

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

API NUMBER: 103 24688

Approval Date: 09/26/2014

Expiration Date: 03/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 21N Rge: 1E

County: NOBLE

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 300 1447

Lease Name: DIXIE 29-21N-1E

Well No: 2MH

Well will be 300 feet from nearest unit or lease boundary.

Operator Name: DEVON ENERGY PRODUCTION CO LP

Telephone: 4052353611

OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE DEC 34.428  
OKLAHOMA CITY, OK 73102-5010

MICHAEL JOHNSON, MANAGING PARTNER OF D&M  
LAND LLC  
1912 HIGHWAY 77 WEST  
PERRY OK 73077

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4922	6	
2	WOODFORD	5153	7	
3	MISENER	5200	8	
4	SYLVAN	5205	9	
5	VIOLA	5225	10	

Spacing Orders: 616802

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406342

Special Orders:

Total Depth: 10410

Ground Elevation: 1139

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 300

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 located in a Hydrologically Sensitive Area.

**Category of Pit: C**

**Liner not required for Category: C**

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

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

PERMIT NO: 14-28266

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: WELLINGTON

HORIZONTAL HOLE 1

Sec 29 Twp 21N Rge 1E County NOBLE

Spot Location of End Point: N2 NE NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 4614

Radius of Turn: 358

Direction: 8

Total Length: 5233

Measured Total Depth: 10410

True Vertical Depth: 5225

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

Notes:

Category

Description

MEMO

9/3/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD – 201406342

9/26/2014 - G72 - 29-21N-1E (I.O.)  
X 616802 MSSP, WDFD, MSNR, SLVN, VIOL;  
COMP INT. (MSSP, WDFD, MSNR, SLVN) NCT 150 FSL NCT 150 FNL NCT 660 FWL;  
COMP INT. (VIOL) NCT 330 FSL NCT 330 FNL NCT 660 FWL;  
NO OPER NAMED;  
REC 9/16/2014 (NORRIS)

SPACING - 616802

9/25/2014 - G72 - (640 HORZ/640) 29-21N-1E  
VAC 154680 MSSLM,MSNR, VIOL;  
VAC 227968 MSSLM, MSNR, VIOL;  
EST (640 VERT) OTHERS  
EXT 616206 MSSP, WDFD, MSNR, SLVN, VIOL, OTHERS;  
POE TO BHL (MSSP, MSNR, SLVN, VIOL) NCT 660' FB  
POE TO BHL (WDFD) 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.

103 24688 DIXIE 29-21N-1E 2MH