

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

API NUMBER: 085 21275

Approval Date: 12/09/2016
Expiration Date: 06/09/2017

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 6S Rge: 3E County: LOVE
SPOT LOCATION: SE SE SW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2580 1160

Lease Name: AMC MATADOR Well No: 1-32 Well will be 1160 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

OKLAHOMA DEPT. OF WILDLIFE CONSERVATION
P.O. BOX 53465
OKLAHOMA CITY OK 73152

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

Name	Depth	Name	Depth
1 ATOKA	460	6 SYCAMORE	6430
2 MORROW	1060	7 WOODFORD	6840
3 SPRINGER	2315	8 HUNTON	7220
4 GODDARD	3735	9 VIOLA	7740
5 CANEY	5040	10 SIMPSON	8860

Spacing Orders: 656818

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604771
201605826

Special Orders:

Total Depth: 13420

Ground Elevation: 628

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 16-31915

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - HICKORY CREEK)

DIRECTIONAL HOLE 1

Sec 32 Twp 6S Rge 3E County LOVE

Spot Location of End Point: nn C SW SW

Feet From: SOUTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 660

Measured Total Depth: 13420

True Vertical Depth: 12900

End Point Location from Lease,

Unit, or Property Line: 660

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	11/21/2016 - 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.
PENDING CD - 201604771	11/22/2016 - G75 - (I.O.) 32-6S-3E X656818 ATOK, MRRW, SPRG, GDRD, CNEY, SCMR, WDFD, HNTN, VIOL, SMPS, OTHERS SHL 2580' FNL, 1160' FWL ENTRY/EXIT NCT 660' FSL, NCT 660' FWL NO OP. NAMED REC 11-15-2016 (NORRIS)
PENDING CD - 201605826	12/9/2016 - G75 - 32-6S-3E X656818 SMPS 1 WELL NO OP. NAMED HEARING 1-3-2017
SPACING - 656818	11/22/2016 - G75 - (640) 32-6S-3E VAC 37395 OLCK VAC 154679 VIOL VAC 155060 CNEY, SCMR, WDFD, HNTN, BRMD, MCLS EST ATOK, MRRW, SPRG, GDRD, CNEY, SCMR, WDFD, HNTN, VIOL, SMPS, OTHERS

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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.

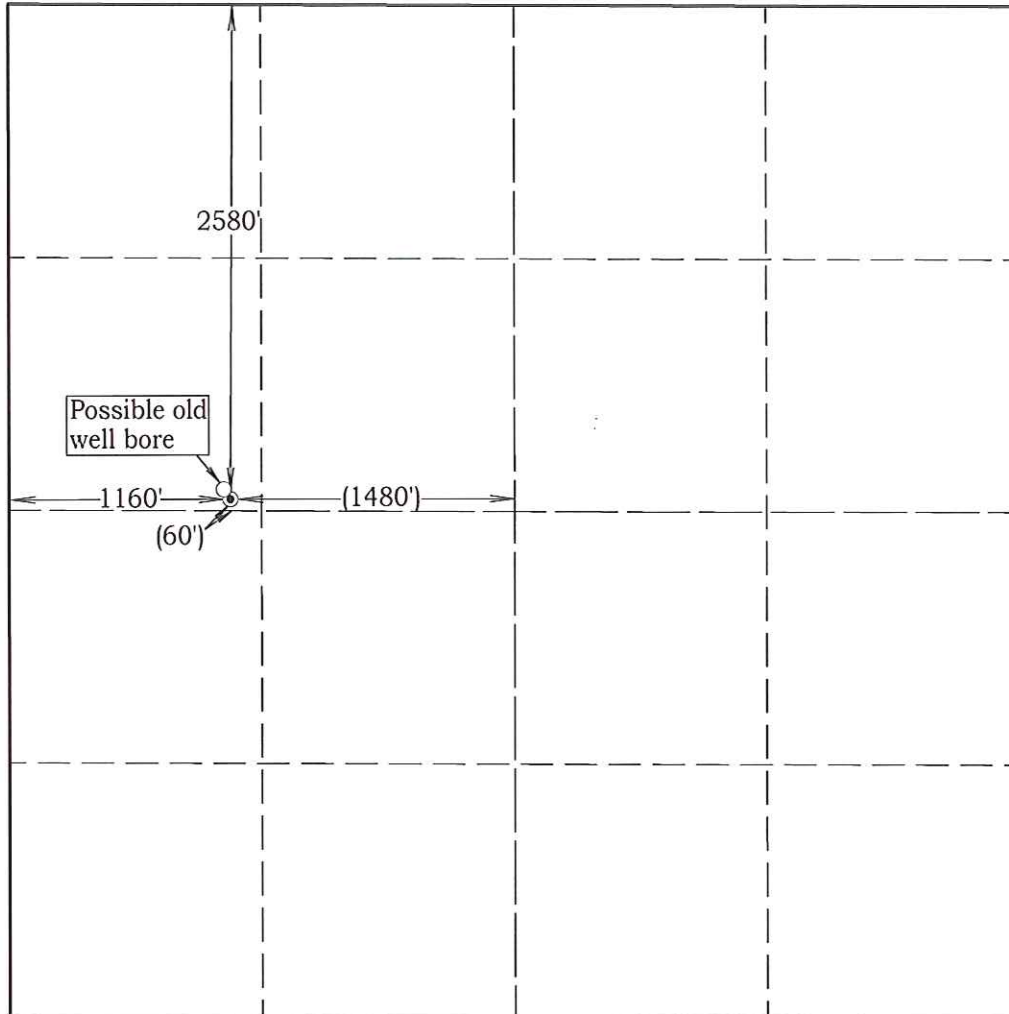
Well Location Plat
M & M Land Surveying, Inc.
 520 "E" Street NW. Ardmore, OK. 73401
 Office 580-226-0446 Mobile 580-221-4999

API 085-21275

Company Name: Charter Oak Production Company Lease Name: AMC Matador #1-32
 Section 32 Township 6 South Range 3 East County Love Oklahoma
 Primary Location 2580' FNL - 1160' FWL Elevation 628' Good Location? Yes
 Possible Old Well Bore 2528' FNL - 1125' FWL
 Alternate # 1 _____

Topography
 Location fell on old well pad S35°E, 63', of possible old well bore.

This location falls below the 640' flood elevation for Lake Texoma



Scale: 1" = 1000'
 Job # 16395
 Date 10/26/16

Location NAD 83
 Surface Location
 Latitude: 33.99132°
 Longitude: 97.01829°

Best Accessibility to Location
From the North

Distance & Direction From From the Jct of SH. #77S and Paschall Road, go 0.3 miles East on Paschall Road, then 0.7 miles South, on Scott Road, then 2 miles East on Enville Ran Road, then 1 mile South on Pear Orchard Road to a point 0.1 miles West of the Northeast Corenr of Section 32, then 1.1 miles Southwest of Lease Road to Location.
 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 10/26/16
 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.

