

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

API NUMBER: 129 23938

Approval Date: 04/09/2014  
Expiration Date: 10/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 14N Rge: 24W County: ROGER MILLS  
SPOT LOCATION:  NW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 170 1355

Lease Name: FARRELL 22-14-24 Well No: 2H Well will be 170 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

DENA ROWLAN FKA FARRELL, REMAINDERMAN  
1900 SOUTH LL MALES AVENUE  
CHEYENNE OK 73628

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

Name	Depth	Name	Depth
1 MARMATON	10596	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 128051

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401786  
201401787

Special Orders:

Total Depth: 16300

Ground Elevation: 2127

**Surface Casing: 600**

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 OTHER HSA

Pit Location Formation: DOXEY

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: 14-26703

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 OTHER HSA  
 Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 22 Twp 14N Rge 24W County ROGER MILLS

Spot Location of End Point: C N2 N2 NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 10698

Radius of Turn: 573

Direction: 1

Total Length: 5095

Measured Total Depth: 16300

True Vertical Depth: 11207

End Point Location from Lease,  
 Unit, or Property Line: 330

Additional Surface Owner	Address	City, State, Zip
KAREN FARRELL LIFE ESTATE	1900 SOUTH L.L. MALES AVENUE	CHEYENNE, OK 73628
DANA BARTON FKA FARRELL, REM	1900 SOUTH L.L. MALES AVE	CHEYENNE, OK 73628
DANNY FARRELL, REMAINDERMAN	1900 SOUTH L.L. MALES AVENUE	CHEYENNE, OK 73628

Notes:

Category	Description
MEMO	3/26/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201401786	3/26/2014 - G30 - 22-14N-24W X128051 MRMN 2 WELLS NO OP. NAMED REC 4/8/14 (JOHNSON)
PENDING CD - 201401787	3/26/2014 - G30 - 22-14N-24W X128051 MRMN SHL NCT 100 FSL, NCT 100 FWL** 1ST PERF NCT 300 FSL, NCT 500 FWL LAST PERF NCT 300 FNL, NCT 500 FWL NO OP. NAMED REC 4/8/14 (JOHNSON)
SPACING - 128051	**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION 3/26/2014 - G30 - (640) 22-14N-24W DEL OTHERS EXT 125353 MRMN, OTHERS

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