

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

API NUMBER: 047 25148

Approval Date: 05/18/2018

Expiration Date: 11/18/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 21N Rge: 6W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 233 260

Lease Name: CHERRY 2106

Well No: 1UMH-20

Well will be 233 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC

Telephone: 4054264451; 4054264

OTC/OCC Number: 16896 0

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

ROY E. & VICKI L. LANDWEHR REV TRUST
P.O. BOX 203
WAUKOMIS OK 73773

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	6450	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 64205

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803644
201803642
201803643

Special Orders:

Total Depth: 11350

Ground Elevation: 1129

Surface Casing: 670

Depth to base of Treatable Water-Bearing FM: 420

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: 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 BED AQUIFER

Pit Location Formation: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34068
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 20 Twp 21N Rge 6W County GARFIELD

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 5792

Radius of Turn: 382

Direction: 181

Total Length: 4957

Measured Total Depth: 11350

True Vertical Depth: 6550

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

Notes:

Category

Description

HYDRAULIC FRACTURING

5/15/2018 - 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

PENDING CD - 201803642

5/15/2018 - G57 - 20-21N-6W
X64205 MSSLM
1 WELL
CHAPARRAL ENERGY, LLC.
HEARING 5-29-2018

PENDING CD - 201803643

5/15/2018 - G57 - 20-21N-6W
X64205 MSSLM
X165:10-3-28(C)(2)(B) MSSLM (CHERRY 2106 #1UMH-20) MAY BE CLOSER THAN 600' FROM THE KREIE UNIT 4
CHAPARRAL ENERGY, LLC.
REC 5-18-2018 (THOMAS)

PENDING CD - 201803644

5/15/2018 - G57 - (E.O.) 20-21N-6W
X64205 MSSLM
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
CHAPARRAL ENERGY, LLC.
REC 5-18-2018 (THOMAS)

SPACING - 64205

5/15/2018 - G57 - (640) 20-21N-6W
VAC 44841 MSSLM
EXT 58120/62126 MSSLM

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

047 25148 CHERRY 2106 1UMH-20

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

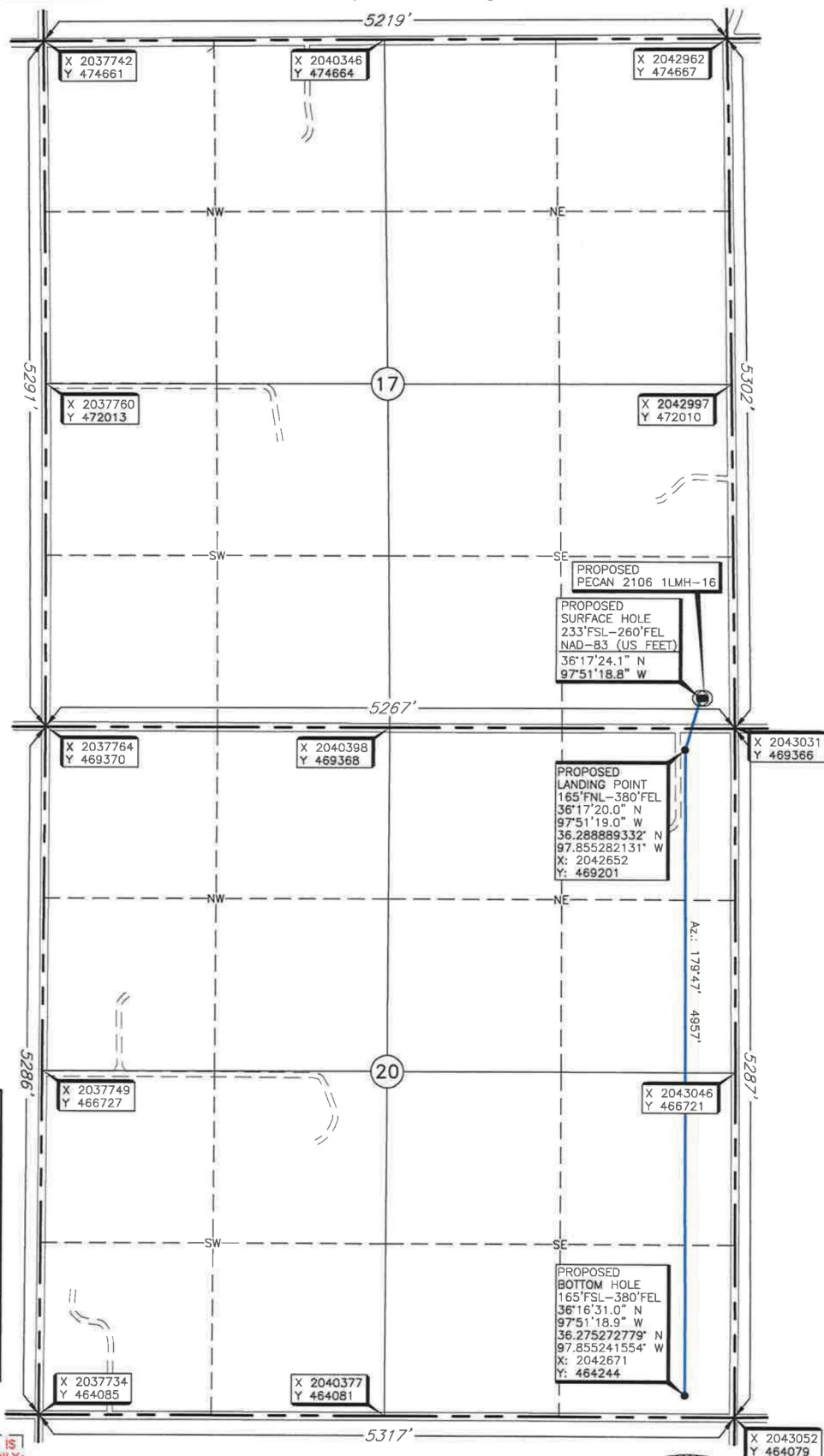
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.



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

Operator: CHAPARRAL ENERGY, LLC.
Lease Name: CHERRY 2106
Topography & Vegetation Loc. fell in terraced wheat field
Well No.: 1UMH-20
Good Drill Site? Yes
Best Accessibility to Location From South off county road
Distance & Direction From the junction of Pioneer School Road & US Hwy 81 in Waukomis, Oklahoma, go ± 2 miles East, then ± 1 mile North to the Southeast Corner of Section 17, 21N-R6W.
Reference Stakes or Alternate Location Stakes Set None
ELEVATION:
1129' Gr. at Stake (NAVD 88)
1128' Gr. at Stake (NGVD 29)

GARFIELD County, Oklahoma
233'FSL-260'FEL Section 17 Township 21N Range 6W I.M.



THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27
LAT: 36°17'23.9" N
LONG: 97°51'17.6" W
LAT: 36.289982091° N
LONG: 97.854886663° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2042768
Y: 469599

Invoice # 289297 Date of Drawing: Feb. 27, 2018
Date Staked: Feb. 26, 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 Lic. No. 1433

