

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

API NUMBER: 093 24995

Approval Date: 10/24/2014
Expiration Date: 04/24/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 22N Rge: 14W County: MAJOR
SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 200 1770

Lease Name: PHILLIPS Well No: 4-27H Well will be 200 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

MICHAEL & PAMALA DAVIDSON
HC60, BOX 176
FAIRVIEW OK 73737

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	7474	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 67813 Location Exception Orders: 615463 Increased Density Orders: 631562
630287
615466
630288

Pending CD Numbers:

Special Orders:

Total Depth: 13100 Ground Elevation: 1403 **Surface Casing: 770** Depth to base of Treatable Water-Bearing FM: 520

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: 80000 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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28499

H. PIT 2 - 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3

Pit Location is NON HSA
Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 27 Twp 22N Rge 14W County MAJOR
Spot Location of End Point: SW SW SW SE
Feet From: SOUTH 1/4 Section Line: 215
Feet From: EAST 1/4 Section Line: 2583
Depth of Deviation: 6975
Radius of Turn: 729
Direction: 188
Total Length: 4980
Measured Total Depth: 13100
True Vertical Depth: 8082
End Point Location from Lease,
Unit, or Property Line: 215

Notes:

Table with 2 columns: Category and Description. Contains notes about exceptions to rule and increased density for wells in MAJOR county.

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