

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

API NUMBER: 017 25524

Approval Date: 09/13/2019

Expiration Date: 03/13/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 12N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 235 1105

Lease Name: DENALI 1206

Well No: 5SMH-20

Well will be 235 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

SCOTT R. & SONIA M. HAYES
8908 LEHMAN ROAD
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8840	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 667934

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904364
201904362

Special Orders:

Total Depth: 14000

Ground Elevation: 1315

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 320

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 BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 19-36947

H. SEE MEMO

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 20 Twp 12N Rge 6W County CANADIAN

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: 8457

Radius of Turn: 382

Direction: 360

Total Length: 4943

Measured Total Depth: 14000

True Vertical Depth: 9115

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

Notes:

Category	Description
DEEP SURFACE CASING	9/9/2019 - 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	9/9/2019 - 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	9/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - PURCELL CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201904362	9/13/2019 - GC2 - 20-12N-6W X667934 MSSP 3 WELLS NO OP. NAMED HEARING 9-16-2019

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.

017 25524 DENALI 1206 5SMH-20

PENDING CD - 201904364

9/13/2019 - GC2 - (E.O.) 20-12N-6W
X667934 MSSP
X165:10-3-28 MSSP
MAY BE CLOSER THAN 600' TO MARGARET "O" 20-1, LEHMAN 20-1 WELLS
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
CHAPARRAL ENERGY, LLC
REC. 8-30-2019 (NORRIS)

SPACING - 667934

9/13/2019 - GC2 - (640)(HOR) 20-12N-6W
EXT 631353 MSSP, OTHERS
NCT 660' FB
(COEXIST SP. ORDER # 130956 MISS)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

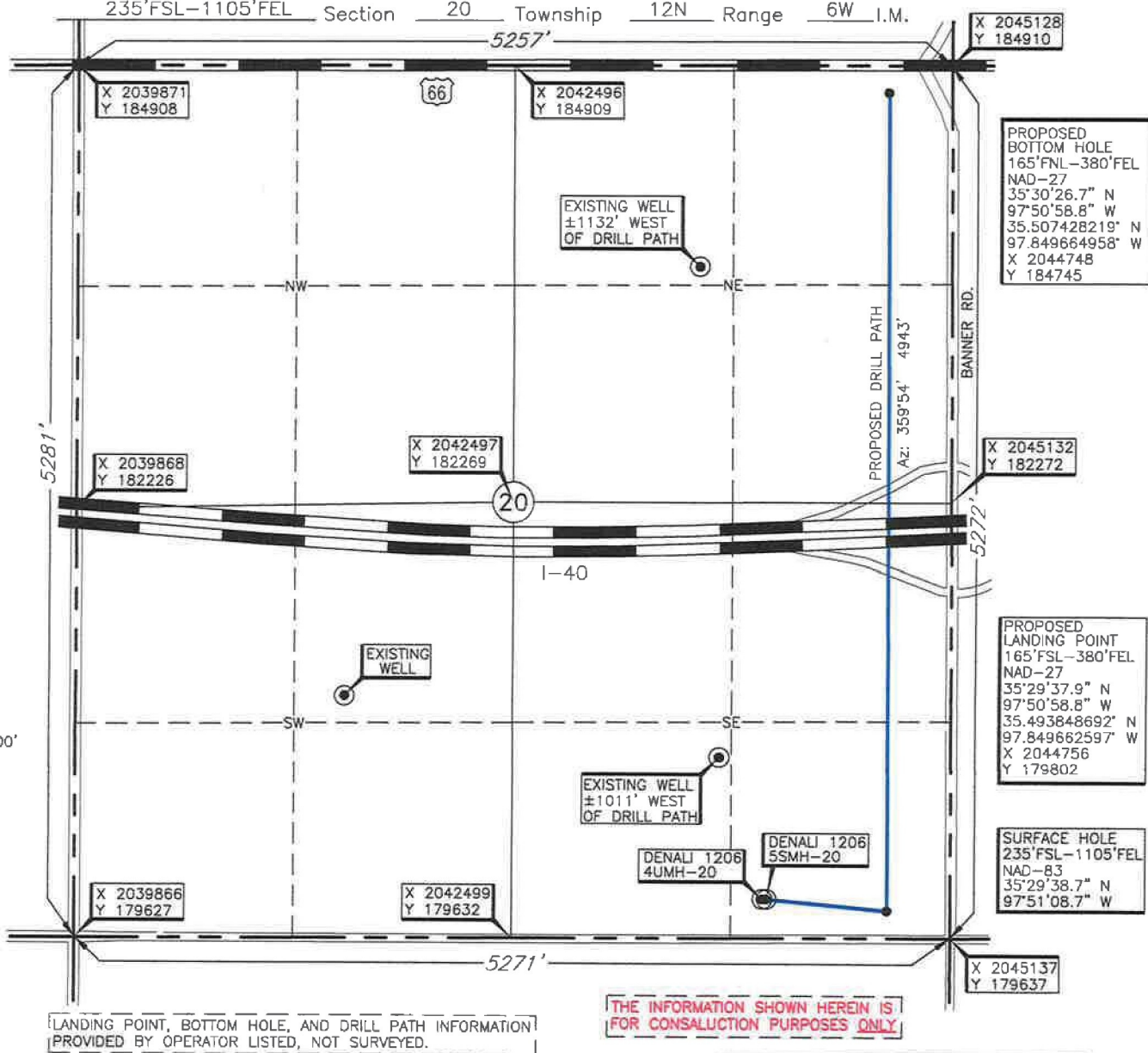
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

API: 017-25524

CANADIAN

County, Oklahoma

235'FSL-1105'FEL Section 20 Township 12N Range 6W I.M.



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

THE INFORMATION SHOWN HEREIN IS FOR CONSULTATION PURPOSES ONLY

Operator: CHAPARRAL ENERGY, LLC

Lease Name: DENALI 1206

Well No.: 5SMH-20

Topography & Vegetation Fell in grass pasture.

ELEVATION:

1315' Gr. at Stake (NGVD29)

1315' Gr. at Stake (NAVD88)

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road.

Distance & Direction From Hwy Jct or Town From the junction of Banner Rd. and I-40 go South ±0.5 mile to the Southeast Corner of Section 20, T12N-R6W.

DATUM: NAD-27
LAT: 35°29'38.5" N
LONG: 97°51'07.6" W
LAT: 35.494040005° N
LONG: 97.852097848° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2044031
Y: 179870

Revision ☒ A

Date of Drawing: Sep. 5, 2019

Project # 129466 Date Staked: Aug. 29, 2019 AL/TR

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

