RECEIVED: ,	REVIEWER:	TYPE:	APP NO:
3/08/2018		WEX	PMAM 1806742733
	ABOVE	THIS TABLE FOR OCD DIVISION USE OF	NIN TO THE RESERVE TO

### **NEW MEXICO OIL CONSERVATION DIVISION**



- Geological & Engi	ineering Bureau – (1 2 1 1)
1220 South St. Francis Drive	re, Santa Fe, NM 87505
	PLICATION CHECKLIST
	TIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND SING AT THE DIVISION LEVEL IN SANTA FE
Applicant: Apache Corporation	OGRID Number: 873
Well Name: East Blinebry Drinkard Unit 24	API: 30-025-06530
Pool: Eunice; BLI-TU-DR, North	Pool Code: 22900
	N REQUIRED TO PROCESS THE TYPE OF APPLICATION FED BELOW  WE FX 979
1) TYPE OF APPLICATION: Check those which app A. Location – Spacing Unit – Simultaneous De  NSL NSP (PROJECT AREA)	oly for [A]
B. Check one only for [1] or [11]  [1] Commingling – Storage – Measuremer  DHC CTB PLC PC  [11] Injection – Disposal – Pressure Increase  WFX PMX SWD IPI	C
2) NOTIFICATION REQUIRED TO: Check those which A. Offset operators or lease holders  B. Royalty, overriding royalty owners, reversed. Application requires published notice  D. Notification and/or concurrent approved. Notification and/or concurrent approved. Surface owner  G. For all of the above, proof of notification that the control of the concurrent approved.	enue owners  /al by SLO /al by BLM  on or publication is attached, and/or,
3) CERTIFICATION: I hereby certify that the informal administrative approval is accurate and complete understand that no action will be taken on this notifications are submitted to the Division.	lete to the best of my knowledge. I also
Note: Statement must be completed by an indi	vidual with managerial and/or supervisory capacity.
Brian Wood	3-7-18 Date
Print or Type Name	
	505 466-8120
15-Word	Phone Number
	brian@permitswest.com
Signature	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

	MA BIONTON TO MODEL
I.	PURPOSE: XXX Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? XXX Yes No
II.	OPERATOR: APACHE CORPORATION
	ADDRESS: 303 VETERANS AIRPARK LANE, SUITE 3000, MIDLAND, TX 79705
	CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes XXX No If yes, give the Division order number authorizing the project: R-12981
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.  EAST BLINEBRY DRINKARD UNIT 24
VII.	Attach data on the proposed operation, including:  30-025-06530
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*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 7 1 TITLE: CONSULTANT
	SIGNATURE: DATE: JAN. 16, 2018
*	E-MAIL ADDRESS: brian@permitswest.com  If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  Please show the date and circumstances of the earlier submittal:

### 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.

APACHE CORPORATION

OPERATOR:

	11 21 S 37 E	SECTION TOWNSHIP RANGE	WELL CONSTRUCTION DATA Surface Casing		Casing Size: 13.375"	sx. or ft <sup>3</sup>	Method Determined: CIRCULATED	Intermediate Casing	" Casing Size: 9.625"	sx. or ft <sup>3</sup>	Method Determined: CALCULATED	Production Casing	" Casing Size: 7 "	sx. or ft <sup>3</sup>	Method Determined: CALCULATED		Injection Interval	5611 feet to 6046'	(Perforated or Open Hole; indicate which)
24	D	UNIT LETTER SE			Hole Size: 17.5"	Cemented with: 260	Top of Cement: SURFACE		Hole Size: 12.25"	Cemented with: 1150	Top of Cement: 2000'		Hole Size: 8.75"	Cemented with: 500	Top of Cement:	Total Depth: 6760			(Perforate
WELL NAME & NUMBER: EAST BLINEBRY DRINKARD UNIT	WELL LOCATION: 2310' FSL & 1650' FEL	FOOTAGE LOCATION UNIT I	WELLBORE SCHEMATIC	" AS IS"		103.375" 48# in 17.5" hole @ 307' TOC (260 ex) = GL (Circ.)		o bqı	9.625," 36# in 12.25" hole @ 2995' TOC (1150 sx) = 2000' (Calc.)		7" 23# in T	5.75  force = 5.00  (Calc.) TOC (500 sx) = 3000' (Calc.)	Н		Silnebry perrs 5752' - 5856' T DHC-519		6589' - 6665'	DHC-519 TD 6760'	

APACHE CORPORATION

OPERATOR:

WELL NAME & NUMBER:		EAST BLINEBRY	DRINKARD	UNIT 24			
WELL LOCATION: 2	2310' FSL	L & 1650'	FEL	b	11	21 S	37 E
	FOOTAG	FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBO	WELLBORE SCHEMATIC	MATIC			WELL CONSTR Surface Casing	WELL CONSTRUCTION DATA Surface Casing	
PROF	PROPOSED						
(not to scale)	scale)	Ė		Hole Size:	17.5"	Casing Size: 13.	.375"
,1999			103.375" 48# IN 17.5" hole @ 307' TOC (260 sx) = GL (Circ.)	Cemented with:	260 sx.	or	ft <sup>3</sup>
<i>: ⊕ 6</i> 0		e e e e e e e e e e e e e e e e e e e		Top of Cement:	SURFACE	Method Determined: CIRCULATED	IRCULATED
<u> </u>		9 625	9 625" 36# in		Intermediate Casing	Casing	
.S 198   iw		12.25 TOC (	12.25" hole @ 2995' TOC (1150 sx) = 2000' (Calc.)	Hole Size:	12.25"	Casing Size: 9.625"	25"
1		.0101-		Cemented with:	1150 sx.	or	ft3
		7" 23# in 8.75" hole @ 6760'	260,	Top of Cement:	2000'	Method Determined: CALCULATED	ALCULATED
		TOC (500 sx) = 3000' (Calc.)	: 3000' (Calc.)		Production Casing	Casing	
will set packer @ 5561'		44343434		Hole Size:	8.75"	Casing Size: 7	7 ".
will perf		<b>.</b> ;		Cemented with:	500 sx.	or	ft <sup>3</sup>
Blinebry ← 5611' - 6046'		545454		Top of Cement:	3000'	Method Determined: CALCULATED	CALCULATED
will set CIBP + 2 sx cmt			Ą	Total Depth:	6760'		
@ ≈6060'		6589' - 6665'	errs 365'		Injection Interval	<u>nterval</u>	
A COLOR	TD 6760'	<b>.</b>			5611 feet	to 6046 '	
					(Perforated or Open Hole; indicate which)	ole; indicate which)	

# INJECTION WELL DATA SHEET

Tul	Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT
Ty	Type of Packer: LOCK SET INJECTION
Рас	Packer Setting Depth: ~5561 '
Otl	Other Type of Tubing/Casing Seal (if applicable):
	Additional Data
Η.	Is this a new well drilled for injection?
	If no, for what purpose was the well originally drilled? BLINEBRY & DRINKARD OIL WELL
5.	Name of the Injection Formation: BLINEBRY
ω.	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.
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
	OVER: YATES (2615'), 7 RIVERS (2873'), QUEEN (3424'), GRAYBURG (3771'), SAN ANDRES (3978')
	UNDER: TUBB (6147'), DRINKARD (6476'), ABO (6748')
	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO ADDRESS OF THE PERSON NAMED IN COLUMN TO ADDRES

PAGE 1

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١. Goal is to convert a 6760' TD oil well to a water injection well to increase oil recovery. The well will inject (5611' - 6046') into the Blinebry, which is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool (aka, Eunice; BLI-TU-DR, North and pool code = 22900).

Well and zone are in the East Blinebry Drinkard Unit (Case Numbers 13503) and 13504, Order Numbers R-12394 and R-12395) that was established in 2005 by Apache. There have been 6 subsequent WFX approvals (WFX-819, -842, -904, -909, -963, & -969). This is an active water flood. Twenty-four water injectors are in the Unit. Injection increase to 2100 psi was authorized (IPI-292) in 2008.

11. Operator: Apache Corporation (OGRID #873)

Operator phone number: (432) 818-1167

Operator address: 303 Veterans Airpark Lane, Suite 3000

Midland, TX 79705

Contact for Application: Brian Wood (Permits West, Inc.)

Phone: (505) 466-8120

III. A. (1) Lease: BLM (NMNM-125057)

Lease Size: 1200 acres (see Exhibit A for maps and C-102)

Closest Lease Line: 990'

Lease Area: E2 & NW4 Section 11, T. 21 S., R. 37 E. et al

Unit Size: 2080 acres

BLM Unit #: NMNM-112723X

Closest Unit Line: 990'

Unit Area:

T. 21 S., R. 37 E.

Section 1: Lots 11-15, W2SE4, & SW4

Section 11: E2 & NW4

Sections 12: W2 & W2E2

Section 13: W2, W2NW4, & NWSE

Section 14: NE4 & E2SE4

A. (2) Surface casing (13.375") is set at 307' in a 17.5" hole and cemented to GL (circulated) with 260 sacks.



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Intermediate casing (9.625") is set at 2995' in a 12.25" hole and cemented to 2000' (calculated) with 1150 sacks.

Production casing (7") is set at 6760' in an 8.75" hole and cemented to 3000' (calculated) with 500 sacks.

A CIBP will be set at  $\approx 6060$ ' and topped with 2 sacks cement. Mechanical integrity of the casing will be assured by hydraulically pressure testing to 500 psi for 30 minutes.

- A. (3) Tubing will be 2-3/8" J-55 (4.7# IPC or 5.3# fiber lined). Setting depth will be  $\approx 5561$ '. (Disposal interval will be 5611' 6046'.)
- A. (4) A lock set injection packer will be set at  $\approx 5561$ ' ( $\approx 50$ ' above the highest proposed perforation of 5611').
- B. (1) Injection zone will be the Blinebry carbonate. It is part of the Eunice; Blinebry-Tubb-Drinkard, North Pool. Fracture gradient is ≈0.56 psi/ft.
- B. (2) Injection interval will be from 5611' to 6046' in a cased hole. Well is now perforated in the Blinebry (5752' 5856') and the Drinkard from 6589' to 6665'.
- B. (3) Well was originally drilled in 1960 as a Blinebry and Drinkard oil well.
- B. (4) Well will be perforated from 5611' to 6046' with 2 shots per foot. Shot diameter = 0.40". Perforation and isolation history is below:

Depth	Zone	Action				
5611 - 6046	Blinebry	proposed injection interval				
5752 – 5856 Blinebry		open perfs				
6060	Blinebry	proposed CIBP + 2 sx cmt				
6540	Drinkard	packer				
6589 - 6665	Drinkard	open perfs				



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B. (5) Next higher oil or gas zone in the area of review is the San Andres. Its bottom is at 5235'. Injection will occur in the Blinebry. Highest perforation will be 5611'.

Next lower oil or gas zone in the area of review is the Tubb, part of the same Eunice; Blinebry-Tubb-Drinkard, North Pool. Tubb top is at 6147'. Deepest perforation will be 6046'.

- IV. This is not a horizontal or vertical expansion of an existing injection project. Case files 13503 and 13504 describe the water flood.
- V. Exhibit B shows and tabulates all 32 existing wells (21 oil wells + 10 injectors + 1 P & A wells) within a half-mile radius, regardless of depth. Exhibit C shows all 637 existing wells (425 oil or gas wells + 118 injection or disposal wells + 59 P&A wells + 34 water supply wells + 1 brine well) within a two-mile radius.

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

Aliquot Parts in Area of Review (T21S, R37E)	Lessor	Lease	Lessee(s) of Record	Blinebry, Tubb, &/or Drinkard operator	
E2, E2NW4, & SWNW Sec. 11	BLM	NM-125057	Apache, BP, Chevron	Apache	
E2SW4 Sec. 11	fee	J H Nolan	Apache	Apache	
NWSW Sec. 11	fee	Gutman	Apache	Apache	
W2NW4 Sec. 12	BLM	NM-125057	Apache, BP, Chevron	Apache	
NWSW Sec. 12	fee	Coll	Apache	Apache	
SWSW Sec. 12	fee	Chesher	Apache	Apache	
NENE Sec. 14	BLM	NM-125057	Apache, BP, Chevron	Apache	
NWNE Sec. 14	fee	Smith	Apache	Apache	
NENW Sec. 14	fee	Andrews	Apache	Apache	



APACHE CORPORATION
EAST BLINEBRY DRINKARD UNIT 24
2310' FSL & 1650' FEL
SEC. 11, T. 21 S., R. 37 E., LEA COUNTY, NM

30-025-06530

- VI. Thirty-two existing wells are within a half-mile. All 32 wells penetrated the Blinebry. The penetrators include 21 oil wells, 10 injectors, and 1 P&A well. A table abstracting the well construction details and histories of the penetrators is in Exhibit F. P&A well diagram is in Exhibit G.
- VII. 1. Average injection rate will be ≈400 bwpd. Maximum injection rate will be 500 bwpd.
  - 2. System is closed. Well will be tied into the existing unit pipeline system.
  - 3. Average injection pressure will be ≈2000 psi. Maximum injection pressure will be 2100 psi (IPI-292).
  - 4. Water source will be water pumped from an existing San Andres water supply well. A comparison of nearby analyses and San Andres follows. No compatibility problems have reported from the 16,803,534 barrels that have been injected in the Unit to date.

	NEDU Injection Pump Discharge	San Andres 919-S
Anion/Cation Ratio	1.0	N/A
Barium	0.1 mg/l	0.38 mg/l
Bicarbonate	671.0 mg/l	562.0 mg/l
Calcium	1,099.0 mg/l	608.0 mg/l
Carbon Dioxide	80.0 ppm	80.0 ppm
Chloride	10,086.0 mg/l	6,200.0 mg/l
Hydrogen Sulfide	90.0 ppm	408.0 ppm
Iron	0.3 mg/l	0.0 mg/l
Magnesium	439.0 mg/l	244.0 mg/l
Manganese	N/A	0.01 mg/l
рН	7 <b>.</b> 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



30-025-06530

5. The Unit has 91 oil wells. Project goal is to increase production.

VIII. The Unit is on the north end of a north-northwest to south-southeast trending anticline. It is part of the Penrose Skelly trend and parallels the west edge of the Central Basin Platform. Dips are 1° to 2°. The injection interval is Leonardian in age, 435' thick, and consists of tan to dark gray shallow marine carbonates, many of which have been dolomitized. Core filling and replacement anhydrite is common in the limestone. Nodular anhydrite is common in the dolomite. Five per cent porosity cut off is used to determine pay zones. Impermeable shale and carbonates vertically confine the interval.

There are 105 Blinebry injection wells in the state. The East Blinebry Drinkard Unit shares its west border with Apache's Northeast Drinkard Unit. Three other similar water floods (West Blinebry Drinkard Unit, Northeast Drinkard Unit, and Warren Blinebry Unit) are within a mile of the East Blinebry Drinkard Unit. The slightly more distant (2 miles) Central Drinkard Unit has been under water flood since the 1960s.

Formation depths are:

Quaternary = 0' Rustler = 1345' Salado = 1433'Tansill = 2469' Yates = 2615Seven Rivers = 2873' Oueen = 3424Penrose = 3591' Grayburg = 3771'San Andres = 3978'Glorieta = 5236' Blinebry = 5611'injection interval = 5611' - 6046' Blinebry marker = 5686' Tubb = 6147'Drinkard = 6476'Abo = 6748'TD = 6760'



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According to Office of the State Engineer records (Exhibit H), one fresh water well, 65' deep, is within a mile radius. That 100-year old well could not be found during an August 18, 2017 field inspection. However, a water well 4000' southeast was found and sampled. The sampled well is not in the State Engineer's records.

The same records show the deepest water well within 2 miles is 8015'. However, it is not a fresh water well. It is a now P&A oil well (30-025-06606) that was converted to a water supply well for unit water floods. Water source was the San Andres (4016' - 4941'). Otherwise, deepest water well within 2-miles is 136'.

There will be >4,000' of vertical separation and hundreds of feet of salt and anhydrite between the bottom of the only likely underground fresh water source (Quaternary redbeds) and the top of the injection interval. Well is a 9/10 mile southwest of the Ogallala aquifer.

There are 213 active or new injection wells and 8 active disposal wells in either the Blinebry-Tubb-Drinkard, San Andres, Grayburg, Queen, Seven Rivers, or Yates in T. 21 S., R. 37 E.

- IX. The well will be stimulated with acid to clean out scale or fill.
- X. SP, resistivity, gamma ray, sonic, and induction logs are on file with NMOCD.
- XI. One water well was found within a mile. Analyses from four fresh water wells within 34 mile to 2 miles away are in Exhibit H.
- XII. Apache (Exhibit I) is not aware of any geologic or engineering data that may indicate the injection interval is in hydrologic connection with any underground sources of water. Closest Quaternary faults are ≈110 miles southwest (Exhibit I). There are 105 Blinebry injection wells in New Mexico. Previously approved water flood expansions in the Unit include WFX-819, -842, -904, -909, -963, and -969.



APACHE CORPORATION
EAST BLINEBRY DRINKARD UNIT 24
2310' FSL & 1650' FEL
SEC. 11, T. 21 S., R. 37 E., LEA COUNTY, NM

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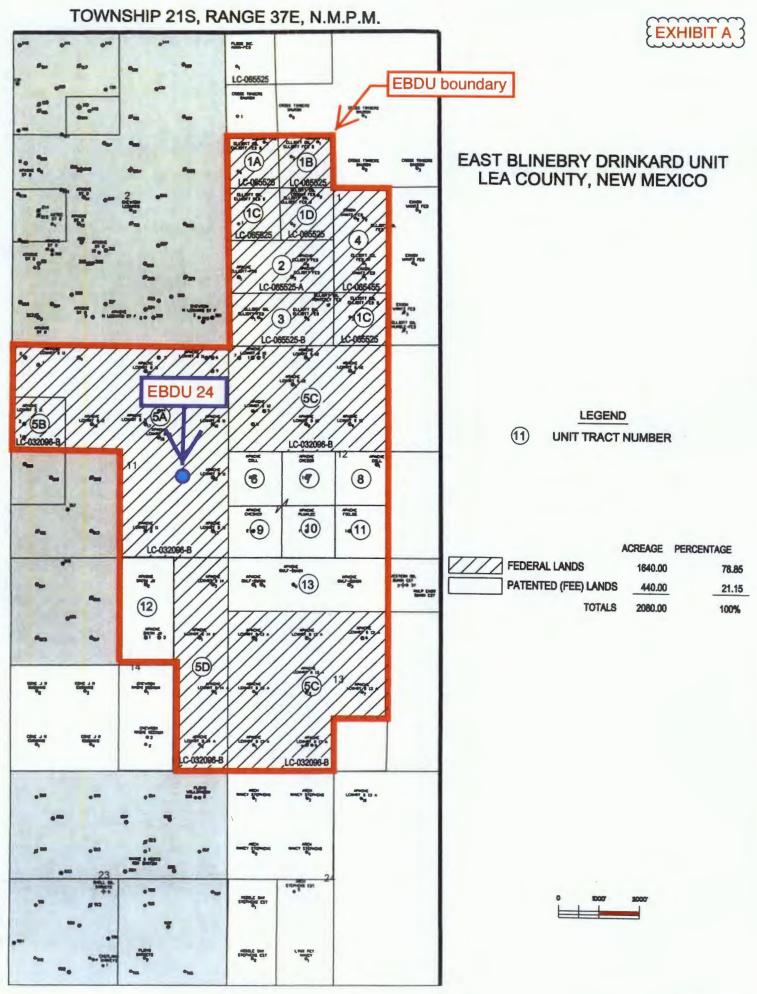
30-025-06530

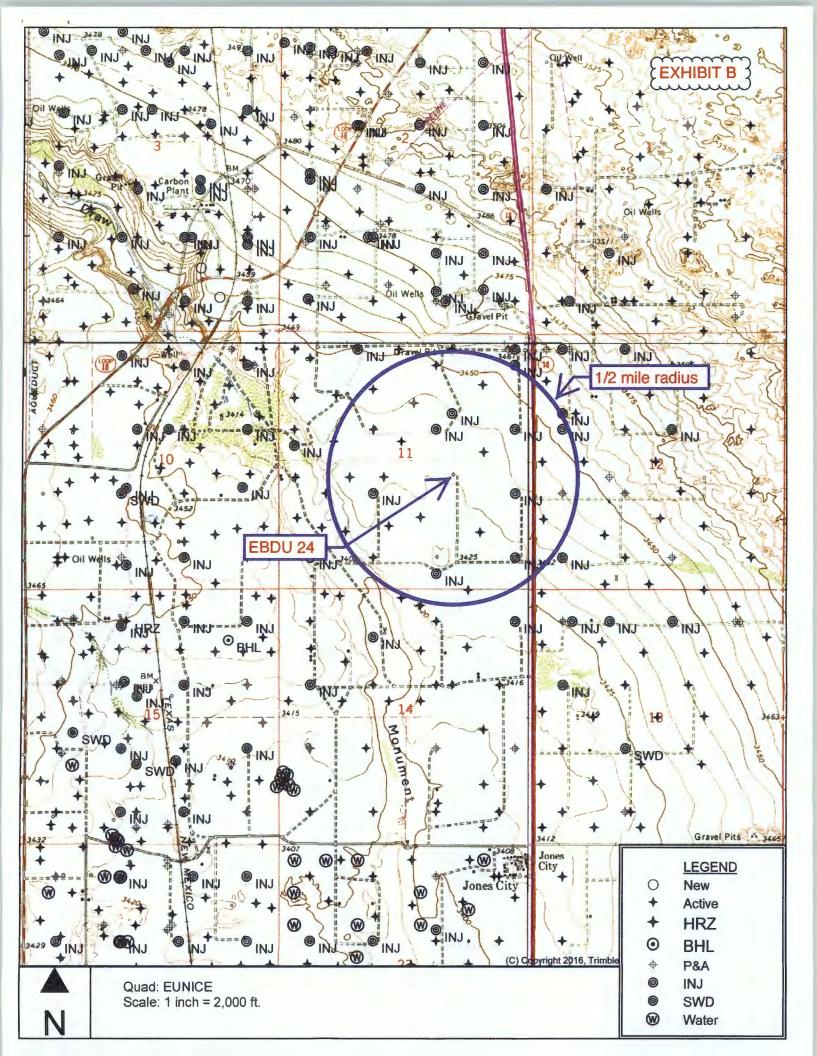
XIII. A legal ad (see Exhibit J) was published on January 7, 2018. Notice (this application) has been sent (Exhibit K) to the surface owner (J. A, Bryant), BLM, and lessees (BP, Chevron) within a half-mile. Apache operates all wells within a half-mile regardless of depth.

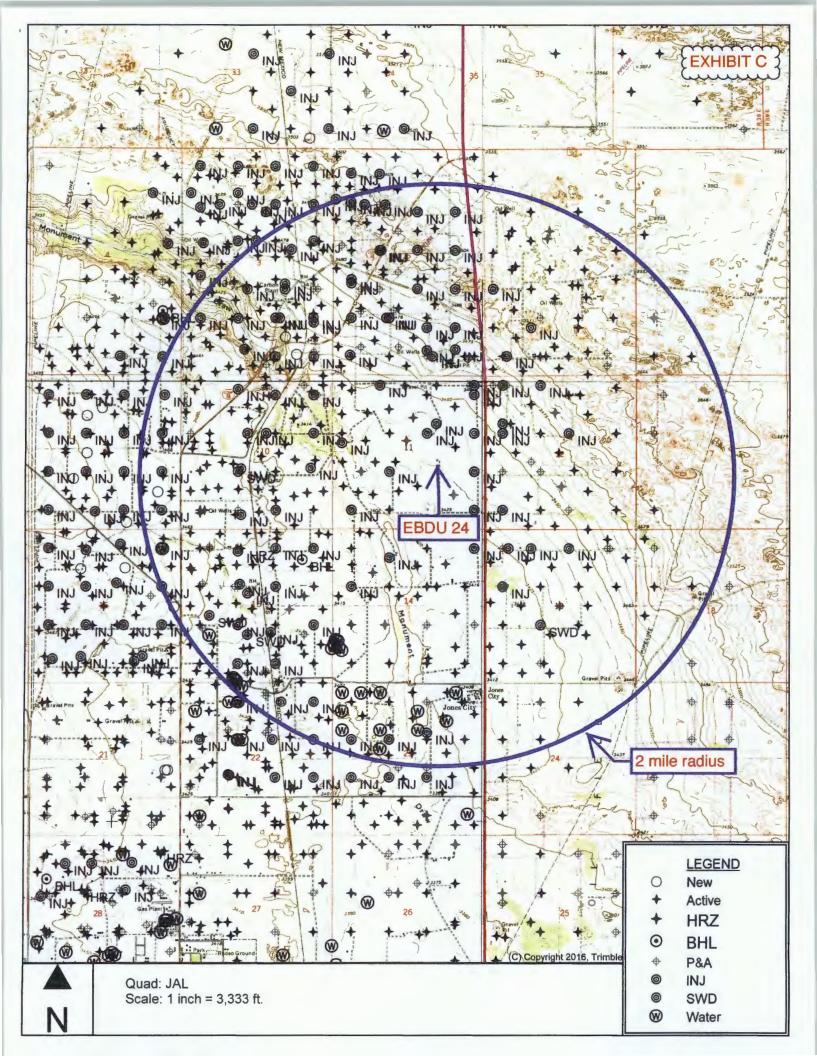


SEE INSTRUCTIONS FOR COMPLETI	REAGE DEDICATI	IOU DIAT : I
CESTILETRICATIONS BOR COURT ET		
	IG THIS FORM ON THE I	KEAAMESIPE LICE COO
Operate		960 JAN 19 AN 164 50
Centinental Oil Ce. Unit Letter   Section   Township   1	Leckhart B-11	500 CAN 15   15 -TB-D
J 11 21 South	37 East	Lea County
Actual Feetage Location of Vell:		
1650 feet from the East line and 2] Ground Level Elev.   Producing Formation   Pool	10 feet from th	Dedicated Acreage:
	rry Blinebry &	· · · · · · · · · · · · · · · · · · ·
<ol> <li>Is the Operator the only owner in the dedicated acreage outlined who has the right to drill into and to produce from any pool and amother. (65-3-29 (e) NMSA 1935 Comp.)</li> <li>If the answer to question one is "no," have the interests of all wise? YESNO If answer is "yes," Type of Comp.</li> <li>If the answer to question two is "no," list all the owners and the company of th</li></ol>	o appropriate the producti  be owners been consolida  solidation	on either for himself or for himself and
Owner	Land Description	
		. <del>-</del>
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  Name  J. R. Parker  Position  District Superintendent  Company  Continental Oil Company  Date  January 18, 1960
2310*	1650' —	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

•



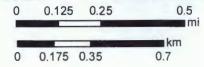






## **Land Status**





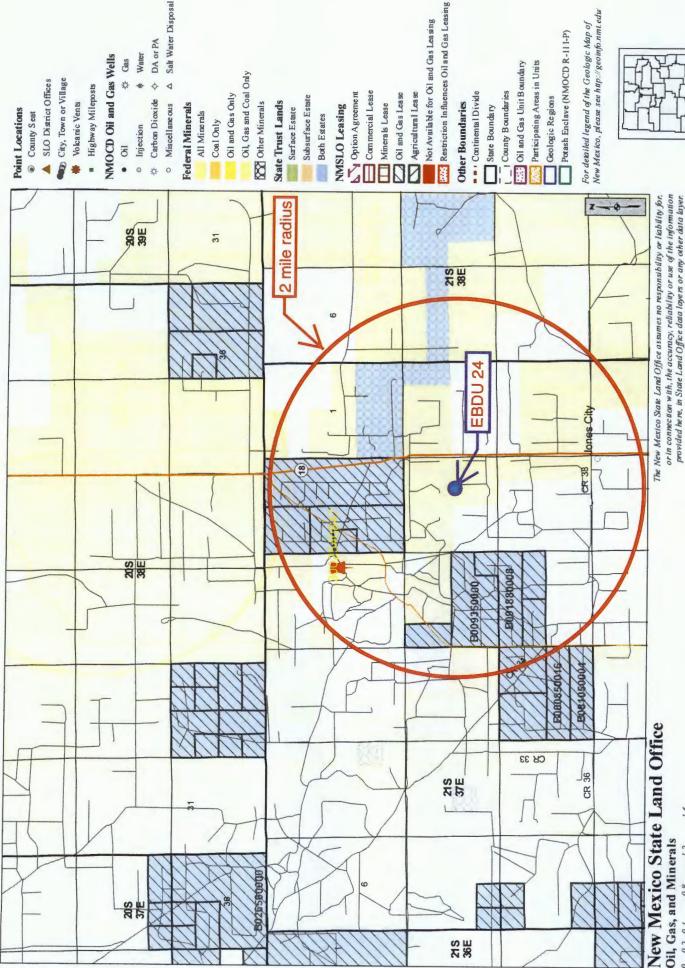
### Disclaimer:

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.







- Highway Mileposts

## NMOCD Oil and Gas Wells

⇔ Gas

- ♦ DA or PA Water
- A Salt Water Disposal
- Oil and Gas Only

- Subsurface Estate

- Oil and Gas Lease
- Agricultural Lease
- Not Available for Oil and Gas Leasing

Potash Enclave (NMOCD R-111-P)

New Mexico, please see http://geoimfo.nmt.edw



www.nmstatelands.org

EXHIBITE

Land Office Geographic Information Center

Created On: 3/11/2013 1:48:40 PM

Universal Transverse Mercator Projection, Zone 13 1983 North American Datum

### SORTED BY DISTANCE FROM EBDU 24

API	OPERATOR	WELL	WELL STATUS	T21S-R37E- UNIT-SECTION	TVD	ZONE	FEET FROM EBDU 24
3002538771	Apache	EBDU 067	0	H-11	6960	Eunice; Bli-Tu-Dr, N	539
3002506536	Apache	EBDU 026	l	G-11	7500	Eunice; Bli-Tu-Dr, N	945
3002539644	Apache	EBDU 086	0	F-11	7112	Eunice; Bli-Tu-Dr, N	1138
3002538234	Apache	EBDU 063	0	J-11	6968	Eunice; Bli-Tu-Dr, N	1198
3002506529	Apache	EBDU 023	_	G-11	5925	Eunice; Bli-Tu-Dr, N	1213
3002539406	Apache	EBDU 087	0	P-11	6950	Eunice; Bli-Tu-Dr, N	1273
3002506481	Apache	EBDU 020	1	I-11	6780	Eunice; Bli-Tu-Dr, N	1393
3002537728	Apache	NEDU 424	0	K-11	6955	Eunice; Bli-Tu-Dr, N	1423
3002539380	Apache	EBDU 073	0	G-11	6978	Eunice; Bli-Tu-Dr, N	1588
3002506480	Apache	EBDU 019	_	H-11	6775	Eunice; Bli-Tu-Dr, N	1589
3002538761	Apache	EBDU 066	0	A-11	7000	Eunice; Bli-Tu-Dr, N	1670
3002537673	Apache	NEDU 528	0	N-11	6900	Eunice; Bli-Tu-Dr, N	1684
3002506534	Apache	NEDU 512	1	K-11	7492	Eunice; Bli-Tu-Dr, N	1688
3002539379	Apache	EBDU 074	0	L-12	7000	Eunice; Bli-Tu-Dr, N	1746
3002506531	Apache	EBDU 025	0	F-11	7450	Eunice; Bli-Tu-Dr, N	1855
3002539012	Apache	EBDU <b>07</b> 5	0	L-12	6985	Eunice; Bli-Tu-Dr, N	2010
3002506478	Apache	EBDU 017	1	0-11	7577	Eunice; Bli-Tu-Dr, N	2116
3002537729	Apache	NEDU 530	0	K-11	6900	Eunice; Bli-Tu-Dr, N	2142
3002506528	Apache	EBDU 022	1	P-11	5900	Eunice; Bli-Tu-Dr, N	2201
3002506523	Apache	EBDU 021	0	B-11	5932	Eunice; Bli-Tu-Dr, N	2229
3002539865	Apache	EBDU 099	0	C-11	7204	Eunice; Bli-Tu-Dr, N	2244

### SORTED BY DISTANCE FROM EBDU 24

3002506552	Apache	EBDU 046	P&A	L-12	5950	Eunice; Bli-Tu-Dr, N	2359
3002539674	Apache	EBDU 080	0	A-14	6815	Eunice; Bli-Tu-Dr, N	2395
3002506533	Apache	NEDU 513	0	N-11	6711	Eunice; Bli-Tu-Dr, N	2398
3002539645	Apache	EBDU 098	0	D-12	7211	Eunice; Bli-Tu-Dr, N	2449
3002506546	Apache	EBDU 036	ı	E-12	5965	Eunice; Bli-Tu-Dr, N	2479
3002539678	Apache	EBDU 101	0	E-11	7211	Eunice; Bli-Tu-Dr, N	2513
3002534885	Apache	NEDU 517	0	N-11	6860	Eunice; Bli-Tu-Dr, N	2526
3002506482	Apache	EBDU 014	0	B-11	7831	Eunice; Bli-Tu-Dr, N	2533
3002506479	Apache	EBDU 018	i	A-11	5880	Eunice; Bli-Tu-Dr, N	2569
3002506539	Apache	EBDU 030	ļ	E-12	8202	Eunice; Bli-Tu-Dr, N	2614
3002539034	Apache	EBDU 090	0	L-12	7012	Eunice; Bli-Tu-Dr, N	2614
3002520218	Apache	NEDU 510	0	L-11	7200	Eunice; Bli-Tu-Dr, N	2662