

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

API NUMBER: 083 24298

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: 451 590

Lease Name: LEMMONS 23-19N-3W Well No: 6MH Well will be 451 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	5414	6	
2	WOODFORD	5729	7	
3			8	
4			9	
5			10	

Spacing Orders: 605895 Location Exception Orders: 621901 Increased Density Orders: 622019

Pending CD Numbers:

Special Orders:

Total Depth: 10598 Ground Elevation: 1090 **Surface Casing: 450** 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: 14-26804

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 23 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 430

Depth of Deviation: 5166

Radius of Turn: 358

Direction: 178

Total Length: 5252

Measured Total Depth: 10598

True Vertical Depth: 5729

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

Notes:

Category

Description

INCREASED DENSITY - 622019

5/7/2014 - G72 - 23-19N-3W X 605895 MSSP, WDFD;
3 WELLS;
NO OPER NAMED;
2/26/2014

LOCATION EXCEPTION - 621901

5/7/2014 - G72 - 23-19N-3W I.O. X 605895 MSSP, WDFD, MSRH, SLVN;
POE NCT O FNL NCT 330 FEL;
1ST PERF NCT 150 FNL NCT 330 FEL;
LST PERF NCT 150 FSL NCT 330 FEL;
BHL NCT O FSL NCT 330 FEL;
NO OPER NAMED;
2/24/2014

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

SPACING - 605895

5/6/2014 - G72 - (640) HORZ 23-19N-3W
EXT 601235 MSSP, WDFD, MSRH, OTHERS

POE TO BHL (MSSP, MSRH) NLT 660' FB, NCT 600' FWB

POE TO BHL (WDFD) NLT 330' FB, NCT 600' FWB

(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS)

This permit does not address the right of entry or settlement of surface damages.

083 24298 LEMMONS 23-19N-3W 6MH

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