

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

API NUMBER: 047 24836

Approval Date: 04/17/2014  
Expiration Date: 10/17/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 21N Rge: 3W County: GARFIELD  
SPOT LOCATION:  SW  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 629 270

Lease Name: CASTEEL 24\_25-21N-3W Well No: 1WHX Well will be 270 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

MARTY W. CASTEEL AND STACY M. CASTEEL  
27124 E. HWY 164  
LUCIEN OK 73757

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5251	6	
2	WOODFORD	5546	7	
3	SYLVAN	5616	8	
4	VIOLA	5616	9	
5			10	

Spacing Orders: 618529

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201402166  
201401968  
201402167

Special Orders:

Total Depth: 13482

Ground Elevation: 1162

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 180

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: GARBER

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26882

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: GARBER

HORIZONTAL HOLE 1

Sec 25 Twp 21N Rge 3W County GARFIELD

Spot Location of End Point: NE SW NW SW

Feet From: SOUTH 1/4 Section Line: 1850

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5223

Radius of Turn: 358

Direction: 179

Total Length: 7697

Measured Total Depth: 13482

True Vertical Depth: 5616

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

Notes:

Category

Description

DEEP SURFACE CASING

4/17/2014 - 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

4/17/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201401968

4/17/2014 - G30 - (640 HOR) 25-21N-3W  
VAC 157102 MISS, VIOL, OTHER  
EXT 620259 MSRH, SLVN, VIOL  
EXT 604877 MSSP  
POE TO BHL (MSSP, 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 4/8/14 (STUCK)

PENDING CD - 201402166

4/17/2014 - G30 - (E.O.) 24-21N-3W  
X618529 MSSP, WDFD, VIOL, SLVN (24-21N-3W)  
X201401968 MSSP, WDFD, VIOL, SLVN (25-21N-3W)  
EST MULTIUNIT FOR HORIZONTAL WELL PER OCC 165:5-7-62  
24-21N-3W (59%)  
25-21N-3W (41%)  
NO OP. NAMED  
REC 4/15/14 (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.

047 24836 CASTEEL 24\_25-21N-3W 1WHX

Category	Description
PENDING CD - 201402167	4/17/2014 - G30 - (E.O.) 24 & 25-21N-3W X618529 MSSP, WDFD, SLVN, VIOL (24-21N-3W) X201401968 MSSP, WDFD, SLVN, VIOL (25-21N-3W) SHL NCT 629 FNL, NCT 270 FWL 24-21N-3W MSSP, WDFD, SLVN: 1ST PERF NCT 150 FNL, NCT 330 FWL 24-21N-3W LAST PERF NCT 0 FSL, NCT 330 FWL 24-21N-3W VIOL: 1ST PERF NCT 330 FNL, NCT 330 FWL 24-21N-3W LAST PERF NCT 0 FSL, NCT 330 FWL 24-21N-3W MSSP, WDFD, SLVN: 1ST PERF NCT 0 FNL, NCT 330 FWL 25-21N-3W LAST PERF NCT 150 FSL, NCT 330 FWL 25-21N-3W VIOL: NCT 0 FNL, NCT 330 FWL 25-21N-3W LAST PERF NCT 330 FSL, NCT 330 FWL 25-21N-3W NO OP. NAMED REC 4/15/14 (LEAVITT)
SPACING - 618529	4/17/2014 - G30 - (640 HOR) 24-21N-3W EXT 601761 MSSP, WDFD EST SLVN, VIOL, OTHERS POE TO BHL (MSSP, VIOL) NCT 660' FB POE TO BHL (WDFD, SLVN) NCT 330' FB

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