API NUMBER: 017 25610

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

Approval Date:	03/03/2020
Expiration Date:	09/03/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: S	Section: 29	Townsl	nip: 11	N	Range:	8W	County:	CANADIA	ιN										
SPOT LOCATION: SW	SE :	SE SE		FEET FROM	QUARTER:	FROM	SOUTH	FROM	EAST										
				SECTI	ON LINES:		110		470										
_ease Name: KEV	/IN COM				١	Well No:	2-29H				Well wil	ll be	110	feet fro	om ne	arest u	nit or lea	se boui	dary.
Operator Name: CIMA	AREX ENERGY	со			Te	lephone:	9185851	100						01	TC/C	OCC Nu	ımber:	211	94 0
CIMAREX ENERG	GY CO																		
202 S CHEYENNE	E AVE STE	1000						KE	VIN MEY	ERS F	AMILY	TRU	ST						
TULSA,		OK	7	4103-30	001			29	2 COUNT	Y STRI	EET 27	770							
								MI	NCO					OK	7	3059			
Formation(s) (Pe	ermit Valid fo	r Listed F	orma	tions O	nlv):														
Name			de			epth													
1 WOODFORD		31	9WDF)		2200													
Spacing Orders: 70068	87				Location	on Excep	otion Order	s: No E	xceptions				Inc	reased D	Densi	y Orders	S: No E	ensity (rders
Spacing Orders. 70000																	No S		
	202000324													S	Specia	al Orders	5.	pecial C	rders
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	202000325	nd Elevation	: 1293	i	Su	rface (Casing:	1500			De	epth to		f Treatab	ble W	ater-Bea	aring FM:	340	
Pending CD Numbers:	202000325	nd Elevation	: 1293	1	Su	rface (Casing:	1500			De	epth to		f Treatab	ble W	ater-Bea		340	
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NOTES:

Category	Description
DEEP SURFACE CASING	2/28/2020 - 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	2/28/2020 - 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 - 202000324	3/2/2020 - G56 - (I.O.)(IRR UNIT) 29-11N-8W X700687 WDFD COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 1000' FEL NO OP NAMED
	REC 3/2/2020 (MOORE) PER ATTORNEY FOR OPERATOR
PENDING CD - 202000325	3/2/2020 - G56 - (IRR UNIT) 29-11N-8W X700687 WDFD 1 WELL NO OP NAMED REC 3/2/2020 (MOORE) PER ATTORNEY FOR OPERATOR
SPACING - 700687	3/2/2020 - G56 - (734.97)(HOR)(IRR UNIT) 29-11N-8W VAC OTHERS VAC 144223 WDFD EST WDFD, OTHER POE TO BHL NLT 165' FNL/FSL, NLT 330' FEL/FWL

13800 WIRELESS WAY, OKLA, CITY, OKLA, 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1292 LS CANADIAN _ County, Oklahoma 110'FSL-470'FEL 29 Township <u>11N</u> Range _ _Section ___ The 150' X= 1981936 147856 construction purposes information shown herein CALCULATED 1976647 CALCULATED MEANDER COR X= 1979585 Y= 147863 LOT 1 LOT 7 LOT 6 PROPOSED 150'FNL-1280'FEL NAD-27 (US Feet) 35'24'20.7" N 98'03'53.7" W X = 1981934Y= 147168 1979237 35.405762000° MEANDER COR DRILL 146320 1976593 98.064908220' W 1980656 Y= 146655 147710 for 1976590 29 MEANDER COR X= 1981879 Y= 144908 LOT 5 LOT 4 LOT 3 OGR40 LOT 2 -8-N-5 LANDING POINT 660'FSL-1280'FEL NAD-27 (US Feet) 35'23'38.6" N 98'03'54.3" W 35.394059089' N 557 1950 98.065089316 1980599 143450 SW/4-SW/4 GRID SE/4-SW/4 NAD-27 OK NORTH S/2-SE/4 US Feet 470 1000' X = 1981879LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. Operator: CIMAREX ENERGY CO. **ELEVATION:** Lease Name: KEVIN COM Well No.: _2-29H 1293' Gr. at Level Pad (NGVD29) Topography & Vegetation Loc. fell on existing pad. Reference Stakes or Alternate Location Yes Good Drill Site? _____ None Stakes Set __ Best Accessibility to Location From South off existing road. Distance & Direction From the junction of US Hwy. 81 and St. Hwy. 37, go ± 4.4 miles West, then ± 2 miles North, from Hwy Jct or Town then ± 1 mile West, then ± 1 mile North, then ± 1 mile West, then ± 1 mile North to the SE Cor. of Sec. 29-T11N-R8W. War ESSIONAL Revision X C Date of Drawing: Feb. 4, 2020 DATUM: NAD-27
LAT: 35'23'33.2"
LONG: 98'03'44.5" Project # <u>133004</u> Date Staked: <u>Oct. 2, 2018</u> TR Mo LAT: 35°23'33.2"N LONG: 98'03'44.5"W **CERTIFICATE:** LAT: 35.392561230°N LONG: 98.062370947°W CENSED SURVEYOR Thomas L. Howell __an Oklahoma Licensed Land THOMAS L th a Horiz./ Surveyor and an authorized agent of Topographic Land HOWELL STATE PLANE Surveyors of Oklahoma, do hereby certify to the 1433 COORDINATES: (US Feet) information shown herein OF LAHOMA ZONE: OK NORTH 1981409 142904 Oklahoma Lic. No. ____

TOPOGRAPHIC LAND SURVEYORS