

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

API NUMBER: 083 24060

Approval Date: 01/18/2013
Expiration Date: 07/18/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 2W County: LOGAN
SPOT LOCATION: NW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 350 1322

Lease Name: MCNEILL 31-19N-2W Well No: 1WH Well will be 350 feet from nearest unit or lease boundary.
Operator Name: DEVON ENERGY PRODUCTION CO LP Telephone: 4052353611 OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDIAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

ROY MCNEILL, JR.
2174 W. COUNTY ROAD 65
MULHALL OK 73063

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5448	6	
2	WOODFORD	5743	7	
3	MISENER-HUNTON	5800	8	
4			9	
5			10	

Spacing Orders: 606323

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201208177

Special Orders:

Total Depth: 10500

Ground Elevation: 1075

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 BED AQUIFER

Pit Location Formation: GARBER

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

PERMIT NO: 12-22227

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 31 Twp 19N Rge 2W County LOGAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 440

Depth of Deviation: 5068

Radius of Turn: 716

Direction: 350

Total Length: 4307

Measured Total Depth: 10500

True Vertical Depth: 5871

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

PENDING CD - 201208177

1/10/2013 - G75 - (I.O.) 31-19N-2W
X606323 MSSP, WDFD, MSRH, OTHER
FIRST PERF NCT 150 TO SL, NCT 330 TO WL
LAST PERF NCT 150 TO NL, NCT 330 TO WL
BHL NCT 0 TO NL, NCT 330 TO WL
NO OP. NAMED
REC 1-18-2013 (P. PORTER)

SPACING - 606323

1/10/2013 - G75 - (640)(HOR) 31-19N-2W
EXT 602693 MSSP, WDFD, MSRH, OTHER
POE TO BHL (WDFD) NLT 330' FB, NLT 600' FWB
POE TO BHL (OTHERS) NLT 660' FB, NLT 600' FWB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS)