

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

API NUMBER: 119 24214

Approval Date: 04/24/2014
Expiration Date: 10/24/2014

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: 435 235

Lease Name: LEACH 8_5-19N-1W Well No: 1WHX 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	4778	6	
2 WOODFORD	4815	7	
3 MISENER-HUNTON	4842	8	
4 SYLVAN	4886	9	
5 VIOLA	4912	10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402744
201402784
201402773
201402783

Special Orders:

Total Depth: 10578 Ground Elevation: 1018 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26689

Chlorides Max: 5000 Average: 3000

H. SEE MEMO

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

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 05 Twp 19N Rge 1W County PAYNE

Spot Location of End Point: NW NE SE SE

Feet From: SOUTH 1/4 Section Line: 1000

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 4494

Radius of Turn: 358

Direction: 358

Total Length: 5518

Measured Total Depth: 10578

True Vertical Depth: 4912

End Point Location from Lease,
Unit, or Property Line: 400

Notes:

Category

Description

DEEP SURFACE CASING

4/17/2014 - 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

4/17/2014 - 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 - 201402744

4/17/2014 - G30 - (E.O.)(640 HOR) 5-19N-1W
VAC 59288 MSNR, VIOL,
VAC 114778 MSSP
VAC 273143 MSNR, VIOL
EST MSSP, WDFD, MSRH, SLVN, VIOL
POE TO BHL (MSSP, MSRH, VIOL) NCT 660' FB
POE TO BHL (WDFD, SLVN) NCT 330' FB
(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 4/22/14 (LEAVITT)

PENDING CD - 201402773

4/17/2014 - G30 - (E.O.)(640 HOR) 8-19N-1W
VAC 59288 MSNR, VIOL (E2)
VAC 114778 MISS (ALL SEC 8)
VAC 174611 MSNR, VIOL (SW4) MSSCT, MSSLM (S2)
EST MSSP, WDFD, MSRH, SLVN, VIOL
POE TO BHL (MSSP, MSNR, VIOL) NCT 660' FB
POE TO BHL (WDFD, SLVN) NCT 330' FB
(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
REC 4/22/14 (LEAVITT)

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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
PENDING CD - 201402783	4/17/2014 - G30 - (E.O.) 5 & 8-19N-1W X201402773 MSSP, WDFD, MSRH, SLVN, VIOL (8-19N-1W) X201402774 MSSP, WDFD, MSRH, SLVN, VIOL (5-19N-1W) EST MULTIUNIT FOR HORIZONTAL WELL PER OCC 165:5-7-62 8-19N-1W (83.68%) 5-19N-1W (16.32%) NO OP. NAMED REC 4/22/14 (LEAVITT)
PENDING CD - 201402784	4/17/2014 - G30 - (E.O.) X201402773 MSSP, WDFD, MSRH, SLVN, VIOL 8-19N-1W X201402744 MSSP, WDFD, MSRH, SLVN, VIOL 5-19N-1W SHL NCT 435 FSL, NCT 235 FEL 8-19N-1W 1ST PERF NCT 150 FSL, NCT 330 FEL 8-19N-1W LAST PERF NCT 0 FNL, NCT 330 FEL 8-19N-1W 1ST PERF NCT 0 FSL, NCT 330 FEL 5-19N-1W LAST PERF NCT 1000 FSL, NCT 330 FEL 5-19N-1W NO OP. NAMED REC 4/22/14 (LEAVITT)

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