

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

API NUMBER: 129 23998

Approval Date: 09/08/2014

Expiration Date: 03/08/2015

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 2640

Lease Name: DONALD 32-15-24

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	10468	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 552559

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406053
201406054

Special Orders:

Total Depth: 15900

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: 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: 14-27974

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 32 Twp 15N Rge 24W County ROGER MILLS

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 250

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 9968

Radius of Turn: 673

Direction: 340

Total Length: 4875

Measured Total Depth: 15900

True Vertical Depth: 10641

End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Category

Description

BOTTOM HOLE LOCATION

9/8/2014 - G91 - 250 FNL, 1320 FWL NW4 PER OPERATOR

DEEP SURFACE CASING

9/8/2014 - G71 - 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

MEMO

9/8/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201406053

9/8/2014 - G91 - 32-15N-24W
X 552599 MRMN
2 WELLS
NO OP. NAMED
HEARING 9-9-2014

PENDING CD - 201406054

9/8/2014 - G91 - 32-15N-24W
X 552599 MRMN
SHL NCT 250 FNL, NCT 2640 FWL
1ST PERF NCT 300 FSL, NCT 1320 FEL OR FWL
LAST PERF NCT 300 FNL, NCT 1320 FEL OR FWL
NO OP. NAMED
REC. 9-5-2014 (MCKEOWN)

SPACING - 552599

9/8/2014 - G91 - (640) 32-15N-24W
EXT 146905 MRMN, OTHERS

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129 23998 DONALD 32-15-24 1H

129-23998

