

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

API NUMBER: 129 23900

Approval Date: 12/16/2013
Expiration Date: 06/16/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 16N Rge: 23W County: ROGER MILLS
SPOT LOCATION: SW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 546 2033

Lease Name: ROUNDS 28-16-23 Well No: 1H Well will be 546 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

ROUNDS SURFACE LAND FAMILY LP
159 MOCKINGBIRD LANE
LIVINGSTON TX 77351

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

Name	Depth	Name	Depth
1 TONKAWA	8328	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 208270

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307232
201307233

Special Orders:

Total Depth: 14300

Ground Elevation: 2086

Surface Casing: 700

Depth to base of Treatable Water-Bearing FM: 470

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: 8000 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 BED AQUIFER

Pit Location Formation: CLOUD CHIEF

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-26007

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 BED AQUIFER
Pit Location Formation: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 28 Twp 16N Rge 23W County ROGER MILLS
Spot Location of End Point: N2 N2 NW NE
Feet From: NORTH 1/4 Section Line: 200
Feet From: EAST 1/4 Section Line: 1980
Depth of Deviation: 7854
Radius of Turn: 573
Direction: 360
Total Length: 5591
Measured Total Depth: 14300
True Vertical Depth: 8398
End Point Location from Lease,
Unit, or Property Line: 200

Notes:

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

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