

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

API NUMBER: 129 24021

Approval Date: 11/05/2014
Expiration Date: 05/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 16N Rge: 26W County: ROGER MILLS
SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 250 1355

Lease Name: RASCAL FLATS 16-16-26 Well No: 1H Well will be 250 feet from nearest unit or lease boundary.

Operator Name: APACHE CORPORATION Telephone: 9184914900; 9184914 OTC/OCC Number: 6778 0

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

HENRY PORTER JR & LUCILLE PORTER
P.O. BOX 8
DURHAM OK 73642

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

Name	Depth	Name	Depth
1 CLEVELAND	9670	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407164
201407163

Special Orders:

Total Depth: 14500 Ground Elevation: 2263 Surface Casing: 570 Depth to base of Treatable Water-Bearing FM: 520

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: 8000 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: 14-28740

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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 16 Twp 16N Rge 26W County ROGER MILLS
Spot Location of End Point: NE NE NW NW
Feet From: NORTH 1/4 Section Line: 250
Feet From: WEST 1/4 Section Line: 1200
Depth of Deviation: 9170
Radius of Turn: 370
Direction: 359
Total Length: 4748
Measured Total Depth: 14500
True Vertical Depth: 9680
End Point Location from Lease,
Unit, or Property Line: 250

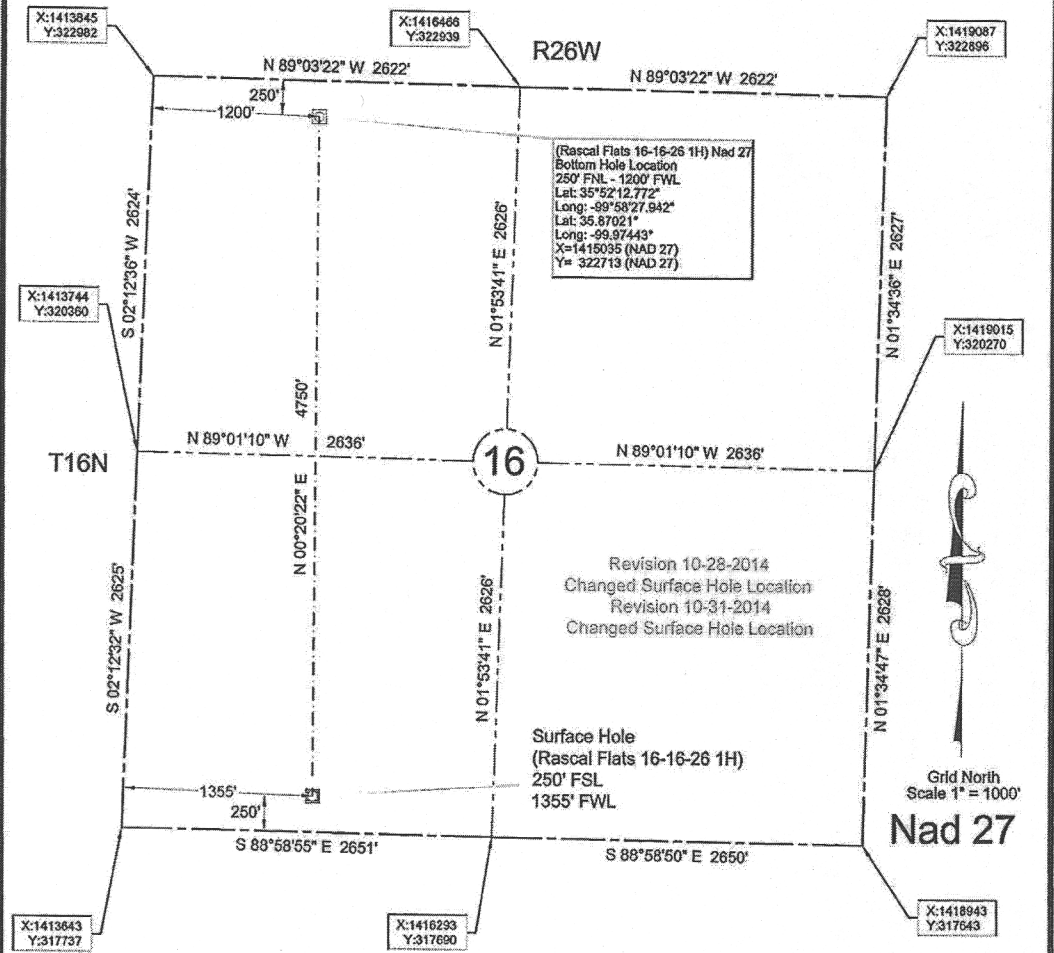
Notes:

Table with 2 columns: Category, Description. Contains notes about pit operations, pending CD numbers, and operator instructions.

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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.

129-24021

Roger Mills County, Oklahoma.
 BHL 250' FNL - 1200' FWL, Section 16, T 16 N, R 26 W.I.M.



(Rascal Flats 16-16-26 1H) Nad 27
 Bottom Hole Location
 250' FNL - 1200' FWL
 Lat: 35°52'12.772"
 Long: -99°58'27.942"
 Lat: 35.87021°
 Long: -99.97443°
 X=1415035 (NAD 27)
 Y= 322713 (NAD 27)

Revision 10-28-2014
 Changed Surface Hole Location
 Revision 10-31-2014
 Changed Surface Hole Location

Surface Hole
 (Rascal Flats 16-16-26 1H)
 250' FSL
 1355' FWL

Grid North
 Scale 1" = 1000'
 Nad 27



- Legend
- Section Line
 - - - 1/4 Section Line
 - Hard Line

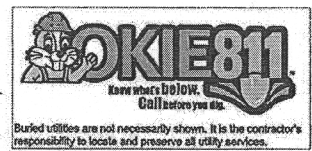
BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.
 CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.

OPERATOR: Apache Corporation WELL NO.: 1H

LEASE NAME: Rascal Flats 16-16-26

BEST ACCESSIBILITY TO LOCATION: From the South
 DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 From the Intersection of CR E0800 and CR N1710, then West on CR E0800 a distance of 0.75 miles, then North 250 feet to location stake.

ELEVATION:
 2254' Gr. at stake



REVISION: October 31, 2014 DATE OF DRAWING: October 17, 2014
 INVOICE #: 19115 DATE STAKED: October 15, 2014

STAKED SURFACE HOLE

DATUM: Nad 27
 LAT: 35°51'25.800"
 LONG: -99°58'27.110"
 LAT: 35.85717°
 LONG: -99.97420°
 STATE PLANE
 COORDINATES: (US FEET)
 ZONE: OK North
 X: 1415007
 Y: 317963

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.

McCasett
 10-31-14
 Survey is valid only if print has original seal and signature of surveyor present

JVIDENS LAND SURVEY CO., INC. 1210 19TH STREET / P.O. BOX 943 WOODWARD, OKLAHOMA 73802 Phone 580-258-7174 • Fax 580-258-3424 roger@jvidenslandsurvey.com mike@jvidenslandsurvey.com	Survey For: Apache Corporation 6120 South Yale Avenue, Ste. 1500 Tulsa, Oklahoma 74138	JOB 595-14	DATE OF PLAT 10-17-2014	SCALE 1"=1000'	SHEET 1 OF 3
	DRAWN BY D.W.K.	OKLA. CA #2064, EXP. 06/30/2015 KANSAS CA #143, EXP. 12/31/2014			