

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

API NUMBER: 103 24661

Approval Date: 05/28/2014
Expiration Date: 11/28/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 21N Rge: 1E County: NOBLE
SPOT LOCATION: SW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 368 523

Lease Name: BUD 19-21N-2E Well No: 1MH Well will be 368 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

CECIL A. GRIM
702 QUAIL CREEK
PERRY OK 73077

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

	Name	Depth	Name	Depth	
1	CHEROKEE	4051	6	VIOLA	4825
2	MISSISSIPPIAN	4520	7		
3	WOODFORD	4700	8		
4	HUNTON	4755	9		
5	SYLVAN	4800	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201403087
201403089

Special Orders:

Total Depth: 9411 Ground Elevation: 977 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 250

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: WELLINGTON

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27242
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 19 Twp 21N Rge 2E County NOBLE

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 4252

Radius of Turn: 358

Direction: 169

Total Length: 4597

Measured Total Depth: 9411

True Vertical Depth: 4825

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

Notes:

Category

Description

MEMO

5/28/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201403087

5/28/2014 - G72 - (640 HORZ) 19-21N-02E
EXT 619369 CHRK, MSSP, WDFD, HNTN, SLVN, VIOL, OTHERS;
WDFD & SLVN 330' FB, ALL OTHERS 660' FB;
SUPERSEDE EXISTING NON-DEVELOPED NON-HORIZONTAL UNITS, COEXIST W/ PRODUCING
NON-HORIZONTAL UNITS.
REC 5/20/2014 (M PORTER)

PENDING CD - 201403089

5/28/2014 - G72 - 19-21N-02E (I.O.)
X 201403087 CHRK, MSSP, WDFD, HNTN, SLVN, VIOL, OTHER;
COMP INT (MSSP,WDFD,HNTN,SLVN,OTHER) NCT 150 FNL NCT 150 FSL NCT 330 FWL;
COMP INT (CHRK,VIOL) NCT 330 FNL FSL FWL;
NO OPER NAMED;
REC 5/20/2014 (M PORTER)

WATERSHED STRUCTURE

5/28/2014 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION
WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580)
336-2003 PRIOR TO DRILLING

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