

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

API NUMBER: 103 24768

Approval Date: 01/14/2020

Expiration Date: 07/14/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 20N Rge: 1W

County: NOBLE

SPOT LOCATION:

SE

NW

NW

NW

FEET FROM QUARTER:

FROM

NORTH

FROM

WEST

SECTION LINES:

600

555

Lease Name: GLEASON

Well No: 2-31-30XH

Well will be 555 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

TOMMY GLEASON  
715 IVANHOE  
PERRY OK 73077

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

	Name	Depth	Name	Depth
1	BIG LIME	4480	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 692851

Location Exception Orders: 706957

Increased Density Orders: 707512

706958

Pending CD Numbers:

Special Orders:

Total Depth: 12950

Ground Elevation: 1111

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 140

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: 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 BED AQUIFER

Pit Location Formation: WELLINGTON

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

PERMIT NO: 19-37177

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - LAKE PERRY)

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 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 30 Twp 21N Rge 1W County NOBLE

Spot Location of End Point: E2 N2 NE SW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1860

Depth of Deviation: 4000

Radius of Turn: 707

Direction: 360

Total Length: 7840

Measured Total Depth: 12950

True Vertical Depth: 4518

End Point Location from Lease,  
Unit, or Property Line: 330

## Notes:

### Category

### Description

EXCEPTION TO RULE - 706958 (201905382) 1/14/2020 - GC2 - (I.O.) SW4 30 & W2 31-21N-1W  
X165:10-3-28(C)(2)(B) BGLM (GLEASON 2-31-30XH)  
MAY BE CLOSER THAN 600' TO WAGNER 1-31, WAGNER 2-31, WAGNER 3-31, AND GLEASON 1  
-31-30XH  
NO OP. NAMED  
12-30-2019

### HYDRAULIC FRACTURING

1/6/2020 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL  
WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH  
WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL  
WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE  
"FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:  
OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS  
TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE  
HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INCREASED DENSITY - 707512 (201905380) 1/14/2020 - GC2 - (I.O.) SW4 30 & W2 31-21N-1W  
X692851 BGLM  
1 WELL  
NO OP. NAMED  
1-14-2020

### LOCATION EXCEPTION - 706957 (201905381)

1/14/2020 - GC2 - (I.O.) SW4 30 & W2 31-21N-1W  
X692851 BGLM  
COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 660' FWL SW4 30 & W2 31-21N-1W  
CHARTER OAK PRODUCTION CO., LLC  
12-30-2019

### SPACING - 692851

1/14/2020 - GC2 - (480)(HOR)(IRR UNIT) SW4 30 & W2 31-21N-1W  
EST BGLM, OTHERS  
COMPL. INT. NCT 660' FB  
(COEXIST SP. ORDER # 130380 BGLM, OTHER SW4 30-21N-1W, ORDER # 202701 BGLM,  
OTHER SW4 31-21N-1W, ORDER # 277480 BGLM, OTHER NW4 31-21N-1W, ORDER # OTHERS)

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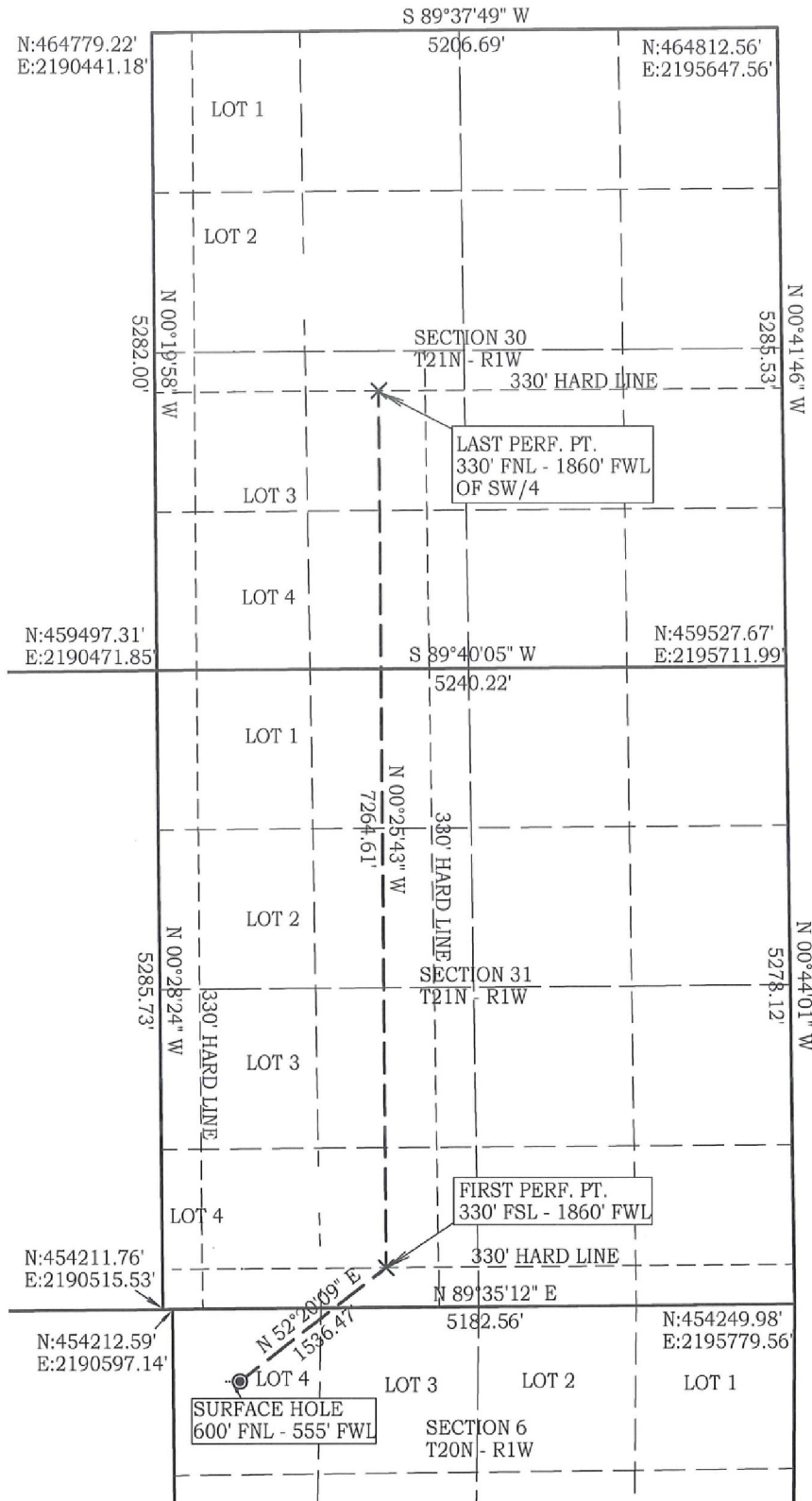
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

103 24768 GLEASON 2-31-30XH

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

Company Name: Charter Oak Production Company Lease Name: Gleason 2-31-30XH  
 Section 6 Township 20 North Range 1 West County Noble Oklahoma  
 Surface Location 600' FNL - 555' FWL Elevation 1111'

**ALL SECTION CORNER COORDINATES ARE NAD 27**



Bearings are GRID NORTH



Scale: 1" = 1500'  
 Job # 19377  
 Date 11/01/19

NAD 27 OK SOUTH  
 Surface Location  
 Latitude: 36.244414°  
 Longitude: 97.351761°  
 Y= 453,616'  
 X = 2,191,157'

Entry Point  
 Latitude: 36.246064°  
 Longitude: 97.347613°  
 N= 454,225'  
 E = 2,192,375'

First Perforation Pt.  
 Latitude: 36.246971°  
 Longitude: 97.347615°  
 N= 454,555'  
 E = 2,192,373'

Last Perforation Pt.  
 Latitude: 36.266927°  
 Longitude: 97.347633°  
 N= 461,820'  
 E = 2,192,318'

Bottom Hole  
 Latitude: 36.267834°  
 Longitude: 97.347632°  
 N= 462,150'  
 E = 2,192,316'

NAD 83 OK SOUTH  
 Surface Location  
 Latitude: 36.244455°  
 Longitude: 97.352081°  
 Y= 453,642'  
 X = 2,159,557'

Entry Point  
 Latitude: 36.246105°  
 Longitude: 97.347934°  
 N= 454,251'  
 E = 2,160,776'

First Perforation Pt.  
 Latitude: 36.247011°  
 Longitude: 97.347936°  
 N= 454,581'  
 E = 2,160,773'

Last Perforation Pt.  
 Latitude: 36.266967°  
 Longitude: 97.347955°  
 N= 461,846'  
 E = 2,160,719'

Bottom Hole  
 Latitude: 36.267874°  
 Longitude: 97.347954°  
 N= 462,176'  
 E = 2,160,717'



*D. Harry McClintick* 11/1/19

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been Calculated 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.