

API NUMBER: 017 25096

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

Approval Date: 10/31/2017
Expiration Date: 04/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 285 1285

Lease Name: LASSEN 1107

Well No: #1UMH-15

Well will be 285 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

SIEGRIST FARMS, LLC, C/O DAVID SIEGRIST
1107 S. HOFF
EL RENO OK 73036

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10280	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601764
201706457
201705902

Special Orders:

Total Depth: 15600

Ground Elevation: 1408

Surface Casing: 620

Depth to base of Treatable Water-Bearing FM: 370

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: DOG CREEK

D. One time land application -- (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 17-33283

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: DOG CREEK

HORIZONTAL HOLE 1

Sec 15 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 800

Depth of Deviation: 9760

Radius of Turn: 553

Direction: 184

Total Length: 4971

Measured Total Depth: 15600

True Vertical Depth: 10360

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/13/2017 - 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

10/13/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201601764

10/31/2017 - G60 - (640)(HOR) 15-11N-7W
EXT 647473 MSSP, OTHER
COMPL. INT. NCT 660'FB
(COEXST WITH SP. ORDER 492733 MSSLM)
REC. 7/11/17 (THOMAS)

PENDING CD - 201705902

10/31/2017 - G60 - (I.O.) 15-11N-7W
X201601764 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL
REC. 9/25/17 (M. PORTER)

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 25096 LASSEN 1107 #1UMH-15

Category

PENDING CD - 201706457

Description

10/31/2017 - G60 - (I.O.) 15-11N-7W
X165:10-3-28(C)(2)(B) MSSP
MAY BE CLOSER THAN 600' TP THE PETTIGREW A#1
CHAPARRAL ENERGY, LLC.
REC. 10/16/17 (M. PORTER)

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.

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

3501725096

CANADIAN

County, Oklahoma

285'FNL-1285'FWL Section 15 Township 11N Range 7W I.M.

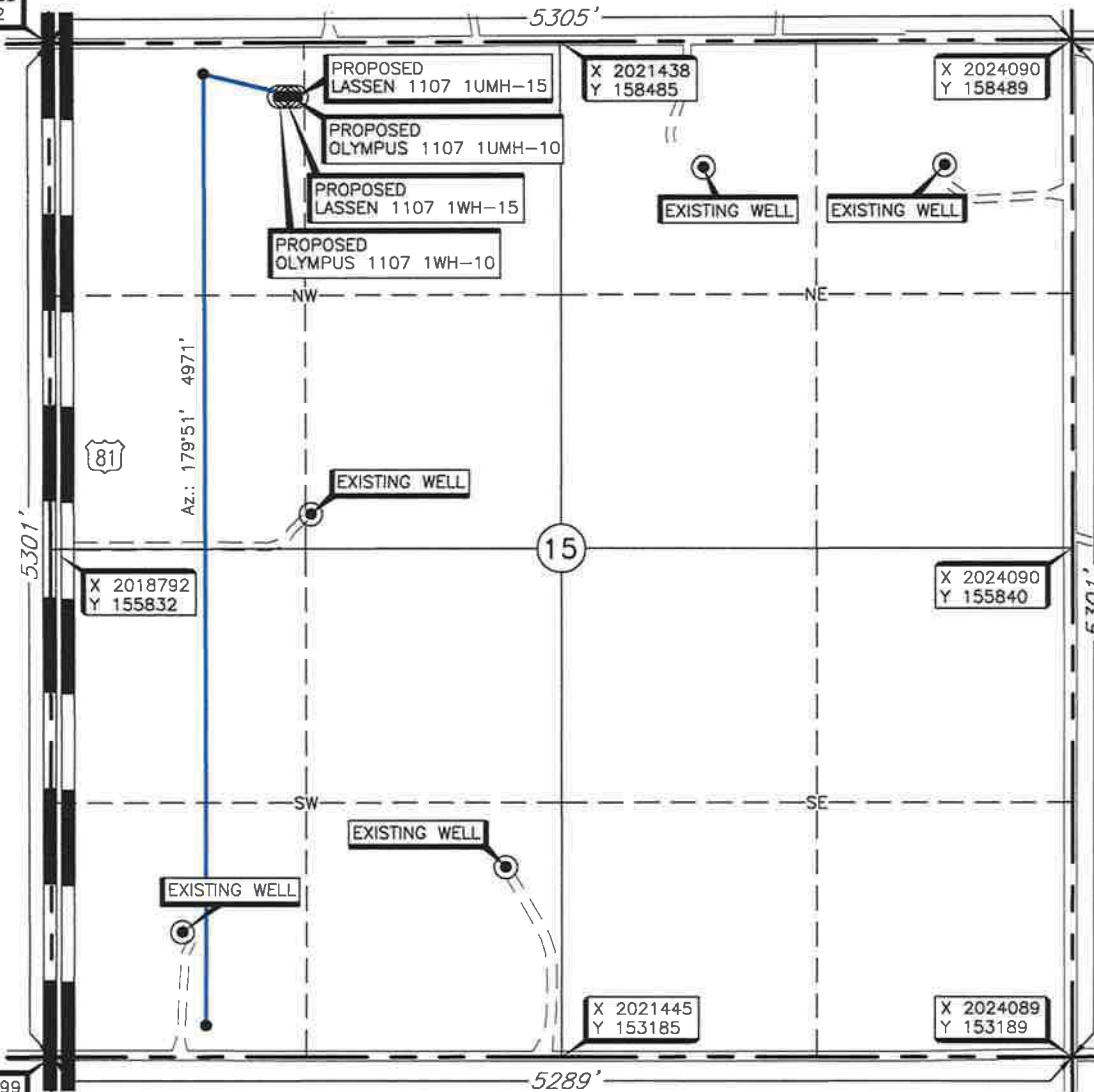
X 2018785
Y 158482

PROPOSED
SURFACE HOLE
NAD-83
35°26'04.7" N
97°55'58.6" W

PROPOSED
FIRST TAKE POINT
165'FNL-800'FWL
35°26'05.7" N
97°56'03.3" W
35.434905157° N
97.934261292° W
X: 2019586
Y: 158318

PROPOSED
BOTTOM HOLE
165'FSL-800'FWL
35°25'16.5" N
97°56'03.2" W
35.421249688° N
97.934228113° W
X: 2019599
Y: 153347

X 2018799
Y 153181



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: LASSEN 1107

Well No.: 1UMH-15

ELEVATION:

1408' Gr. at Stake (NGVD 88)

1407' Gr. at Stake (NGVD 29)

Topography & Vegetation Loc. fell in sloping 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 the junction of US Hwy 81 & St. Hwy 152 in Union City, Oklahoma, go ± 3 miles
North on US Hwy 81 to the Northwest Corner of Section 15, T11N-R7W.

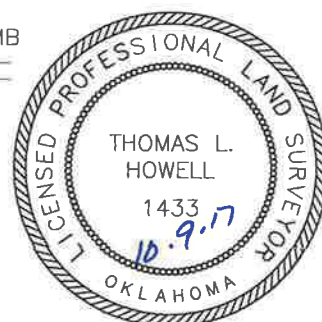
DATUM: NAD-27
LAT: 35°26'04.5" N
LONG: 97°55'57.5" W
LAT: 35.434575891° N
LONG: 97.932632721° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2020071
Y: 158198

Invoice # 282214 Date of Drawing: Oct. 9, 2017
Date Staked: Oct. 5, 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