

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

API NUMBER: 087 22025

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 5N Rge: 1W County: MCCLAIN  
SPOT LOCATION:  NE  SW  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 650 2250

Lease Name: OASIS Well No: 1-8H Well will be 650 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

GLEN & DONNA MURRAY  
15155 COTTON GIN AVE.  
WAYNE OK 73095

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

	Name	Depth	Name	Depth
1	PENN BASAL UNCONF SAND	6475	6	
2	WOODFORD	6500	7	
3	HUNTON	6650	8	
4			9	
5			10	

Spacing Orders: 634765

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201501415

Special Orders:

Total Depth: 12850

Ground Elevation: 1081

**Surface Casing: 650**

Depth to base of Treatable Water-Bearing FM: 170

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 08 Twp 5N Rge 1W County MCCLAIN

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 6232

Radius of Turn: 626

Direction: 170

Total Length: 5320

Measured Total Depth: 12850

True Vertical Depth: 6857

End Point Location from Lease,  
Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	4/9/2015 - 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
PENDING CD - 201501415	4/13/2015 - G64 - (I.O.) X634765, BPUNC, WDFD, HNTN SHL NCT 330 FSL, NCT 1320 FEL 5-5N-1W FIRST PERF NCT 165 FNL, NCT 660 FEL 8-5N-1W LAST PERF NCT 165 FSL, NCT 330 FEL 8-5N-1W CHARTER OAK PRODUCTION CO. LLC. REC 4/6/2015 (THOMAS)
SPACING - 634765	4/13/2015 - G64 - (640)(HOR) 8-5N-1W EST BPUNC, WDFD, HNTN, OTHERS POE TO BHL (BPUNC, HNTN) NCT 660' FB POE TO BHL (WDDFD) NCT 330' FB

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