

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

API NUMBER: 017 25421

Approval Date: 03/25/2019

Expiration Date: 09/25/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 13N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 285 1145

Lease Name: BROOKIE 1306

Well No: 4LMH-18

Well will be 285 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054788770; 4054264

OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC
701 CEDAR LAKE BLVD
OKLAHOMA CITY, OK 73114-7800

THOMAS & ELIZABETH J. DETERMAN
7301 NORMAN ROAD
WARR ACRES OK 73132

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8846	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 641397

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900771
201900767

Special Orders:

Total Depth: 13700

Ground Elevation: 1309

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

PERMIT NO: 19-36367

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: CLOSED Closed System Means Steel Pits

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 18 Twp 13N Rge 6W County CANADIAN

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1380

Depth of Deviation: 7960

Radius of Turn: 492

Direction: 355

Total Length: 4966

Measured Total Depth: 13700

True Vertical Depth: 8860

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

3/13/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

3/13/2019 - 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

MEMO

3/13/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201900771

3/25/2019 - GB1 - (I.O.) 18-13N-6W
X641397 MSSP
X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO SMITH 1, DETERMAN 1, MERRELL A-1, NIEMANN A-1, AND NIEMANN A-2
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC. 3/12/2019 (P. PORTER)

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

017 25421 BROOKIE 1306 4LMH-18

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

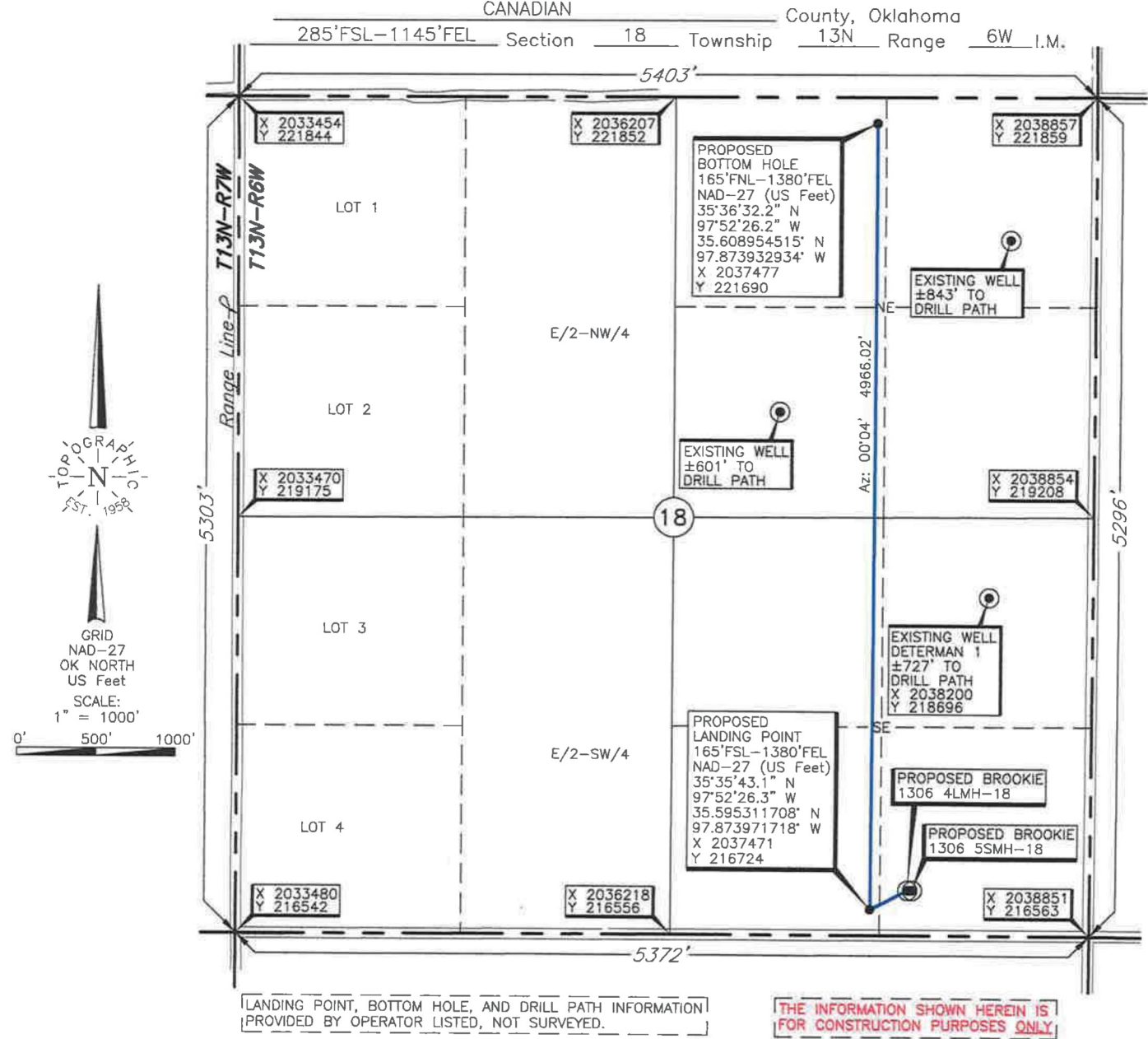
SPACING - 641397

3/25/2019 - GB1 - (640)(HOR) 18-13N-6W
EST MSSP, OTHERS
COMPL. INT. (MSSP) NLT 660' FB
(COEXIST WITH SP # 122201 MISS)

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.



Operator: CHAPARRAL ENERGY, LLC.
Lease Name: BROOKIE 1306 Well No.: 4LMH-18 **ELEVATION:** 1309' Gr. at Stake

Topography & Vegetation Location fell in sloping pasture.

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county road.
Distance & Direction
from Hwy Jct or Town From the junction of US Hwy. 81 and St. Hwy. 3, go East on St. Hwy. 3 ±4 miles, then South ±4.75 miles, then East ±1 mile to the Southeast Corner of Section 18-T13N-R6W.

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

DATUM: NAD-27
LAT: 35°35'44.3" N
LONG: 97°52'23.4" W
LAT: 35.595642412° N
LONG: 97.873180243° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2037707
Y: 216845

Date of Drawing: Mar. 12, 2019
Project # 124649B Date Staked: Mar. 6, 2019 TR

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.
Thomas L. Howell
Oklahoma Lic. No. 1433

