

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

API NUMBER: 139 24594 A

Approval Date: 04/10/2014
Expiration Date: 10/10/2014

Horizontal Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 11 Twp: 1N Rge: 19ECM County: TEXAS

SPOT LOCATION: NE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 416 286

Lease Name: HERM Well No: 1-11H Well will be 286 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

WANDA NIEDENS HERM & HOWARD D. HERM
2910 BAGARRY
AMARILLO TX 79103

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

	Name	Depth	Name	Depth
1	DOUGLAS	4750	6	
2	LANSING-KANSAS CITY	4950	7	
3	MARMATON	5800	8	
4			9	
5			10	

Spacing Orders: 617236

Location Exception Orders: 618681

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10537

Ground Elevation: 2782

Surface Casing: 1985 IP

Depth to base of Treatable Water-Bearing FM: 610

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: 13-24352

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 11 Twp 1N Rge 19E County TEXAS

Spot Location of End Point: E2 NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 760

Depth of Deviation: 5500

Radius of Turn: 740

Direction: 360

Total Length: 4500

Measured Total Depth: 10543

True Vertical Depth: 5977

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

Notes:

Category	Description
DEEP SURFACE CASING	9/16/2013 - 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
LOCATION EXCEPTION - 618681	4/10/2014 - G30 - (I.O.) 11-1N-19ECM X617236 DGLS, LGKC, MRMN SHL NCT 150 FSL, NCT 150 FEL COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 660 FEL UNIT PETROLEUM COMPANY 12/3/13
MEMO	9/16/2013 - G71 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, 20 MIL LINED GEOMEMBRANE TRENCH PIT FOR SOIL FARMING
SPACING - 617236	4/10/2014 - G30 - (640 HOR) 11-1N-19ECM EST DGLS, LGKC, MRMN COMP. INT. NLT 660' FB

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