API NUMBER: 143 24330

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

Approval Date:	12/18/2019
Expiration Date:	06/18/2021

Straight Hole Oil & Gas

PERMIT TO DRILL

ELL LOCATION	l: Sec: 12 Twp:	21N Rge: 12E	County: TUL	SA		
POT LOCATION	I: S2 S2 N2	S2 FEET FR	OM QUARTER: FROM	SOUTH FROM	EAST	
Lease Name:	CHALKY WHITE UNIT		Well No:	1450 10	2640	Well will be 660 feet from nearest unit or lease boundar
Operator	LDO LLC			Telephone: 9	185741320	OTC/OCC Number: 24147 0
Name:				·		
LDO LLC	`					
	OPLIN AVE				MSH PRO	PERTIES LLC
TULSA,		OK 7413	7-3020		2525 E 66	STN
TOLOA,		OK 7413	7-3020		TULSA	OK 74130
Formation(s)) (Permit Valid fo	r Listed Formation	ns Only):			
	Name		Depth		Name	Depth
1	CLEVELAND		200	6	6	
2	OSWEGO		600	7	7	
3	BARTLESVILLE		1150	8	3	
	BURGESS		1400	Ş	9	
5	ARBUCKLE		1800	•	10	
pacing Orders:	No Spacing		Location Exception	Orders:		Increased Density Orders:
ending CD Num	nbers:					Special Orders:
Total Depth: 2	2000 Groun	d Elevation: 619	Surface	Casing: 100		Depth to base of Treatable Water-Bearing FM: 40
Under Federal	I Jurisdiction: No		Fresh Wate	r Supply Well Drilled	l: No	Surface Water used to Drill: No
PIT 1 INFORMATION				Ap	oproved Method for d	lisposal of Drilling Fluids:
Type of Pit System: ON SITE				A. Evaporation/dewater and backfilling of reserve pit.		
Type of Mud Sys	stem: AIR					
	f ground water greater that municipal water well?	·	? Y	_		
Vellhead Protec	ction Area? N					
	ated in a Hydrologically Se	ensitive Area.				
Category of Pit:						
•	red for Category: 4					
it Location is						
Pit Location Forr						
Mud System Cha	ange to Water-Based or C	DII-Based Mud Requires	an Amended Intent (Form 1000).		

Notes:

Category Description

HYDRAULIC FRACTURING 11/26/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

SPACING 12/18/2019 - GB1 - UNSPACED FORMATIONS, 200-ACRE LEASE (E2 E2 SW4 & SE4)