

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

API NUMBER: 083 24048

Approval Date: 12/06/2012
Expiration Date: 06/06/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 17N Rge: 3W

County: LOGAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 330

Lease Name: PINTAIL

Well No: 1-28H

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

RICHARD & MARGARET FORD
2009 NW 16TH STREET
RENTON WA 98056

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5700	6	
2	WOODFORD	6200	7	
3			8	
4			9	
5			10	

Spacing Orders: 603529

Location Exception Orders: 604259

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11200

Ground Elevation: 1090

Surface Casing: 420

Depth to base of Treatable Water-Bearing FM: 370

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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 28 Twp 17N Rge 3W County LOGAN

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 680

Depth of Deviation: 5130

Radius of Turn: 637

Direction: 185

Total Length: 5069

Measured Total Depth: 11200

True Vertical Depth: 6200

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

Notes:

Category

Description

LOCATION EXCEPTION - 604259

12/6/2012 - G75 - (I.O.)
X603529 MSSP, WDFD, OTHER
SHL NCT 200 FSL, NCT 330 FEL 21-17N-3W
POE NCT 200 FNL, NCT 660 FEL 28-17N-3W
BHL NCT 200 FSL, NCT 660 FEL 28-17N-3W
SLAWSON EXPLOR. CO., INC.
1-15-2012

SPACING - 603529

12/6/2012 - G75 - (640)(HOR) 28-17N-3W
VAC OTHER
VAC 54849 MSSLM
EXT 589339 MSSP, WDFD
EST OTHER
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS)