

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

API NUMBER: 083 24144

Approval Date: 07/12/2013

Expiration Date: 01/12/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 19N Rge: 4W

County: LOGAN

SPOT LOCATION:  NW  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 350 283

Lease Name: CAIG 26-19N-4W

Well No: 1MH

Well will be 283 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 SHERIDIAN AVE DEC 34.428  
OKLAHOMA CITY, OK 73102-5010

ROBERT T. CAIG AND KAREN CAIG  
11117 SABINE VALLEY DR.  
LITTLE ROCK AR 72212

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5697	6	
2	MISENER-HUNTON	6050	7	
3	VIOLA	6075	8	
4	WOODFORD	6112	9	
5			10	

Spacing Orders: 591961  
607855

Location Exception Orders: 608394

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11342

Ground Elevation: 1022

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 340

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 BED AQUIFER

Pit Location Formation: GARBER

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

PERMIT NO: 13-23796

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 BED AQUIFER

Pit Location Formation: GARBER

HORIZONTAL HOLE 1

Sec 26 Twp 19N Rge 4W County LOGAN

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 860

Depth of Deviation: 5337

Radius of Turn: 716

Direction: 173

Total Length: 4880

Measured Total Depth: 11342

True Vertical Depth: 6112

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

Notes:

Category

Description

LOCATION EXCEPTION - 608394

7/12/2013 - G30 - (I.O.) 26-19N-4W  
X591961 MSSP, WDFD, MSRH  
X607855 VIOL  
1ST PERF NCT 150 FNL, NCT 330 FWL  
LAST PERF NCT 150 FSL, NCT 330 FWL  
DEVON ENERGY PRODUCTION COMPANY, L.P.  
3/1/13

MEMO

7/10/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 -  
OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 591961

7/12/2013 - G30 - (640 HOR) 26-19N-4W  
EST MSSP, WDFD, MSRH  
POE TO BHL (MSSP, MSRH): NLT 660' FB, NCT 600' FWB  
POE TO BHL (WDFD): NLT 330' FB, NCT 600' FWB  
(COEXIST WITH SP. 122035 MSSLM)

SPACING - 607855

7/12/2013 - G30 - (640 HOR) 26-19N-4W  
EST VIOL  
POE TO BHL: NCT 660' FB  
(COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERCEDE NON-  
DEVELOPED NON-HORIZONTAL SPACING UNITS)

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