API NUMBER: 147 28215

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

Approval Date: 12/15/2021
Expiration Date: 12/15/2023

Straight Hole Oil & Gas

## **PERMIT TO DRILL**

**Extended** 

Septemble   Name   Code   Depth   1982   May   1982   M	WELL LOCATION:	Section:	26	Township:	25N Rai	nge: 13E	County: V	WASHIN	NGTON								
Lease Name: PRATHER Well Not: 5 Well will be 165 feet from nearest unit or lease boundary.  Operator Name: ESTATE OIL & GAS LLC  TULSA, OK 74170-0898  SETH SANDERS 399184 WEST 2700 ROAD RAMONA OK 74061  SETH SANDERS 399184 WES	SPOT LOCATION:	SE NE	SE	NW	FEET FROM QUAF	RTER: FROM	SOUTH	FROM	FAST								
Lese Name: PRATHER Well No: 5 Well will be 165 feet from nearest unit or lease boundary. Operator Name: ESTATE OIL & GAS LLC  ESTATE OIL & GAS LLC  TULSA, OK 74170-0898  SETH SANDERS 399184 WEST 2700 ROAD RAMONA OK 74061  SETH SANDERS 199184 WEST 2700 ROAD RAMONA OK 74061  Formation(s) (Permit Valid for Listed Formations Only):    Name					SECTION L	INES:											
SETATE OIL & GAS LLC	Loggo Namos	DDATHED				Wall No.			103	10/4	مط النس الم	165	foot from	nooroot unit	or loos	o bounda	
ESTATE OIL & GAS LLC  TULSA; OK 74170-0898  SETH SANDERS 399184 WEST 2700 ROAD RAMONA OK 74061  Formation(s) (Permit Valid for Listed Formations Only):    Name	Lease Name:	PRAINER				well No:	. 5			VV	eli wili be	100	reet from	nearest unit	or leas	se bounda	ary.
TULSA, OK 74170-0898  Formation(s) (Permit Valid for Listed Formations Only):    Name	Operator Name:	ESTATE OIL 8	& GAS LLO	С		Telephone	: 91821468	346					ОТО	C/OCC Num	ber:	24092	0
TULSA, OK 74170-0898  Formation(s) (Permit Valid for Listed Formations Only):    Name	ESTATE OIL	8 GASTIC						٦٦	ETH CANDE	EDQ.							
Formation(s) (Permit Valid for Listed Formations Only):    Name	LSTATE OIL	& GAS LLC															
Formation(s) (Permit Valid for Listed Formations Only):    Name								3	99184 WES	1 2700 H	ROAD						
Name Code Depth    BIG LIME	TULSA,			OK	74170-0898	3		R	AMONA				OK	74061			
Name Code Depth    BIG LIME								L									
Name Code Depth    BIG LIME																	
Name Code Depth    BIG LIME	Formation(s)	(Permit Val	lid for Li	sted Forn	nations Only	):											
1 BIG LIME 404BGLM 525 2 PERU 404PERU 600 3 CATTLEMAN 404CLMN 783 4 BARTLESVILLE 404BRVL 1158 5 BURGESS 404BRGS 1394  Specing Orders: No Spacing Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 40  Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Pit Location Formation: COFFEYVILLE  Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).  Working interest owners' notified: DNA Special Orders: No Density  Pending CD Numbers: No Pending Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 40  Approved Method for disposal of Drilling Fluids:  A Evaporation/dewater and backfilling of reserve pit.  H. (Other) CBL REQUIRED  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Within 1 mile of municipal water well? N Wellhead Protection Area? N	. ,					•											
2 PERU 404PERU 600 3 CATTLEMAN 404CLMN 783 4 BARTLESVILLE 404BRVL 1158 5 BURGESS 404BRGS 1394  Spacing Orders: No Spacing  Location Exception Orders: No Exceptions  Increased Density Orders: No Density  Pending CD Numbers: No Pending Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0  Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  PIT 1 INFORMATION  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N	1 BIG LIME				LM												
Approved Method for disposal of Drilling Fluids:  Approved Method for disposal of Drilling Fluids:  A. Evaporation/dewater and backfilling of reserve pit.  Pend Mud System: AIR  PHT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Within 1 mile of municipal water well? N Wellhead Protection Area? N Wellhead Protection Area? N	1																
Spacing Orders: No Spacing  Location Exception Orders: No Exceptions  Increased Density Orders: No Density  Pending CD Numbers: No Pending  Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0  Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Pit Location is: NON HSA Pit Location is: NON HSA Pit Location is: NON HSA Pit Location Formation: COFFEYVILLE  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 Protection Area? N	3 CATTLEMAI	N		404CL	MN	783											
Spacing Orders: No Spacing  Location Exception Orders: No Exceptions  Increased Density Orders: No Density  Pending CD Numbers: No Pending  Working interest owners' notified: DNA Special Orders: No Special  Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0  Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No  Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION  Type of Pit System: ON SITE  Type of Mud System: AIR  Pit Location is: NON HSA  Pit Location is: NON HSA  Pit Location Formation: COFFEYVILLE  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 Protection Area? N	4 BARTLESVI	LLE		404BR	VL	1158											
Pending CD Numbers: No Pending  Total Depth: 1450	5 BURGESS			404BR	GS	1394											
Total Depth: 1450 Ground Elevation: 720 Surface Casing: 0  Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N	Spacing Orders:	No Spacin	ng		L	ocation Exce	ption Orders	: No	o Exceptio	ns		Inc	creased De	nsity Orders:	No	Densi	ty
Alternate Casing Program  Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N	Pending CD Number	ers: No Pe	ending			Working in	terest owne	rs' notifi	ied: DNA		_		Spe	ecial Orders:	No	Specia	al
Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.  Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N	Total Depth: 1	450	Ground E	Elevation: 72	20	Surface	Casing:	0			Depth t	to base o	of Treatable	Water-Bearin	ng FM:	40	
Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N  A. Evaporation/dewater and backfilling of reserve pit.  A. Evaporation/dewater and backfilling of reserve pit.  CBL REQUIRED  Category of Pit: 4  Liner not required for Category: 4  Pit Location is: NON HSA  Pit Location Formation: COFFEYVILLE  Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).	Alternate Casi	ng Program															
Fresh Water Supply Well Drilled: No Surface Water used to Drill: No  PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: AIR  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N  A. Evaporation/dewater and backfilling of reserve pit.	Cement will b	e circulated	l from T	Total Dep	th to the Gr	ound Sur	face on t	the Pi	roduction C	asing S	String.						
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Surface Water used to Drill: No  H. (Other)  CBL REQUIRED  PIT 1 INFORMATION  Type of Pit System: ON SITE  Type of Mud System: AIR  Pit Location is: NON HSA  Pit Location Formation: COFFEYVILLE  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N																	
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Type of Pit System: ON SITE  Type of Mud System: AIR  By the Location is: NON HSA  Pit Location Formation: COFFEYVILLE  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 Protection Area? N								Н.	(Other)			CBL RE	QUIRED				
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Pit Location Formation: COFFEYVILLE  Is depth to top of ground water greater than 10ft below base of pit? Y  Within 1 mile of municipal water well? N  Wellhead Protection Area? N																	
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Within 1 mile of municipal water well? N Wellhead Protection Area? N						Pit Location Formation: COFFEYVILLE											
Wellhead Protection Area? N	Is depth to top of ground water greater than 10ft below base of pit? Y																
	Within 1 r	mile of municipal	water well	I? N													
Pit <u>is not</u> located in a Hydrologically Sensitive Area.		Wellhead Prote	ection Area	n? N													
	Pit <u>is not</u> lo	ocated in a Hydro	ologically S	Sensitive Are	a.												
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NOTES:

Category	Description
HYDRAULIC FRACTURING	[11/19/2021 - 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	[12/15/2021 - GC2] - FORMATIONS UNSPACED, 170-ACRE N2 NW4, NE4 SE4 NW4, NW4 SE4 NW4, NE4 SW4 NW4 26-25N-13E AND SE4 SE4, S2 SW4 SE4 23-25N-13E