API NUMBER: 143 24363

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

Approval Date: 06/08/2022
Expiration Date: 12/08/2023

Straight Hole Oil & Gas

## **PERMIT TO DRILL**

WELL LOCATION:			ownship:	1	Range:		County:						
SPOT LOCATION:	SE NW	NE	SE	FEET FROM Q	UARTER:	FROM	SOUTH	FROM	EAST				
				SECTIO	N LINES:		2045		750				
Lease Name:	CWU					Well No	: 19			Well will be	595	feet from nearest unit	or lease boundary.
Operator Name:	LDO LLC				Te	elephone	9185741	320				OTC/OCC Num	ber: 24147 0
								1 [					
LDO LLC									ISH PROPERTI	ES LLC			
								2	525 66 STREET	NORTH			
TULSA,			OK	74137-30	20			7	ULSA			OK 74127	
									0_0,1			0.1	
								_					
Formation(s)	(Permit Val	id for List	ted Forr	mations Or	ly):								
Name			Code			Depth		] [	Name			Code	Depth
1 CLEVELAN	D		405CL	.VD	:	200		6	MISSISSIPPIAN			359MSSP	1550
2 OSWEGO			40408	SWG	-	700		7	WOODFORD			319WDFD	1750
3 BARTLESV	ILLE		404BR	RVL		1150		8	ARBUCKLE			169ABCK	1850
4 TUCKER			404TC	KR		1320							
5 BURGESS			404BR	RGS		1450							
Spacing Orders:	No Spacin	g			Loca	tion Exce	ption Orde	s: N	o Exceptions		In	creased Density Orders:	No Density
Pending CD Numbers: No Pending Working interest ow						terest own	ers' notified: ***				Special Orders:	No Special	
Total Danthy		Ground Ele	uatian. C	10	c.	f.a.a.a	Caaina	400		Donth t	o basa	of Treatable Water-Bearin	og EM: 40
Total Depth: 2	2000	Ground Ele	valion: 6	12	31	штасе	Casing:	100		Берш	o base	or rreatable water-beam	IG 1 W. 40
Under Federal Jurisdiction: No							Approved Method for disposal of Drilling Fluids:						
Fresh Water Supply Well Drilled: No							A. Evaporation/dewater and backfilling of reserve pit.						
Surfac	e Water used to D	Orill: No											
PIT 1 INFOR	MATION								Category	of Pit: C			
Type of Pit System: ON SITE						Liner not required for Category: C							
Type of Mud System: AIR							Pit Location is: ALLUVIAL						
									Pit Location Forma	ation: ALLUVI	JM		
Is depth to top of ground water greater than 10ft below base of pit? Y							Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).						
Within 1 mile of municipal water well? N													
	Wellhead Prote	ction Area?	N										
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NOTES:

Category	Description
HYDRAULIC FRACTURING	[6/7/2022 - 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
SPACING	[6/8/2022 - G56] - FORMATIONS UNSPACED; 200 ACRE LEASE (SE4, E2 E2 SW4)

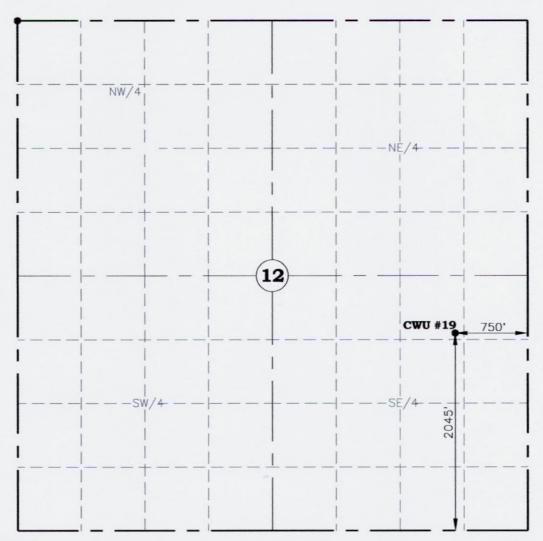
## WELL LOCATION PLAT

COMPANY: LDO, LLC LEASE: CWU WELL NO. 19

QUARTER: SOUTHEAST SECTION: 12 TOWNSHIP: 21 NORTH RANGE: 12 EAST MERIDIAN: INDIAN

COUNTY: <u>TULSA</u> STATE: <u>OKLAHOMA</u> LOCATION: <u>2045' FSL</u> <u>750' FEL</u> ELEVATION: <u>612</u> (NAD 88)

LATITUDE: 36°18'47.49" N LONGITUDE: 95°58'34.23" W ACCURACY ±2-3 METERS STAKED: <u>01/14/22</u>



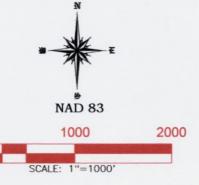
## SURVEY NOTES

DISTANCES SHOWN ARE BASED ON THE QUARTER SECTION BEING 2640 FEET. ACTUAL SECTION LINE DISTANCES HAVE NOT BEEN MEASURED. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.

THIS LOCATION HAS BEEN CAREFULLY STAKED, UTILIZING THE BEST AVAILABLE SURVEY RECORDS, MAPS, PHOTOGRAPHS AND EQUIPMENT. HOWEVER, ITS EXACT POSITION IS NOT GUARANTEED.

## CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT A SURVEY WAS MADE UNDER MY SUPERVISION OF THE ABOVE DESCRIBED WELL LOCATION AND THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.





MARK RIEDEL LS#1902

ALTMAN & OSAGE SURVEYING LLC. 107 N. 4TH ST. STE 213 PONCA CITY, OK 918-287-4029 CA # 7862

LDO, LLC 8929 S. JOPLIN AVE. TULSA, OK 74137 WELL LOCATION IN TULSA COUNTY, OKLAHOMA SURVEYED BY: MJR
DRAWN BY: MJR
CHECKED BY: MJR
LAST ON SITE: 01/14/22
DATE: 01/19/22
JOB NO: 22-002
SHEET 1 OF 1