

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

API NUMBER: 093 24996

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 1800

Lease Name: PHILLIPS Well No: 3-27H 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: 615462 Increased Density Orders: 631562  
630286  
615466  
630288

Pending CD Numbers: Special Orders:  
Total Depth: 12800 Ground Elevation: 1406 **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.

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28498
- H. PIT 2 - 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

**Category of Pit: 2**  
**Liner not required for Category: 2**  
Pit Location is NON HSA  
Pit Location Formation: FLOWERPOT

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: 7000
Radius of Turn: 662
Direction: 188
Total Length: 4760
Measured Total Depth: 12800
True Vertical Depth: 7694
End Point Location from Lease,
Unit, or Property Line: 215

Notes:

Table with 2 columns: Category and Description. Contains notes about exceptions to rules and increased density for wells in various sections.

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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.