API NUMBER: 017 25237

Oil & Gas

Horizontal Hole

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

Approval Date: 06/26/2018 12/26/2018 Expiration Date:

16896 0

Well will be 290 feet from nearest unit or lease boundary.

OTC/OCC Number:

PERMIT TO DRILL

							FLIXIVII	1 10	DRILL	
WELL LOCATION:	Sec: 28	Twp: 12N	Rge: 6\	W Co	unty:	CANA	ADIAN			
SPOT LOCATION:	SES	V SE	SE	FEET FROM QUART	ER: FR	ROM	SOUTH	FROM	EAST	
				SECTION LINES:			290		925	
Lease Name: ANDES 1206					Well No: 2UMH-28					
Operator CHAPARRAL ENERGY LLC Name:						Teleph	ione:	4054264451; 40)54264	

NORMA J. HINTON & JAMES ARGUS HINTON NORMA J. HINTON FAMILY TRUST

6913 WATERWOOD WAY

OKLAHOMA CITY OK 73132

CHAPARRAL ENERGY LLC 701 CEDAR LAKE BLVD OKLAHOMA CITY. 73114-7800 OK

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8890	6	
2			7	
3			8	
4			9	
5			10	
Spacing Orders: No Spacing		Location Exception Orders:		Increased Density Orders:
Pending CD Nur	mbers: 201707576			Special Orders:

201804580

201804579

Total Depth: 13720 Ground Elevation: 1322 Surface Casing: 1500 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

Approved Method for disposal of Drilling Fluids: 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?

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: 18-34752

H. SEE MEMO

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 28 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: NW NW NE NE
Feet From: NORTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 1080

Depth of Deviation: 8174
Radius of Turn: 382
Direction: 357
Total Length: 4946

Measured Total Depth: 13720

True Vertical Depth: 8910

End Point Location from Lease,
Unit, or Property Line: 290

Notes:

MEMO

Category Description

DEEP SURFACE CASING 6/18/2018 - 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 6/18/2018 - 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 6/18/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201707576 6/19/2018 - G57 - (640)(HOR) 28-12N-6W

EXT 631353 MSSP, OTHERS POE TO BHL NCT 660' FB

(COEXIST WITH SP. ORDER #130956 MISS)

6-8-2018 (MINMIER)

Category Description

PENDING CD - 201804579 6/19/2018 - G57 - 28-12N-6W

X201707576 MSSP

3 WELLS

CHAPARRAL ENERGY, LLC.

HEARING 7-9-2018

PENDING CD - 201804580 6/19/2018 - G57 - (E.O.) 28-12N-6W

X201707576 MSSP

X165:10-3-28(C)(2)(B) MSSP (ANDES 1206 2UMH-28) MAY BE CLOSER THAN 600' TO THE

HINTON 28-3

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL

NO OP. NAMED

REC 6-25-2018 (JACKSON)

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: 017 25237 CANADIAN __ County, Oklahoma <u> 290'FSL-925'FEL</u> Section <u>28</u> Township <u>12N</u> Range <u>6W I.M.</u> 5297' X 2045137 Y 179637 X 2047783 Y 179639 X 2050433 Y 179641 PROPOSED BOTTOM HOLE 165'FNL-1080'FEL 35'29'34.6" N 97'50'03.2" W 35.492931388° N 97.834223104° W X: 2049353 179475 4946 BANNER 56 359 si 2 5275 28 X 2045126 Y 177002 2050435 177003 GRID NAD-27 EXISTING WELL OK NORTH 912 W. OF DRILL PATH US FEET Scale: = 1000'1000 PROPOSED SURFACE HOLE 290'FSL-925'FEL NAD-83 (US FEET) PROPOSED 35'28'47.1" N 97'50'02.5" W PROPOSED LANDING POINT 165'FSL-1080'FEL 35'28'45.6" N 97'50'03.2" W 35.479342918' N PROPOSED ANDES 1206 1UMH-28 97.834230665° W X: 2049359 2045134 174359 X 2047784 174529 Y 174362 5305 2050440 174365 LANDING POINT, BOTTOM HOLE AND DRILL PATH THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. **ELEVATION:** Operator: CHAPARRAL ENERGY, LLC. 1323' Gr. at Stake (NAVD 88) Lease Name: ANDES 1206 1322' Gr. at Stake (NGVD 29) Well No.: 2UMH-28 Topography & Vegetation _ Location fell in cut. sloped wheat field Reference Stakes or Alternate Location Good Drill Site? _____ Yes Stakes Set None From South off county road Best Accessibility to Location ___ Distance & Direction From the junction of I-40 & Banner Road, go \pm 1.5 miles South on Banner Road, then from Hwy Jct or Town ± 1 mile East to the Southeast Corner of Section 28, T12N-R6W Date of Drawing: __June 15, 2018 DATUM: NAD-27 Invoice # 295643A Date Staked: <u>June 14, 2018</u> LAT: 35°28'46.9" N NB LONG: 97'50'01.4" W **CERTIFICATE:** LAT: 35.479686126° N Thomas L. Howell CENSED LONG: 97.833710373° W SURVE _an Oklahoma Licensed Land THOMAS L. Surveyor and an authorized agent of Topographic Land HOWELL STATE PLANE Surveyors of Oklahoma, do hereby certify to the COORDINATES (US FEET): information shown herein. ZONE: OK NORTH OK LAHOMA SOLI X: 2049514 Oklahoma Reg. No. 1433 Y: 174654