

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

API NUMBER: 119 24200

Approval Date: 03/26/2014  
Expiration Date: 09/26/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 19N Rge: 1W County: PAYNE  
SPOT LOCATION:  NE  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 385 235

Lease Name: LEACH 16-19N-1W Well No: 1WH Well will be 235 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

NIKKI G. & LAURA I. LEACH  
P.O. BOX 1006  
PERRY OK 73077

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4780	6	
2	WOODFORD	4823	7	
3	SYLVAN	4896	8	
4	VIOLA	4913	9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401235  
201401237

Special Orders:

Total Depth: 10309 Ground Elevation: 1021 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 90

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: 14-26691  
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: WELLINGTON

HORIZONTAL HOLE 1

Sec 16 Twp 19N Rge 1W County PAYNE

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: 4437

Radius of Turn: 409

Direction: 173

Total Length: 5229

Measured Total Depth: 10309

True Vertical Depth: 4913

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

Notes:

Category

Description

DEEP SURFACE CASING

3/20/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

MEMO

3/20/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, CONCRETE-LINED TRENCH PIT FOR SOIL FARMING; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201401235

3/21/2014 - G75 - (I.O.) 16-19N-1W  
VAC 174611 MSSCT, MSSLM, VIOL, OTHER  
EXT 606158 MSSP, WDFD, SLVN, OTHER  
EST VIOL  
POE TO BHL (WDFD, SLVN) NCT 330' FB  
POE TO BHL (MSSP, VIOL) NCT 660' FB  
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)  
REC 3-25-2014 (STUCK)

PENDING CD - 201401237

3/21/2014 - G75 - (I.O.) 16-19N-1W  
X201401235 MSSP, WDFD, SLVN, VIOL, OTHER  
FIRST PERF (MSSP, WDFD, SLVN) NCT 150 FNL, NCT 330 FWL  
LAST PERF (MSSP, WDFD, SLVN) NCT 150 FSL, NCT 330 FWL  
FIRST PERF (VIOL) NCT 330 FNL, NCT 330 FWL  
LAST PERF (VIOL) NCT 330 FSL, NCT 330 FWL  
NO OP. NAMED  
REC 3-25-2014 (STUCK)

SURFACE CASING

3/20/2014 - G71 - MIN. 225' PER ORDER # 23028

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.