

**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 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGING FROM STEEL TO CONCRETE PITS

AMEND 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: 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: 1A
Liner required for Category: 1A
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: 14-26272
- 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 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:

Table with 2 columns: Category, Description. Contains notes about pit operations, pending CD, and spacing details.

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