

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

API NUMBER: 087 22024

Approval Date: 04/15/2015  
Expiration Date: 10/15/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 6N Rge: 2W County: MCCLAIN  
SPOT LOCATION:  SE  NW  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 918 570

Lease Name: MISTER ED Well No: 1-17H Well will be 570 feet from nearest unit or lease boundary.  
Operator Name: CHARTER OAK PRODUCTION CO LLC Telephone: 4052860361 OTC/OCC Number: 21672 0

CHARTER OAK PRODUCTION CO LLC  
13929 QUAIL POINTE DR  
OKLAHOMA CITY, OK 73134-1037

NOBLE REAL ESTATE  
3009 PINE HILL ROAD  
NORMAN OK 73072

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

Name	Depth	Name	Depth
1 WOODFORD-HUNTON	7800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 602579

Location Exception Orders: 636620

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14250

Ground Elevation: 1176

**Surface Casing: 650**

Depth to base of Treatable Water-Bearing FM: 360

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: 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: BISON

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 17 Twp 6N Rge 2W County MCCLAIN

Spot Location of End Point: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 1660

Depth of Deviation: 7411

Radius of Turn: 993

Direction: 170

Total Length: 5279

Measured Total Depth: 14250

True Vertical Depth: 8038

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	4/15/2015 - 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 - 636620	4/15/2015 - G91 - (I.O.) 17-6N-2W X602579 WDHN SHL 918 FSL, 570 FWL 8-6N-2W 1ST PERF NCT 165 FNL, NCT 660 FWL LAST PERF NCT 165 FSL, NCT 660 FWL CHARTER OAK PRODUCTION CO., LLC. 2-13-2015
SPACING - 602579	4/15/2015 - G91 - (640)(HOR) 17-6N-2W EST WDHN POE TO BHL NCT 660' FB (COEXIST PRODUCING NON-HORIZONTAL SPACING UNITS)

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.