

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

API NUMBER: 073 25427

Approval Date: 11/17/2016
Expiration Date: 05/17/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: KINGFISHER

SPOT LOCATION: SE SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 233 1270

Lease Name: LUIGI 1605

Well No: LUMH-19

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

LINDA KADAVY MCDONALD
7216 NW 118TH
OKLAHOMA CITY OK 73162

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

Name	Depth	Name	Depth
1 MISS'AN (EX CHESTER)	6883	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601744
201601672

Special Orders:

Total Depth: 12150

Ground Elevation: 1062

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31831

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 19 Twp 16N Rge 5W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6283

Radius of Turn: 600

Direction: 179

Total Length: 4924

Measured Total Depth: 12150

True Vertical Depth: 6960

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

Additional Surface Owner	Address	City, State, Zip
GEORGANN HULL	5815 151ST STREET	BIXBY, OK 47008

Notes:

Category	Description
HYDRAULIC FRACTURING	11/17/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.
PENDING CD - 201601672	11/17/2016 - G60 - (I.O.) 19-16N-5W X201601744 MSNLC COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 550' FWL NO OP. NAMED REC. 9/7/16 (NORRIS)
PENDING CD - 201601744	11/17/2016 - G60 - (640)(HOR) 19-16N-5W EST MSNLC, OTHERS EXT OTHER POE TO BHL NCT 660' FB (COEXIST WITH SP. ORDER 59564/61637 W2; SP. ORDER 59564/61637/187296 E/2) REC. 9/7/16 (NORRIS)

3507325427

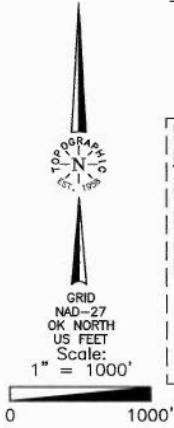
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

KINGFISHER

County, Oklahoma

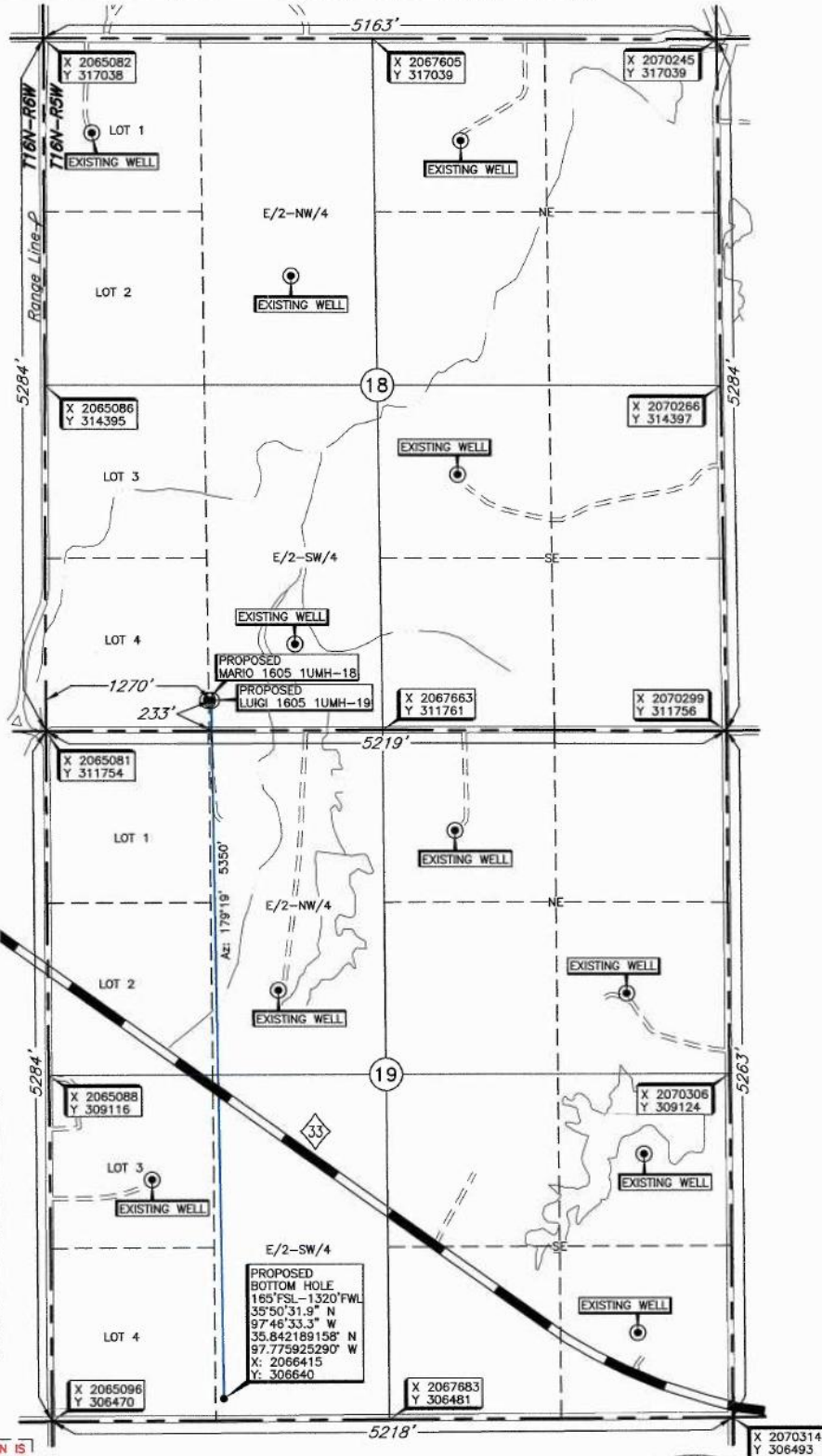
233'FSL-1270'FWL Section 18 Township 16N Range 5W I.M.



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

Operator: CHAPARRAL ENERGY, LLC.
 Lease Name: LUIGI 1605
 Topography & Vegetation Loc. fell in plowed wheat field.
 Well No.: 1UMH-19
 ELEVATION: 1062' Gr. at Stake

Good Drill Site? Yes
 Best Accessibility to Location From South of county road
 Distance & Direction from Hwy Jct or Town From the junction of St. Hwy 33 & St. Hwy 74 F. North of Cashion, Oklahoma. go ± 6 miles West on St. Hwy 33, then ± 0.2 miles North to the Southwest Corner of Section 18, T16N-R5W.
 Reference Stakes or Alternate Location Stakes Set None



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

DATUM: NAD-27
 LAT: 35°51'24.8" N
 LONG: 97°46'34.0" W
 LAT: 35.856886804° N
 LONG: 97.776100465° W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2066351
 Y: 311990

Invoice # 266077A Date of Drawing: Oct. 6, 2016
 Date Staked: Oct. 5, 2016 NMB

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

