API NUMBER: 143 24322

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: 06/22/2018
Expiration Date: 12/22/2018

PERMIT TO DRILL

		PERMIT TO DRILL	
VELL LOCATION: Sec: 12 Twp: 21N Rge: 12	E County: TUL	SA	
SPOT LOCATION: SE SW NW SE	FEET FROM QUARTER: FROM	SOUTH FROM EAST	
	SECTION LINES:	1370 2280	
Lease Name: CHALKY WHITE UNIT	Well No:	4	Well will be 1370 feet from nearest unit or lease boundary.
Operator LDO LLC Name:		Telephone: 9185741320	OTC/OCC Number: 24147 0
LDO LLC 8929 S JOPLIN AVE			ROPERTIES, LLC.
TULSA, OK	74137-3020	2525 EA	AST 66TH STREET NORTH
·		TULSA	OK 74130
Formation(s) (Permit Valid for Listed For Name 1 BARTLESVILLE	Depth 1150	Name 6	Depth
2 BURGESS3 ARBUCKLE	1400 1650	7 8	
4	1000	9	
5		10	
Spacing Orders: No Spacing	Location Exception	n Orders:	Increased Density Orders:
Pending CD Numbers:		_	Special Orders:
Total Depth: 1700 Ground Elevation: 61	7 Surface	Casing: 100	Depth to base of Treatable Water-Bearing FM: 40
Under Federal Jurisdiction: No	Fresh Wate	er Supply Well Drilled: No	Surface Water used to Drill: No
PIT 1 INFORMATION		Approved Method for	or disposal of Drilling Fluids:
Type of Pit System: ON SITE		A. Evaporation/dev	water and backfilling of reserve pit.
Type of Mud System: AIR			
Is depth to top of ground water greater than 10ft below be Within 1 mile of municipal water well? N	ase of pit? Y		
Wellhead Protection Area? N			
Pit is located in a Hydrologically Sensitive Area. Category of Pit: 4			
Liner not required for Category: 4			
Pit Location is ALLUVIAL			
Pit Location Formation: ALLUVIUM			
Mud System Change to Water-Based or Oil-Based Mud F	Requires an Amended Intent ((Form 1000).	

Notes:

Category Description

SPACING

HYDRAULIC FRACTURING 6/19/2018 - 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

6/20/2018 - G57 - FORMATIONS UNSPACED; LEASE OUTLINE 200- ACRES IN THE E2 E2 SW4 &

SE4 PER OPERATOR

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

143 24322 CHALKY WHITE UNIT 4