

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

API NUMBER: 083 24070

Approval Date: 02/20/2013  
Expiration Date: 08/20/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 18N Rge: 2W County: LOGAN  
SPOT LOCATION:  NW  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 340 576

Lease Name: RINGER 17-18N-2W Well No: 1MH Well will be 340 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 SHERIDIAN AVE DEC 34.428  
OKLAHOMA CITY, OK 73102-5010

KENNETH D RINGER REVOCABLE LIVING TRUST,  
KENNETH D RINGER, TRUSTEE  
21874 N. COUNCIL RD.  
EDMOND OK 73102

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5443	6	
2 WOODFORD	5723	7	
3 MISENER-HUNTON	5800	8	
4 SYLVAN	5850	9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201300467  
201300468

Special Orders:

Total Depth: 10113 Ground Elevation: 1050 **Surface Casing: 450** Depth to base of Treatable Water-Bearing FM: 290

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: 13-22415  
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 17 Twp 18N Rge 2W County LOGAN

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 800

Depth of Deviation: 4817

Radius of Turn: 716

Direction: 357

Total Length: 5941

Measured Total Depth: 10113

True Vertical Depth: 5850

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

Notes:

Category

Description

MEMO

2/20/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201300467

2/20/2013 - G30 - (640 HOR) 17-18N-2W  
EXT 600397 MSSP, WDFD, MSRH, SLVN  
(SUPERSEDE EXISTING NON-PRODUCING, NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING, NON-HORIZONTAL SPACING UNITS)  
REC 2/19/13 (LEAVITT)

PENDING CD - 201300468

2/20/2013 - G30 - 17-18N-2W  
X201300467 MSSP, WDFD, MSRH, SLVN  
POE NCT 0 TO SL, NCT 330 TO EL OR TO WL  
1ST PERF NCT 150 TO SL, NCT 330 TO EL OR WL  
LAST PERF NCT 150 TO FNL, NCT 330 TO EL OR WL  
BHL NCT 0 TO FNL, NCT 330 TO EL OR WL  
NO OP. NAMED  
REC 2/19/13 (LEAVITT)

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.