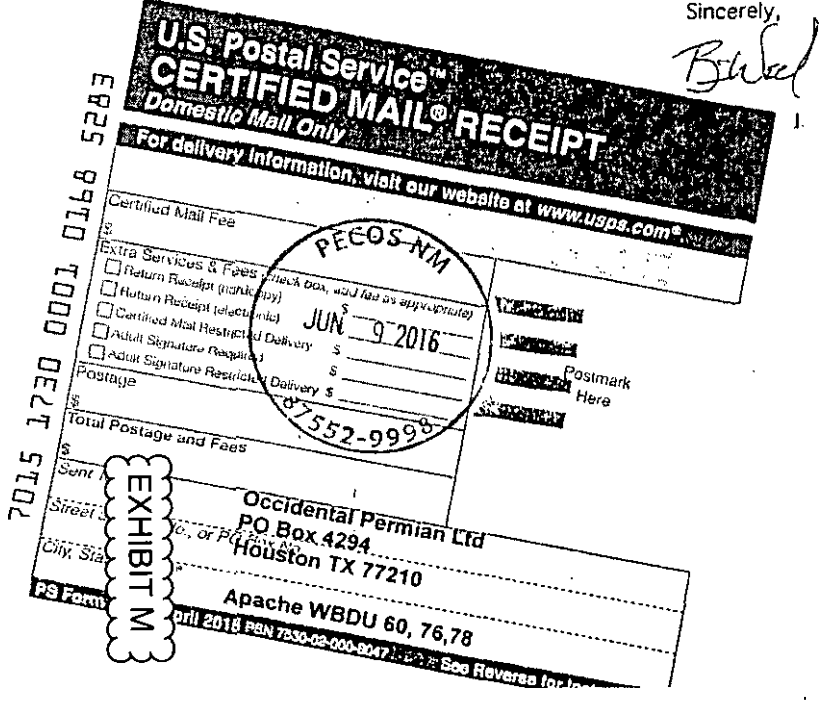
Please call me if you have any questions.

Sincerely,

B. Wood



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Key Energy Services
1301 McKinney St., Suite 1800
Houston TX 77010

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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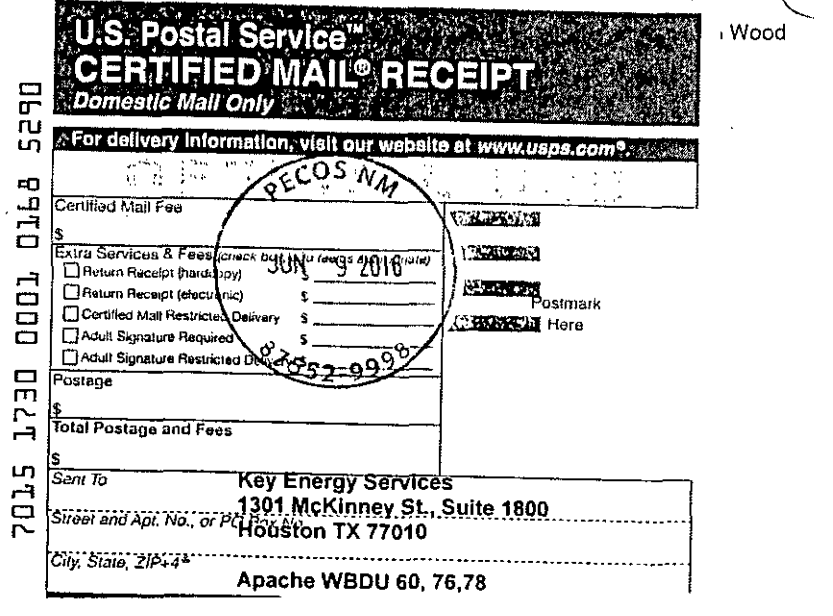

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Penroc Oil Corp.
P. O. Box 2769
Hobbs NM 88241

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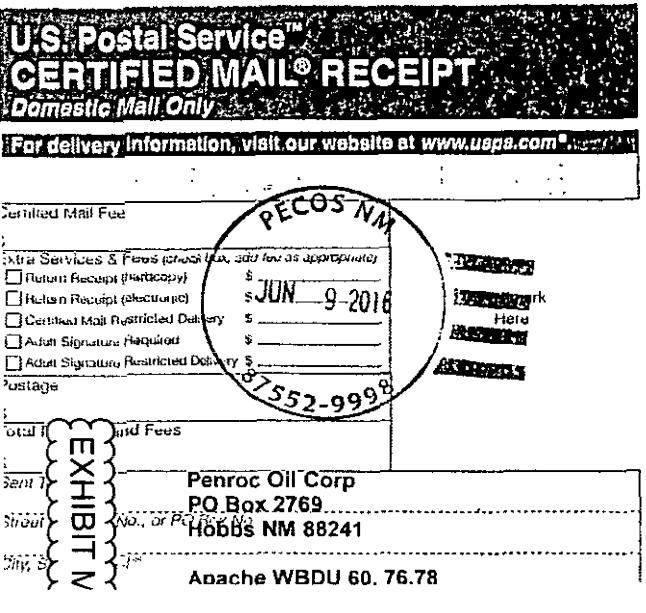
Brian Wood



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

June 9, 2016

Oxy USA WTP LP
6 Desta Dr., Suite 6000
Midland TX 79705

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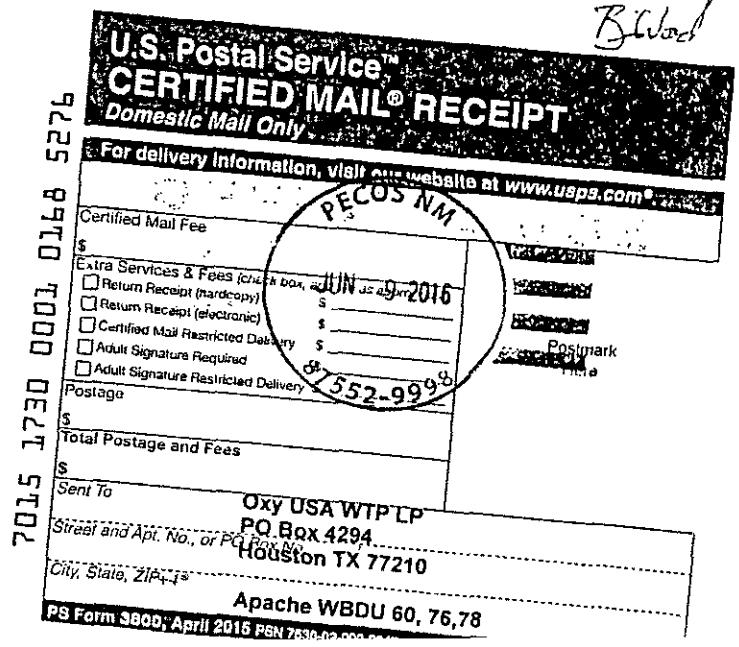
B Wood



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

June 9, 2016

Stephens & Johnson Op. Co.
P. O. Box 2249
Wichita Falls TX 76307

Apache Corporation is applying (see attached application) to deepen and change the water injection interval in 3 of its West Blinebry Drinkard Unit wells 2-3 miles NNW of Eunice, NM. 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.

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Brian Wood

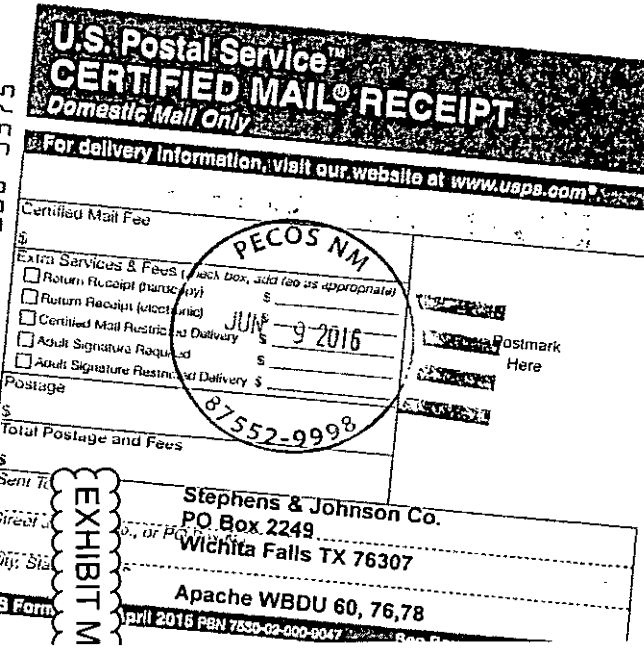

EXHIBIT M

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

June 9, 2016

Six Aeches Co.
P. O. Box 481
Midland TX 79702

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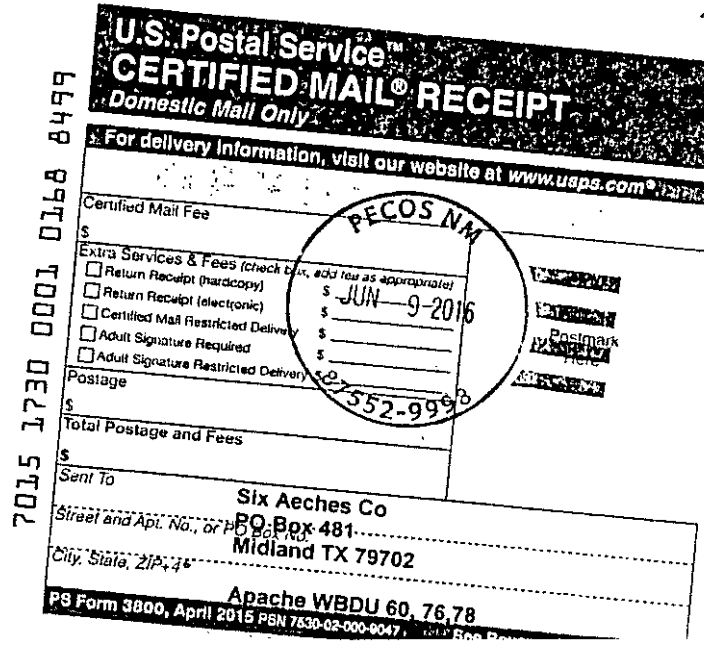

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00162			LE	1	4	2	09	21S	37E	672621	3596915*	120		
CP 00163			LE	1	4	2	09	21S	37E	672621	3596915*	120		
CP 00164			LE	2	1	1	21	21S	37E	671665	3594080*	120		
CP 00251			LE	2	3	4	22	21S	37E	674099	3592915*	103		
CP 00252			LE	4	2	4	22	21S	37E	674493	3593125*	106		
CP 00447			LE	2	4	4	18	21S	37E	669647	3594451*	95		
CP 00554			LE		2	2	16	21S	37E	672744	3595610*	80	70	10
CP 00676			LE		4	4	18	21S	37E	669548	3594352*	140	106	34
CP 00881			LE		4	4	22	21S	37E	674402	3592824*	95	53	42
CP 00895			LE		1	1	20	21S	37E	669957	3593956*	163		
CP 01026 POD1			LE	1	1	3	17	21S	37E	669809	3594958	167	95	72
CP 01245 POD1			LE	1	4	3	18	21S	37E	668677	3594410	220		
CP 01575 POD1	CP		LE	1	2	1	22	21S	37E	673543	3594200	40	35	5
CP 01575 POD2	CP		LE	2	2	1	22	21S	37E	673610	3594192	35	35	0

Average Depth to Water: **65 feet**

Minimum Depth: **35 feet**

Maximum Depth: **106 feet**

Record Count: 14

PLSS Search:

Section(s): 8-10, 16-18, 20-22 **Township:** 21S **Range:** 37E

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

Case 14125 and 14126
Order No. R-12981-A

Exhibit "A"
West Blinebry Drinkard Unit
Approved 27 Injection Wells (Existing Wells)

LEASE NAME	API	LOCATION	FOOTAGE	Injection Perfs Blindbry & Drinkard	Packer Depth
Harry Leonard NCT E #4	3002506623	Sec 16 21S 37E	660 FNL, 660 FEL	5793-5888 & 6565-6624	5700
Hawk A #2	3002506432	Sec 8 21S 37E	1980 FNL, 660 FEL	5785-6050 & 6553-6643	5700
Hawk A #3	3002506440	Sec 9 21S 37E	1980 FNL, 660 FWL	5787-6001 & 6684-6710(OH)	5750
Hawk A #5	3002521225	Sec 9 21S 37E	660 FNL, 660 FWL	5760-6019 & 6586-6781	5700
Hawk A #8	3002526967	Sec 8 21S 37E	990 FNL, 660 FEL	5673-5913 & 6573-6775	5600
Hawk B 1 #2	3002506438	Sec 9 21S 37E	1980 FSL, 1980 FEL	5844-5994 & 6561-6735(OH)	5750
Hawk B-1 #3	3002509909	Sec 9 21S 37E	660 FNL, 1980 FWL	5776-6065 & 6515-6676	5700
Hawk B-1 #4	3002509910	Sec 9 21S 37E	1980 FSL, 660 FWL	5799-6001 & 6507-6577	5700
Hawk B-1 #5	3002509908	Sec 9 21S 37E	1980 FSL, 1980 FWL	5674-5985 & 6586-6706	5600
Hawk B-1 #8	3002509906	Sec 9 21S 37E	660 FSL, 1980 FEL	5620-6042 & 6523-6736	5550
Hawk B-1 #9	3002506441	Sec 9 21S 37E	660 FSL, 660 FWL	5636-6058 & 6506-6583	5600
Hawk B-1 #11	3002506434	Sec 8 21S 37E	1980 FSL, 660 FEL	5667-5882 & 6539-6629	5600
Hawk B-1 #13	3002520178	Sec 9 21S 37E	1980 FSL, 660 FEL	5781-6043 & 6582-6710	5700
Hawk B-1 #14	3002522859	Sec 8 21S 37E	1980 FSL 1980 FEL	5666-5876 & 6660-6700	5600
Hawk B-1 A/C 1 #1	3002506437	Sec 9 21S 37E	1980FNL, 1980 FWL	5645-5837 & 6588-6674	5600
Lockhart A-17 #4	3002506639	Sec 17 21S 37E	660 FNL, 660 FEL	5646-6068 & 6611-6697	5600
Southland Royalty A #1	3002506442	Sec 9 21S 37E	1980 FNL, 1980 FEL	5664-5950 & 6555-6675	5600
Southland Royalty A #2	3002506443	Sec 9 21S 37E	660 FNL, 1980 FEL	5750-5936 & 6595-6685	5700
Southland Royalty #4	3002506396	Sec 4 21S 37E	660 FSL 660 FEL	5692-5960 & 6519-6655	5600
Southland Royalty A #5	3002506397	Sec 4 21S 37E	1980 FSL, 660 FEL	5702-5970 & 6640-6652	5650
Southland Royalty A #6	3002506444	Sec 9 21S 37E	1980 FNL, 660 FEL	5642-6108 & 6895-6635	5600
Southland Royalty A #7	3002506445	Sec 9 21S 37E	660 FNL, 585 FEL	5660-5950 & 6596-6616	5600
Southland Royalty A #8	3002520069	Sec 4 21S 37E	660 FSL, 1980 FEL	5686-5984 & 6617-6649	5600
State C TR 12 #3	3002506625	Sec 16 21S 37E	1980 FNL, 660 FWL	5835-5975 & 6615-6658	5750
State C TR 12 #06Y (WBDU #60)	3002506628	Sec 16 21S 37E	720 FNL, 1980 FWL	5602-5862 & 6578-6670	5550
State DA #2 (WBDU #76)	3002506616	Sec 16 21S 37E	1980 FSL, 1980 FWL	5617-5997 & 6419-6648	5550
State DA #4 (WBDU #78)	3002506619	Sec 16 21S 37E	1980 FSL, 660 FEL	5648-5925 & 6406-6641	5600

5596 6670 6710 5596 6692

C-108 Review Checklist: Received 6/13/2016 Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: (WFX) / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: R-12484-A

Well No. 60 Well Name(s): GSDU

API: 30-0 25-06628 Spud Date: 08-06-1947 New or Old: O (UIC Class II Primacy 03/07/1982)

Footages 720 FNL 1980 FWL Lot ___ or Unit C Sec 16 Tsp 21S Rge 37E County Lea

General Location: ~3 miles NW/ Eunice Pool: _____ Pool No.: _____

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

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

WELL FILE REVIEWED ○ Current Status: WI w/i Eunice; BLi-Tubb, North Pool

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

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ Surface	17½/13 3/8	257		300	Surface/Visual
Planned __or Existing __ Interm/Prod	12¼/9 5/8	2555		1500	Surface/Visual
Planned __or Existing __ Interm/Prod	8 3/4/7	6766		1000	Surface/Visual
Planned __or Existing __ Prod/Liner	7/4½	6765	5500	644	Surface/Visual
Planned __or Existing __ Liner					
Planned __or Existing __ OH (PERF)	6465/6710		Inj Length 245'		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.	[redacted]	DR	6465
Confining Unit: Litho. Struc. Por.		BL	5610
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:		Base Drinkard	6715
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.	[redacted]		

Completion/Operation Details:

Drilled TD 6699 PBTD 6670

NEW TD 6765 NEW PBTD 6750

NEW Open Hole ○ or NEW Perfs ✓

Tubing Size 2 3/8 in. Inter Coated? Y

Proposed Packer Depth 6415 ft

Min. Packer Depth 6365 (100-ft limit)

Proposed Max. Surface Press. 1120 psi

Admin. Inj. Press. 1120 (0.2 psi per ft) → R-12484 Stipulation

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? ___ BLM Sec Ord ○ WIPP ○ Noticed? ___ Salt/Salado T: ___ B: ___ NW: Cliff House fm ___

FRESH WATER: Aquifer Ogallala/Alluvium Max Depth 55 HYDRO AFFIRM STATEMENT By Qualified Person ○

NMOSE Basin: Capitan CAPITAN REEF: thru adj (NA) No. Wells within 1-Mile Radius? 6 FW Analysis Y

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

Disposal Int: Inject Rate (Avg/Max BWPD): 2500/3000 Protectable Waters? ___ Source: ___ System: (Closed) or Open

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

AOR Wells: 1/2-M Radius Map? Y Well List? ___ Total No. Wells Penetrating Interval: 81 Horizontals? N/A

Penetrating Wells: No. Active Wells 81 Num Repairs? Y on which well(s)? ___ Diagrams? ___

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

NOTICE: Newspaper Date 6/14/2016 Mineral Owner NM SLO Surface Owner NM SLO N. Date 6-9-2016

RULE 26.7(A): Identified Tracts? Y Affected Persons: Chevron, Stephens & Johnson N. Date 6-9-2016

Order Conditions: Issues: CBL 4½ Liner to Surface.

Add Order Cond: _____

C-108 Review Checklist: Area Order

Supplemental Checklist for Multiple Well Application

ORDER TYPE: WFX / PMX Number: ________ **SUPPLEMENTAL PAGE** 2 of 2

Relevant Hearing Order(s): R-12454-A

MULTIPLE WELL APPLICATION: 2 of 3 **Well No.** 76 **Well Name(s):** WBDU

API : 30-0 25-06616 Spud Date: 5-14-1947 New or Old: O (*UIC Class II Primacy 03/07/1982*)

Footages 1980 FSL 1980 FWL Lot ___ or Unit K Sec 16 Tsp 21S Rge 37E County Lea

WELL FILE REVIEWED ○ Current Status: WI Wi Eunice; BLI-TU-DR, North PD

WELL DIAGRAMS: NEW: Proposed ○ or RE-ENTER: Before Conv. ○ After Conv. ○ Logs in Imaging: Y-> E-Log

Planned Rehab Work to Well: Run 4½" Liner / Surface & Circulate

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determination Method
Planned __ or Existing __ Surface	17½/13 3/8	214	Stage Tool	200	Surface/Visual
Planned __ or Existing __ Interm/Prod	11/8 5/8	2815		1200 ~~1250~~	Surface/Visual
Planned __ or Existing __ Interm/Prod	7 7/8/5½	6654		500	Surface/Visual
Planned __ or Existing __ Prod/Liner	5½/4½	6810		150	Surface/Visual
Planned __ or Existing __ Liner					
Planned __ or Existing __ OH / PERF	6460/6720		Inj Length 230	*Hydrologic Information and AOR Well Summary on Coversheet*	

Completion/Operation Details: Drilled TD 6654 PBTD ________ NEW TD 6770 NEW PBTD ~~6735~~ 6795

NEW Open Hole ○ or NEW Perfs ✓ Tubing Size 2 3/8 in. Coated? Y Prop. Packer Depth 6400 ft Min. Depth 6360 (100-ft limit)

Proposed Max. Surface Press. 1120 psi **Admin. Inj. Press.** 1120 **(0.2 psi per ft) ANY AREA IPI APPROVAL:** ________

Specific Requirement(s) for Well: ** C-B-L - 4½ Liner to Surface

MULTIPLE WELL APPLICATION: 3 of 3 **Well No.** 78 **Well Name(s):** WBDU

API : 30-0 25-06619 Spud Date: 8-12-1947 New or Old: O (*UIC Class II Primacy 03/07/1982*)

Footages 1980 FSL 660 FEL Lot ___ or Unit I Sec 16 Tsp 21S Rge 37E County Lea

WELL FILE REVIEWED ○ Current Status: WI Wi Eunice; BLI-TU-DR

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	17½/13 3/8	215	Stage Tool	200	Surface/Visual
Planned __ or Existing __ Interm/Prod	11/8 5/8	2807		1550	Surface/Visual
Planned __ or Existing __ Interm/Prod	7 7/8/5½	6646		500	Surface/Visual
Planned __ or Existing __ Prod/Liner	5½/4½	6700		500	Surface/Visual
Planned __ or Existing __ Liner					
Planned __ or Existing __ OH / PERF	6420/6670		Inj Length 250	*Hydrologic Information and AOR Well Summary on Coversheet*	

Completion/Operation Details: Drilled TD 6644 PBTD 6582 NEW TD 6770 NEW PBTD 6755

NEW Open Hole ○ or NEW Perfs ✓ Tubing Size 2 3/8 in. Coated? Y Prop. Packer Depth 6380 ft Min. Depth 6320 (100-ft limit)

Proposed Max. Surface Press. 1120 psi **Admin. Inj. Press.** 1120 **(0.2 psi per ft) ANY AREA IPI APPROVAL:** ________

Specific Requirement(s) for Well: Run C-B-L for the 4½" Liner