API NUMBER: 143 24364

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 LOOKEON	0 "	10 -	1: 0411		105		T. II. O.A.					
WELL LOCATION:			nship: 21N	Range		County:						
SPOT LOCATION:	SW NE	NE	SE F	EET FROM QUARTER	: FROM	SOUTH	FROM	EAST				
				SECTION LINES	3:	2045		400				
Lease Name:	CWU				Well No	: 17			Well will be	400	feet from nearest unit	or lease boundary.
Operator Name:	LDO LLC			7	Telephone	: 9185741	320				OTC/OCC Num	ber: 24147 0
							, –					
LDO LLC								ISH PROPERTI	ES LLC			
							2	525 66 STREET	NORTH			
TULSA,		(OK 74	137-3020			_	ULSA			OK 74127	
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							-					
							•					
Formation(s)	(Permit Vali	d for Liste	d Formati	ons Only):								
Name			Code		Depth			Name			Code	Depth
1 CLEVELAN	D		405CLVD		200		6	MISSISSIPPIAN			359MSSP	1550
2 OSWEGO			404OSWG		700		7	WOODFORD			319WDFD	1750
3 BARTLESV	ILLE		404BRVL		1150		8	ARBUCKLE			169ABCK	1850
4 TUCKER			404TCKR		1320							
5 BURGESS			404BRGS		1450							
Spacing Orders:	No Spacing	g		Loca	ation 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 Eleva	tion. C42			Casina	100		Donth t	o basa	of Treatable Water-Bearin	og EM: 40
Total Depth: 2	2000	Ground Eleva	uon: 613	3	urrace	Casing:	100		Бериги	o base	or rreatable water-beam	ig i 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	rill: No										
DIT 1 INFOR	MATION							Category	of Pit· 4			
PIT 1 INFORMATION Type of Pit System: ON SITE						Liner not required for Category: 4						
Type of Mud System: AIR						Pit Location is: ALLUVIAL						
								Pit Location Forma	ation: ALLUVII	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 Protect	tion Area? N	1									
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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)

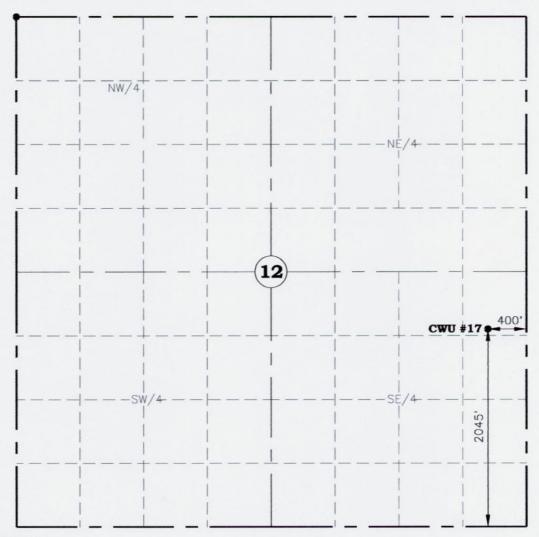
WELL LOCATION PLAT

COMPANY: LDO, LLC LEASE: CWU WELL NO. 17

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

COUNTY: TULSA STATE: OKLAHOMA LOCATION: 2045' FSL 400' FEL ELEVATION: 613 (NAD 88

LATITUDE: 36°18'47.52"N LONGITUDE: 95°58'29.96"W ACCURACY ±2-3 METERS STAKED: 01/14/22



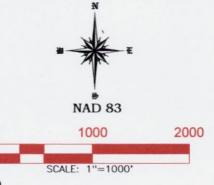
SURVEY NOTES

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