

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

API NUMBER: 083 24260

Approval Date: 02/10/2014

Expiration Date: 08/10/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 225 1350

Lease Name: MERKEL

Well No: 1-10H

Well will be 225 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

ART BRIDAL TRUST  
7750 S. COUNCIL  
CASHION OK 73016

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6020	6	
2	WOODFORD	6190	7	
3			8	
4			9	
5			10	

Spacing Orders: 616313

Location Exception Orders: 616636

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11000

Ground Elevation: 1146

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 14-26421

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 10 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 1350

Depth of Deviation: 5455

Radius of Turn: 1000

Direction: 360

Total Length: 11000

Measured Total Depth: 11000

True Vertical Depth: 6190

End Point Location from Lease,

Unit, or Property Line: 200

## Notes:

### Category

### Description

LOCATION EXCEPTION - 616636

2/10/2014 - G30 - (I.O.) 10-17N-4W  
X616313 MSSP, WDFD, OTHER  
COMP. INT. NCT 200 FNL, NCT 200 FSL, NCT 660 FWL  
SLAWSON EXPLORATIONCO., INC.  
10/4/13

SPACING - 616313

2/10/2014 - G30 - (640 HOR) 10-17N-4W  
DEL 261738 MSSLM  
EST MSSP, WDFD, OTHER  
POE TO BHL (MSSP) NCT 660' FB  
POE TO BHL (WDFD) NCT 330' FB  
(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

SURFACE CASING

2/10/2014 - G71 - MIN. 500' PER ORDERS 59052 & 66227

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083 24260 MERKEL 1-10H