API NUMBER: 017 25573

Oil & Gas

Horizontal Hole

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

Approval Date: 12/11/2019
Expiration Date: 06/11/2021

PERMIT TO DRILL

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

 SPOT LOCATION:
 NW
 SW
 SW
 SE
 FEET FROM QUARTER:
 FROM
 SOUTH
 FROM
 EAST

 SECTION LINES:
 SECTION LINES:
 459
 2465

Lease Name: ALVERSTONE 1206 Well No: 3LMH-17 Well will be 459 feet from nearest unit or lease boundary.

Operator CHAPARRAL ENERGY LLC Telephone: 4054788770; 4054264 OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC 701 CEDAR LAKE BLVD

OKLAHOMA CITY, OK 73114-7800

MARGARET ANN KNIGHT & JAMES KNIGHT 8901 U.S. HIGHWAY 66 FAST

EL RENO OK 73036

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

Name Depth Name Depth MISSISSIPPIAN 8765 1 6 2 7 8 3 4 9 5 10 695590 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201905518 Special Orders:

201905516

Total Depth: 13850 Ground Elevation: 1289 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 380

Deep surface casing has been approved

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37129

H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 17 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: NW NW NE NE
Feet From: NORTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 1000

Depth of Deviation: 8317 Radius of Turn: 382

Direction: 15

Total Length: 4933

Measured Total Depth: 13850

True Vertical Depth: 9010

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

Notes:

Category Description

DEEP SURFACE CASING 12/4/2019 - 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 12/4/2019 - 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 12/4/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - PURCELL CREEK),

PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201905516 12/11/2019 - G56 - 17-12N-6W

X695590 MSSP 2 WELLS NO OP NAMED

REC 12/9/2019 (DENTON)

PENDING CD - 201905518 12/11/2019 - G56 - (I.O.) 17-12N-6W

X695590 MSSP

X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO BANNER CO-OP 17-1 WELL

COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 660' FEL

NO OP NAMED

REC 12/9/2019 (DENTON)

SPACING - 695590 12/11/2019 - G56 - (640)(HOR) 17-12N-6W

EST MSSP, OTHERS

POE TO BHL NCT 660' FB

(COEXIST WITH SP # 130956 MISS)

EXHIBIT: B Section 17 Township 12N Range 6W I.M. ALVERSTONE 1206 3LMH-17 SHEET: 11x17 County CANADIAN State Oklahoma Operator Chaparral Energy WELL LOCATION PLAT 2634 X: 2013533.78 Y: 190195.36 190198.25 2039861.91 190173.95 2042497.44 X: 2045131.40 Y: 190171.01 190175.29 BHL 98HL 165' FNL - 1000' FEL Y: 190031.97' X: 2012533.63' LAT: N35.521945' LONG: W97.852032' Y: 190007.63' X: 2044131.21' LAT: N35.521892' LONG: W97.851708' GPS DATUM NAD-83 NAD-27 NORTH ZONE US FEET SCALE: = 600 X: 2013531.25 Y: 187562.82 X: 2045128.85 2008270.00 187560.66 2039867.61 187536.36 17 Y: 187538.46 ALVERSTONE 1206 3LMH-17. ELEVATION: 1289.43' 459' FSL - 2465' FEL Y: 185391.71' X: 2011065.84' LAT: N35.509204' LONG: W97.856987' Y: 185367.37' X: 2042663.43' LAT: N35.509150' LONG: W97.856663' 165' FSL - 1000' FEL
Y: 185098.67' X: 2012530.24'
LAT: N35.508393' LONG: W97.852069'
Y: 185074.33' X: 2044127.83'
LAT: N35.508339' LONG: W97.851745' 628 X: 2008273.32 Y: 184932.19 X: 2039870.91 X: 2010898.34 Y: 184933.04 X: 2013530.1X Y: 184934.06 X: 2045127.75 Y: 184909.70 X: 2042495.92 Y: 184908.70 : 184907.88 2625 2632 Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Pan-Op promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey. CORY D. CULPEPPER 1980 CERTIFICATE: I. Cory D. Culpepper an Oklahoma Licensed Land Surveyor and an authorized agent of Pan-Op, LLC, do hereby certify to the information shown herein. SURVEY & CONSULTING

DATE STAKED: _11/22/2019

Prepared By: Pon-Op Survey & Consulting, LLC 11900 N MocArthur Blvd. Suite C2 Okishama City, OK 73162 CAJ 8166

11/26/2019

Oklahoma RPLS