

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

API NUMBER: 051 23982 A

Approval Date: 08/27/2015
Expiration Date: 02/27/2016

Horizontal Hole Oil & Gas

Amend reason: ADD OIL-BASED MUD SYSTEM

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 6N Rge: 8W

County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 305 617

Lease Name: HIRAM

Well No: 2-13H

Well will be 305 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

MARY ELLEN THOMAS, TRUSTEE
3233 SOUTH 16TH
CHICKASHA OK 73018

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

Name	Depth	Name	Depth
1 HOXBAR	9340	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 624551

Location Exception Orders: 640972

Increased Density Orders: 640586

Pending CD Numbers:

Special Orders:

Total Depth: 14555

Ground Elevation: 1215

Surface Casing: 1985

Depth to base of Treatable Water-Bearing FM: 690

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: MARLOW

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

PERMIT NO: 15-30133

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: MARLOW

HORIZONTAL HOLE 1

Sec 13 Twp 6N Rge 8W County GRADY

Spot Location of End Point: W2 NE NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1900

Depth of Deviation: 8862

Radius of Turn: 479

Direction: 345

Total Length: 4940

Measured Total Depth: 14555

True Vertical Depth: 9340

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

Additional Surface Owner	Address	City, State, Zip
MARY ELLEN THOMAS, TRUSTEE	3233 S. 16TH	CHICKASHA, OK 73018

Notes:

Category

Description

DEEP SURFACE CASING

8/24/2015 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/1/2015 - G75 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INCREASED DENSITY - 640586

8/25/2015 - G75 - 13-6N-8W
X624551 HXBR
3 WELLS
UNIT PETRO. CO.
5-12-2015

LOCATION EXCEPTION - 640972

8/25/2015 - G75 - (I.O.)
X624551 HXBR
SHL NCT 305 FNL, NCT 632 FEL 24-6N-8W **
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 660 FEL 13-6N-8W
UNIT PETRO. CO.
5-21-2015

** ITD HAS SHL AS 617 FEL 24-6N-8W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

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

051 23982 HIRAM 2-13H

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.

Category	Description
MEMO	9/1/2015 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 624551	8/25/2015 - G75 - (640)(HOR) 13-6N-8W VAC 237416 MRCD NE4, S2 VAC 237416 OLTC, YULE, WADE, HDLD, MDRN, CLPM EST HXBR COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 237416 MRCD NW4)