

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

API NUMBER: 083 24067

Approval Date: 02/08/2013
Expiration Date: 08/08/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 19N Rge: 2W County: LOGAN
SPOT LOCATION: NW SW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 410 280

Lease Name: CLOYANN 27/34-19N-2W Well No: 1WH Well will be 280 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 SHERIDIAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

CLOYANN LETITIA FENT
4920 WEST 9TH AVENUE
STILLWATER OK 74074

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5213	6	
2	WOODFORD	5503	7	
3	MISENER-HUNTON	5563	8	
4			9	
5			10	

Spacing Orders: 602582

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201300064
201300065
201300066
201300067

Special Orders:

Total Depth: 15342 Ground Elevation: 948 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

Type of Pit System: ON SITE
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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 13-22473

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: ON SITE
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: 3
Liner required for Category: 3
Pit Location is ALLUVIAL
Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 27 Twp 19N Rge 2W County LOGAN
Spot Location of End Point: N2 N2 NW NW
Feet From: NORTH 1/4 Section Line: 50
Feet From: WEST 1/4 Section Line: 660
Depth of Deviation: 4837
Radius of Turn: 716
Direction: 2
Total Length: 9368
Measured Total Depth: 15342
True Vertical Depth: 5563
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Contains notes about DEEP SURFACE CASING, MEMO, and PENDING CD entries with detailed descriptions of well operations and locations.

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Category	Description
PENDING CD - 201300067	1/31/2013 - G30 - 34-19N-2W X201300064 MSSP, WDFD, MSRH POE NCT 0 TO SL, NCT 330 TO WL 1ST PERF NCT 150 TO SL, NCT 330 TO WL LAST PERF NCT 0 TO FNL, NCT 330 TO WL MORE LEGAL IN EASTERLY DIRECTION, 330' TOLERANCE TO WEST NO OP. NAMED REC 2/8/13 (LEAVITT)
SPACING - 602582	1/31/2013 - G30 - (640 HOR) 27-19N-2W EXT 599960 MSSP, WDFD, MSRH, OTHER POE TO BHL (WDFD): NLT 330' FB; NCT 600' FWB POE TO BHL (OTHERS): NLT 660' FB; NCT 600' FWB

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 Office of the Conservation Division as to when Surface Casing will be run.