

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

API NUMBER: 087 22047

Approval Date: 05/10/2016
Expiration Date: 11/10/2016

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 6N Rge: 2W County: MCCLAIN
SPOT LOCATION: NE SW SE SW FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 350 820

Lease Name: J.R. RANCH Well No: 1-19 Well will be 350 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

DAVID L. MURPHY
123 S. HUDSON
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 DEESE	7000	6 VIOLA	8250
2 PENN UNCONF	7600	7	
3 WOODFORD	7775	8	
4 HUNTON	7830	9	
5 SYLVAN	8115	10	

Spacing Orders: 559826
570018
631772

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9500

Ground Elevation: 1084

Surface Casing: 390

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: BISON

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
HYDRAULIC FRACTURING	4/29/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.
SPACING - 559826	4/29/2016 - G75 - (80) SW4 19-6N-2W SU NW/SE VAC 62546 VIOL SW4 VAC 227440 DEESS, OTHERS SW4 EXT 189060 DEESS, HNTN, VIOL, OTHERS EXT 126694 BRMD2 (VAC BY 631772) EST PVUNC, WDFD, SLVN
SPACING - 570018	4/29/2016 - G75 - ((80) SW4 19-6N-2W AMD 559826 DEESS, HNTN, VIOL TO LD UNITS
SPACING - 631772	4/29/2016 - G75 - (80) SW4 19-6N-2W AMD 559826 PVUNC, WDFD, SLVN, OTHERS TO LD UNITS VAC 32156 HNTN S2 SW4 VAC 559826 BRMD2

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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.

Well Location Plat

M & M Land Surveying, Inc.
 520 "E" Street NW. Ardmore, OK. 73401

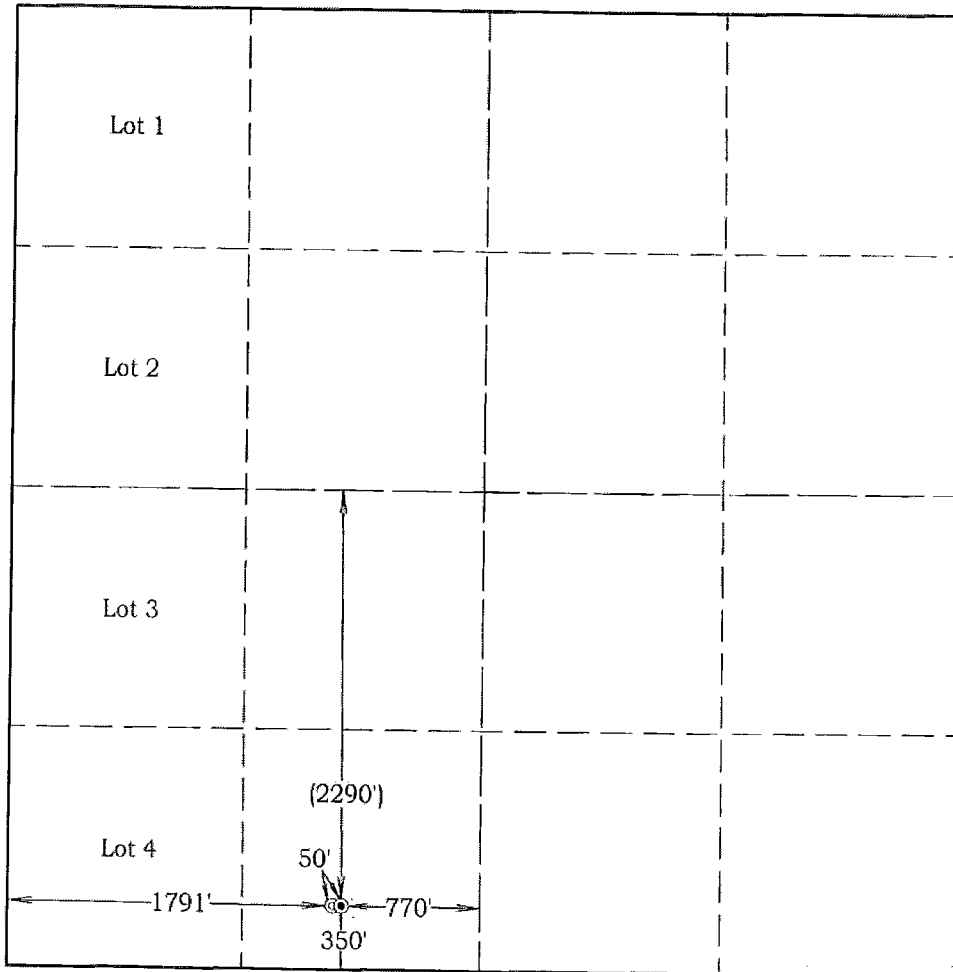
API 087-22047

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

Company Name: Charter Oak Production Company Lease Name: J.R. Ranch #1-19
 Section 19 Township 6 North Range 2 West County McClain Oklahoma

Primary Location	Elevation	Good Location?
<u>350' FSL - 770' FEL of SW/4</u>	<u>1087'</u>	<u>Yes</u>
Alternate # 1 <u>350' FSL - 820' FEL of SW/4</u>	<u>1084'</u>	<u>Yes</u>
Alternate # 2 _____	_____	_____

Topography
Location fell in sloped
pasture with scattered
brush, 60' west of
powerline.



Scale: 1" = 1000'
 Invoice # 14419
 Date 10/6/14

Location NAD 83
 Surface Location
 Latitude: 34.97258°
 Longitude: 97.45306°
 Alternate
 Latitude: 34.97258°
 Longitude: 97.45322°

Best Accessibility to Location
From the South

Distance & Direction From From the Jct. of I-35 and S.H. #74, go 1 mile Southwest on S.H. #74, then 3.7 miles West on S.H. #24 to the Southeast corner of the Southwest Quarter of Section 19.
 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
 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.

