

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

API NUMBER: 083 24296

Approval Date: 05/07/2014
Expiration Date: 11/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 19N Rge: 3W County: LOGAN
SPOT LOCATION: NW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 471 590

Lease Name: LEMMONS 14-19N-3W Well No: 2WH Well will be 471 feet from nearest unit or lease boundary.
Operator Name: DEVON ENERGY PRODUCTION CO LP Telephone: 4052353611; 4052353 OTC/OCC Number: 20751 0

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

STEVE AND GLENNIS PAIGE BLACK
10516 PRAIRIE LANE
OKLAHOMA CITY OK 73162

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5404	6	
2	WOODFORD	5729	7	
3	MISENER-HUNTON	5750	8	
4	SYLVAN	5789	9	
5			10	

Spacing Orders: 611316 Location Exception Orders: 621046 Increased Density Orders: 620964

Pending CD Numbers:

Special Orders:

Total Depth: 10846 Ground Elevation: 1090 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 360

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: 14-26802
H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 325000 Average: 250000

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

HORIZONTAL HOLE 1

Sec 14 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 5434

Radius of Turn: 358

Direction: 4

Total Length: 4338

Measured Total Depth: 10846

True Vertical Depth: 5789

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

Notes:

Category

Description

INCREASED DENSITY - 620964

5/7/2014 - G72 - 14-19N-3W X 611316 MSSP, WDFD;
1 WELL;
1/28/2014

LOCATION EXCEPTION - 621046

5/7/2014 - G72 - 14-19N-3W X 611316 MSSP, WDFD, MSRH, SLVN;
POE/ BHL NCT 0 FSL OR FNL NCT 330 FEL OR FWL;
1ST PERF/LAST PERF NCT 150 FNL NCT 150 FSL NCT 330 FEL OR FWL;
NO OPER NAMED;
1/29/2014

MEMO

5/5/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 -
OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT