

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

API NUMBER: 017 25284

Approval Date: 10/15/2018

Expiration Date: 04/15/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 12N Rge: 6W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 270 263

Lease Name: ALVERSTONE 1206

Well No: 1LMH-17

Well will be 263 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

CANADIAN CO PUBLIC FACILITIES AUTH
201 NORTH CHOCTAW
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8864	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807807
201807808

Special Orders:

Total Depth: 13900

Ground Elevation: 1303

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 310

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: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35573
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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 17 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8515

Radius of Turn: 285

Direction: 1

Total Length: 4936

Measured Total Depth: 13900

True Vertical Depth: 9115

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

Notes:

Category

Description

DEEP SURFACE CASING

10/15/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/15/2018 - GA8 - 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

10/15/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201807807

10/15/2018 - G56 - (640) (HOR) 17-12N-6W
EXT. 667934 MSSP, OTHERS
POE TO BHL NCT 660' FB
(COEXIST WITH SP. # 130956)
REC. 10/2/2018 (M. PORTER)

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.

017 25284 ALVERSTONE 1206 1LMH-17

Category	Description
PENDING CD - 201807808	10/15/2018 - G56 - (E.O.) 17-12N-6W X201807807 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL, NCT 330' FWL NO OP. NAMED REC. 10/2/2018 (M. PORTER)

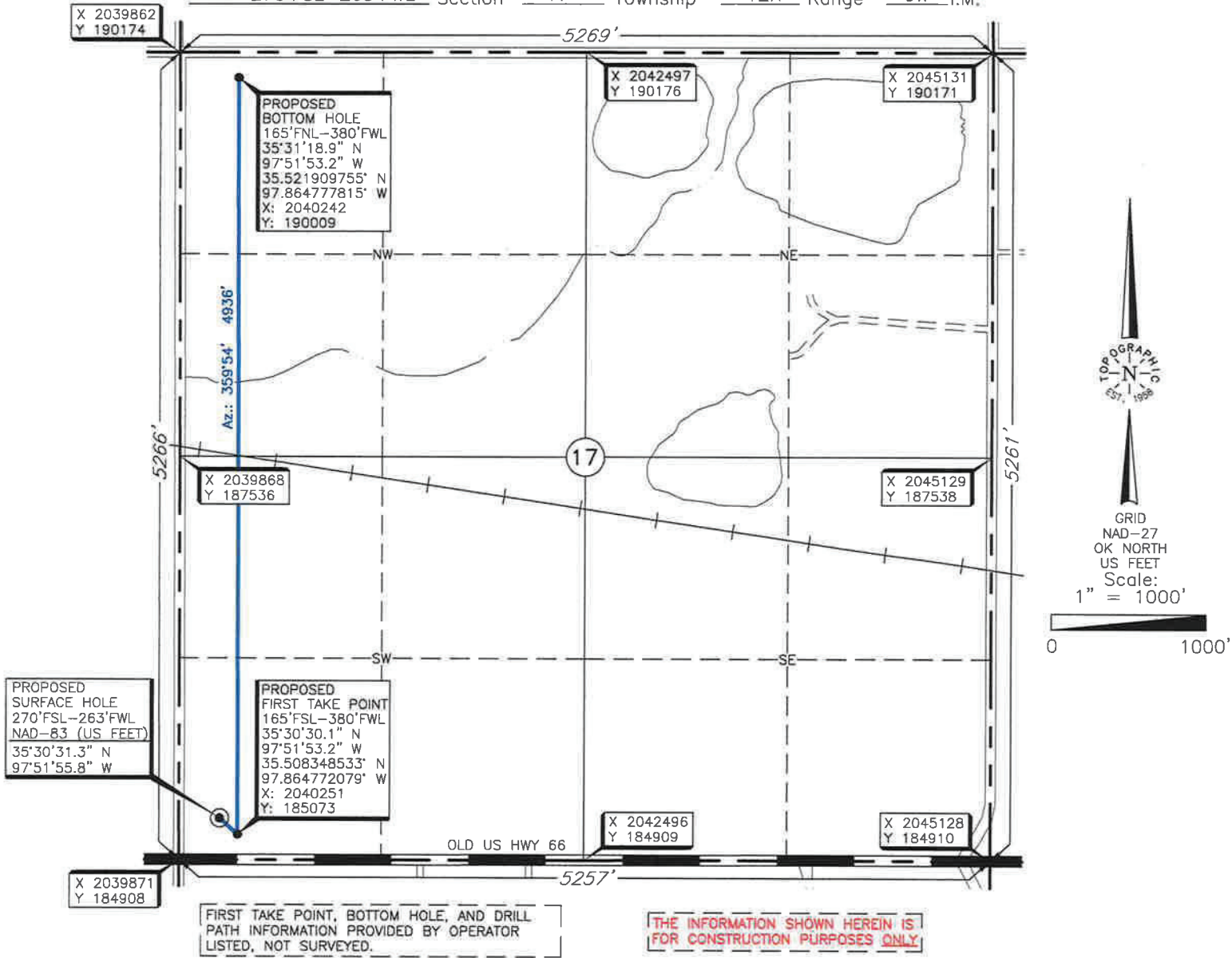
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District
Office of the Conservation Division as to when Surface Casing will be run.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

CANADIAN County, Oklahoma

270'FSL-263'FWL Section 17 Township 12N Range 6W I.M.



Operator: CHAPARRAL ENERGY, LLC.
Lease Name: ALVERSTONE 1206

Well No.: 1LMH-17

ELEVATION:	
1303' Gr. at Stake (NAVD 88)	
1303' Gr. at Stake (NGVD 29)	

Topography & Vegetation Location fell in grass field
Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From South off Old US Hwy 66
Distance & Direction From the junction of Old US Hwy 66 & US Hwy 81 in El Reno, Oklahoma, go ±4 miles East on Old US Hwy 66 to the Southwest Corner of Section 17, T12N-R6W.

DATUM: NAD-27
LAT: 35°30'31.1" N
LONG: 97°51'54.6" W
LAT: 35.508637467° N
LONG: 97.865164642° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2040134
Y: 185178

Date of Drawing: Oct. 4, 2018
Invoice # 303982 Date Staked: Oct. 3, 2018 NB

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 Reg. No. 1433

