

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

API NUMBER: 129 23994

Approval Date: 09/04/2014

Expiration Date: 03/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 15N Rge: 24W

County: ROGER MILLS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 2615

Lease Name: DONALD 5-14-24

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

BILLIE D. REYNOLDS  
7302 WOODMONT DR.  
AMARILLO TX 79119

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

Name	Depth	Name	Depth
1 MARMATON	10478	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 146905

Location Exception Orders: 630033

Increased Density Orders: 629866

Pending CD Numbers:

Special Orders:

Total Depth: 16300

Ground Elevation: 2230

**Surface Casing: 1500**

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: 200000 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: 14-27929

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 05 Twp 14N Rge 24W County ROGER MILLS

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 300

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 10637

Radius of Turn: 573

Direction: 179

Total Length: 4763

Measured Total Depth: 16300

True Vertical Depth: 11210

End Point Location from Lease,  
Unit, or Property Line: 300

Notes:

Category

Description

DEEP SURFACE CASING

9/4/2014 - G76 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 629866

9/4/2014 - G91 - 5-14N-24W  
X 146905 MRMN  
2 WELLS  
NO OP. NAMED  
8-29-2014

LOCATION EXCEPTION - 630033

9/4/2014 - G91 - (E.O.) 5-14N-24W  
X 146905 MRMN  
SHL 250 FSL, 2615 FWL  
FIRST PERF NCT 330 FNL, NCT 2000 FWL OR FEL  
LAST PERF NCT 330 FSL, NCT 2000 FWL OR FEL  
APACHE CORPORATION  
9-3-2014

MEMO

9/4/2014 - G76 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 146905

9/4/2014 - G91 - (640) 5-14N-24W  
EST OTHERS  
EXT 112842 MRMN, OTHERS  
EXT VARIOUS/OTHERS

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129 23994 DONALD 5-14-24 1H

129-23974

