

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

API NUMBER: 083 24034

Approval Date: 11/07/2012
Expiration Date: 05/07/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 19N Rge: 2W County: LOGAN
SPOT LOCATION: NW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 403 392

Lease Name: REUPERT Well No: 1-20MH Well will be 392 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

MONA JOY REUPERT
5950 EAST COUNTY ROAD 74
GUTHRIE OK 73044

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5200	6	
2	WOODFORD	5450	7	
3	MISENER-HUNTON	5500	8	
4	SYLVAN	5525	9	
5			10	

Spacing Orders: 600332

Location Exception Orders: 603191

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9764

Ground Elevation: 1022

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 160

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: 12-21743

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 20 Twp 19N Rge 2W County LOGAN

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 4519

Radius of Turn: 716

Direction: 357

Total Length: 5644

Measured Total Depth: 9764

True Vertical Depth: 5525

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

Additional Surface Owner	Address	City, State, Zip
MONA JOY REUPERT	5950 EAST COUNTY ROAD 74	GUTHRIE, OK 73044
DARRELL HOWARD	20605 N. PINE	MULHALL, OK 73063

Notes:

Category	Description
DEEP SURFACE CASING	11/6/2012 - 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
LOCATION EXCEPTION - 603191	11/7/2012 - G30 - (I.O.) 20-19N-2W X600332 MSSP, SLVN, WDFD, MSRH POE NCT 0 FSL, NCT 330 FEL 1ST PERF NCT 150 FSL, NCT 330 FEL LAT PERF NCT 150 FNL, NCT 330 FEL BHL NCT 0 FNL, NCT 330 FWL DEVON ENERGY PRODUCTIONCO, LP 10/16/12
PITS 1 & 2	11/6/2012 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 600332	11/7/2012 - G30 - (640 HOR) 20-19N-2W EXT 587144 MSSP, WDFD, MSRH, SLVN (SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL SPACING)

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