

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

API NUMBER: 083 24018

Approval Date: 09/06/2012
Expiration Date: 03/06/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 19N Rge: 3W

County: LOGAN

SPOT LOCATION: SW SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 960

Lease Name: VICE

Well No: 2-4MH

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: KIRKPATRICK OIL COMPANY INC

Telephone: 4058402882

OTC/OCC Number: 19792 0

KIRKPATRICK OIL COMPANY INC
1001 W WILSHIRE BLVD STE 202
OKLAHOMA CITY, OK 73116-7025

KENNETH R. VICE & CAROLYN K. VICE
13209 OAKCLIFF ROAD
OKLAHOMA CITY OK 73120

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5340	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 591552

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9400

Ground Elevation: 1058

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 6000 Average: 2000

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: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 12-21223

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 04 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: NW SE NW NW

Feet From: SOUTH 1/4 Section Line: 1880

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 4620

Radius of Turn: 720

Direction: 356

Total Length: 3649

Measured Total Depth: 9400

True Vertical Depth: 5406

End Point Location from Lease,
Unit, or Property Line: 700

Notes:

Category

Description

POINT OF ENTRY

9/6/2012 - G75 - GREATER THAN 660' FROM UNIT BOUNDARY PER OPERATOR

SPACING - 591552

9/6/2012 - G75 - (640)(HOR) 4-19N-3W
EST MSSP, OTHERS
POE TO BHL NLT 660' FB, NCT 600' FWB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS, MSSLM, SE4)