

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

API NUMBER: 007 25624

Approval Date: 07/10/2013

Expiration Date: 01/10/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 2N Rge: 21ECM County: BEAVER

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 880

Lease Name: OLLENBERGER Well No: 1-34H 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

P.O. Box 702500

TULSA, OK 74170-2500

VERNON & DEL RAY OLLENBERGER

ROUTE 1, BOX 14

BALKO OK 73931-

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

	Name	Depth	Name	Depth
1	DOUGLAS	4970	6	
2	LANSING-KANSAS CITY	5066	7	
3	MARMATON	6121	8	
4			9	
5			10	

Spacing Orders: 613010

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201303933

Special Orders:

Total Depth: 11313

Ground Elevation: 2904

**Surface Casing: 1995**

Depth to base of Treatable Water-Bearing FM: 410

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

**PIT 1 INFORMATION**

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 20000 Average: 5000

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: 1B**

**Liner required for Category: 1B**

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-23549

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.

# HORIZONTAL HOLE 1

Sec 34 Twp 2N Rge 21E County BEAVER

Spot Location of End Point: E2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1000

Depth of Deviation: 5500

Radius of Turn: 740

Direction: 360

Total Length: 4500

Measured Total Depth: 11313

True Vertical Depth: 6373

End Point Location from Lease,

Unit, or Property Line: 330

## Notes:

### Category

### Description

DEEP SURFACE CASING

7/8/2013 - 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

7/8/2013 - G71 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, 20 MIL LINED GEOMEMBRANE TRENCH PIT FOR SOIL FARMING

PENDING CD - 201303933

7/10/2013 - G30 - 34-2N-21ECM  
X201303455 DGLS, LGKC, MRMN  
SHL NCT 50 FSL, NCT 50 FEL 28-2N-21ECM  
COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 660 FWL 34-2N-21ECM  
NO OP. NAMED  
REC 7/8/13 (JOHNSON)

SPACING - 613010

7/10/2013 - G30 - (640 HOR) 34-2N-21ECM  
EXT 599149 DGLS, LGKC  
EXT 611634 MRMN  
POE TO BHL: NLT 660' FB

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

007 25624 OLLENBERGER 1-34H

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.