

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

API NUMBER: 017 25540

Approval Date: 10/09/2019

Expiration Date: 04/09/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 286 1625

Lease Name: KILIMANJARO 1106

Well No: 2UMH-2

Well will be 286 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

ERNEST R. MACH
780 BAY AREA BLVD, #2133
WEBSTER TX 77598

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8732	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 668111

Location Exception Orders: 702337

Increased Density Orders: 701433

Pending CD Numbers:

Special Orders:

Total Depth: 13700

Ground Elevation: 1329

Surface Casing: 1170

Depth to base of Treatable Water-Bearing FM: 920

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)
H. SEE MEMO

PERMIT NO: 19-36959

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

The duration of this permit is 18 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 02 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 8075

Radius of Turn: 378

Direction: 1

Total Length: 5030

Measured Total Depth: 13700

True Vertical Depth: 8775

End Point Location from Lease,
Unit, or Property Line: 150

Additional Surface Owner	Address	City, State, Zip
KENNETH M. MACH	3605 FRISCO	YUKON, OK 73099

Notes:

Category

Description

HYDRAULIC FRACTURING

9/12/2019 - 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: OCCWEB.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

INCREASED DENSITY - 701433

10/8/2019 - GB1 - 2-11N-6W
X668111 MSSP
4 WELLS
CHAPARRAL ENERGY, LLC
8/28/2019

LOCATION EXCEPTION - 702337

10/8/2019 - GB1 - (I.O.) 2-11N-6W
X668111 MSSP
X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO CHARLIE 2-1
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL
CHAPARRAL ENERGY, LLC
9/17/2019

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

017 25540 KILIMANJARO 1106 2UMH-2

The duration of this permit is 18 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.

MEMO

9/12/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - SHELL CREEK), PIT 2
- OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 668111

10/8/2019 - GB1 - (640)(HOR) 2-11N-6W
EST MSSP, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 151640 MSSLM NE4, 158261 MSSLM NW4, 165480 MSSLM SW4,
209012 MSSLM SE4)

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

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

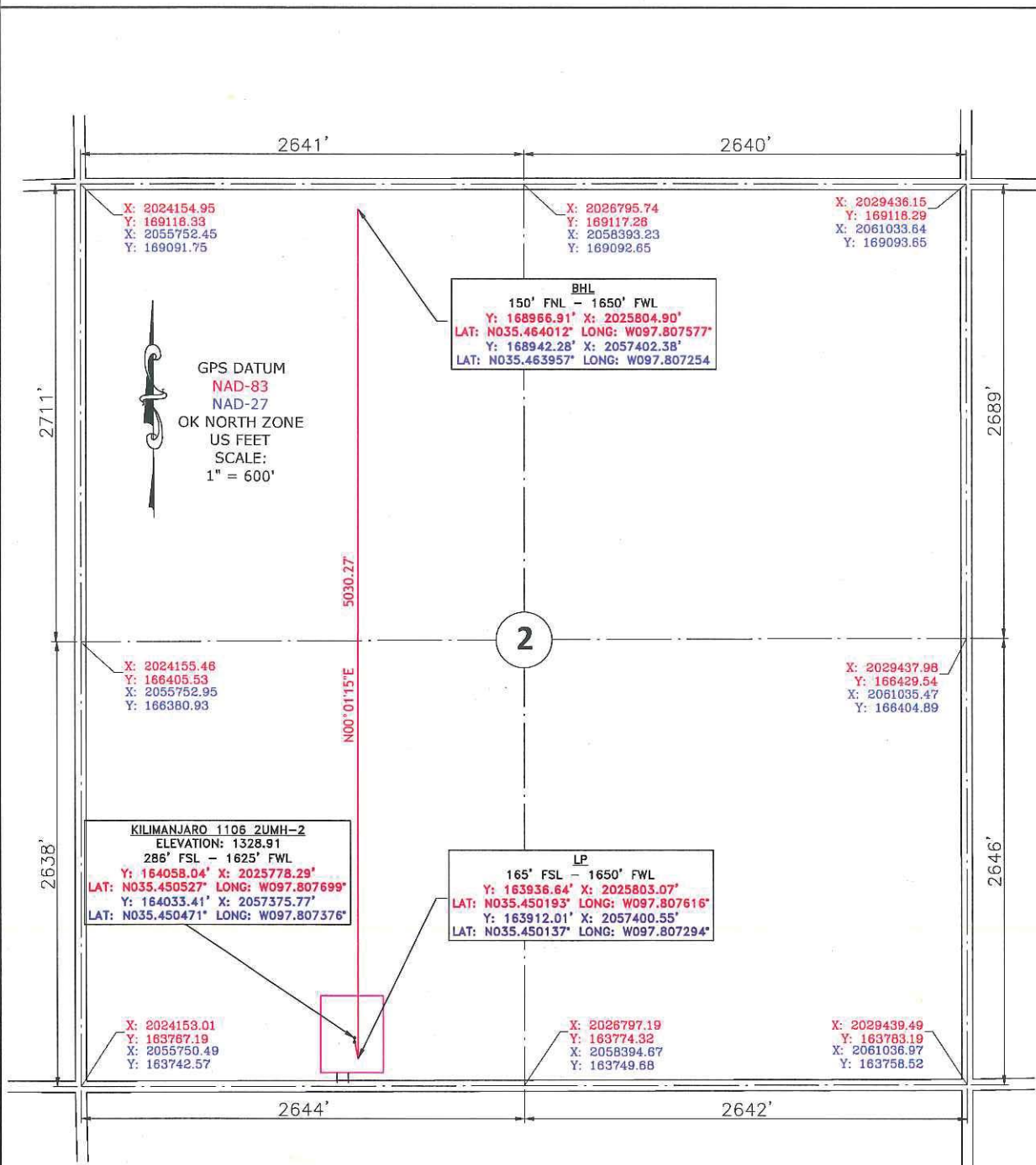
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

EXHIBIT: A
SHEET: 11x17

KILIMANJARO 1106 2UMH-2

Section 2 Township 11N Range 6W T.M.County CANADIAN State OklahomaOperator Chaparral Energy

WELL LOCATION PLAT



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.

PAN-OP
SURVEY & CONSULTING

Prepared By:
Pan-Op Survey & Consulting, LLC
11809 N. MacArthur Blvd.
Suite C2
Oklahoma City, OK 73162
CAG 8166

DATE STAKED: 9/3/2019

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.

Cory D. Culpepper 9/9/2019
Oklahoma RPLS
No. 1980

