

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

API NUMBER: 017 24682

Approval Date: 05/07/2014

Expiration Date: 11/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 11N Rge: 8W

County: CANADIAN

SPOT LOCATION: N2 N2 NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 290 660

Lease Name: HOFMANN 4-11N-8W

Well No: 1H

Well will be 290 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

JOHN D. VON TUNGELN
200 W. PARKLAND DR.
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	HOXBAR	8543	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 86235

Location Exception Orders: 624863

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13243

Ground Elevation: 1403

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 400

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

HORIZONTAL HOLE 1

Sec 04 Twp 11N Rge 8W County CANADIAN

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 230

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7990

Radius of Turn: 573

Direction: 180

Total Length: 4353

Measured Total Depth: 13243

True Vertical Depth: 8584

End Point Location from Lease,
Unit, or Property Line: 230

Notes:

Category

Description

DEEP SURFACE CASING

4/18/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 624863

5/6/2014 - G75 - (E.O.) 4-11N-8W
X86235 HXBR
SHL NCT 290 FNL, NCT 600 FWL
FIRST PERF NCT 330 FNL, NCT 330 FWL
LAST PERF NCT 330 FSL, NCT 330 FWL
DEVON ENERGY PROD. CO., L.P.
5-5-2014

MEMO

4/18/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, CONCRETE-LINED TRENCH PIT FOR SOIL FARMING; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 86235

5/6/2014 - G75 - (640) 4-11N-8W
EST HXBR, OTHERS