

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

API NUMBER: 129 24015 A

Approval Date: 10/15/2014  
Expiration Date: 04/15/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGED SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 15N Rge: 24W County: ROGER MILLS  
SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 300 1525

Lease Name: TANNER 22-15-24 Well No: 1H Well will be 300 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

BECKY & TANNER DAUGHERTY BY EDDIE WILSON,  
POWER OF ATTY.  
8659 N. 1810 RD.  
CRAWFORD OK 73638

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

Name	Depth	Name	Depth
1 DES MOINES GRANITE WASH	11607	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 589837 Location Exception Orders: 631758 Increased Density Orders: 632786

Pending CD Numbers: Special Orders:

Total Depth: 16500 Ground Elevation: 2264 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 630

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 BED AQUIFER  
Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28600
- H. SEE MEMO

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: OGALLALA

HORIZONTAL HOLE 1

Sec 22 Twp 15N Rge 24W County ROGER MILLS
Spot Location of End Point: N2 N2 NE NW
Feet From: NORTH 1/4 Section Line: 250
Feet From: WEST 1/4 Section Line: 1980
Depth of Deviation: 11135
Radius of Turn: 384
Direction: 6
Total Length: 4761
Measured Total Depth: 16500
True Vertical Depth: 11607
End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Table with 2 columns: Category, Description. Contains notes about casing, density, location exceptions, and spacing.

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