

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

API NUMBER: 129 23993

Approval Date: 09/04/2014

Expiration Date: 03/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 14N Rge: 24W

County: ROGER MILLS

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 2310

Lease Name: TONY 17-14-24

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

W & S TURLEY LTD
8468 N. 1750 RD.
DURHAM OK 73642

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

	Name	Depth	Name	Depth
1	MARMATON	11090	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 128051

Location Exception Orders: 625409

Increased Density Orders: 625912

Pending CD Numbers:

Special Orders:

Total Depth: 16300

Ground Elevation: 2013

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27987

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 17 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: 10683

Radius of Turn: 422

Direction: 350

Total Length: 4955

Measured Total Depth: 16300

True Vertical Depth: 11105

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

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 - 625912	9/4/2014 - G91 - 17-14N-24W X 128051 MRMN 2 WELLS NO OP. NAMED 5-23-2014
LOCATION EXCEPTION - 625409	9/4/2014 - G91 - (I.O.) 17-14N-24W X 128051 MRMN SHL NCT 250 FNL, NCT 2310 FWL FIRST PERF NCT 300 FSL, NCT 1320 FWL LAST PERF NCT 300 FNL, NCT 1320 FWL APACHE CORPORATION 5-14-2014
MEMO	9/4/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS REQUIRED (WASHITA RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 128051	9/4/2014 - G91 - (640) 17-14N-24W VAC OTHER AMD OTHER EXT 123135/125353 MRMN, OTHERS

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129 23993 TONY 17-14-24 1H