

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

API NUMBER: 083 24266 A

Approval Date: 02/18/2014  
Expiration Date: 08/18/2014

Horizontal Hole Oil & Gas

Amend reason: TO ADD NEW ID CD 201401592 (MISSISSIPPIAN).  
AND TO ADD MISSISSIPPIAN FORMATION TO PERMIT.

AMEND 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 2560

Lease Name: WAR WAGON 36-19N-3W Well No: 5WH 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	5475	6	
2 WOODFORD	5772	7	
3 MISENER-HUNTON	5825	8	
4 SYLVAN	5850	9	
5		10	

Spacing Orders: 605775

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400868  
201401592

Special Orders:

Total Depth: 11343

Ground Elevation: 1088

**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)  
H. SEE MEMO

PERMIT NO: 14-26390

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 36 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 16

Depth of Deviation: 5580

Radius of Turn: 358

Direction: 359

Total Length: 5200

Measured Total Depth: 11343

True Vertical Depth: 5850

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 - 201400868

2/12/2014 - G30 - (E.O.) 36-19N-3W  
X605775/609137 MSSP, WDFD, MSRH, SLVN  
COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 1320 FEL, NCT 1320 FWL  
NO OP. NAMED  
REC 2/14/14 (NORRIS)

PENDING CD - 201401592

3/24/2014 - G30 - 36-19N-3W  
X605775/609137 MSSP  
1 WELL  
NO OP. NAMED  
HEARING 3/31/14

SPACING - 605775

2/12/2014 - G30 - (640 HOR) 36-19N-3W  
EXT 601237 MSSP, WDFD, SLVN, MSRH  
COMP. INT. (MSSP, MSRH, SLVN) NLT 660' FB, NCT 600' FWB  
COMP. INT. (WDFD) NLT 330' FB, NCT 600' FWB  
(SUPERCEDE SP. 71474 MISS)

SPACING - 609137

2/12/2014 - G30 - NPT 605775 TO CORRECT SP. ORDER 71472 MISS IS SUPERSEDED

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.

083 24266 WAR WAGON 36-19N-3W 5WH