

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

API NUMBER: 093 25068

Approval Date: 05/01/2017

Expiration Date: 11/01/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 21N Rge: 16W

County: MAJOR

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 200 1800

Lease Name: HOLLENBACK

Well No: 31-1H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: COMANCHE EXPLORATION CO LLC

Telephone: 4057555900

OTC/OCC Number: 20631 0

COMANCHE EXPLORATION CO LLC  
6520 N WESTERN AVE STE 300  
OKLAHOMA CITY, OK 73116-7334

HAROLD J HOLLENBACK  
RT. 1 BOX 12A  
SEILING OK 73663

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700479  
201700477

Special Orders:

Total Depth: 13545

Ground Elevation: 1801

**Surface Casing: 800**

Depth to base of Treatable Water-Bearing FM: 630

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 8000 Average: 5000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32506  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 31 Twp 21N Rge 16W County MAJOR

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 135

Feet From: EAST 1/4 Section Line: 1800

Depth of Deviation: 7657

Radius of Turn: 600

Direction: 180

Total Length: 4945

Measured Total Depth: 13545

True Vertical Depth: 8970

End Point Location from Lease,

Unit, or Property Line: 135

Notes:

Category

Description

HYDRAULIC FRACTURING

4/27/2017 - 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/](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 - 201700477

5/1/2017 - G60 - (640)(HOR) 31-21N-16W  
VAC 43757 CSTR  
EXT OTHERS  
EST MSSP, OTHER  
COMPL. INT. NLT 660' FB  
REC. 2/14/17 (THOMAS)

PENDING CD - 201700479

5/1/2017 - G60 - (I.O.) 31-21N-16W  
X201700477 MSSP  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL  
NO OP. NAMED  
REC. 2/14/17 (THOMAS)

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.

093 25068 HOLLENBACK 31-1H

3509325068

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

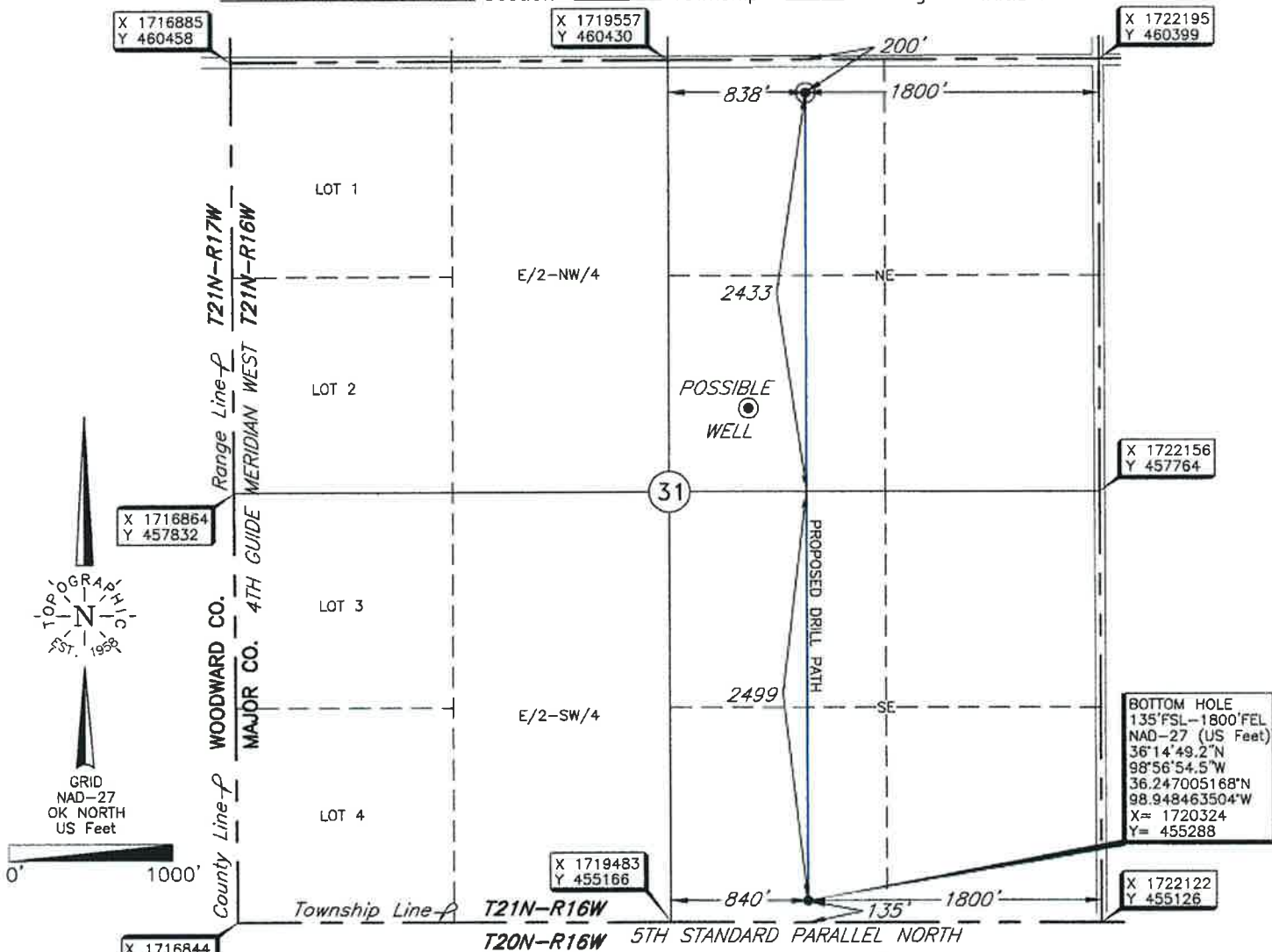
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

MAJOR

County, Oklahoma

200' FNL - 1800' FEL Section 31 Township 21N Range 16W I.M.



BOTTOM HOLE AND DRILL PATH INFORMATION  
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

**NOTE:**

The information shown herein is for  
construction purposes ONLY.

Operator: COMANCHE EXPLORATION CO., LLCLease Name: HOLLENBACKWell No.: 31-1H**ELEVATION:**1801' Gr. at StakeTopography & Vegetation Location fell in rolling sandy pasture.Good Drill Site? YESReference Stakes or Alternate Location  
Stakes Set NoneBest Accessibility to Location From county road north of well location.

Distance &amp; Direction

from Hwy Jct or Town FROM CHESTER, OK: GO ±3 MILES NORTH ON US 281, THEN GO 1 MILE WEST  
TO THE NEc OF SECTION 31-T21N-R16W

Date of Drawing: Aug. 09, 2016Invoice # 263294BDate Staked: Aug. 08, 2016

JGW

**CERTIFICATE:**

I, Thomas L. Howell an Oklahoma Licensed Land  
Surveyor and an authorized agent of Topographic Land  
Surveyors of Oklahoma, do hereby certify to the  
information shown herein

Oklahoma Lic. No. 1433

This information was  
gathered with a GPS receiver  
with ±1 foot Horiz./Vert. accuracy.

DATUM: NAD-27LAT: 36°15'38.0"NLONG: 98°56'54.2"WLAT: 36.260554238°NLONG: 98.948395688°W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTHX: 1720392Y: 460220