

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

API NUMBER: 047 25164

Approval Date: 08/15/2018

Expiration Date: 02/15/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 21N Rge: 6W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 233 600

Lease Name: SAVAGE 2106

Well No: 1LMH-11

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

ROSEMARY K. BREDHOFT TRUST
708 EAST FOURTH ST
PANA IL 62557

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6213	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803923
201803925
201803926

Special Orders:

Total Depth: 11521

Ground Elevation: 1104

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: 18-34505
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 11 Twp 21N Rge 6W County GARFIELD

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 5668

Radius of Turn: 573

Direction: 181

Total Length: 4952

Measured Total Depth: 11521

True Vertical Depth: 6721

End Point Location from Lease,

Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
BRUCE B. BREDEHOFT	580 HILLWOOD DR	COOKVILLE, TN 38506
ESTATE OF JAMES D. BREDEHOFT	1508 HOECHESTER RD	SPRINGFIELD, IL 62712

Notes:

Category

Description

HYDRAULIC FRACTURING

7/12/2018 - 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

PENDING CD - 201803923

7/25/2018 - G57 - (640)(HOR) 11-21N-6W
EXT 615326 MSSP
POE TO BHL NCT 660' FB
(COEXIST W/ SP. 59432 MISS)
REC 8-13-2018 (P. PORTER)

PENDING CD - 201803925

7/25/2018 - G57 - (I.O.) 11-21N-6W
X201803923 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL
NO OP. NAMED
REC 8-13-2018 (P. PORTER)

PENDING CD - 201803926

7/25/2018 - G57 - (I.O.) 11-21N-6W
X165:10-3-28(C)(2)(B) MSSP (SAVAGE 2106 1LMH-11) MAY BE CLOSER THAN 600' TO THE BREDEHOLFT "A" 1 & MEIER 1-11
CHAPARRAL ENERGY, LLC.
REC 8-13-2018 (P.PORTER)

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

047 25164 SAVAGE 2106 1LMH-11

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.

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

API:047 25164

GARFIELD

County, Oklahoma

233'FNL-600'FWL Section 11 Township 21N Range 6W I.M.

X 2053473
Y 479949

5257'

PROPOSED
LANDING POINT
165'FNL-380'FWL
36°19'04.4" N
97°49'01.9" W
36.317898737" N
97.817198687" W
X: 2053856
Y: 479780

KIMBER 2106 1LMH-2

PROPOSED
SURFACE HOLE
233'FNL-600'FWL
NAD-83 (US FEET)
36°19'03.9" N
97°49'00.4" W

X 2056109
Y 479923

X 2058730
Y 479895

Az: 179°27' 4952'

X 2053520
Y 477305

X 2058734
Y 477258

PROPOSED
BOTTOM HOLE
165'FSL-380'FWL
36°18'15.5" N
97°49'01.5" W
36.304294748" N
97.817069775" W
X: 2053903
Y: 474828

EXISTING WELL
151' E. of DRILL PATH

EXISTING WELL
128' W. of DRILL PATH

X 2056131
Y 474645

X 2058740
Y 474625

X 2053524
Y 474666

5216'

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

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY



GRID
NAD-27
OK NORTH
US FEET
Scale:
1" = 1000'

0 1000'

Operator: CHAPARRAL ENERGY, LLC.

Lease Name: SAVAGE 2106

Well No.: 1LMH-11

ELEVATION:

1104' Gr. at Stake (NAVD 88)

1104' Gr. at Stake (NGVD 29)

Topography & Vegetation Location fell in pasture

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 US Hwy 81 & US Hwy 412/US Hwy 60 in Enid, Oklahoma, go ± 5 miles South on
US Hwy 81, then ± 4 miles East to the Northwest Corner of Section 11, T21N-R6W.

DATUM: NAD-27

LAT: 36°19'03.7" N

LONG: 97°48'59.2" W

LAT: 36.317704642° N

LONG: 97.816448132° W

STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH

X: 2054077

Y: 479710

Date of Drawing: May 8, 2018

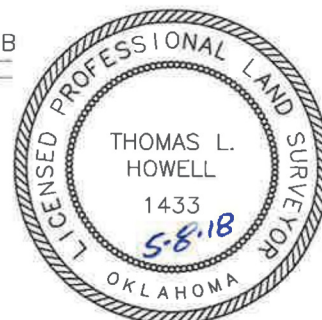
Invoice # 293478 Date Staked: May 2, 2018

NB

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.