

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 195259

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address APACHE CORP 303 Veterans Airpark Lane Midland, TX 79705		2. OGRID Number 873
4. Property Code 22503		3. API Number 30-025-42245
5. Property Name NORTHEAST DRINKARD UNIT		6. Well No. 197

7. Surface Location

UL - Lot	A	Section	2	Township	21S	Range	37E	Lot Idn	9	Feet From	3460	N/S Line	N	Feet From	670	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	A	Section	2	Township	21S	Range	37E	Lot Idn	9	Feet From	3600	N/S Line	N	Feet From	400	E/W Line	E	County	Lea
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9. Pool Information

EUNICE,BLI-TU-DR, NORTH	22900
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3502
16. Multiple N	17. Proposed Depth 7450	18. Formation Drinkard	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	1500	475	
Prod	7.875	5.5	17	7450	1250	

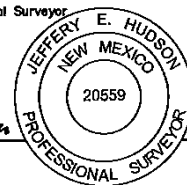
Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

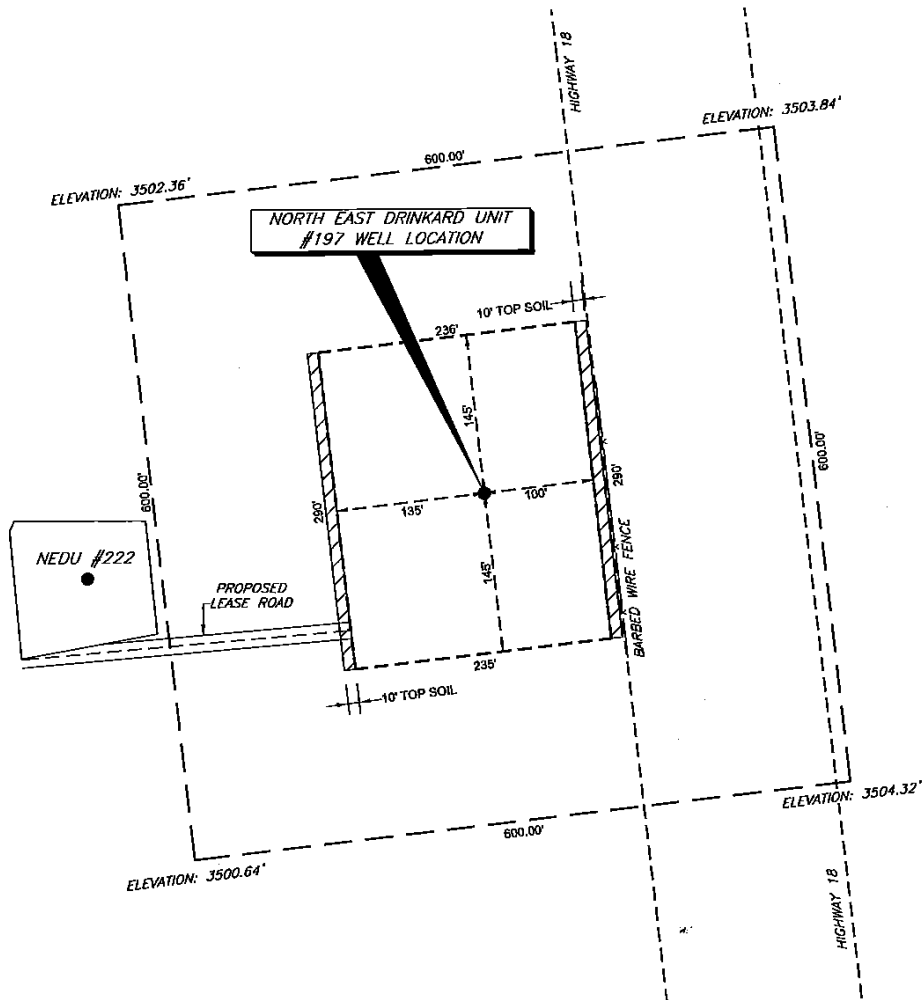
Type	Working Pressure	Test Pressure	Manufacturer
Hydril	3000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Electronically filed by Bobby Smith Title: _____ Email Address: bobby.smith@apachecorp.com Date: 11/8/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 11/8/2014 Expiration Date: 11/8/2016 Conditions of Approval Attached
Phone: 432-818-1020	

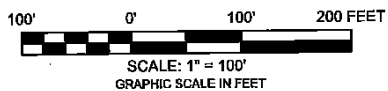


LEA COUNTY, NEW MEXICO

SECTION TWO (2), TOWNSHIP TWENTY-ONE (21) SOUTH,
RANGE THIRTY-SEVEN (37) EAST OF THE PRINCIPAL MERIDIAN



COORDINATE TABLE				
WELL NAME	NORTHING (N.A.D. 27)	EASTING (N.A.D. 27)	NORTHING (N.A.D. 83)	EASTING (N.A.D. 83)
NEDU #197 SURFACE LOCATION & PENETRATION POINT	552255.073	872055.639	552314.633	913239.273
ELEVATION	LATITUDE (N.A.D. 27)	LONGITUDE (N.A.D. 27)	LATITUDE (N.A.D. 83)	LONGITUDE (N.A.D. 83)
3502.48'	32.512469 N	-103.126410 W	32.512587 N	-103.126882 W



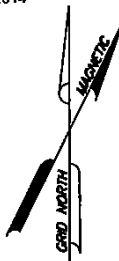
PREPARED FROM SURVEY
DATED: OCTOBER 2, 2014

NOTES:

- 1) BEARINGS & COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, N.A.D. 27 & 83 DATUM (NEW MEXICO EAST ZONE) DERIVED FROM GPS OBSERVATIONS AND ARE BASED REFERENCE STATIONS - "E 148" - MALJAMAR NE (1985)
- 2) LATITUDE & LONGITUDE ARE NAD 83 & 27 GEOGRAPHIC.
- 3) THIS IS AN WELL PLAT AND DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. THIS SURVEY IS BASED ON OWNERSHIP AND EASEMENT INFORMATION PROVIDED BY APACHE CORPORATION. SURVEYOR DID NOT ABSTRACT SUBJECT TRACT AND THERE MAY BE EASEMENTS OR OTHER ENCUMBRANCES THAT AFFECT THE SUBJECT TRACT THAT ARE NOT SHOWN HEREON.



8205 Camp Bowie West, Suite 204
Fort Worth, Texas 76116
(817) 386-0382 ~ Fax (882) 224-3377



THE NEDU 197 WELL LOCATION IS LOCATED
APPROXIMATELY 6.51 MILES SOUTH-SOUTHWEST OF
EUNICE, NEW MEXICO

Apache

Location of

NORTH EAST DRINKARD UNIT #197

Surface Location & Penetration Point: 3460' FNL & 600' FEL

Section 2, Township 21 South, Range 37 East of P.M.

Lea County, New Mexico

DRAWN BY: K.C.N.	DATE: 10-6-14	DWG. NO.	REV.
CHECKED BY:	DATE:	NEW 167/40018 WELL LOCATION	0
SCALE: 1" = 100'	APP:	PAGE 1 OF 1	

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Form APD Comments

Permit 195259

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-42245
	Well: NORTHEAST DRINKARD UNIT #197

Created By	Comment	Comment Date
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Form APD Conditions

Permit 195259

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-42245
	Well: NORTHEAST DRINKARD UNIT #197

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water