

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

API NUMBER: 129 23905

Approval Date: 12/26/2013  
Expiration Date: 06/26/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 14N Rge: 24W County: ROGER MILLS  
SPOT LOCATION:  NW  NW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 275 1170

Lease Name: **TURLEY** Well No: **2-9H** Well will be **275** feet from nearest unit or lease boundary.  
Operator Name: **SAMSON RESOURCES COMPANY** Telephone: 9185831791 OTC/OCC Number: 5415 0

SAMSON RESOURCES COMPANY  
2 W 2ND ST STE 1500  
TULSA, OK 74103-3103

WINDLE AND SUIRLEY TURLEY  
6440 NORTH CENTRAL EXP  
1000 TURLEY LAW CENTER  
DALLAS TX 75206

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

Name	Depth	Name	Depth
1 MARMATON	11310	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 218652 Location Exception Orders: 618881 Increased Density Orders: 618932

Pending CD Numbers:

Special Orders:

Total Depth: 16400 Ground Elevation: 2281 **Surface Casing: 950** Depth to base of Treatable Water-Bearing FM: 500

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: 10000 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: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-26050

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: OGALLALA

HORIZONTAL HOLE 1

Sec 09 Twp 14N Rge 24W County ROGER MILLS
Spot Location of End Point: E2 NE NW NE
Feet From: NORTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 1350
Depth of Deviation: 10900
Radius of Turn: 410
Direction: 360
Total Length: 5210
Measured Total Depth: 16400
True Vertical Depth: 11310
End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Table with 2 columns: Category, Description. Includes entries for DEEP SURFACE CASING, INCREASED DENSITY - 618932, LOCATION EXCEPTION - 618881, MEMO, and SPACING - 218652.

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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.