

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

API NUMBER: 047 25179

Approval Date: 12/14/2018

Expiration Date: 06/14/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 21N Rge: 6W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 222 255

Lease Name: SEQUOIA 2106

Well No: 1MOH-12

Well will be 222 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

MICHAEL & BRENDA FRICKENSCHMIDT
P.O. BOX 65
WAUKOMIS OK 73773

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6153	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806012
201806014

Special Orders:

Total Depth: 11500

Ground Elevation: 1089

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 350

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: KINGMAN

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

PERMIT NO: 18-35827

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: KINGMAN

HORIZONTAL HOLE 1

Sec 12 Twp 21N Rge 6W County GARFIELD

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 5745

Radius of Turn: 750

Direction: 355

Total Length: 4577

Measured Total Depth: 11500

True Vertical Depth: 6210

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/17/2018 - 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

MEMO

12/12/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201806012

12/13/2018 - GA8 - (640)(HOR) 12-21N-6W
EXT 615326 MISSP
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 59432 MISS)
REC 11/14/2018 (DENTON)

PENDING CD - 201806014

12/13/2018 - GA8 - (I.O.) 12-21N-6W
X201806012 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC 11/14/2018 (DENTON)

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

047 25179 SEQUOIA 2106 1MOH-12

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

SURFACE OWNER

12/14/2018 - GA8 - PER OPERATOR

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.

Chaparral Energy, LLC

SEQUOIA 2106 1MOH-12

BONZAI 2105 1MOH-18

COVER SHEET

Section 12 Township 21N Range 6W I.M.

Well 1: SEQUOIA 2106 1MOH-12

County GARFIELD State Oklahoma

Well 2: BONZAI 2105 1MOH-18

Operator Chaparral Energy, LLC
701 Cedar Lake Blvd, Oklahoma
City, OK 73114

Well: _____

Well: _____

GPS DATUM NAD-83
OK NORTH ZONE

POINT	NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
W1	SEQUOIA 2106 1MOH-12	474820.14'	2032189.85'	N036° 18' 15.07"	W097° 47' 01.86"	222' FSL 255' FEL	12-21N-6W
LP	SEQUOIA 2106 1MOH-12	475131.40'	2032063.80'	N036° 18' 18.15"	W097° 47' 03.39"	532' FSL 380' FEL	12-21N-6W
BHL	SEQUOIA 2106 1MOH-12	479708.84'	2032038.34'	N036° 19' 03.42"	W097° 47' 03.58"	165' FNL 380' FEL	12-21N-6W
W2	BONZAI 2105 1MOH-18	474820.14'	2032219.85'	N036° 18' 15.07"	W097° 47' 01.49"	222' FSL 225' FEL	12-21N-6W
LP	BONZAI 2105 1MOH-18	474447.27'	2033108.26'	N036° 18' 11.36"	W097° 46' 50.65"	165' FNL 660' FWL	18-21N-5W
BHL	BONZAI 2105 1MOH-18	469509.49'	2033156.22'	N036° 17' 22.53"	W097° 46' 50.20"	165' FSL 660' FWL	18-21N-5W

GPS DATUM NAD-27
OK NORTH ZONE

POINT	NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
W1	SEQUOIA 2106 1MOH-12	474795.23'	2063789.34'	N36° 18' 14.94"	W97° 47' 00.72"	222' FSL 255' FEL	12-21N-6W
LP	SEQUOIA 2106 1MOH-12	475106.50'	2063663.29'	N36° 18' 18.02"	W97° 47' 02.25"	532' FSL 380' FEL	12-21N-6W
BHL	SEQUOIA 2106 1MOH-12	479683.93'	2063637.83'	N36° 19' 03.28"	W97° 47' 02.43"	165' FNL 380' FEL	12-21N-6W
W2	BONZAI 2105 1MOH-18	474795.23'	2063819.34'	N36° 18' 14.93"	W97° 47' 00.35"	222' FSL 225' FEL	12-21N-6W
LP	BONZAI 2105 1MOH-18	474422.37'	2064707.75'	N36° 18' 11.23"	W97° 46' 49.51"	165' FNL 660' FWL	18-21N-5W
BHL	BONZAI 2105 1MOH-18	469484.59'	2064755.71'	N36° 17' 22.40"	W97° 46' 49.06"	165' FSL 660' FWL	18-21N-5W

DATE STAKED: 10/24/2018



Prepared By:
Pan-Op Survey & Consulting, LLC
11900 N MacArthur Blvd.
Suite C2
Oklahoma City, OK 73162
CA# 8166

REVISIONS

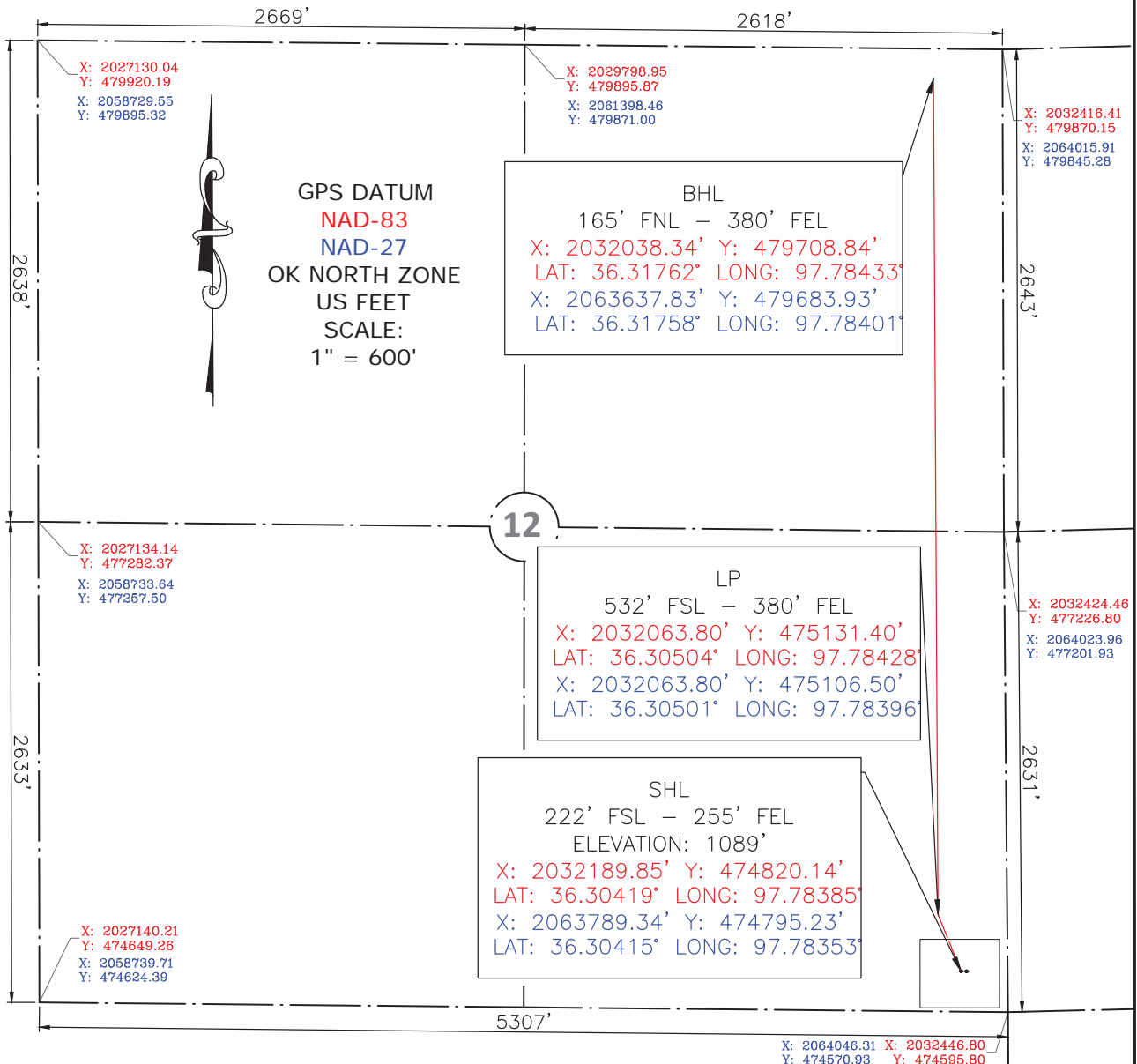
No.	DATE	BY	DESCRIPTION	COMMENTS
0	10/24/18	MVA	ISSUED FOR APPROVAL	--
1	10/26/18	MVA	CHANGED LOGO AND MADE DATUM CALL LARGER	--
2	10/29/18	CDC	ADDITIONAL LABELS	--
3	10/31/18	CDC	ADD ELEVATIONS	

EXHIBIT: A
SHEET: 11x17

SEQUOIA 2106 1MOH-12

Section 12 Township 21N Range 6W I.M.County GARFIELD 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.



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.

C. Culpepper 10/31/18
Oklahoma RPLS
No. 1980

PAN-OP
SURVEY & CONSULTING

Prepared By:
Pan-Op Survey & Consulting, LLC
11900 N. MacArthur Blvd.
Suite C2
Oklahoma City, OK 73162
CA# 8166

DATE STAKED: 10/24/18