

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

API NUMBER: 073 25591

Approval Date: 03/30/2017
Expiration Date: 09/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 18N Rge: 7W County: KINGFISHER
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 319 158

Lease Name: LOW VALLEY 1807 Well No: 1LMH-36 Well will be 158 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

BEATRIX BARR
PO BOX 217
DOVER OK 73734

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	7514	6
2			7
3			8
4			9
5			10

Spacing Orders: 628177

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700948

Special Orders:

Total Depth: 13000

Ground Elevation: 1089

Surface Casing: 510

Depth to base of Treatable Water-Bearing FM: 260

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32282

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 36 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 410

Depth of Deviation: 7115

Radius of Turn: 584

Direction: 179

Total Length: 4967

Measured Total Depth: 13000

True Vertical Depth: 7715

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/29/2017 - 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/](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 - 201700948

3/30/2017 - G60 - (I.O.) 36-18N-7W
X628177 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
NO OP. NAMED
REC. 3/6/17 (THOMAS)

SPACING - 628177

3/30/2017 - G60 - (640) 36-18N-7W
EST MSSP
COMPL. INT NLT 660' FB
(COEXIST WITH SP. ORDER 34429 BPMSU)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

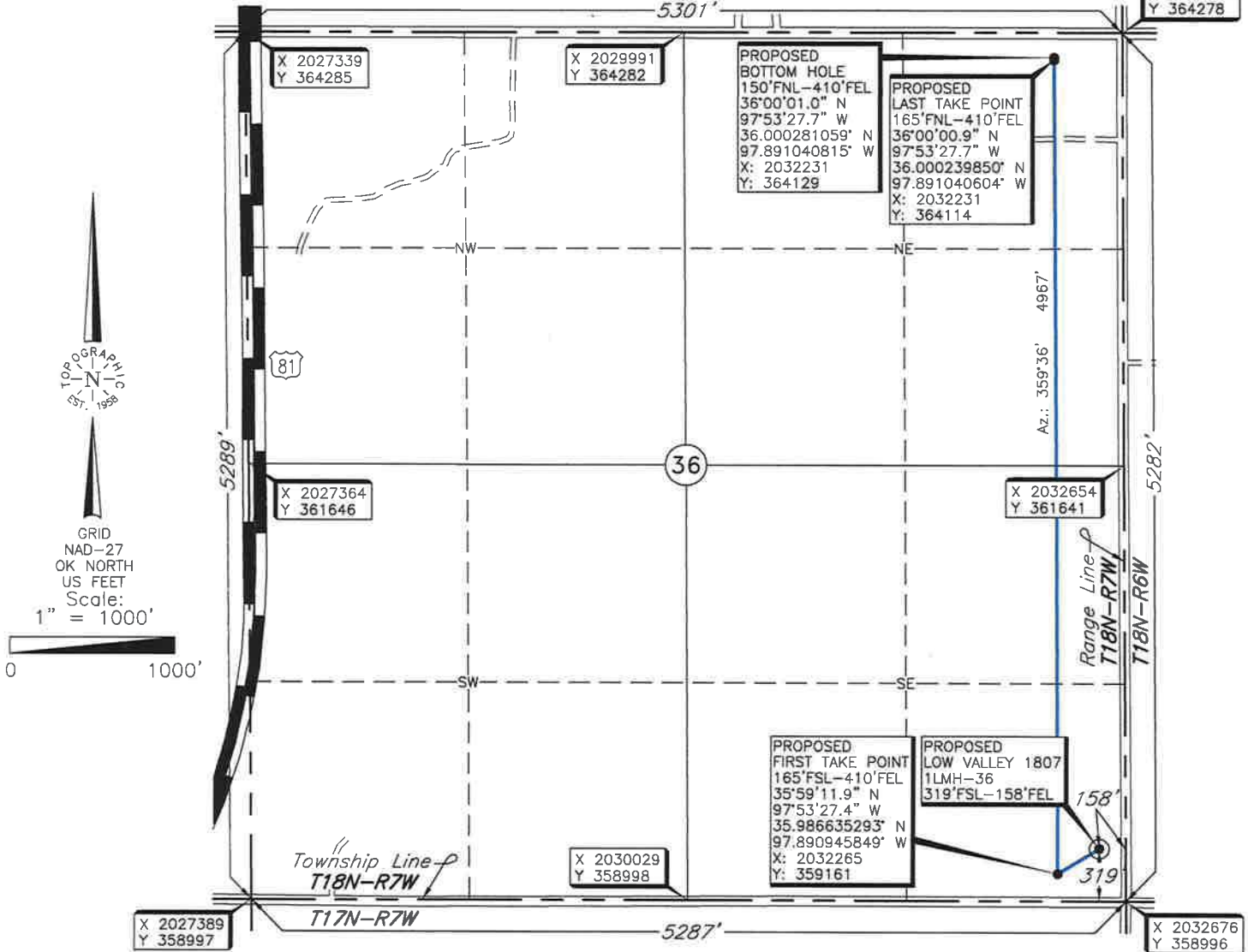
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

3507325591

KINGFISHER

County, Oklahoma

319'FSL-158'FEL Section 36 Township 18N Range 7W I.M.



FIRST TAKE POINT, LAST 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: LOW VALLEY 1807

Well No.: 1LMH-36 **ELEVATION:** 1089' Gr. at Stake

Topography & Vegetation Loc. fell in wheat field

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 Dover, Oklahoma, go ± 0.25 mile North on US Hwy 81, then ± 1.2 miles East to the Southeast Corner of Section 36, T18N-R7W.

Date of Drawing: Mar. 3, 2017

Invoice # 269763 Date Staked: Mar. 2, 2017 NMB/JP

DATUM: NAD-27
 LAT: 35°59'13.4" N
 LONG: 97°53'24.4" W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2032515
 Y: 359315

CERTIFICATE:

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

[Signature]
 Oklahoma Reg. No. 1778



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