

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

API NUMBER: 129 23957

Approval Date: 05/22/2014
Expiration Date: 11/22/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 14N Rge: 23W County: ROGER MILLS
SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 215 2300

Lease Name: PURVIS Well No: 4-19H Well will be 215 feet from nearest unit or lease boundary.

Operator Name: SAMSON RESOURCES COMPANY Telephone: 9185911038 OTC/OCC Number: 5415 0

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

WILLIAM H. MAXON
9402 E 253RD ST
PECULIAR MO 64078

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

Name	Depth	Name	Depth
1 MARMATON	11262	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 164250 Location Exception Orders: Increased Density Orders: 622496

Pending CD Numbers: 201402594 Special Orders:

Total Depth: 16200 Ground Elevation: 2053 Surface Casing: 760 Depth to base of Treatable Water-Bearing FM: 530

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)

PERMIT NO: 14-27183

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 19 Twp 14N Rge 23W County ROGER MILLS
Spot Location of End Point: C N2 N2 N2
Feet From: NORTH 1/4 Section Line: 330
Feet From: WEST 1/4 Section Line: 2640
Depth of Deviation: 10873
Radius of Turn: 2
Direction: 5
Total Length: 5122
Measured Total Depth: 16200
True Vertical Depth: 11262
End Point Location from Lease,
Unit, or Property Line: 330

Table with 3 columns: Additional Surface Owner, Address, City, State, Zip. Rows include ROBER H AND RUBY E MAXON and DONALD E MAXON, BY CHARLOTTE.

Notes:

Table with 2 columns: Category, Description. Rows include INCREASED DENSITY - 622496, LOCATION EXCEPTION - 625624, MEMO, SPACING - 164250, and WATERSHED STRUCTURE.

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