

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

API NUMBER: 117 23534 A

Approval Date: 05/02/2013
Expiration Date: 11/02/2013

Horizontal Hole Oil & Gas

Amend reason: CORRERCT LEASE SIZE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 20N Rge: 6E

County: PAWNEE

SPOT LOCATION: NW NE SE SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1110 2095

Lease Name: HARRINGTON

Well No: 2-H

Well will be 545 feet from nearest unit or lease boundary.

Operator Name: TRU OPERATING LLC

Telephone: 9402022319

OTC/OCC Number: 22709 0

TRU OPERATING LLC
5101 E UNIVERSITY DR STE 617
DENTON, TX 76208-1417

BRENDA ROLLAND
506 CLEVELAND
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 WOODFORD	3485	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6954

Ground Elevation: 985

Surface Casing: 330

Depth to base of Treatable Water-Bearing FM: 280

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: VANOSS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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.

HORIZONTAL HOLE 1

Sec 06 Twp 20N Rge 6E County PAWNEE

Spot Location of End Point: W2 NE NE NE

Feet From: SOUTH 1/4 Section Line: 2310

Feet From: WEST 1/4 Section Line: 2095

Depth of Deviation: 2731

Radius of Turn: 754

Direction: 360

Total Length: 3469

Measured Total Depth: 6954

True Vertical Depth: 3485

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

Notes:

Category

Description

SPACING

5/2/2013 - G30 - FORMATION UNSPACED, 640 ACRE LEASE ALL 6-20N-6E