API NUMBER: 143 24365

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:	Section:	12	Township:	: 21N	Range	: 12E	County:	TULSA					
SPOT LOCATION:	SE SW	NE	SE	FEET	FROM QUARTE	R: FROM	SOUTH	FROM	EAST				
					SECTION LINE	S:	1595		900				
Lease Name:	CWU					Well No	: 20			Well will be	900	feet from nearest un	it or lease boundary.
Operator Name:	LDO LLC					F-1	0405744	000				OTC/OCC Nur	mhor: 24147 0
Operator Name.	LDO LLC					l elephone	9185741	320				OTC/OCC Nur	mber: 24147 0
LDO LLC									//SH PROPERTI	ES LLC			
								,	2525 66 STREET	NORTH			
TILLEA			OV	7440	7 2020					NORTH		<b>0</b> 14	
TULSA,			OK	7413	37-3020			$     ^{\gamma}$	TULSA			OK 74127	
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Formation(s)	(Permit Va	lid for Li	sted For	rmatior	ns Only):								
Name	•		Code			Depth		1 [	Name			Code	Depth
1 CLEVELAN	D		405C	LVD		200		6	MISSISSIPPIAN			359MSSP	1550
2 OSWEGO				SWG		700		7	WOODFORD			319WDFD	1750
3 BARTLESV	ILLE		404B	RVL		1150		8	ARBUCKLE			169ABCK	1850
4 TUCKER			404T	CKR		1320							
5 BURGESS			404B	RGS		1450							
Spacing Orders:	No Spacir	ng			Loc	ation Exce	ption Orde	s: N	o Exceptions		Inc	creased Density Orders:	No Density
Poster CD Newborn No Donadia a						are' notified: ***				Special Orders: No Special			
Pending CD Numbers: No Pending Working interest own							neu.				·		
Total Depth: 2	2000	Ground E	levation: 6	613	S	urface	Casing:	100		Depth t	o base	of Treatable Water-Bear	ring FM: 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	Drill: No							_ raporation actuator	and backming of		Д	
PIT 1 INFORMATION							Category of Pit: 4						
Type of Pit System: ON SITE							Liner not required for Category: 4						
Type of Mud System: AIR							Pit Location is: ALLUVIAL						
Is depth to top of ground water greater than 10ft below base of pit? Y							Pit Location Formation: ALLUVIUM  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 Protection Area? N													
Pit <b>is</b> I	ocated in a Hydro			rea									

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)

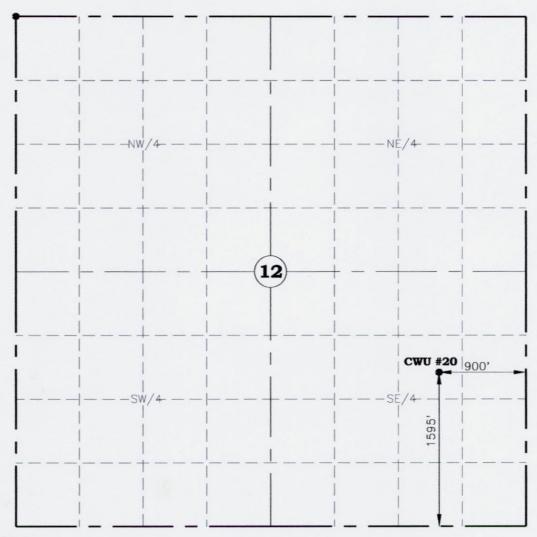
## WELL LOCATION PLAT

COMPANY: LDO, LLC LEASE: CWU WELL NO. 20

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

LATITUDE: 36°18'43.03" N LONGITUDE: 95°58'36.05" W ACCURACY ±2-3 METERS STAKED: 01/14/22

COUNTY: TULSA STATE: OKLAHOMA LOCATION: 1595' FSL 900' FEL ELEVATION: 613



## 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