

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

API NUMBER: 129 24035

Approval Date: 12/18/2014
Expiration Date: 06/18/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 14N Rge: 24W County: ROGER MILLS
SPOT LOCATION: NW NW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 1515

Lease Name: COLLIER 18-14-24 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

JUDITH ANN TRACY REVOCABLE TRUST
C/O JUDITH ANN TRACY, TRUSTEE
17901 EAST 930 ROAD
CHEYENNE OK 73628

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

Name	Depth	Name	Depth
1 MARMATON	10451	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 146905 Location Exception Orders: 629518 Increased Density Orders: 625781

Pending CD Numbers:

Special Orders:

Total Depth: 15800 Ground Elevation: 2031 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 440

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28571
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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 18 Twp 14N Rge 24W County ROGER MILLS

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 250

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 10581

Radius of Turn: 573

Direction: 184

Total Length: 4319

Measured Total Depth: 15800

True Vertical Depth: 11154

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

Notes:

Category	Description
DEEP SURFACE CASING	10/30/2014 - 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 - 625781	12/18/2014 - G76 - 18-14N-24W X146905 MRMN 2 WELLS NO OP. NAMED 5/21/2014
LOCATION EXCEPTION - 629518	12/18/2014 - G76 - (I.O.) 18-14N-24W X146905 MRMN SHL NCT 250 FNL, NCT 1320 FWL 1ST PERF NCT 300 FNL, NCT 1000 FWL LAST PERF NCT 300 FSL, NCT 1000 FWL APACHE CORPORATION 8/21/2014
MEMO	10/30/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS REQUIRED (WASHITA RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 146905	12/18/2014 - G76 - (640) 18-14N-24W EST OTHERS EXT 112842 MRMN, OTHERS EXT OTHERS

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