

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

API NUMBER: 083 24369 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE THE SURFACE 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 1721

Lease Name: SCHIRO 2-18N-3W Well No: 2MH 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	5468	6	
2	WOODFORD	5759	7	
3			8	
4			9	
5			10	

Spacing Orders: 600398 Location Exception Orders: 634143 Increased Density Orders: 634431

Pending CD Numbers: Special Orders:

Total Depth: 10438 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: 14-29177
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 SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2180

Depth of Deviation: 5215

Radius of Turn: 358

Direction: 195

Total Length: 4660

Measured Total Depth: 10438

True Vertical Depth: 5759

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., LP.
12/22/2014

LOCATION EXCEPTION - 634143

1/27/2015 - G76 - (I.O.) 2-18N-3W
X600398 MSSP, WDFD
1ST PERF: NCT 150 FNL, NCT 2180 FWL
LAST PERF: NCT 150 FSL, NCT 2180 FWL
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 24369 SCHIRO 2-18N-3W 2MH