

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

API NUMBER: 007 25653

Approval Date: 01/06/2014
Expiration Date: 07/06/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 2N Rge: 20ECM County: BEAVER

SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 280 1351

Lease Name: HARRISON Well No: 1-19H Well will be 280 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

DAVID LESLIE HARRISON
ROUTE 1, BOX 76
TYRONE OK 73951

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

	Name	Depth	Name	Depth
1	DOUGLAS	4650	6	
2	LANSING-KANSAS CITY	4750	7	
3	MARMATON	5650	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307669
201307668

Special Orders:

Total Depth: 10388

Ground Elevation: 2693

Surface Casing: 1995

Depth to base of Treatable Water-Bearing FM: 460

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: PERMIAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-26053
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 19 Twp 2N Rge 20E County BEAVER

Spot Location of End Point: E2 NE NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1351

Depth of Deviation: 5500

Radius of Turn: 740

Direction: 360

Total Length: 4500

Measured Total Depth: 10388

True Vertical Depth: 5754

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

Notes:

Category	Description
DEEP SURFACE CASING	1/2/2014 - 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
PENDING CD - 201307668	1/6/2014 - G30 - (640 HOR) 19-2N-20ECM EST DGLS, LGKC, MRMN VAC 76178 MRMN POE TO BHL NCT 660' FB NO OP. NAMED REC 12/30/13 (MCKEOWN)
PENDING CD - 201307669	1/6/2014 - G30 - 19-2N-20ECM X201307668 DGLS, LGKC, MRMN COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 660 FEL NO OP. NAMED REC 12/30/13 (MCKEOWN)

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