API NUMBER: 017 25682

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

Approval Date: 06/11/2021

Expiration Date: 12/11/2022

Multi Unit Oil & Gas

## **PERMIT TO DRILL**

WELL LOOK TION	0 ( 00					04448	$\neg$			
WELL LOCATION:		Township	: 14N	Range: 9W	County:	CANADIAN				
SPOT LOCATION:	SW NE	NE NW	FEET FRO	M QUARTER: FR	M NORTH	FROM WEST				
			SEC	TION LINES:	657	2060				
Lease Name:	OTTO 31_30_19-15	iN-9W		Well	No: 4HXX	w	/ell will be	657 feet from	nearest unit or lease boundary.	
Operator Name:	DEVON ENERGY F	PRODUCTION	O LP	Teleph	one: 4052353	611; 4052353611;		ОТО	C/OCC Number: 20751 0	
DEVON ENE	RGY PRODUCT	ION CO LP				LARRY GLENN & CH	HRISTINE	MOORE		
333 W SHER	IDAN AVE						NW			
333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102-5015						OK	70044			
OKLAHOWA	CITT,	OK	73102-0	0015		CALUMET		OK	73014	
						ı				
Formation(s)	(Permit Valid fo	or Listed Fo	mations (	Only):						
Name		Code	)	Dept	1					
1 MISSISSIPE	PIAN	359N	ISSP	9689						
2 MISSISSIPF	PISOLID	351N	ISSSD	1011	9					
3 WOODFOR	D	319V	/DFD	1113	1					
Spacing Orders:	176175			Location E	xception Order	s: 718438		Increased De	nsity Orders: 718520	
	612110								718498	
	657910								718499	
	649758									
	718433							Sne	ecial Orders: No Special Orders	
Pending CD Numb	ers: No Pending			Workir	g interest owne	ers' notified: ***		Орг	Joidi Orders.	
Total Depth: 2	27011 Gro	und Elevation:	1448	Surfa	ce Casing:	690	Depth to I	base of Treatable	e Water-Bearing FM: 440	
Under	Federal Jurisdiction:	No				Approved Method for dispo	osal of Drilling	g Fluids:		
Fresh Water	r Supply Well Drilled:	No				D. One time land application (REQUIRES PERMIT) PERMIT NO: 21-37641				
Surface	e Water used to Drill:	Yes				H. (Other) SEE MEMO				
PIT 1 INFOR						Category of Pi				
	Pit System: CLOSEI	•	em Means St	eel Pits		Liner not required for Cate				
	lud System: WATER	BASED				Pit Location is				
	000 Average: 5000					Pit Location Formation	1: Dog Creek	<		
·	top of ground water g		below base of	of pit? Y						
Within 1	mile of municipal wate									
	Wellhead Protection									
Pit <u>is not</u> lo	ocated in a Hydrologic	ally Sensitive A	rea.							
PIT 2 INFOR	MATION					Category of Pi	it: C			
Type of Pit System: CLOSED Closed System Means Steel Pits				Liner not required for Category: C						
Type of Mud System: OIL BASED				Pit Location is: NON HSA						
Chlorides Max: 300000 Average: 200000				Pit Location Formation	n: Dog CRee	ek				
Is depth to	top of ground water g	reater than 10ft	below base of	of pit? Y						
Within 1	mile of municipal wate	rwell? N								
	Wellhead Protection	Area? N								
1	agetad in a Hydralagia									

MULTI UNIT HOLE 1

Section: 19 Township: 15N Range: 9W Meridian: IM Total Length: 16010

County: KINGFISHER Measured Total Depth: 27011

Spot Location of End Point: NW NE NW NE True Vertical Depth: 12000

Feet From: NORTH 1/4 Section Line: 50 End Point Location from
Feet From: EAST 1/4 Section Line: 1721 Lease,Unit, or Property Line: 50

NOTES:

NOTES:	
Category	Description
DEEP SURFACE CASING	[6/4/2021 - GB1] - NO DSC DUE TO SURFACE HOLE ISSUES IN SE4 6-14N-9W
HYDRAULIC FRACTURING	[6/4/2021 - GB1] - 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 - 718498	[6/11/2021 - GC2] - 19-15N-9W X176175 MSSSD 3 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 5-21-2021
INCREASED DENSITY - 718499	[6/11/2021 - GC2] - 31-15N-9W X176175 MSSSD 4 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 5-21-2021
INCREASED DENSITY - 718520	[6/11/2021 - GC2] - 30-15N-9W X657910 MSSP 4 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 5-24-2021
INTERMEDIATE CASING	[6/4/2021 - GB1] - 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
LOCATION EXCEPTION - 718438	[6/11/2021 - GC2] - (I.O.) 19, 30 & 31-15N-9W X176175 MSSSD 19 & 31-15N-9W X612110 WDFD 31-15N-9W X657910 MSSP, WDFD 30-15N-9W X649785 WDFD 19-15N-9W X165:10-3-28(C)(2)(B) MSSP, MSSSD MAYBE CLOSER THAN 600' TO PROPOSED WELLS, NUNEMAKER 1-19, LOOSEN TRUST 1-31, AND LOTOCKA 2-31 COMPL. INT. (31-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (30-15N-9W) NCT 0' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (19-15N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL DEVON ENERGY PRODUCTION COMPANY, L.P 5-19-2021
MEMO	[6/4/2021 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 176175	[6/11/2021 - GC2] - (640) 19, 30 & 31-15N-9W EST OTHERS EXT OTHERS EXT 11184 MSSSD
SPACING - 612110	[6/11/2021 - GC2] - (640) 31-15N-9W EXT 591627 WDFD

SPACING - 649758	[6/11/2021 - GC2] - (640) 19-15N-9W EST WDFD
SPACING - 657910	[6/11/2021 - GC2] - (640)(HOR) 30-15N-9W EXT 649977 WDFD EST MSSP COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL COMPL. INT. (MSSP) NCT 660' FB (COEXIST SPACING ORDER 176175 MSSSD, OTHERS 30-15N-9W)
SPACING - 718433	[6/11/2021 - GC2] - (I.O.) 19, 30 & 31-15N-9W EST MULTIUNIT HORIZONTAL WELL X176175 MSSSD 19 & 31-15N-9W X612110 WDFD 31-15N-9W X657910 MSSP, WDFD 30-15N-9W X649758 WDFD 19-15N-9W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSSD, MSSP) 33% 19-15N-9W 34% 30-15N-9W 33% 31-15N-9W DEVON ENERGY PRODUCTION COMPANY, L.P. 5-19-2021

300 Pointe Parkway Blvd. Yukon, OK 73099 405.787.6270 † 405.787.6276 f www.craftontull.com Crafton Tull

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

**LEASE NAME:**OTTO 31\_30\_19-15N-9W WELL NO. 4HXX

GOOD DRILL SITE: YES

CANADIAN COUNTY, STATE:OK

GROUND ELEVATION: 1447.88' GR. AT STAKE SURFACE HOLE FOOTAGE: 657' FNL - 2060' FWL

SECTION: 6 TOWNSHIP: T14N RANGE: R9W

BOTTOM HOLE:19-T15N-R9W,I.M.

ACCESSIBILITY TO LOCATION: FROM WEST LINE

**TOPOGRAPHY & VEGETATION:** LOCATION FELL IN A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:** 

FROM THE TOWN OF CALUMET HEAD NORTH ON CALUMET ROAD ±7.5MI TO 234TH ST, HEAD WEST ±5.0MI TO MAYBERRY ROAD, HEAD NORTH ±0.9MI TO A LEASE ROAD

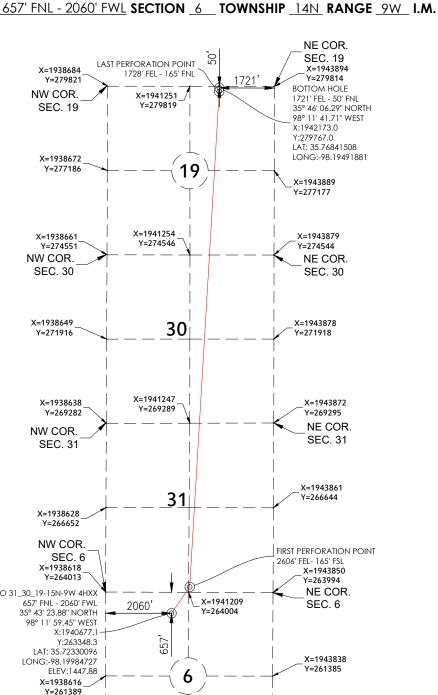
TO THE EAST, HEAD EAST ±0.2MI, PAD SITE IS TO THE SOUTH.

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 PROMPILY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RIK-GPS.

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

COUNTY, OKLAHOMA CANADIAN



OTTO 31\_30\_19-15N-9W 4HXX 657' FNL - 2060' FWL 35° 43' 23.88" NORTH 98° 11' 59.45" WEST X=1938616 Y=261389

X=1941178 Y=258771

GRAPHIC SCALE IN FEET 3000' 1500' 0 3000'

X=1943826

SE COR.

Y=258775

SEC. 6

	REVISION	"OTT					
R1	PERFORATION LOCATION CHANGE	PART OF THE CANA	devo	n			
			DRAWN BY:	JJ	SHEET NO.:	1 OF 6	

X=1938614

SW COR.

Y=258766

SEC. 6

## **SURFACE HOLE DATA STATE PLANE COORDINATES:**

**ZONE:** OK-NORTH NAD27

**X**: <u>1940677.</u>1

GPS DATUM: NAD27 LAT: 35.72330096

LONG: -98.19984727 STATE PLANE COORDINATES:

**ZONE: OK-NORTH NAD** X: 1909078.0

**GPS DATUM: NAD83** LAT: <u>35.72334645</u> **LONG:** -98.20018580

## **BOTTOM HOLE DATA** STATE PLANE COORDINATES:

**ZONE:** OK-NORTH NAD2 **X**: 1942173.0

**Y**: 279767.0 GPS DATUM: NAD27 **LAT:** 35.76841508 LONG: <u>-98.19491881</u>

**STATE PLANE COORDINATES: ZONE: OK-NORTH NAD83 X**:1910574.0

**Y**: 279791.0

GPS DATUM: NAD83 **LAT:** <u>35.76846002</u> LONG: -98.19525715 **BOTTOM HOLE** 

INFORMATION PROVIDED BY OPERATOR LISTED.

