API NUMBER:	143	24355	
/ IIII III ON DEI II.	140	24000	

Oil & Gas

Straight Hole

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

Approval Date: 02/15/2022 Expiration Date: 08/15/2023

PERMIT TO DRILL

WELL LOCATION: Section: 12	Fownship: 21N Ra	ange: 12E	County: TUL	SA			
SPOT LOCATION: SE SW NE	SE FEET FROM QU	ARTER: FROM	SOUTH FF	ROM EAST			
	SECTION	LINES:	1350	700			
Lease Name: CWU		Well No:	21		Well will be	700 feet from neares	t unit or lease boundary.
Operator Name: LDO LLC		Telephone:	9185741320			OTC/OCC	Number: 24147 0
LDO LLC				MSH PROPERTI	IES LLC		
				2525 66 STN			
TULSA,	OK 74137-302	0					07
TULSA,	OK 74137-302	0		TULSA		OK 741	27
				<u> </u>			
Formation(s) (Permit Valid for Lis	ted Formations Only	/):					
Name	Code	Depth					
1 CLEVELAND	405CLVD	200					
2 OSWEGO	404OSWG	700					
3 BARTLESVILLE	404BRVL	1150					
4 TUCKER	404TCKR	1320					
5 BURGESS	404BRGS	1450					
Spacing Orders: No Spacing		Location Excep	otion Orders:	No Exceptions	5	Increased Density Or	ders: No Density
Pending CD Numbers: No Pending		Working interest owners' noti		notified: *** Special Orders: N		ders: No Special	
Total Depth: 1500 Ground Ele	evation: 613	Surface (Casing: 10	00	Depth to	base of Treatable Water-	Bearing FM: 40
Under Federal Jurisdiction: No				Approved Method for	disposal of Drillin	ng Fluids:	
Fresh Water Supply Well Drilled: No			A. Evaporation/dewater and backfilling of reserve pit.				
Surface Water used to Drill: No					-		
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			
				Pit Location Form	nation: ALLUVIU	IM	
Is depth to top of ground water greater than 10ft below base of pit? Y Mud System Change to Water-Ba 1000).			o Water-Based or	Oil-Based Mud Requires a	an Amended Intent (Form		
Within 1 mile of municipal water well?	N						
Wellhead Protection Area?	N						
Pit <u>is</u> located in a Hydrologically Se	ensitive Area.						

NOTES:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
HYDRAULIC FRACTURING	[2/9/2022 - 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	[2/11/2022 - GB1] - FORMATIONS UNSPACED; 200 ACRE LEASE (SE4, E2 E2 SW4)

