

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

API NUMBER: 083 24336

Approval Date: 10/10/2014
Expiration Date: 04/10/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 18N Rge: 2W County: LOGAN
SPOT LOCATION: NE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 604 315

Lease Name: ACTON RANCH 29-18N-2W Well No: 2WH Well will be 315 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

ACTON RANCH, L.P., MAX A. ACTON, PARTNER
P.O. BOX 477
CRESCENT OK 73028

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

Name	Depth	Name	Depth
1 WOODFORD	5713	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 620605

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407190

Special Orders:

Total Depth: 10177

Ground Elevation: 995

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 120

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: 14-28594

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: 325000 Average: 250000

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 29 Twp 18N Rge 2W County LOGAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 5390

Radius of Turn: 358

Direction: 359

Total Length: 4225

Measured Total Depth: 10177

True Vertical Depth: 5748

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

Notes:

Category

Description

DEEP SURFACE CASING

10/7/2014 - G76 - 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

10/7/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 20407190

10/9/2014 - G72 - 29-18N-02W (E.O.)
X 620605 WDFD, OTHERS,
COMP INT. NCT 150 FNL NCT 150 SL NCT 330 FEL,
NO OPER NAMED,
REC 10/7/2014 (LEAVITT)

SPACING - 620605

10/9/2014 - G72 - (640 HORZ) 29-18N-02W
EXT 612016 WDFD, OTHERS,
POE TO BHL NLT 330' FB,
SUPERSEDE OTHERS
COEXIST OTHERS

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