

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

API NUMBER: 117 23524

Approval Date: 03/28/2013
Expiration Date: 09/28/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 22N Rge: 4E

County: PAWNEE

SPOT LOCATION: SE SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 800

Lease Name: BLASER

Well No: 1-10H

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

Operator Name: CUMMINGS OIL COMPANY

Telephone: 4059481818

OTC/OCC Number: 5481 0

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

MOONENE BLASER
1406 WESTWOOD RD
ENID OK 73701

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	3550	6
2			7
3			8
4			9
5			10

Spacing Orders: 608091

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201301519

Special Orders:

Total Depth: 7850

Ground Elevation: 981

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 230

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 10 Twp 22N Rge 4E County PAWNEE

Spot Location of End Point: E2 W2 NE NE

Feet From: NORTH 1/4 Section Line: 660

Feet From: EAST 1/4 Section Line: 800

Depth of Deviation: 3000

Radius of Turn: 900

Direction: 360

Total Length: 3572

Measured Total Depth: 7850

True Vertical Depth: 3650

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

Notes:

Category

Description

PENDING CD - 201301519

3/26/2013 - G30 - E2 10-22N-4E
X608091 MSSP
COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 550 FEL
NO OP. NAMED
REC 3/28/13 (NORRIS)

SPACING - 608091

3/26/2013 - G30 - (320 HOR) E2 10-22N-4E
EST MSSP, OTHER
POE TO BHL: NLT 660' FB
(SUPERSEDE EXISTING NON-DEVELOPED, NON-HORIZONTAL SPACING UNITS; COEXIST WITH DEVELOPED NON-HORIZONTAL SPACING UNIT)