API NUMBER: 103 24616

Oil & Gas

Horizontal Hole

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

Approval Date: 12/26/2013 06/26/2014 **Expiration Date** 

PERMIT TO DRILL

WELL LOCATION: Sec: Twp: 21N Rge: 1E County: NOBLE

FEET FROM QUARTER: SPOT LOCATION: FROM SOUTH FROM EAST NW SE SE SE SECTION LINES: 350

Lease Name: H. VOISE 13-21N-1E Well No: 1WH Well will be 350 feet from nearest unit or lease boundary.

389

**DEVON ENERGY PRODUCTION CO LP** Operator OTC/OCC Number: Telephone: 4052353611 20751 0 Name:

DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE DEC 34.428

OKLAHOMA CITY. OK 73102-5010 HENRY FRED VOISE, JR

1302 14TH ST

**PERRY** OK 73077

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

Name Depth Name Depth MISSISSIPPIAN 1 4555 6 2 WOODFORD 4746 7 3 8 4 9 5 10 619235 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201307328 Special Orders:

Total Depth: 9575 Ground Elevation: 969 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 190

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids: 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?

located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C Pit Location is BED AQUIFER WELLINGTON Pit Location Formation:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-24606

H. SEE MEMO

## 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 13 Twp 21N Rge 1E County **NOBLE** NW Spot Location of End Point: N2 N2 NW Feet From: NORTH 1/4 Section Line: 50 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 4412 Radius of Turn: 358

Direction: 11
Total Length: 4601

Measured Total Depth: 9575

True Vertical Depth: 4746

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

Notes:

Category Description

DEEP SURFACE CASING 12/17/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY

OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY

CONDUCTOR OR SURFACE CASING

MEMO 12/17/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION,

CONCRETE LINED PIT FOR SOIL FARMING PER OPERATOR REQUEST, PIT 2 - OBM

RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201307328 12/26/2013 - G30 - 13-21N-1E

X201306576 MSSP, WDFD, OTHERS 1ST PERF NCT 150 FSL, NCT 330 FWL LAST PERF NCT 150 FNL, NCT 330 FWL

NO OP. NAMED

REC 11/26/13 (CANDLER)

SPACING - 619235 12/26/2013 - G30 - (640) 13-21N-1E

(HOR) EXT 614047 MSSP, WDFD, OTHERS

(HOR) EST OTHERS (VER) EST OTHERS

POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB

(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH

PRODUCING NON-HORIZONTAL SPACING UNITS)

WATERSHED STRUCTURE 12/17/2013 - 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