

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

API NUMBER: 017 25144 A

Approval Date: 12/15/2017
Expiration Date: 06/15/2018

Horizontal Hole Oil & Gas

Amend reason: REQUEST FOR EXCEPTION TO RULE 165
(SURFACE CASING)

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 10N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 232 999

Lease Name: HOOD 1006

Well No: 1UMH-5

Well will be 232 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

KEVIN & JENNIFER BORNEMANN
9600 SOUTH MANNING ROAD
UNION CITY OK 73090

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9606	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 243747

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707255

Special Orders:

Total Depth: 15150

Ground Elevation: 1294

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 17-33482

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: DUNCAN

HORIZONTAL HOLE 1

Sec 05 Twp 10N Rge 6W County CANADIAN

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 9281

Radius of Turn: 506

Direction: 179

Total Length: 5075

Measured Total Depth: 15150

True Vertical Depth: 9880

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

Notes:

Category

Description

DEEP SURFACE CASING

1/31/2018 - 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

11/20/2017 - 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

11/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201707253

12/8/2017 - G58 - (I.O.) 5-10N-6W
X243747 MSSP
1 WELL
NO OP. NAMED
REC 11/14/2017 (MINMIER)

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.

017 25144 HOOD 1006 1UMH-5

Category	Description
PENDING CD - 201707255	12/8/2017 - G58 - (I.O.) 5-10N-6W X243747 MSSP X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO MCCOMAS 5-1 & BORNEMANN 2-5 WELLS COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 11/14/2017 (MINMIER)
SPACING - 243747	12/8/2017 - G58 - (640) 5-10N-6W EST OTHERS EXT OTHERS EXT 231308/239218 MSSP, OTHERS

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

CANADIAN

County, Oklahoma

232'FNL-974'FEL Section 5 Township 10N Range 6W I.M.

X 2045255
Y 137310

PROPOSED
FIRST TAKE POINT
165'FNL-380'FEL
35°22'36.0" N
97°50'58.1" W
35.376661344' N
97.849479983' W
X: 2044877
Y: 137145

PROPOSED
BOTTOM HOLE
165'FSL-380'FEL
35°21'47.4" N
97°50'57.7" W
35.363166011' N
97.849350319' W
X: 2044923
Y: 132233

X 2045305
Y 132070

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

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

Operator: CHAPARRAL ENERGY, LLC.

Lease Name: HOOD 1006

Well No.: 1UMH-5

ELEVATION:

1295' Gr. at Stake

Topography & Vegetation Loc. fell in corn field with terrace

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction

From Hwy Jct or Town From the junction of US Hwy 40/US Hwy 270 & Banner Road, East of El Reno, Oklahoma,
go ± 8.5 miles South on Banner Road to the Northeast Corner of Section 5, T10N-R6W.

DATUM: NAD-27

LAT: 35°22'35.3" N

LONG: 97°51'05.3" W

LAT: 35.376480410' N

LONG: 97.851470780' W

STATE PLANE

COORDINATES (US FEET):

ZONE: OK NORTH

X: 2044283

Y: 137078

Invoice # 288530 Date of Drawing: Feb. 8, 2018

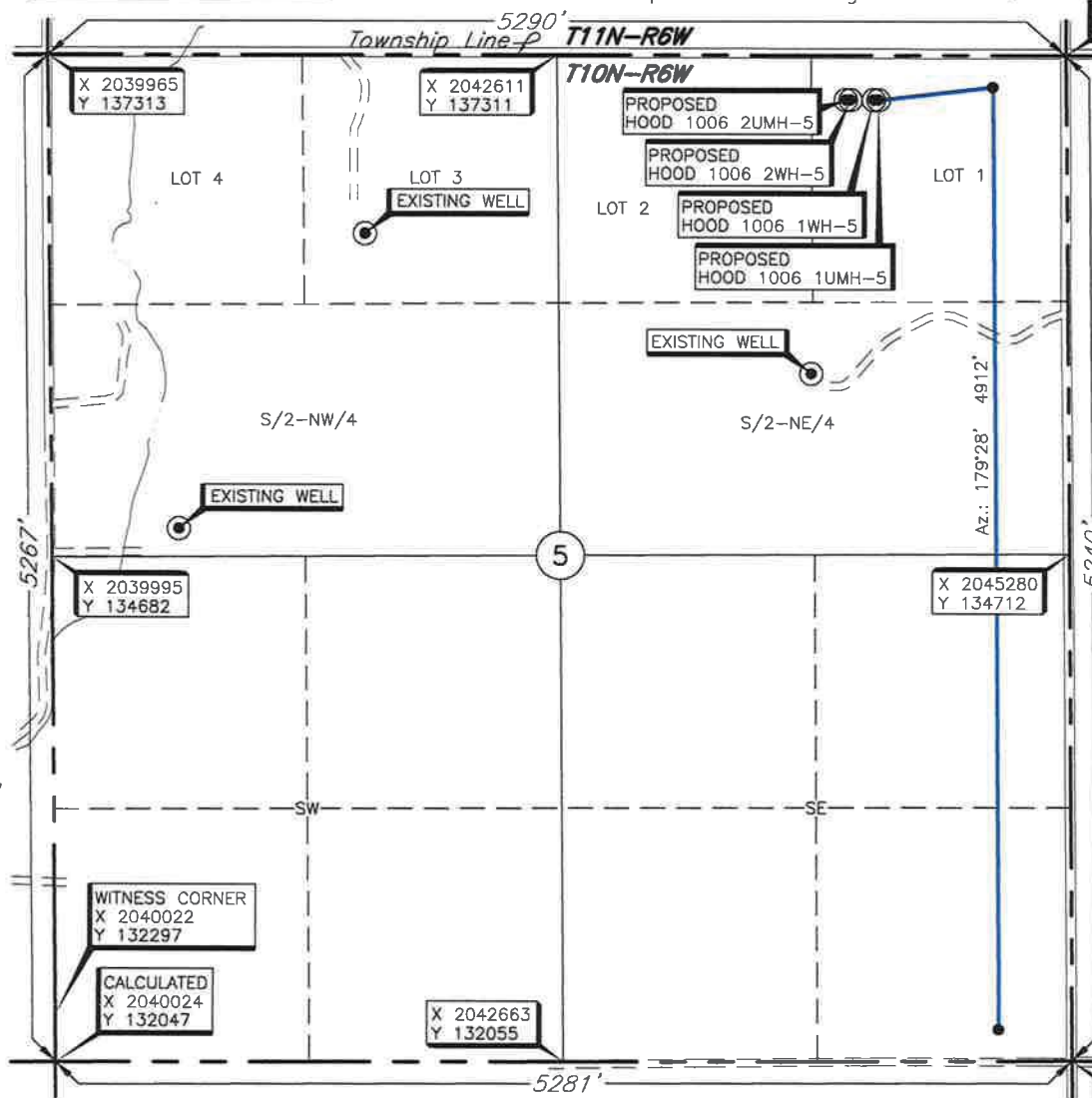
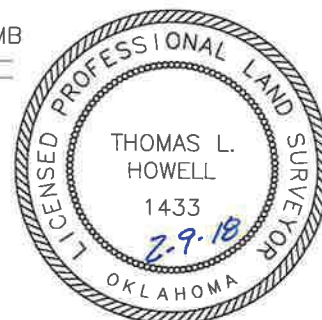
Date Staked: Nov. 7, 2017

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 Reg. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy