API NUMBER:	087	22356	

Oil & Gas

Multi Unit

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

Approval Date: 05/05/2022 Expiration Date: 11/05/2023

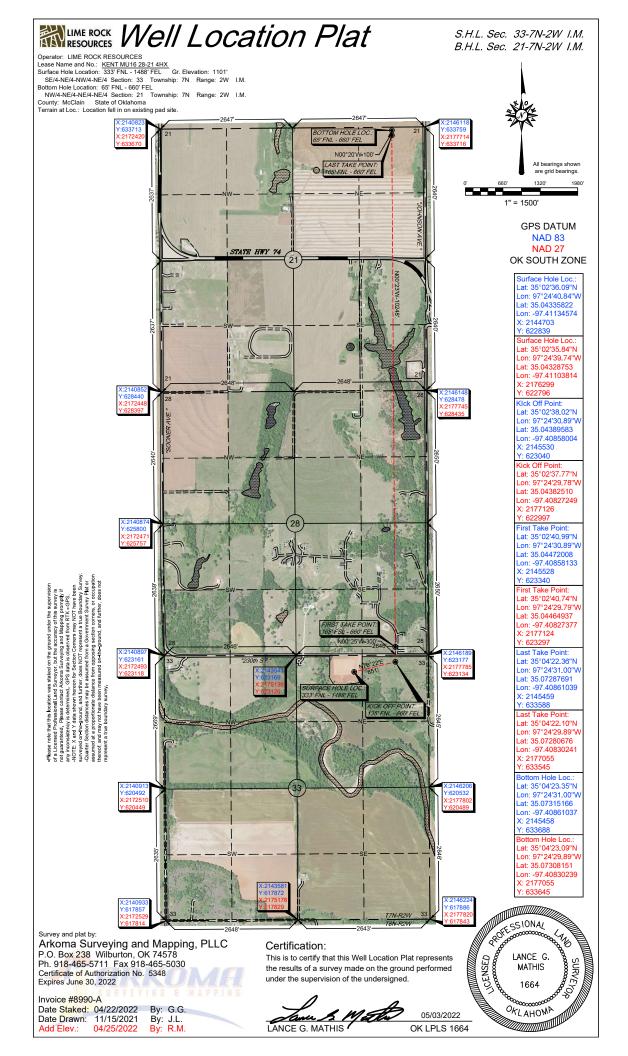
PERMIT TO DRILL

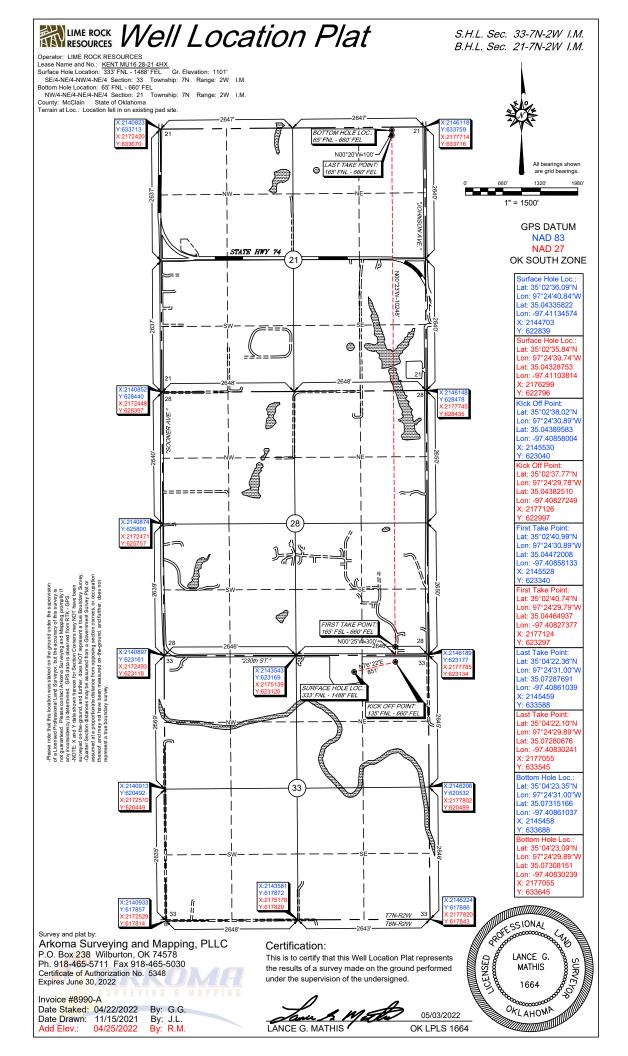
WELL LOCATION:	Section:	33	Township	. 7N	Range:	2W	County: M	CCLAIN					
SPOT LOCATION:	SE NE	NW	NE	FEET FROM	QUARTER:	FROM	NORTH	FROM EAST					
					FION LINES:		333	1488					
Lease Name:	KENT MU16 2	8-21			١	Vell No:	4HX		Well will be	333	feet from nearest unit	or lease boundary	
Operator Name:	LRR IV OPER	ATING IN(3		Tel	ephone:	713292953	35			OTC/OCC Num	ber: 24554 ()
LRR IV OPE	RATING INC							BILL & LINDA	HOGUE				
1111 BAGBY	STREET ST	ГЕ 4600	1					3118 S. 9TH					
HOUSTON,			ТХ	77002				PURCELL			OK 73080		
								L					
Formation(s)	(Permit Va	lid for Li	sted Fo	rmations C	nly):								
Name			Code	a	D	epth							
1 WOODFOR	D		319V	VDFD	7	600							
Spacing Orders:	686256				Locatio	on Excep	tion Orders:	724691		Inc	reased Density Orders:	725091	
	724689											725092	
Pending CD Numb	ers: No Pe	endina			Wo	orking inte	erest owners	s' notified: ***			Special Orders:	No Special	
Total Depth: 1			levation:	1101	C	- 	asing:	200	Denth t	o hase c	of Treatable Water-Bearin	a FM: 250	
	10002		levation.	1101	Ju		asing.	300	Dopurt	0 5000 0		.g 200	
	Federal Jurisdic							Approved Method	for disposal of Drill	ing Flui	ds:		
	r Supply Well Dri e Water used to												
								F. Haul to Commer facility	cial soil farming	Sec. 1 T	wn. 7S Rng. 3E Cnty. 85	Order No: 549455	
								H. (Other)		SEE ME	MO		
PIT 1 INFOR	ΜΑΤΙΟΝ							Cateo	ory of Pit: C				
	Pit System: CL	OSED CI	osed Syste	em Means Ste	el Pits			Liner not required					
Type of M	lud System: WA	ATER BAS	ED					Pit Lo	cation is: BED AC	UIFER			
Chlorides Max: 50	000 Average: 30	00						Pit Location F	ormation: PURCE	LL			
Is depth to	top of ground wa	ater greate	r than 10ft	below base of	f pit? Y								
Within 1	mile of municipal												
		notion Aror	-0 NI										
	Wellhead Prote												
Pit <u>is</u> lo	Wellhead Prote			rea.									
Pit <u>is</u> k PIT 2 INFOR	ocated in a Hydro			rea.				Categ	ory of Pit: C				
PIT 2 INFOR	ocated in a Hydro	ologically S	Sensitive A		el Pits			Cate <u>c</u> Liner not required					
PIT 2 INFOR Type of Type of M	MATION Pit System: CL lud System: Oll	OSED CI	Sensitive A		el Pits			Liner not required	I for Category: C				
PIT 2 INFOR Type of Type of M Chlorides Max: 30	MATION Pit System: CL lud System: Oll 00000 Average:	OSED CI BASED 200000	Sensitive A	em Means Ste				Liner not required	for Category: C				
PIT 2 INFOR Type of Type of M Chlorides Max: 30 Is depth to	MATION Pit System: CL lud System: Oll 00000 Average: top of ground wa	OSED CI DASED CI DASED 200000 ater greate	Sensitive A losed Syste	em Means Ste				Liner not required	I for Category: C				
PIT 2 INFOR Type of Type of M Chlorides Max: 30 Is depth to	MATION Pit System: CL lud System: Oll 00000 Average: top of ground wa mile of municipal	OSED CI DASED CI DASED 200000 ater greate	Sensitive A losed Syste er than 10ft I? N	em Means Ste				Liner not required	I for Category: C				
PIT 2 INFOR Type of Type of M Chlorides Max: 30 Is depth to Within 1	MATION Pit System: CL lud System: Oll 00000 Average: top of ground wa	OSED CI L BASED 200000 ater greate water well action Area	Sensitive A losed Syste er than 10ft l? N a? N	em Means Ste				Liner not required	I for Category: C				

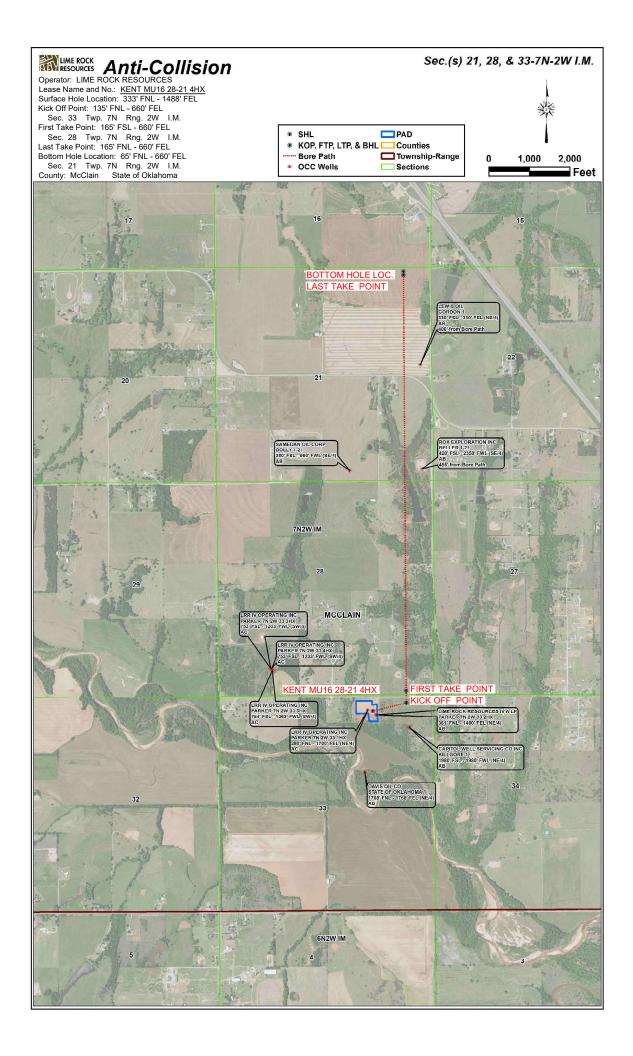
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation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

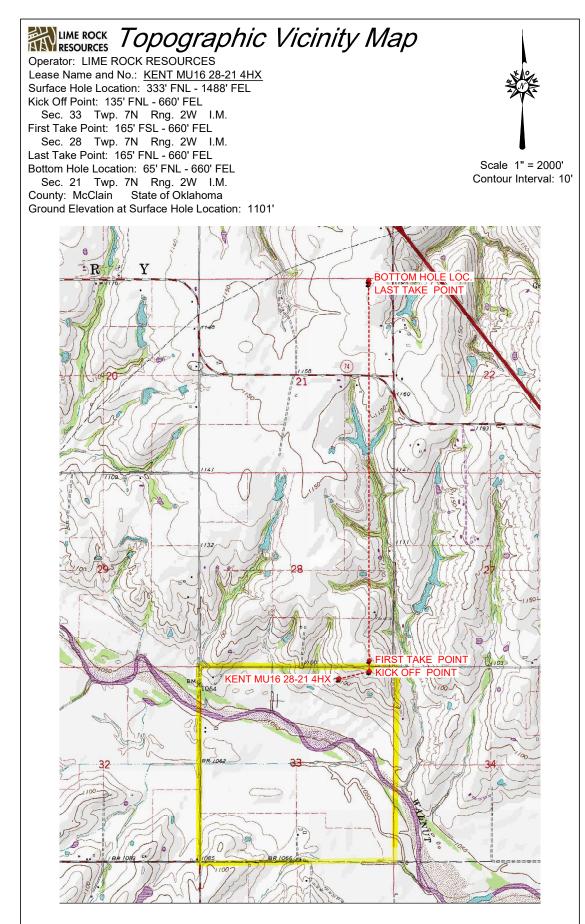
Section: 21 Township: 7N Range: 2W Meridian: IM Total Length: 10241 County: MCCLAIN Measured Total Depth: 18502 Spot Location of End Point: N2 NE True Vertical Depth: 7600 Feet From: NORTH 1/4 Section Line: 65 End Point Location from Lease, Unit, or Property Line: 65	MULTI UNIT HO	DLE 1						
Spot Location of End Point: N2 N2 NE True Vertical Depth: 7600 Feet From: NORTH 1/4 Section Line: 65 End Point Location from	Section: 21	Township: 7	'N Ra	nge: 2W	Meridian:	IM	Total Length:	10241
Feet From: NORTH 1/4 Section Line: 65 End Point Location from	1	County: N	/ICCLAIN				Measured Total Depth:	18502
End Point Location from	Spot Location	of End Point: N	12 N2	NE	NE		True Vertical Depth:	7600
Feet From: EAST 1/4 Section Line: 660 Lease, Unit, or Property Line: 65	Feet From: NORTH 1/4 Section Line: 65			End Point Location from				
	1	Feet From: EAST 1/4 Section Line: 660			Lease, Unit, or Property Line:	65		

NOTES:	
Category	Description
HYDRAULIC FRACTURING	[4/26/2022 - 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
INCREASED DENSITY - 725091	[5/4/2022 - G56] - (I.O.) 21-7N-2W X686256 WDFD 1 WELL LRR IV OP INC 4/26/2022
INCREASED DENSITY - 725092	[5/4/2022 - G56] - (I.O.) 28-7N-2W X686256 WDFD 1 WELL LRR IV OP INC 4/26/2022
LOCATION EXCEPTION - 724691	[5/4/2022 - G56] - (I.O.) 21 & 28-7N-2W X686256 WDFD COMPL INT (21-7N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL COMPL INT (28-7N-2W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL LRR IV OP INC 4/5/2022
МЕМО	[4/26/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - WALNUT CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 686256	[5/4/2022 - G56] - (640)(HOR) 21 & 28-7N-2W EST WDFD, OTHERS POE TO BHL NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 724689	[5/4/2022 - G56] - (I.O.) 21 & 28-7N-2W EST MULTIUNIT HORIZONTAL WELL X686256 WDFD 50% 21-7N-7W 50% 28-7N-2W LRR IV OP INC 4/5/2022









Provided by:

Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348 Expires June 30, 2022 The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.

Date Staked: 04/22/2022

