

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

API NUMBER: 087 22062

Approval Date: 02/13/2017  
Expiration Date: 08/13/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 5N Rge: 1E County: MCCLAIN  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 260 381

Lease Name: ELLIS 5N 1E Well No: 7 1HX Well will be 260 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

TOBY & KIM ELLIS  
34242 150TH STREET  
WAYNE OK 73095

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

Name	Depth	Name	Depth
1 PENN BASAL UNCONF SAND	5930	6	
2 WOODFORD	6050	7	
3 HUNTON	6200	8	
4		9	
5		10	

Spacing Orders: 659016

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700721  
201700911

Special Orders:

Total Depth: 15901

Ground Elevation: 1057

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 200

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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Solidification of pit contents.

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000
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: 3
Liner required for Category: 3
Pit Location is ALLUVIAL
Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 18 Twp 5N Rge 1E County MCCLAIN
Spot Location of End Point: SE SW SW SW
Feet From: SOUTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 381
Depth of Deviation: 5338
Radius of Turn: 750
Direction: 180
Total Length: 9385
Measured Total Depth: 15901
True Vertical Depth: 6200
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201700721.

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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.

Category	Description
PENDING CD - 201700911	2/13/2017 - G75 - (E.O.) 7 & 18-5N-1E X659016 BPUNC, WDFD, HNTN SHL (7-5N-1E) NCT 165' FNL, NCT 330' FWL COMPL. INT. (7-5N-1E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (18-5N-1E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 2-10-2017 (LEAVITT)
SPACING - 659016	2/13/2017 - G75 - (640)(HOR) 7 & 18-5N-1E EST BPUNC, WDFD, HNTN, OTHERS POE TO BHL (BPUNC, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 216588 BPUNC, HNTN NE4 7-5N-1E)

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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.

# Permit Plat

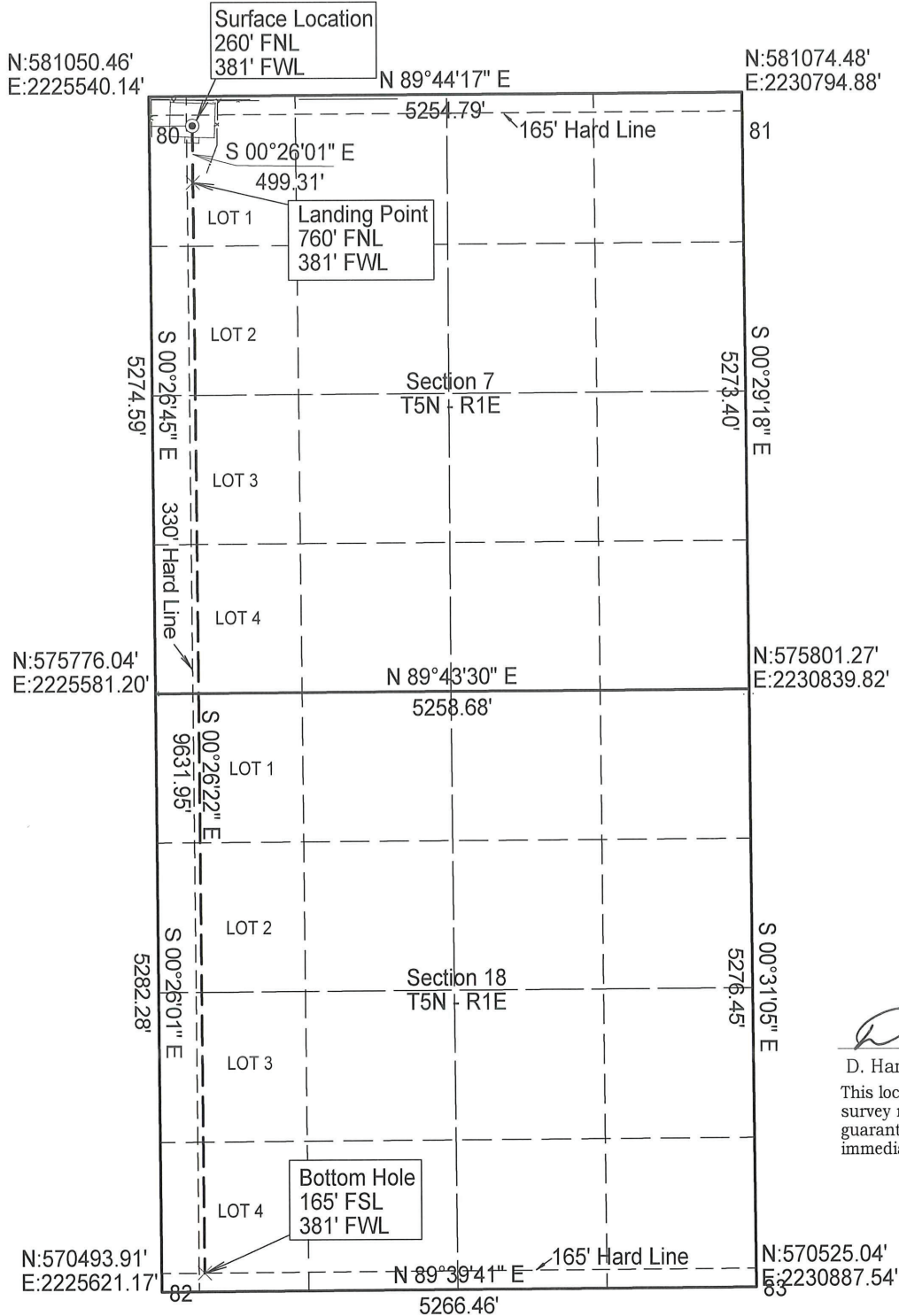
M & M Land Surveying, Inc.

API 087-22062

520 "E" Street NW. Ardmore, OK. 73401  
Office 580-226-0446 Mobile 580-221-4999

Company Name: Charter Oak Prod. Co. Lease Name: Ellis 5N 1E 7 1HX  
Section 7 Township 5 North Range 1 East County McClain Oklahoma  
Surface Location 260' FNL - 381' FWL Elevation 1057'

**ALL SECTION CORNER COORDINATES ARE NAD 27**



Scale: 1" = 1500'  
Job # 17033  
Date 1/24/17

NAD 27 OK SOUTH  
Surface Location  
Latitude: 34.926973°  
Longitude: 97.246313°  
Y= 580793'  
X = 2,225,923'  
Landing Point  
N= 580,293'  
E = 2,225,927'  
Bottom Hole  
N= 570,661'  
E = 2,226,001'

NAD 83 OK SOUTH  
Surface Location  
Latitude: 34.927049°  
Longitude: 97.246616°  
Y= 580,836'  
X = 2,194,327'  
Landing Point  
N= 580,337'  
E = 2,194,331'  
Bottom Hole  
N= 570,705'  
E = 2,194,405'

*D. Harry McClintick* 1/26/17  
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.

