

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

API NUMBER: 083 24331

Approval Date: 09/03/2014
Expiration Date: 03/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 19N Rge: 4W County: LOGAN
SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 270 1301

Lease Name: FUXA A 25-19N-4W Well No: 2MH Well will be 270 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

JOSEPH D. AND BARBARA A. PURDUE
22900 N. HIGHWAY 74
MARSHALL OK 73056

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5672	6	
2	MISENER-HUNTON	6090	7	
3	SYLVAN	6114	8	
4	VIOLA	6210	9	
5			10	

Spacing Orders: 590650
618193
609434

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405192
201405191

Special Orders:

Total Depth: 11289 Ground Elevation: 1051 **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

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: 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

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

PERMIT NO: 14-28035

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: 325000 Average: 250000

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 25 Twp 19N Rge 4W County LOGAN

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5512

Radius of Turn: 358

Direction: 189

Total Length: 5214

Measured Total Depth: 11289

True Vertical Depth: 6210

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

Notes:

Category

Description

MEMO

8/8/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201405191

9/2/2014 - G72 - 25-19N-04W
X 590650 MSSP;
1 WELL;
NO OPER NAMED;
8/12/2014 (CANDLER)

PENDING CD - 201405192

9/2/2014 - G72 - 25-19N-4W (I.O.)
X 590650, 618193, 609434, MSSP. WDFD, MSRN*, HNTN*, SLVN, VIOL;
COMP INT.(MSSP, WDFD, MSRN, HNTN, SLVN) NCT 150 FNL NCT 150 FSL NCT 330 FWL;
COMP INT. (VIOL) NCT 330 FNL NCT 330 FSL NCT 330 FWL;
EXCEPTION TO RULE 165:10-3-28 WELL MAY BE AS CLOSE AS 500' TO AN EXISTING WELLBORE;
NO OPER NAMED;
REC 8/12/2014 (CANDLER)

*FORMATIONS WILL BE AMENDED AT THE FINAL HEARING TO BE MSRH(MISENER-HUNTON) PER ATTRONEY'S OFFICE.

SPACING - 590650

9/2/2014 - G72 - (640 HOR) 25-19N-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 (SUPERSEDE SP. 78424/122035 MSSLM & SP. 237013 MSRH)

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

083 24331 FUXA A 25-19N-4W 2MH

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.

Category	Description
SPACING - 609434	9/2/2014 - G72 - (640 HOR) 25-19N-4W EST VIOL POE TO BHL: NCT 660' FB (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERCEDE NON-DEVELOPED NON-HORIZONTAL
SPACING - 618193	9/2/2014 - G72 - (640 HORZ) 25-19N-04W EST SLVN; POE TO BHL NCT 330' FB

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.