

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

API NUMBER: 083 24367 A

Approval Date: 01/27/2015  
Expiration Date: 07/27/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE HOLE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 18N Rge: 3W County: LOGAN  
SPOT LOCATION:  SW  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 435 1681

Lease Name: SCHIRO 2-18N-3W Well No: 4MH Well will be 435 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

LORRAINE S. SCHIRO  
103 MAPLE COVE  
LONG BEACH MS 39560

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5441	6	
2	WOODFORD	5722	7	
3			8	
4			9	
5			10	

Spacing Orders: 600398 Location Exception Orders: 634144 Increased Density Orders: 634431

Pending CD Numbers: Special Orders:

Total Depth: 10474 Ground Elevation: 1028 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 330

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-29179

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 02 Twp 18N 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: 400

Depth of Deviation: 5190

Radius of Turn: 358

Direction: 164

Total Length: 4722

Measured Total Depth: 10474

True Vertical Depth: 5948

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

Notes:

Category

Description

INCREASED DENSITY - 634431

1/27/2015 - G76 - 2-18N-3W  
X600398 MSSP, WDFD  
3 WELLS  
DEVON ENERGY PROD. CO., L.P.  
12/22/2014

LOCATION EXCEPTION - 634144

1/27/2015 - G76 - (I.O.) 2-18N-3W  
X600398 MSSP, WDFD  
FIRST PERF NCT 150 FNL, NCT 400 FEL  
LAST PERF NCT 150 FSL, NCT 400 FEL  
DEVON ENERGY PROD. CO., L.P.  
12/12/2014

MEMO

1/26/2015 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 600398

1/27/2015 - G76 - (640)(HOR) 2-18N-3W  
EXT 587469 MSSP, WDFD, OTHER  
EST OTHER  
POE TO BHL (MSSP, OTHERS) NLT 660' FB, NCT 600' FWB  
POE TO BHL (WDFD) NLT 330' FB, NCT 600' FWB  
(COEXIST WITH SP. 68477 MSSLM; SUPERSEDE SP. 68477 OTHER)

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.

083 24367 SCHIRO 2-18N-3W 4MH