

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

API NUMBER: 149 21700 A

Approval Date: 05/22/2014
Expiration Date: 11/22/2014

Horizontal Hole Oil & Gas

Amend reason: ADD 2ND PIT INFORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 11N Rge: 14W County: WASHITA
SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 200 1492

Lease Name: **WIELAND** Well No: **1-14PH** Well will be **200** feet from nearest unit or lease boundary.
Operator Name: **UNIT PETROLEUM COMPANY** Telephone: 9184937700; 9184937 OTC/OCC Number: 16711 0

UNIT PETROLEUM COMPANY
PO BOX 702500
TULSA, OK 74170-2500

GENELL WIELAND, TRUSTEE
CHARLES J. WIELAND, TRUSTEE
BOX 98
HYDRO OK 73048

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

Name	Depth	Name	Depth
1 WADE	8176	6 DEESE 2	11153
2 MARCHAND	9319	7	
3 CULP	10445	8	
4 MELTON	10637	9	
5 DEESE 1	10898	10	

Spacing Orders: 207278
118853
104891

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201403283

Special Orders:

Total Depth: 15000 Ground Elevation: 1598 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 450

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: Yes Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 20000 Average: 6000

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: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27193

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 14 Twp 11N Rge 14W County WASHITA

Spot Location of End Point: W2 NW NE NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1492

Depth of Deviation: 5500

Radius of Turn: 740

Direction: 360

Total Length: 4500

Measured Total Depth: 15000

True Vertical Depth: 11153

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

5/19/2014 - 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

MEMO

6/12/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201403283

5/20/2014 - G72 - 14-11N-14W (E.O.)
X 207278 WADE, MDRN;
X 104891 CULP, MLTN, DEESS1, DEESS2;
X 118853 MRCD;
SHL 200 FSL 1492 FWL;
COMP INT. NCT 330 FSL NCT 330 FNL NCT 1320 FWL;
NO OPER NAMED;
REC 5/13/2014 (MCKEOWN)

SPACING 118853

5/20/2014 - G72 - (640) 14-11N-14W
EST MRCD

SPACING - 104891

5/20/2014 - G72 - (640) 14-11N-14W
EST CGGV,LYTN, CULP, MLTN, DEESS1, DEESS2, OTHERS;

SPACING - 207278

5/20/2014 - G72 - (640) 14-11N-14W
EST WADE, MDRN, OTHERS;
EXT OTHERS;

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