

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

API NUMBER: 083 24289

Approval Date: 04/07/2014
Expiration Date: 10/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 19N Rge: 3W County: LOGAN
SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 310 1051

Lease Name: MEG 19-19N-3W Well No: 1WH Well will be 310 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

OWEN D. WILSON & BANK OF AMERICA, NA, CO-TRUSTEES
8101 SW 34TH AVENUE
OF THE MARY EVANS GREENSHIELD TRUST
AMARILLO TX 79109

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5500	6	
2 WOODFORD	5876	7	
3 MISENER-HUNTON	5928	8	
4		9	
5		10	

Spacing Orders: 620090

Location Exception Orders: 620794

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10676

Ground Elevation: 965

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 230

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: 50000 Average: 5000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 14-26731

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: 300000 Average: 200000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 19 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: 5538

Radius of Turn: 358

Direction: 7

Total Length: 5100

Measured Total Depth: 10676

True Vertical Depth: 6000

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

Notes:

Category

Description

DEEP SURFACE CASING

4/7/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 620794

4/7/2014 - G30 - (I.O.) 19-19N-3W
X620090 MSSP, WDFD, MSRH
POE NCT 0 FSL, NCT 330 FEL
1ST PERF NCT 150 FSL, NCT 330 FEL
LAST PERF NCT 150 FNL, NCT 330 FEL
BHL NCT 0 FNL, NCT 330 FEL
NO OP. NAMED
DEVON ENERGY PRODUCTION COMPANY
1/24/14

MEMO

4/7/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 620090

4/7/2014 - G30 - (640 HOR) 19-19N-3W
EXT 611237 MSSP, WDFD, MSRH, OTHER
POE TO BHL (MSSP, MSRH) NLT 660' FB, NCT 600' FWB
POE TO BHL (WDFD) NLT 330' FB, NCT 600' FWB
(SUPERSEDE SP. 131243 MISS)