

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

API NUMBER: 103 24601

Approval Date: 11/12/2013
Expiration Date: 05/12/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 21N Rge: 2E County: NOBLE
SPOT LOCATION: SW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 479 347

Lease Name: BAY 31-21N-2E Well No: 1WH Well will be 347 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

BOBBE HUSTON
8300 N.W. 106TH STREET
OKLAHOMA CITY OK 73162

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4593	6	
2	WOODFORD	4782	7	
3	MISENER	4833	8	
4	SYLVAN	4838	9	
5	VIOLA	4848	10	

Spacing Orders: 284774

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201306906
201306907

Special Orders:

Total Depth: 9600 Ground Elevation: 1084 **Surface Casing: 450** Depth to base of Treatable Water-Bearing FM: 170

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: 13-24857
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 31 Twp 21N Rge 2E County NOBLE

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 4200

Radius of Turn: 716

Direction: 184

Total Length: 4044

Measured Total Depth: 9600

True Vertical Depth: 4916

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

Additional Surface Owner	Address	City, State, Zip
PATRICIA STROTHMAN	1516 HARNED	BARTLESVILLE, OK 74006

Notes:

Category	Description
DEEP SURFACE CASING	11/12/2013 - 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	11/12/2013 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201306906	11/12/2013 - G30 - (640) 31-21N-2E (HOR) EXT 612521 MSSP, WDFD, SLVN, VIOL (HOR) EXT MSNR, OTHER (VER) EST OTHERS POE TO BHL (MSSP, MSNR, VIOL) NCT 660' FB POE TO BHL (WDFD, SLVN) NCT 330' FB REC 11/5/13 (OSBURN)
PENDING CD - 201306907	11/12/2013 - G30 - 31-21N-2E X201306906 MSSP, WDFD, MSNR, SLVN, VIOL, OTHERS 1ST PERF NCT 150 FNL, NCT 330 FEL LAST PERF NCT 150 FSL, NCT 330 FEL NO OP. NAMED REC 11/5/13 (OSBURN)

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