API NUMBER: 011 24259 B

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

Approval Date: 03/11/2021

Expiration Date: 09/11/2022

Multi Unit Oil & Gas

Amend reason: AMENDING BHL AND UPDATING ORDERS

AMEND PERMIT TO DRILL

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WELL LOCATION:	Section:	27	Township	15N	Range	: 10W	County: I	BLAIN	E								
SPOT LOCATION:	SW NW	NW	NE	FEET FR	ROM QUARTER	:: FROM	NORTH	FROM	EAST								
				s	SECTION LINES	i:	388		2399								
Lease Name:	COLUMBINE 2	2_15_10-	15N-10W			Well No:	знхх			Well w	ill be	388	feet from	nearest un	it or leas	e bounda	ry.
Operator Name:	DEVON ENER	GY PROD	OUCTION (O LP	7	elephone:	40523536	611; 40	052353611;				ОТО	C/OCC Nui	nber:	20751	0
DEVON ENE	RGY PRODU	JCTION	I CO LP] [,	PERRY CAS	TONGUAY	AND	KARE	EN CAST	TONGUA	Y		
333 W SHER	IDAN AVE							2	26887 E 830	RD							
OKLAHOMA	CITY.		ОК	73102-	-5015			,	OMEGA				OK	73764			
0112111011111	···,		0.1		00.0			$ \; \;$	SIVILOA				OK	73704			
]									
Formation(s)	(Permit Val	d for Li			Only):			1									
Name			Code			Depth											
1 MISSISSIPF			359N			9555											
2 MISSISSIPF 3 WOODFORI			351M 319V			9555 11010											
	639827				Loo	ation Excep	tion Order	o. No	o Exceptions			Inc	creased De	nsity Orders	: 7154	56	
. 0	642784				LUCA	alion Excep	nion Orden	5					breased De	risity Orders	7154		
	302663														7179		
Pending CD Number	ers: 20210059) 4			١	Norking int	erest owne	ers' not	ified: ***				Spe	ecial Orders:	No Sp	ecial Orde	ers
	20210059	96															
Total Depth: 2	26812	Ground E	levation:	1502	s	urface (Casing:	600			Depth to	base o	of Treatable	Water-Bear	ring FM:	40	
							ŭ	Г					een surf	ace casir	ng has l	heen an	proved
								_					•		9		p.0.00
Under Federal Jurisdiction: No						Approved Method for disposal of Drilling Fluids:											
Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes					D. One time land application (REQUIRES PERMIT) PERMIT NO: 21-37527						7						
								Н	. (Other)		,	SEE ME	EMO				
PIT 1 INFOR	MATION								Cate	gory of Pit: C							
Type of	Pit System: CLC	SED CI	osed Syste	m Means S	Steel Pits			L	iner not require	d for Category	: C						
Type of Mud System: WATER BASED					Pit Location is: AP/TE DEPOSIT												
Chlorides Max: 8000 Average: 5000					Pit Location Formation: TERRACE												
Is depth to	top of ground wa	ter greate	r than 10ft	below base	e of pit? Y	,											
Within 1 i	mile of municipal	water well	l? N														
	Wellhead Prote	ction Area	? N														
Pit <u>is</u> lo	ocated in a Hydro	logically S	Sensitive A	ea.													
PIT 2 INFOR	MATION								Cate	gory of Pit: C							
Type of Pit System: CLOSED Closed System Means Steel Pits				L	Liner not required for Category: C												
Type of Mud System: OIL BASED					Pit Location is: AP/TE DEPOSIT												
Chlorides Max: 300000 Average: 200000				Pit Location F	Formation: Ti	ERRAC	E										
Is depth to	top of ground wa	ter greate	r than 10ft	below base	e of pit? Y	,											
Within 1 i	mile of municipal	water well	l? N														
	Wellhead Prote	ction Area	? N														
Pit <u>is</u> lo	ocated in a Hydro	logically S	Sensitive A	ea.													

MULTI UNIT HOLE 1

Section: 10 Township: 15N Range: 10W Meridian: IM Total Length: 15769

County: BLAINE Measured Total Depth: 26812

Spot Location of End Point: NE NW NE NW True Vertical Depth: 11500

Feet From: NORTH 1/4 Section Line: 50 End Point Location from
Feet From: WEST 1/4 Section Line: 1549 Lease,Unit, or Property Line: 50

NOTES:

NOTES:	
Category	Description
DEEP SURFACE CASING	[3/9/2021 - GC2] - 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	[3/9/2021 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 715456	[3/11/2021 - GC2] - 15-15N-10W X639827 MSSP 4 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 11-20-2020
INCREASED DENSITY - 715457	[3/11/2021 - GC2] - 22-15N-10W X642784 MSSP 4 WELLS DEVON PRODUCTION COMPANY, L.P. 11-20-2020
INCREASED DENSITY - 717942	[4/30/2021 - GC2] - 10-15N-10W X302663 MISS 4 WELLS NO OP NAMED 4-23-2021
INTERMEDIATE CASING	[3/11/2021 - GC2] - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER- PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
МЕМО	[$3/9/2021$ - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202100594	[4/30/2021 - GC2] - (E.O.) 10, 15, & 22-15N-10W ESTABLISH MULTIUNIT HORIZONTAL WELL X302663 MISS 10-15N-10W X588796 WDFD 10-15N-10W X639827 MSSP, WDFD 15-15N-10W X642784 MSSP, WDFD 22-15N-10W (WDFD ADJACENT COMMON SOURCE OF SUPPLY FOR MSSP/MISS) 33% 10-15N-10W 34% 15-15N-10W 33% 22-15N-10W DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 4-26-2021 (MILLER)

PENDING CD - 202100596	[4/30/2021 - GC2] - (E.O.) 10, 15 & 22-15N-10W X302663 MISS 10-15N-10W X588796 WDFD 10-15N-10W X639827 MSSP, WDFD 15-15N-10W X642784 MSSP, WDFD 22-15N-10W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO COLUMBINE 22_15_10-15N-10W 2HX AND COLUMBINE 22_15_10-15N-10W 4HX COMPL. INT. (22-15N-10W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (15-15N-10W) NCT 0' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (10-15N-10W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL DEVON ENERGY PRODUCTION COMPANY, L.P. REC. 4-26-2021 (MILLER)
SPACING - 302663	[3/29/2021 - GC2] - (640) 10-15N-10W VAC OTHER EXT OTHERS EXT 176185/176185 MISS
SPACING - 588796	[3/29/2021 - GC2] - (640) 10-15N-10W EST WDFD, OTHERS EXT OTHER
SPACING - 639827	[3/11/2021 - GC2] - (640)(HOR) 15-15N-10W EST MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 642784	[3/11/2021 - GC2] - (640)(HOR) 22-15N-10W EXT 639827 MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P. 300 Pointe Parkway Blvd. Yukon, OK 73099 LEASE NAME: COLUMBINE 22_15_10-15N-10W **DISTANCE & DIRECTION FROM HWY JCT OR TOWN:** 405.787.6270 † 405.787.6276 f WELL NO. 3HXX FROM THE INTERSECTION OF HWY 281 & HWY 33 IN www.craftontull.com WATONGA, GO E. ON HWY 33 4 MI. TO N2610 RD. GO S. 7 MI. **GOOD DRILL SITE:**YES Crafton Tull TO E0880 RD. GO E. 5.5 MI. WELL PAD ON S. SIDE OF RD. COUNTY, STATE:OK **BLAINE** PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RIX-GPS. **GROUND ELEVATION:**1502.40' GR. AT STAKE SURFACE HOLE FOOTAGE: 2399' FEL - 388' FNL OBSERVED FROM RTK-GPS.

NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, <u>DOES NOT</u> REPRESENT A TRUE BOUNDARY SURVEY.

QUARTER SECTION DISTANCES MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON THE GROUND, AND FURTHER, <u>DOES NOT</u> REPRESENT A TRUE BOUNDARY SURVEY. SECTION: 27 TOWNSHIP: T15N RANGE: R10W BOTTOM HOLE:10-T15N-R10W,I.M. ACCESSIBILITY TO LOCATION: FROM NORTH LINE **TOPOGRAPHY & VEGETATION:** Ν LOCATION FELL IN A FIELD COUNTY, OKLAHOMA **BLAINE** GRID NORTH (NAD 27) OKLAHOMA - NORTH ZONE <u>2399' FEL - 388' FNL</u> **SECTION** <u>27</u> **TOWNSHIP** <u>15N</u> **RANGE** <u>10W</u> **I.M. BOTTOM HOLE** 1549' FWL - 50' FNL 35° 47' 51.55" NORTH 98° 15' 17.63" WEST API:011-24259B NE COR. NW COR. SEC. 10 SEC. 10 X:1924407.4 Y:290450.8 LAT: 35.79765281 LONG:-98.25489615 20 X=1922859 X=1928141 Y=290496 1549 X=1925500 LAST PERFORATION POINT 1549' FWL - 165' FNI 10 X=1922846 Y=287858 Y=287846 **SURFACE HOLE DATA** X=1925467 Y=285197 X=1928107 X=1922834 Y=285213 **STATE PLANE COORDINATES: ZONE:** OK-NORTH NAD27 NE COR. NW COR X: 1925693.7 SFC 15 SEC. 15 GPS DATUM: NAD27 LAT: 35.75316912 LONG: -98.25041782 ¥=1928108 X=1922823 Y=282568 STATE PLANE COORDINATES: 15 **ZONE: OK-NORTH NAD** X: 1894094.3 **GPS DATUM: NAD83** X=1928109 LAT: <u>35.75321363</u> X=1922811 Y=279923 Y=279909 **LONG**: -98.25075892 NE COR. NW COR. SEC. 22 SEC. 22 **BOTTOM HOLE DATA** STATE PLANE COORDINATES: **ZONE:** OK-NORTH NAD2 X=1928104 X=1922805 Y=277284 X: 1924407.4 Y=277282 22 **Y**: 290450.8 GPS DATUM: NAD27 FIRST PERFORATION POINT **LAT:** 35.79765281 1549' FWL- 165' FSL LONG: <u>-98.25489615</u> NW COR. 388 **STATE PLANE COORDINATES:** SEC. 27 X=1928094 **ZONE: OK-NORTH NAD83** X=1922800 Y=274642 NE COR. Y=274645 **X**: 1892807.6 X=1925447 COLUMBINE 22_15_10-15N-10W 3HXX **Y**: 290474.5 SEC. 27 2399' FEL - 388' FNL 35° 45' 11.41" NORTH 98° 15' 01.50" WEST 2399 GPS DATUM: NAD83 LAT: <u>35.79769610</u> LONG: <u>-98.25523870</u> X:1925693.7 Y:274255.2 LAT: 35.75316912 LONG:-98.25041782 **BOTTOM HOLE** X=1928083 27 INFORMATION PROVIDED ELEV:1502.40 X=1922800 BY OPERATOR LISTED. 5510NA [X=1922801 ×=1928072 Y=269364 SE COR SW COR. **DENVER** X=1925436 SEC. 27 SEC. 27 Y=269376 WINCHESTER 1952 **GRAPHIC SCALE IN FEET** OKLAHOMA 1500 3000 3000 0 **REVISION** "COLUMBINE 22_15_10-15N-10W 3HXX" **Bottom Hole Change** PART OF THE NE/4 OF SECTION 27, T-15-N, R-10-W devon PROPOSED DRILL SITE
BLAINE COUNTY, OKLAHOMA SCALE: 1" = 3000"

DC SHEET NO.:

1 OF 6