API NUMBER: 143 24366

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 Ran	ge: 12E	County:	TULSA					
SPOT LOCATION:	NE NW S	SE SE	FEET FROM QUART	ER: FROM	SOUTH	FROM	EAST				
			SECTION LIN	ES:	1030		820				
Lease Name:	CWU			Well No	o: 22			Well will be	820	feet from nearest unit	t or lease boundary.
Operator Name:	LDO LLC			Talanhan	0405744	000				OTC/OCC Num	nber: 24147 0
Operator Name.	LDO LLC			relephone	9185741	320				OTC/OCC Num	iber: 24147 0
LDO LLC							/ISH PROPERT	TES LLC			
						$\ \cdot\ _{2}$	2525 66 STREE	T NORTH			
T. II. O.A		014	74407.0000					IIIOKIII			
TULSA,		OK	74137-3020			1	ULSA			OK 74127	
						L					
<u> </u>						J					
Formation(s)	(Permit Valid fo	r Listed For	mations Onlv)								
Name	•	Code	- ,	Depth		1 [Name			Code	Depth
1 CLEVELAND	n	405CL	VD	200		6	MISSISSIPPIAI	N		359MSSP	1550
2 OSWEGO	J	40408		700			WOODFORD	.•		319WDFD	1750
3 BARTLESVI	1115	404BF		1150		Ŀ					
4 TUCKER	LLL	404BI		1320							
5 BURGESS		404BF		1450							
	No Spacing				eption Order	re: NI	o Exceptions	•	Inc	creased Density Orders:	No Density
	. to opasg		_	Cation Exc	Splion Order	. IN	o Exception:	<u> </u>			- Deligity
Pending CD Numbers: No Pending Working interest own					ers' notified: ***				Special Orders:	No Special	
Total Depth: 2	2000 Grou	nd Elevation: 6	16	Surface	Casing:	100		Depth to	base o	of Treatable Water-Bearin	na FM: 40
rotar Boptii. 2	2000	na Elevation. O	10	ourrace	Ousing.	100					
Under Federal Jurisdiction: No					Approved Method for disposal of Drilling Fluids:						
Fresh Water Supply Well Drilled: No					A.	A. Evaporation/dewater and backfilling of reserve pit.					
Surface	e Water used to Drill:	No									
PIT 1 INFOR	MATION						Category	y of Pit: 4			
Type of Pit System: ON SITE				L	Liner not required for Category: 4						
Type of Mud System: AIR					Pit Location is: ALLUVIAL						
21	•							mation: ALLUVIL			
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 Protection										
Pit <u>is</u> lo	ocated in a Hydrologica	ally Sensitive Are	ea.								

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)

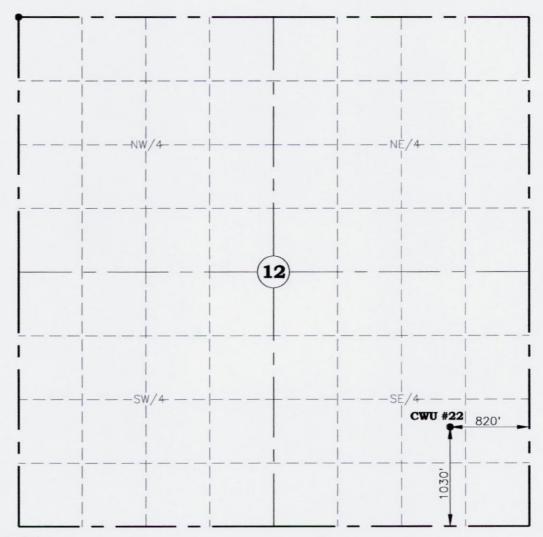
WELL LOCATION PLAT

COMPANY: LDO, LLC LEASE: CWU WELL NO. 22

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

COUNTY: TULSA STATE: OKLAHOMA LOCATION: 1030' FSL 820' FEL ELEVATION: 616' (NAD 88

LATITUDE: 36°18'37.39" N LONGITUDE: 95°58'35.12" W ACCURACY ±2-3 METERS STAKED: 01/14/22



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