

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

API NUMBER: 083 24277

Approval Date: 03/18/2014

Expiration Date: 09/18/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 19N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 650 2580

Lease Name: WAR WAGON 1-18N-3W

Well No: 4WH

Well will be 650 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

COMMISSIONERS OF THE LAND OFFICE, STATE OF
OKLAHOMA
120 N ROBINSON, SUITE 1000
C/O PHILOMENA MUNDELL
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5477	6	
2	WOODFORD	5774	7	
3	MISENER-HUNTON	5849	8	
4			9	
5			10	

Spacing Orders: 587469

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400867
201401161

Special Orders:

Total Depth: 11283

Ground Elevation: 1090

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 320

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: 14-26391

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 01 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5530

Radius of Turn: 358

Direction: 186

Total Length: 5200

Measured Total Depth: 11283

True Vertical Depth: 5849

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

Notes:

Category

Description

MEMO

2/12/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION,
CONCRETE LINED PIT FOR SOIL FARMING PER OPERATOR REQUEST, PIT 2 - OBM
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201400867

2/13/2014 - G30 - 1-18N-3W
X587469 MSSP, WDFD, MSRH
COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 990 FWL
NO OP NAMED
REC 3/6/14 (LEAVITT)

PENDING CD - 201401161

3/18/2014 - G30 - 1-18N-3W
X587469 MSSP
2 WELLS
NO OP. NAMED
HEARING 3/31/14

SPACING - 587469

2/13/2014 - G30 - (640 HOR) 1-18N-3W
EST MSSP, WDFD, MSRH
POE TO BHL (MSSP, MSNR) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB
(SUPERSEDE SP. 70107/167367 MSSLM, MSNR)

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

083 24277 WAR WAGON 1-18N-3W 4WH

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