

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

API NUMBER: 087 22022

Approval Date: 03/03/2015

Expiration Date: 09/03/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 5N Rge: 2W County: MCCLAIN  
SPOT LOCATION:  W2  E2  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 660 2050

Lease Name: MORGAN FC Well No: 1-5 Well will be 590 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

BILLY & CLEVEL IRWIN  
23259 150TH ST.  
MAYSVILLE OK 73057

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

Name	Depth	Name	Depth
1 HOXBAR	5820	6 SYLVAN	7910
2 DEESE	6415	7 VIOLA	8045
3 PENN BASAL UNCONF SAND	7410	8 BROMIDE	8330
4 WOODFORD	7495	9	
5 HUNTON	7550	10	

Spacing Orders: 27729  
46999  
50434

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8650

Ground Elevation: 1054

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 260

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: PURCELL

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

Notes:

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.

Category	Description
FRAC FOCUS	2/26/2015 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING	3/3/2015 - G75 - HOXBAR, BASAL PENN UNCONFORMITY SAND, WOODFORD, SYLVAN UNSPACED; 320-ACRE LEASE (W2)
SPACING - 27729	3/3/2015 - G75 - (40) 5-5N-2W EST BRMD
SPACING - 46999	3/3/2015 - G75 - (40) W2 5-5N-2W EST VIOL
SPACING - 50434	3/3/2015 - G75 - (UNIT) W2 5-5N-2W EST MORGAN FLINT CREEK UNIT FOR DEESS, HNTN

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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.

# Well Location Plat

## M & M Land Surveying, Inc.

API 087-22022

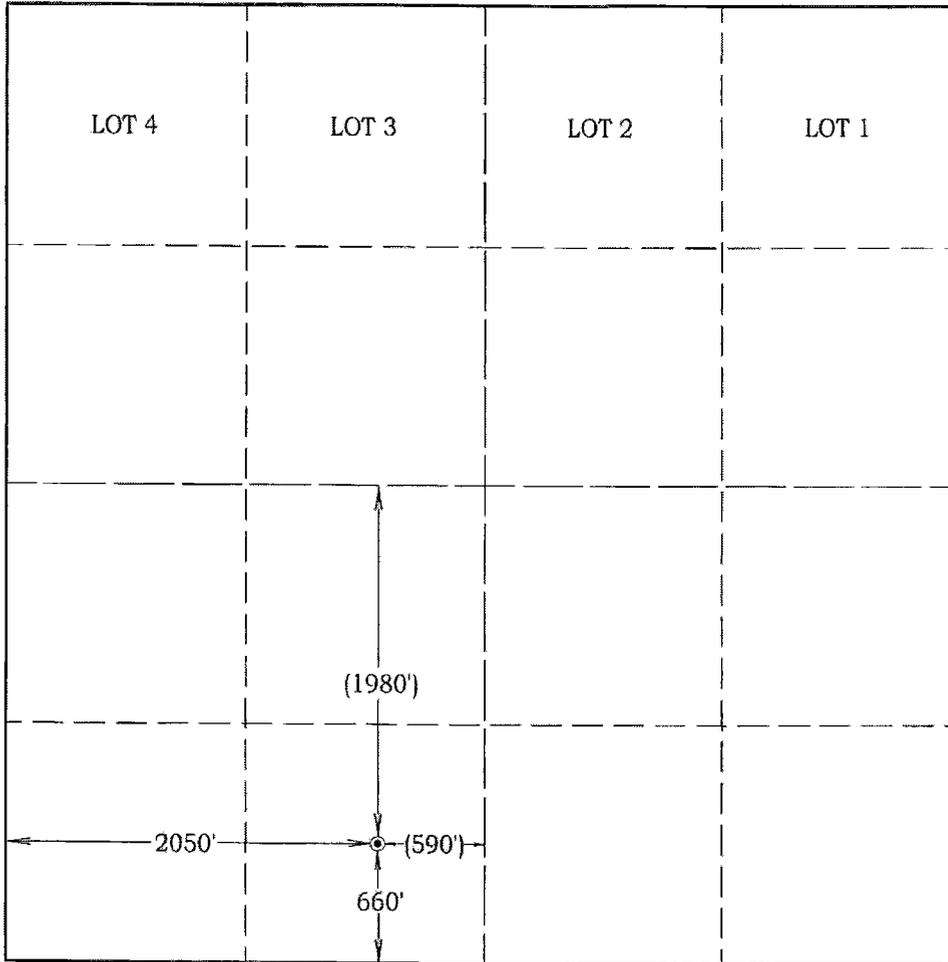
520 "E" Street NW. Ardmore, OK. 73401

Office 580-226-0446 Mobile 580-221-4999 Fax 580-226-7158

Company Name: Charter Oak Production Company Lease Name: Morgan FC #1-5  
 Section 5 Township 5 North Range 2 West County McClain Oklahoma

Primary Location 660' FSL - 2050' FWL Elevation 1054' Good Location? Yes  
 Alternate # 1 \_\_\_\_\_  
 Alternate # 2 \_\_\_\_\_

Topography  
Location fell on top of  
gradual hill in cattle  
pasture ±150' East of  
pipeline.



Scale: 1" = 1000'  
 Invoice # 15078  
 Date 2/27/15

Location NAD 83  
 Surface Location  
 Latitude: 34.92979°  
 Longitude: 97.43474°

Best Accessibility to Location  
From the South

Distance & Direction From From the Jct. of S.H. #74 and S.H. #59, go 1 mile North on S.H. #74, then 2 miles West on county road to the Southwest corner of Section 5.  
 Highway or Town \_\_\_\_\_

**CERTIFICATE:**

I, D. Harry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown.

*D. Harry McClintick* 2/27/15  
 D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

The distances shown in parenthesis ( ) are calculated distances based on the quarter section being 2640' and have not been measured.

