

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

API NUMBER: 083 24087 A

Approval Date: 03/14/2013
Expiration Date: 09/14/2013

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 18N Rge: 3W

County: LOGAN

SPOT LOCATION: NW NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 170 290

Lease Name: MCPHAIL

Well No: 2-19H

Well will be 170 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

LANE MCPHAIL
12451 W. COUNTY ROAD 75
CRESCENT OK 73028

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

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

Spacing Orders: 603920

Location Exception Orders: 607015

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11500

Ground Elevation: 1055

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 400

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 13-22836

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 19 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5563

Radius of Turn: 637

Direction: 175

Total Length: 4936

Measured Total Depth: 11500

True Vertical Depth: 6200

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

Notes:

Category

Description

LOCATION EXCEPTION - 607015

3/14/2013 - G75 - (I.O.) 19-18N-3W
X603920 MSSP, OTHERS
XOTHERS
SHL NCT 165 FSL, NCT 660 FWL **
POE NCT 165 FSL, NCT 660 FWL ++
BHL NCT 165 FNL, NCT 660 FWL ++
SLAWSON EXPLOR. CO., INC.
1-28-2013

** ITD HAS SHL AS 170 FNL, 290 FWL; TO BE RE-OPENED AND CORRECTED AT HEARING ON 4-9-2013 PER ATTORNEY FOR OPERATOR

++ OPPOSITE OF COMPL. INT. AS DEFINED BY SHL & BHL ON ITD; TO BE RE-OPENED AND CORRECTED AT HEARING ON 4-9-2013 PER ATTORNEY FOR OPERATOR

SPACING - 603920

3/14/2013 - G75 - (640/80/40) 19-18N-3W
EST (80) OTHERS
EXT (40) OTHERS W2
EXT (80) OTHERS W2
EXT (160) OTHER W2
EST (640)(HOR) MSSP, OTHERS
POE TO BHL NCT 660' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)