

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

API NUMBER: 129 23911

Approval Date: 01/28/2014
Expiration Date: 07/28/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 14N Rge: 24W County: ROGER MILLS
SPOT LOCATION: NW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 375 550

Lease Name: SHIRLEY 20-14-24 Well No: 2H Well will be 375 feet from nearest unit or lease boundary.
Operator Name: APACHE CORPORATION Telephone: 9184914900 OTC/OCC Number: 6778 0

APACHE CORPORATION
6120 S YALE AVE STE 1500
TULSA, OK 74136-4224

W&S TURLEY, LTD., A LIMITED PARTNERSHIP, AND
SHIRLEY TURLEY GST EXEMPT TRUST A/K/A TURLEY
RANCH
8468 N. 1750 ROAD
DURHAM OK 73642

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

Name	Depth	Name	Depth
1 MARMATON	10775	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 128051

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400113

Special Orders:

Total Depth: 16000

Ground Elevation: 2033

Surface Casing: 580

Depth to base of Treatable Water-Bearing FM: 480

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)

H. SEE MEMO

PERMIT NO: 14-26272

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 20 Twp 14N Rge 24W County ROGER MILLS

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 300

Feet From: EAST 1/4 Section Line: 600

Depth of Deviation: 9200

Radius of Turn: 573

Direction: 182

Total Length: 5347

Measured Total Depth: 16000

True Vertical Depth: 11231

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

Notes:

Category

Description

MEMO

1/24/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS REQUIRED - WASHITA RIVER, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201400113

1/28/2014 - G30 - (E.O.) 20-14N-24W
X128051 MRMN
SHL NCT 10 FSL, NCT 10 FEL 17-14N-24W
1ST PERF NCT 330 FNL, NCT 500 FEL 20-14N-24W
LAST PERF NCT 330 FSL, NCT 500 FEL 20-14N-24W
NO OP. NAMED
REC 1/21/14 (JOHNSON)

SPACING - 128051

1/28/2014 - G30 - (640) 20-14N-24W
DEL OTHERS
EXT 125353 MRMN

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