

**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) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**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 176234

**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 40197		3. API Number 30-015-41769
5. Property Name LIBBY STATE		6. Well No. 004

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	5	18S	28E	F	2455	N	2150	W	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	5	18S	28E	F	2455	N	2150	W	Eddy

**9. Pool Information**

ARTESIA; GLORIETA-YESO (O)	96830
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3655
16. Multiple N	17. Proposed Depth 4700	18. Formation Yeso Formation	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	500	190	
Prod	7.875	5.5	17	4700	710	

**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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature: _____ Printed Name: Electronically filed by Bobby Smith Title: _____ Email Address: bobbysmith@apachecorp.com Date: 10/29/2013	<b>OIL CONSERVATION DIVISION</b>  Approved By: Randy Dade Title: District Supervisor Approved Date: 10/30/2013      Expiration Date: 10/30/2015 Conditions of Approval Attached
Phone: 432-818-1020	

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-</b>	Pool Code <b>96830</b>	Pool Name <b>Artesia; Glorieta - Yeso</b>
Property Code	Property Name <b>LIBBY STATE</b>	Well Number <b>4</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3655'</b>

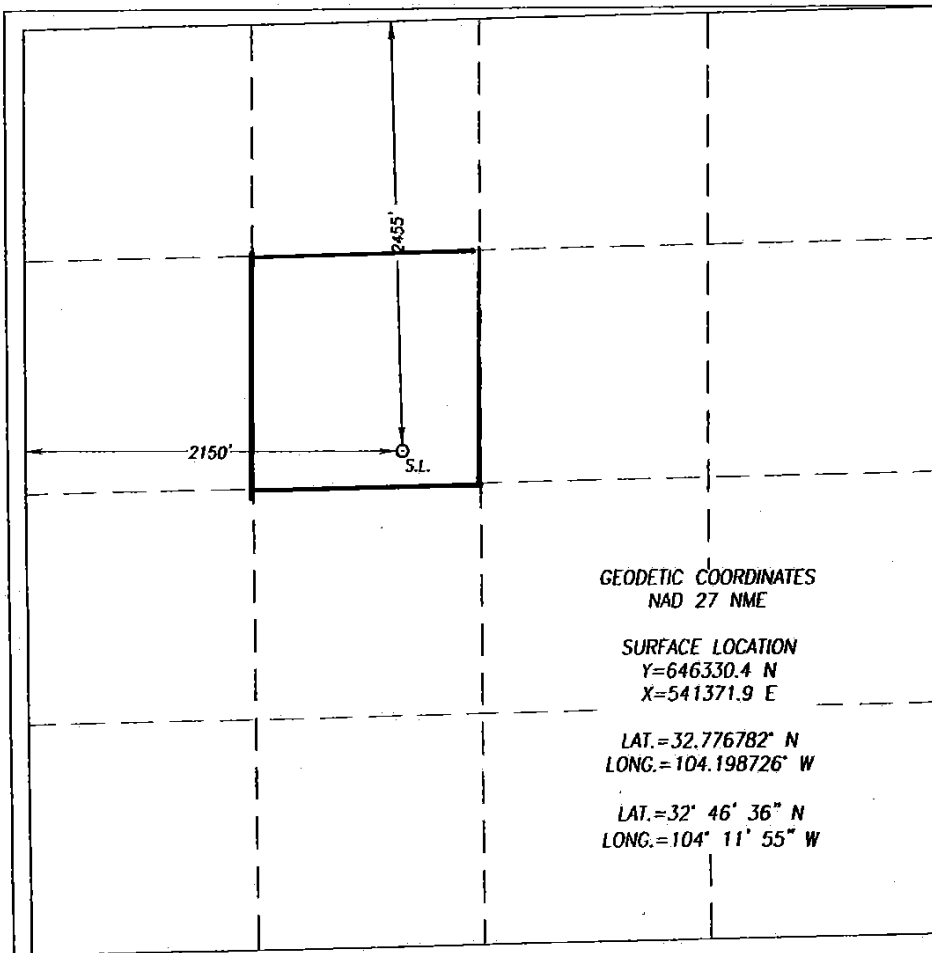
Surface Location

UL or lot No. <b>F</b>	Section <b>5</b>	Township <b>18-S</b>	Range <b>28-E</b>	Lot Idn	Feet from the <b>2455</b>	North/South line <b>NORTH</b>	Feet from the <b>2150</b>	East/West line <b>WEST</b>	County <b>EDDY</b>
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



GEODETIC COORDINATES  
NAD 27 NME

SURFACE LOCATION  
Y=646330.4 N  
X=541371.9 E

LAT.=32.776782° N  
LONG.=104.198726° W

LAT.=32° 46' 36" N  
LONG.=104° 11' 55" W

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Michelle Cooper* 10-29-13  
Signature Date

*Michelle Cooper*  
Printed Name

*michelle.cooper@apachecorp.com*  
E-mail Address

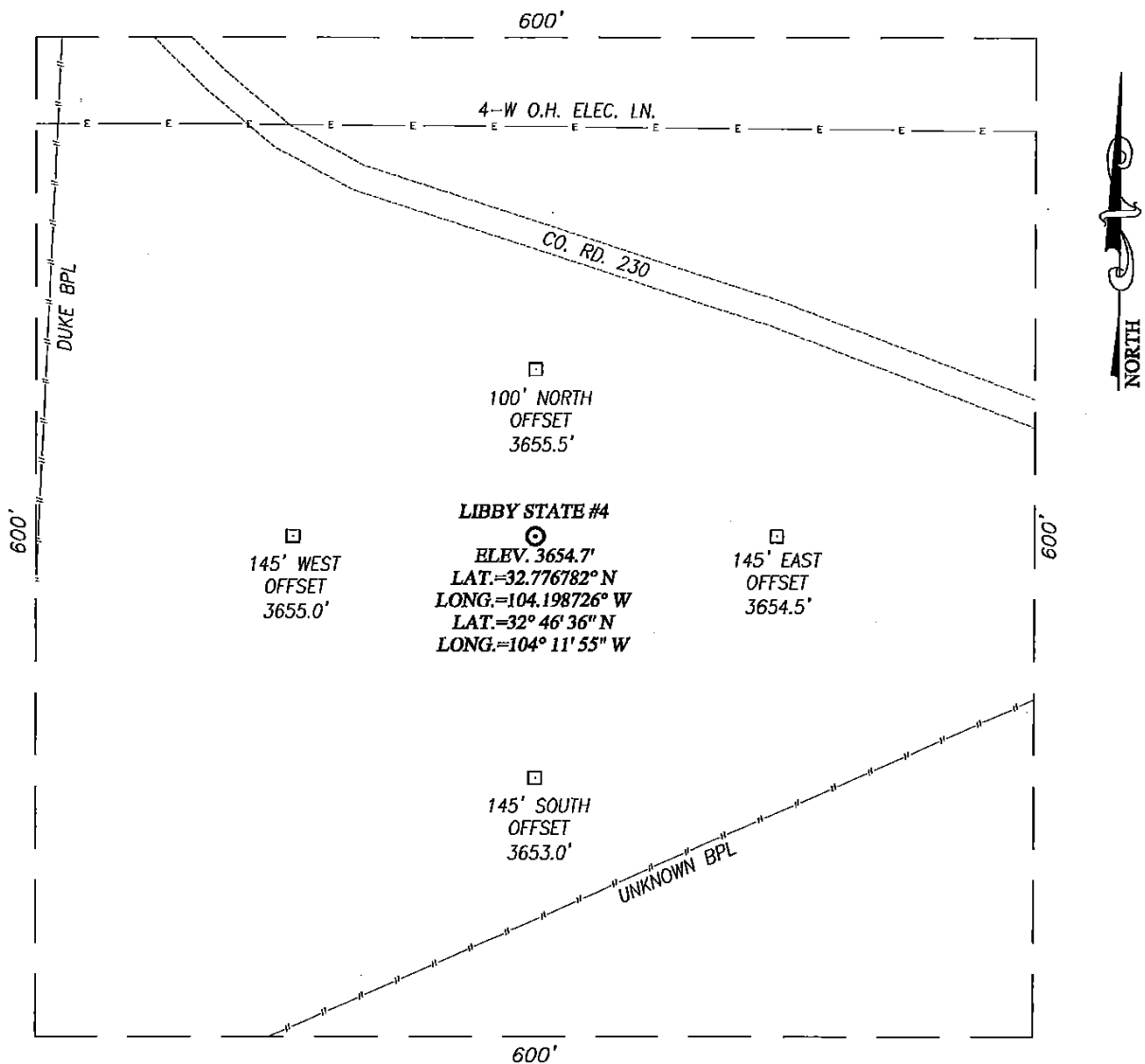
SURVEYOR CERTIFICATION

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

SEPTEMBER 13, 2013

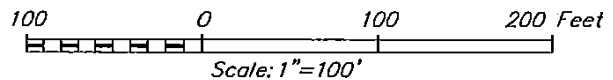
Date of Survey  
Signature & Seal of Professional Surveyor:

*Ronald J. Eidson*  
RONALD J. EIDSON  
NEW MEXICO  
3239  
39/23/2013  
Certificate Number 12641  
Ronald J. Eidson 3239  
BKL JWSC W.O.: 13.11.0942



#### DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY 82 AND CO. RD. 206 (ILLINOIS CAMP ROAD) GO SOUTH ON 206 APPROX. 1.1 MILES TO CO. RD. #230 (BOOT TOP ROAD), GO SOUTHEAST APPROX. 0.5 MILES. THE LOCATION STAKE IS APPROX. 165 FEET SOUTH.



## APACHE CORPORATION

**LIBBY STATE #4 WELL**  
**LOCATED 2455 FEET FROM THE NORTH LINE**  
**AND 2150 FEET FROM THE WEST LINE OF SECTION 5,**  
**TOWNSHIP 18 SOUTH, RANGE 28 EAST, N.M.P.M.,**  
**EDDY COUNTY, NEW MEXICO**

Survey Date: 8/28/13

CAD Date: 9/20/13

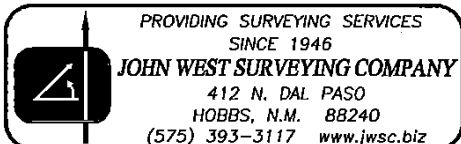
Drawn By: BKL

W.O. No.: 13110942

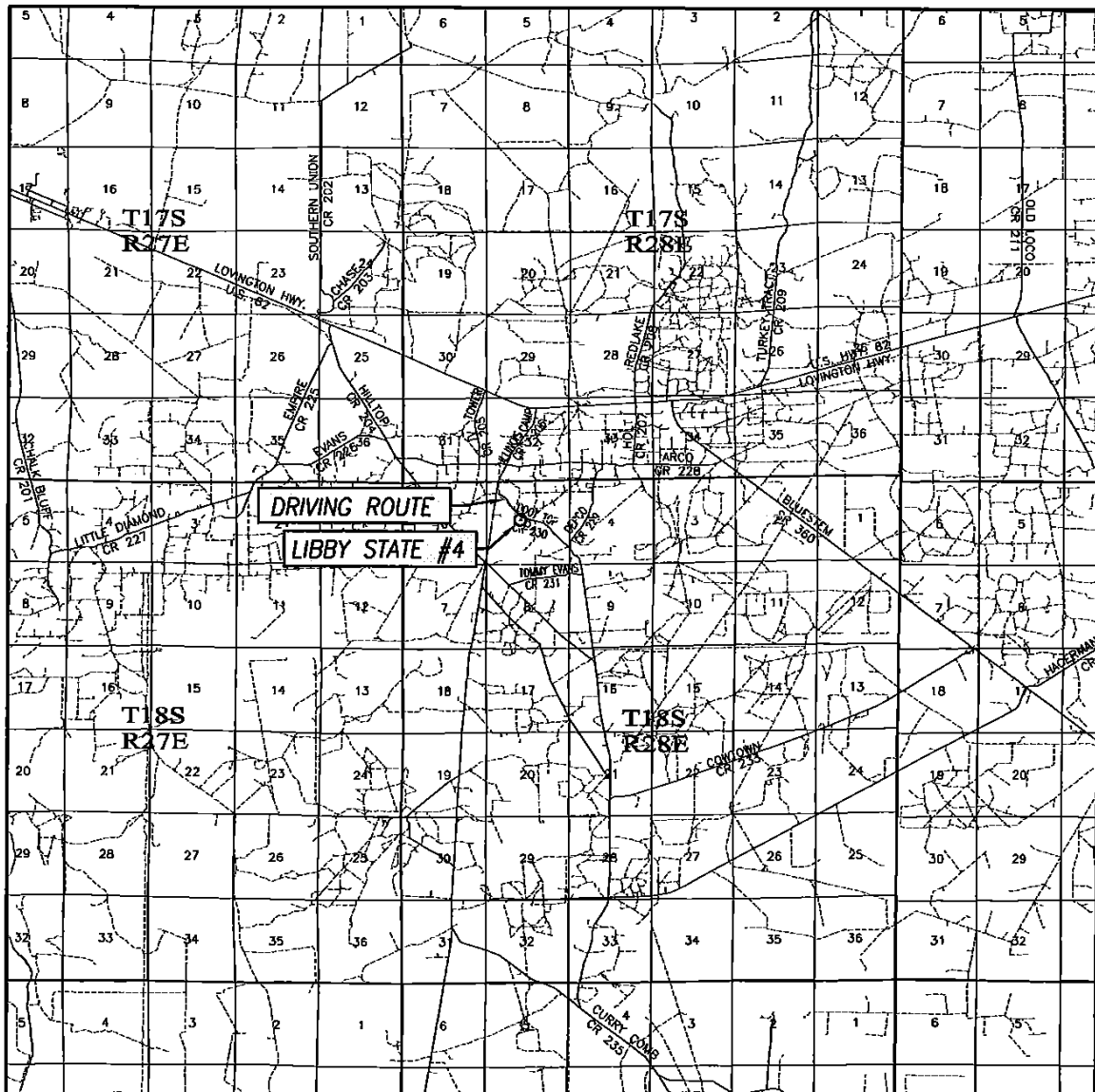
Rev: .

Rel. W.O.:

Sheet 1 of 1



# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 5 TWP. 18-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 2455' FNL & 2150' FWL

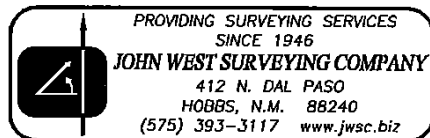
ELEVATION 3655'

OPERATOR APACHE CORPORATION

LEASE LIBBY STATE

## DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY 82 AND CO. RD. 206 (ILLINOIS CAMP ROAD) GO SOUTH ON 206 APPROX. 1.1 MILES TO CO. RD. #230 (BOOT TOP ROAD), GO SOUTHEAST APPROX. 0.5 MILES. THE LOCATION STAKE IS APPROX. 165 FEET SOUTH.



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Form APD Comments  
  
Permit 176234

**PERMIT COMMENTS**

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-015-41769
		Well: LIBBY STATE #004
Created By	Comment	Comment Date
CSHAPARD	Land s/S	10/30/2013

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Form APD Conditions  
Permit 176234

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-015-41769
		Well: LIBBY STATE #004
OCD Reviewer	Condition	
CSHAPARD	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	