

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 129 23914

Approval Date: 01/30/2014  
Expiration Date: 07/30/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 16N Rge: 25W County: ROGER MILLS  
SPOT LOCATION: SW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 250 460

Lease Name: NANCY Well No: 1-13H Well will be 250 feet from nearest unit or lease boundary.  
Operator Name: APACHE CORPORATION Telephone: 9184914900 OTC/OCC Number: 6778 0

APACHE CORPORATION  
6120 S YALE AVE STE 1500  
TULSA, OK 74136-4224

JERRY DON ALLEN TRUST  
17868 E. 780 ROAD  
CRAWFORD OK 73638

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 TONKAWA	8126	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 66170  
62838

Location Exception Orders: 620523

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13000

Ground Elevation: 2169

Surface Casing: 590

Depth to base of Treatable Water-Bearing FM: 540

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 90000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: CLOUD CHIEF

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

H. SEE MEMO

PERMIT NO: 14-26156

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000
Is depth to top of ground water greater than 10ft below base of pit? Y
Within 1 mile of municipal water well? N
Wellhead Protection Area? N
Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 13 Twp 16N Rge 25W County ROGER MILLS
Spot Location of End Point: N2 N2 NE NE
Feet From: NORTH 1/4 Section Line: 250
Feet From: EAST 1/4 Section Line: 660
Depth of Deviation: 7348
Radius of Turn: 573
Direction: 358
Total Length: 4752
Measured Total Depth: 13000
True Vertical Depth: 8271
End Point Location from Lease,
Unit, or Property Line: 250

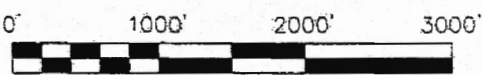
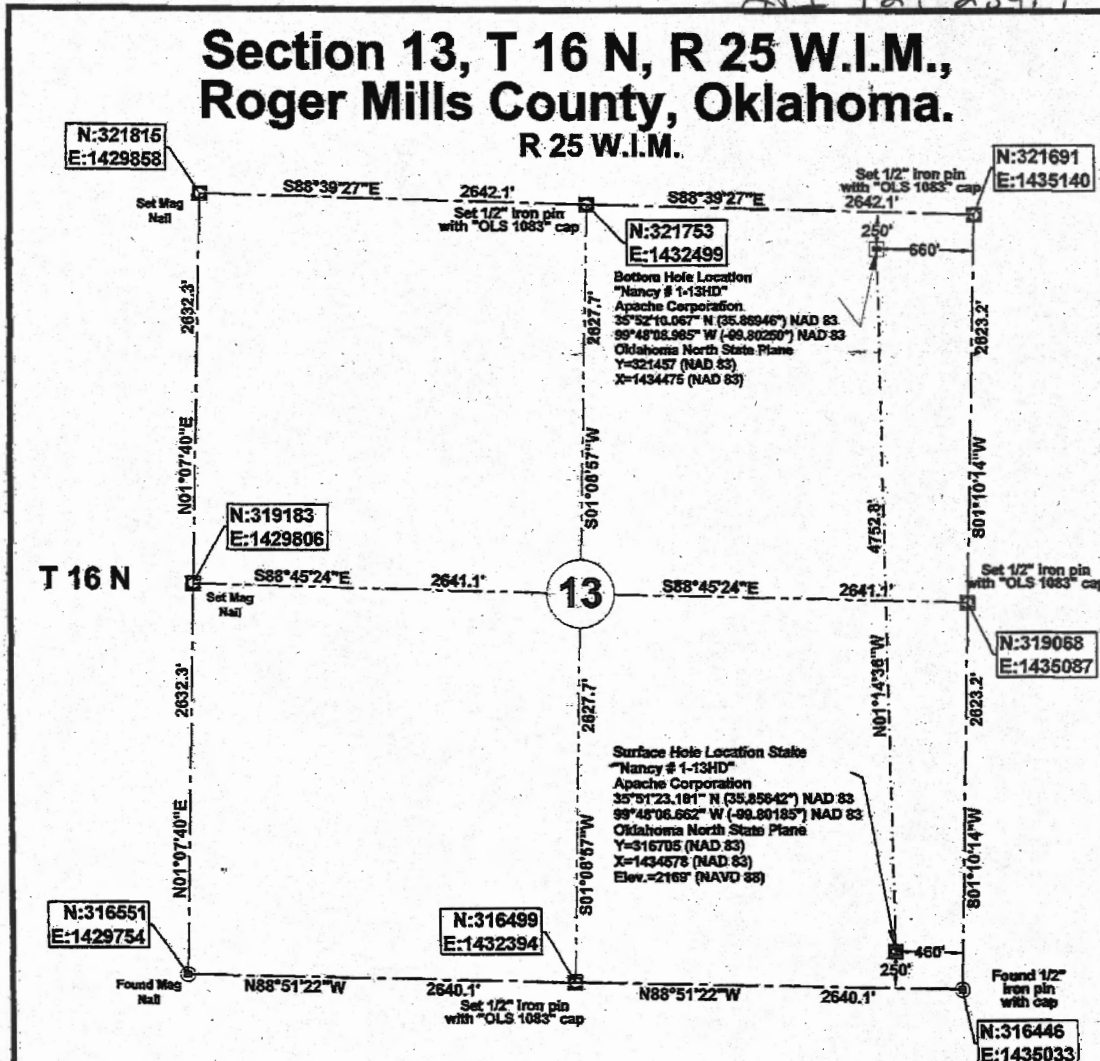
Notes:

Table with 2 columns: Category, Description. Rows include LOCATION EXCEPTION - 620523, MEMO, SPACING - 62838, and SPACING - 66170.

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

APT 129-23914

# Section 13, T 16 N, R 25 W.I.M., Roger Mills County, Oklahoma. R 25 W.I.M.



Revised T-24-2013  
Changed Survey For Information

**48 HOURS BEFORE YOU DIG...  
CALL ONE  
1-800-522-6543**

**OKLAHOMA ONE-CALL SYSTEM**

Buried utilities are not necessarily shown. It is the contractor's responsibility to locate and preserve all utility services.

Contractor is responsible for contacting all utility companies prior to construction.

We do hereby certify that this survey was done in accordance to records, maps and other information as provided to us by the client herein named and that great care was taken in the actual staking of this well and the determination of any obstacles thereupon. However, the accuracy of this survey is not guaranteed and if there appears to be any discrepancy, please notify us immediately.

**Description: Surface Hole Location Stake "Nancy # 1-13HD" situated 250 feet from the south section line and 460 feet from the east section line of Section 13, T 16 N, R 25 W.I.M., Roger Mills County, Oklahoma.**

**Description: Bottom Hole Location "Nancy # 1-13HD" situated 250 feet from the north section line and 660 feet from the east section line of Section 13, T 16 N, R 25 W.I.M., Roger Mills County, Oklahoma.**

01-24-13  
*[Signature]*  
Survey is valid only if print has original seal and signature of surveyor present

Datum: NAD 83  
Units: US Survey Feet  
North: True  
Coordinates: State Plane  
Zone: 3501  
State: Oklahoma  
Region: North

**LEGEND**

SECTION LINE  
1/4 SECTION LINE



**JVIDENS LAND SURVEY CO., INC.**  
1210 19TH STREET / P.O. BOX 943  
WOODWARD, OKLAHOMA 73802  
Phone 580-256-7174 - Fax 580-256-3424  
roger@jvidenslandsurvey.com mika@jvidenslandsurvey.com

Survey For:  
Apache Corporation  
6120 South Yale Avenue,  
Suite 1500  
Tulsa, OK 74136

JOB 038-12	DATE OF PLAT 02-03-2012	SCALE 1"=100'	SHEET 1 OF 5
DRAWN BY R.D.L.	OKLA. CA #2064, EXP. 06/30/2013 KANSAS CA #143, EXP. 12/31/2012		