

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

API NUMBER: 129 23892

Approval Date: 11/14/2013  
Expiration Date: 05/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 14N Rge: 24W County: ROGER MILLS  
SPOT LOCATION: C N2 NE NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 330 1980

Lease Name: SHALLER TRUST Well No: 2-8H Well will be 330 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 TURLY AND SHIRLEY TURLEY  
6440 NORTH CENTRAL EXPRESSWAY  
1000 TURLEY LAW CENTER  
DALLAS TX 75206

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

Name	Depth	Name	Depth
1 MARMATON	11080	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 146905

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201304117

Special Orders:

Total Depth: 15588

Ground Elevation: 2120

**Surface Casing: 950**

Depth to base of Treatable Water-Bearing FM: 460

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: CLOUD CHIEF

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

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

H. SEE MEMO

PERMIT NO: 13-24784

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 08 Twp 14N Rge 24W County ROGER MILLS
Spot Location of End Point: E2 SE SW SW
Feet From: SOUTH 1/4 Section Line: 330
Feet From: WEST 1/4 Section Line: 1250
Depth of Deviation: 10700
Radius of Turn: 24
Direction: 189
Total Length: 4641
Measured Total Depth: 15588
True Vertical Depth: 11202
End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, MEMO, PENDING CD - 201304117, SPACING - 146905, and WATERSHED STRUCTURE.

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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.