

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

API NUMBER: 117 23589

Approval Date: 03/25/2014
Expiration Date: 09/25/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 22N Rge: 5E

County: PAWNEE

SPOT LOCATION: C NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 660 660

Lease Name: LENTZ

Well No: 1-7H

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: CUMMINGS OIL COMPANY

Telephone: 4059481818; 4059481

OTC/OCC Number: 5481 0

CUMMINGS OIL COMPANY
5400 NW GRAND BLVD STE 100
OKLAHOMA CITY, OK 73112-6113

JARED LENTZ
42551 S. 34800 ROAD
PAWNEE OK 74058

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

Name	Depth	Name	Depth
1 MISSISSIPPI	3470	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 620740

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401029

Special Orders:

Total Depth: 8110

Ground Elevation: 939

Surface Casing: 310

Depth to base of Treatable Water-Bearing FM: 110

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: OSCAR

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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 07 Twp 22N Rge 5E County PAWNEE

Spot Location of End Point: W2 E2 NW NW

Feet From: NORTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 780

Depth of Deviation: 3000

Radius of Turn: 620

Direction: 5

Total Length: 4136

Measured Total Depth: 8110

True Vertical Depth: 3620

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category

Description

PENDING CD - 201401029

3/25/2014 - G75 - (I.O.) 7-22N-5E
X620740 MISS, OTHER
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 660 FWL
NO OP. NAMED
REC 3-10-2014 (LEAVITT)

SPACING - 620740

3/25/2014 - G75 - (640)(HOR) 7-22N-5E
EXT 612938 MISS, OTHERS
POE TO BHL NLT 660' FB