

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

API NUMBER: 103 24612

Approval Date: 12/17/2013
Expiration Date: 06/17/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 21N Rge: 1E County: NOBLE
SPOT LOCATION: SW SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 290 296

Lease Name: BIG IRON 9-21N-1E Well No: 1WH Well will be 290 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 SHERIDAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

WALTER JAMES KEHRES
P.O. BOX 188
BRYANTOWN MD 20617

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	4680	6	
2 WOODFORD	4867	7	
3 VIOLA	4927	8	
4 SIMPSON	4950	9	
5		10	

Spacing Orders: 617306

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307754

Special Orders:

Total Depth: 10500

Ground Elevation: 998

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 200

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: 13-25071

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 09 Twp 21N Rge 1E County NOBLE

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 4180

Radius of Turn: 955

Direction: 176

Total Length: 4821

Measured Total Depth: 10500

True Vertical Depth: 5135

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 - 201307754

12/17/2013 - G30 - 9-21N-1E
X617306 MSSP, WDFD, VIOL, SMPS, OTHERS
MSSP, WDFD: 1ST PERF NCT 150 FNL, NCT 330 FWL
LAST PERF NCT 150 FSL, NCT 330 FWL
VIOL, SMPS: 1ST PERF NCT 330 FNL, NCT 330 FWL
LAST PERF NCT 330 FSL, NCT 330 FWL
NO OP. NAMED
REC 12/10/13 (OSBURN)

SPACING - 617306

12/17/2013 - G30 - (640) 9-21N-1E
(HOR) EXT 614045 MSSP, WDFD, OTHER
(VER) EST VIOL, SMPS, OTHERS
(VER) EST OTHERS
POE TO BHL (MSSP, VIOL, SMPS) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB
(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
10/23/13

This permit does not address the right of entry or settlement of surface damages.

103 24612 BIG IRON 9-21N-1E 1WH

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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.