

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

API NUMBER: 073 26525

Approval Date: 03/27/2019

Expiration Date: 09/27/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 16N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 1640

Lease Name: LUIGI 1605

Well No: 5LOH-19

Well will be 250 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

SHARON KADAVY
22770 E 810 ROAD
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	6970	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658364

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901415
201901409

Special Orders:

Total Depth: 12300

Ground Elevation: 1076

Surface Casing: 460

Depth to base of Treatable Water-Bearing FM: 210

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAINS

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

PERMIT NO: 19-36368

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAINS

HORIZONTAL HOLE 1

Sec 19 Twp 16N Rge 5W County KINGFISHER

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: 6348

Radius of Turn: 382

Direction: 170

Total Length: 5352

Measured Total Depth: 12300

True Vertical Depth: 7300

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/15/2019 - 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

3/15/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201901409

3/27/2019 - GA8 - 19-16N-5W
X658364 MSNLC
3 WELLS
CHAPARRAL ENERGY, LLC
REC 3/25/2019 (DENTON)

PENDING CD - 201901415

3/27/2019 - GA8 - (E.O.) 19-16N-5W
X658364 MSNLC
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
NO OP. NAMED
REC 3/12/2019 (NORRIS)

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

073 26525 LUIGI 1605 5LOH-19

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

SPACING - 658364

Description

3/27/2019 - GA8 - (640)(HOR) 19-16N-5W
EXT OTHER EST MSNLC, OTHERS
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER #59564/61637 W2 & SP. ORDER #59564/61637/187296 E2)

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

LUIGI 1605 5LOH-19

35-073-26525

COVER SHEET

Section 18 Township 16N Range 5W I.M.

Well: LUIGI 1605 5LOH-19

County KINGFISHER State Oklahoma

Well: _____

Operator Chaparral Energy
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
SHL	LUIGI 1605 5LOH-19	312032.48'	2037057.11'	N35.8569679074°	W97.7686485229°	250' FSL 1640' FEL	18-16N-5W
LP	LUIGI 1605 5LOH-19	311615.65'	2038320.85'	N35.8558144653°	W97.7643873778°	165' FNL 380' FEL	19-16N-5W
BHL	LUIGI 1605 5LOH-19	306680.33'	2038334.83'	N35.8422563845°	W97.7643805898°	165' FSL 380' FEL	19-16N-5W

GPS DATUM NAD-27 OK NORTH ZONE

POINT	NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
SHL	LUIGI 1605 5LOH-19	312009.10'	2068656.65'	N35.8569256399°	W97.7683182212°	250' FSL 1640' FEL	18-16N-5W
LP	LUIGI 1605 5LOH-19	311592.26'	2069920.38'	N35.8557721374°	W97.7640571926°	165' FNL 380' FEL	19-16N-5W
BHL	LUIGI 1605 5LOH-19	306656.94'	206934.34'	N35.8422137195°	W97.7640505612°	165' FSL 380' FEL	19-16N-5W

DATE STAKED: 3/8/2019



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

REVISIONS

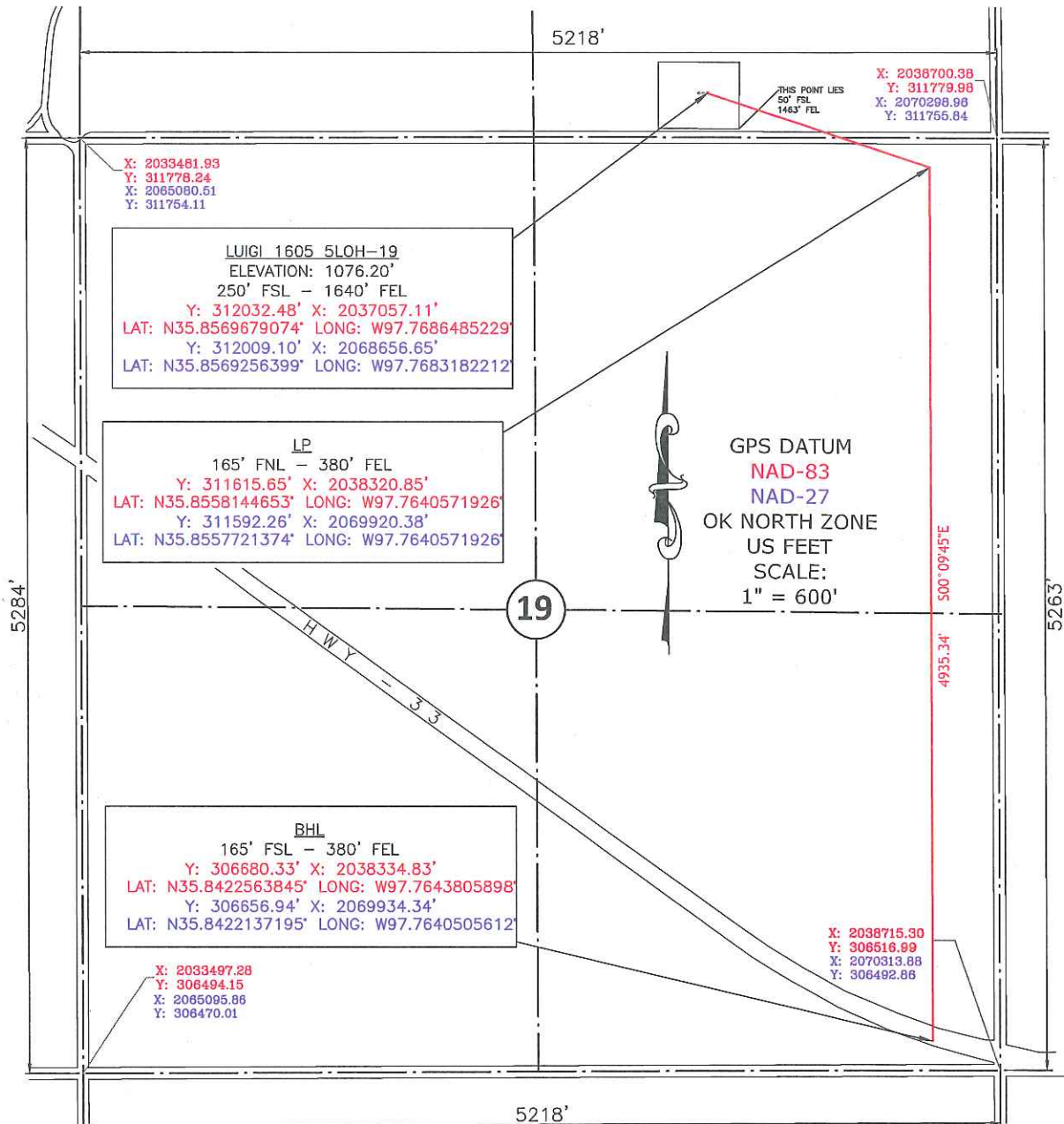
No.	DATE	BY	DESCRIPTION	COMMENTS
0	3/13/2019	CDC	ISSUE FOR APPROVAL	--
1	3/15/2019	CDC	LUIGI 3LOH-19 BHL COVER SHEET	
2	3/25/2019	CDC	MOVE LP & BHL - LUIGI #3 & LUIGI #5	

EXHIBIT: C
SHEET: 11x17

LUIGI 1605 5LOH-19

Section 18 Township 16N Range 5W I.M.
County KINGFISHER State Oklahoma
Operator 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
11800 N. MacArthur Blvd.
Suite C2
Oklahoma City, OK 73162
CAF 5186

DATE STAKED: 3/8/2019

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 3/25/19
Oklahoma RPLS
No. 1980

