

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

API NUMBER: 047 24881

Approval Date: 06/13/2014  
Expiration Date: 12/13/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 21N Rge: 4W County: GARFIELD  
SPOT LOCATION:  NW  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 250 277

Lease Name: H.H. WILLIAMS 12-21N-5W Well No: 1 MH Well will be 250 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

HORACE H. WILLIAMS REV. TR, U/A 3/25/1992  
3713 WILLOW LAKE LANE  
& JANICE S. WILLIAMS REV. TR, U/A 12/1/1999  
ENID OK 73703

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

	Name	Depth	Name	Depth
1	CHEROKEE	5600	6 SYLVAN	6392
2	MISSISSIPPIAN	5827	7 VIOLA	6425
3	WOODFORD	6348	8	
4	MISENER	6368	9	
5	HUNTON	6375	10	

Spacing Orders: 626236

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402771

Special Orders:

Total Depth: 11125

Ground Elevation: 1174

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 380

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: 8000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

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

PERMIT NO: 14-27384

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: 350000 Average: 275000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

HORIZONTAL HOLE 1

Sec 12 Twp 21N Rge 5W County GARFIELD

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5890

Radius of Turn: 358

Direction: 191

Total Length: 4672

Measured Total Depth: 11125

True Vertical Depth: 6425

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

Notes:

Category

Description

MEMO

6/9/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201402771

6/13/2014 - G72 - 12-21N-05W (I.O.)  
X 626236 CHRK, MSSP, WDFD, MSNR, HNTN, SLVN, VIOL;  
MSSP, WDFD, MSNR, HNTN, SLVN COMP INT. NCT 150 FNL NCT 150 FSL NCT 330 FEL;  
CHRK, VIOL COMP INT. NCT 330 FNL NCT 330 FSL NCT 330 FEL;  
NO OPER NAMED  
REC 5/13/2014 (STUCK)

SPACING - 626236

6/13/2014 - G72 - (640 HORZ) 12-21N-05W  
VAC 108648/120071 CSTR, MSSSD, MSNR, VIOL;  
EXT 605496 CHRK, MSSP, WDFD, MSNR, HNTN, SLVN, VIOL;  
WDFD & SLVN 330 FB; ALL OTHERS 660 FB;  
SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL  
DRILLING AND SPACING UNITS/ EXIST CONCURRENTLY WITH PRODUCING NON-HORIZONTAL  
DRILLING AND SPACING UNITS.