

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

API NUMBER: 083 24065

Approval Date: 02/08/2013
Expiration Date: 08/08/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 17N Rge: 3W

County: LOGAN

SPOT LOCATION: SE SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 2460

Lease Name: RUFFED GROUSE

Well No: 1-20H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: SLAWSON EXPLORATION CO INC

Telephone: 4052320201

OTC/OCC Number: 17313 0

SLAWSON EXPLORATION CO INC
204 N ROBINSON AVE STE 2300
OKLAHOMA CITY, OK 73102-6891

WILLA BLAKE
P.O. BOX 662
CRESCENT OK 73028

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5700	6	
2	WOODFORD	6000	7	
3			8	
4			9	
5			10	

Spacing Orders: 606746

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201207843

Special Orders:

Total Depth: 10900

Ground Elevation: 1075

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 420

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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.

HORIZONTAL HOLE 1

Sec 20 Twp 17N Rge 3W County LOGAN

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 2300

Depth of Deviation: 5300

Radius of Turn: 1000

Direction: 360

Total Length: 4029

Measured Total Depth: 10900

True Vertical Depth: 6000

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

PENDING CD - 201207843

2/8/2013 - G30 - 20-17N-3W
X201207840 MSSP, WDFD, OTHER
SHL 200 FSL, 660 FWL**
POE NCT 200 FSL, NCT 660 FWL
BHL NCT 200 FNL, NCT 660 FWL
NO OP. NAMED
REC 1/15/13 (NORRIS)

**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

SPACING - 606746

2/8/2013 - G30 - (640 HOR) 20-17N-3W
DEL 136545 MSSLM, OTHER
EXT 603529 MSSP, WDFD, OTHER
POE TO BHL (MSSP): NCT 660' FBL
POE TO BHL (WDFD): NCT 330' FBL
(SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL SPACNIG UNITS)