API NUMBER: 019 26540

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

Approval Date: 02/13/2023

Expiration Date: 08/13/2024

Straight Hole Oil & Gas

PERMIT TO DRILL

SPOTLOCATION: NE NW NE NW NE SW PREFERENCE QUARTERS FROM 2344 1759 Lease Name: AWU Well No: 50 Well will be 881 feet from nearrest unit or lease boundary. Operator Name: KODIAK OIL & GAS INC OPERATOR NAME: KODIAK OIL & GAS INC 20 A N WALNUT ST MUENSTER, TX 76252-2766 MEL WALTERSCHEID 20 A N WALNUT ST MUENSTER TX 76252 FOrmation(e) (Permit Valid for Listed Formations Only): Name: Code Depth 1 PERMIAN 800 Specing Orders: 546134 Location Exception Orders: No Exceptions Total Depth: 1100 Ground Elevation: 1002 Surface Casing: 0 Depth to base of program Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String. Presh Water used to Drill: Yes PIT 1 INFORMATION Type of Pit Systems: ON SITE Type of Mad Systems: WATER BASED Selection Formation: WELLINGTON Well will be identified to find protection Area? N	WELL LOCATION:	Section:	35	Township	: 3S	Range:	2W	County:	CAR	TER							
Lase Name: AWU Well No: 50 Well will be 881 feet from nearest unit or lease boundary. Operator Name: KODIAK OIL & GAS INC Telephone: 9407594001 KODIAK OIL & GAS INC 204 N WALNUT ST MUENSTER, TX 76252-2766 MEL WALTERSCHEID 204 N WALNUT ST MUENSTER, TX 76252-2766 MEL WALTERSCHEID 204 N WALNUT ST MUENSTER TX 76252 MENUMENSTER No Density Special Orders: No Density Special Orders: No Special Total Depth: 1100 Ground Elevation: 1002 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 90 Alternate Casing Program Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String. Under Foderal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Type of Mud System: WATER BASED PIT 1 INFORMATION Type of PR System: ON SITE Type of Mud System: WATER BASED PIT 1 Location Formation: WELLINGTON 1 Seephb to pot ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water water? N	SPOT LOCATION:	NE NW	NE	SW	FEET FRO	OM QUARTER:	FROM	SOUTH	FR	OM WEST							
Comparation Name: KODIAK OIL & GAS INC					SE	ECTION LINES:		2354		1759							
KODIAK OIL & GAS INC 204 N WALNUT ST MUENSTER, TX 76252-2766 Formation(s) (Permit Valid for Listed Formations Only): Name Code Depth 1 PERMIAN 459PRMN 800 Spacing Orders: 546134 555111 Location Exception Orders: No Exceptions Increased Density Orders: No Density Total Depth: 1100 Ground Elevation: 1002 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 90 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: Yes PHT 1 INFORMATION Type of Pit System: WATER BASED Type of Mud System: WATER BASED Location Exception Orders: No Exceptions MEL WALTERSCHEID 204 N WALNUT ST MUENSTER TX 76252 MEL WALNUT ST MUENSTER TX 76252 No Exceptions Increased Density Orders: No Density Special Orders: No Density Special Orders: No Special Total Depth: 1100 Ground Elevation: 1002 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 90 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: Yes PHT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED PH Location is: BED AQUIFER Pit Location Formation: WELLINGTON Well In mile of municipal water well? N	Lease Name:	AWU					Well No:	50			Well will be	881	feet from	nearest unit	or lease	boundary.	
204 N WALNUT ST MUENSTER, TX 76252-2766 Popth MENSTER TX 76252 Formation(s) (Permit Valid for Listed Formations Only): Name	Operator Name:	KODIAK OIL &	GAS IN	С		Т	elephone:	9407594	001				отс	OCC Num	ber:	23226 0	
MUENSTER, TX 76252-2766 MUENSTER TX 76252 Formation(s) (Permit Valid for Listed Formations Only): Name	KODIAK OIL	& GAS INC								MEL WALTERS	CHEID						
Formation(s) (Permit Valid for Listed Formations Only): Name	204 N WALNUT ST							Ш	204 N WALNUT ST								
Name Code Depth 1 PERMIAN 459PRMN 800 Spacing Orders: 546134 555111 Location Exception Orders: No Exceptions Increased Density Orders: No Density Pending CD Numbers: No Pending Working interest owners' notified: "" Special Orders: No Special Total Depth: 1100 Ground Elevation: 1002 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 90 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: Yes PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mtud System: WATER BASED Pit Location Formation: WELLINGTON Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	MUENSTER,			TX	76252-	2766				MUENSTER			TX	76252			
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Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Approved Method for disposal of Drilling Fluids: D. One time land application (REQUIRES PERMIT) PERMIT NO: 23-38835 H. (Other) Category of Pit: 2 Liner not required for Category: 2 Pit Location is: BED AQUIFER Pit Location Formation: WELLINGTON	Alternate Casir	ng Program															
Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes D. One time land application (REQUIRES PERMIT) PERMIT NO: 23-38835 H. (Other) CBL REQUIRED PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Pit Location is: BED AQUIFER Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	Cement will b	e circulated	from ⁻	Total De	pth to th	e Grou	nd Surf	ace on	the	Production Casi	ing String.						
Surface Water used to Drill: Yes H. (Other) Category of Pit: 2 Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	Under	Federal Jurisdicti	ion: No						ſ	Approved Method for	disposal of Drill	ing Flui	ds:				
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Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	Type of Mu	ud System: WA	TER BAS	SED						Pit Location is: BED AQUIFER							
Within 1 mile of municipal water well? N	Chlorides Max: 50	00 Average: 300	00							Pit Location Formation: WELLINGTON							
	Is depth to	top of ground wa	ter greate	er than 10ft	below base	of pit? Y											
Wellhead Protection Area? N	Within 1 r	nile of municipal	water we	II? N													
		Wellhead Protec	ction Area	a? N													
Pit <u>is</u> located in a Hydrologically Sensitive Area.																	

NOTES:

Category	Description
ALTERNATE CASING	[2/13/2023 - GC2] - APPROVED; (1) COPY OF CBL NEEDS TO BE SUBMITTED TO THE TECHNICAL STAFF IMMEDIATELY & (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED ALTERNATE SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. A COMPLETION ATTEMPT, IN CASES WHERE THE PROTECTION OF THE TREATABLE WATER IS QUESTIONABLE, IS STRICTLY PROHIBITED. RULE 165: 10-3-4 (D)(4)(C).
HYDRAULIC FRACTURING	[2/13/2023 - 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 FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; 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 - 546134	[2/13/2023 - G56] - (UNIT) W2 35-3S-2W EST AMENDED WHEELER UNIT FOR THE PRMN
SPACING - 555111	[2/13/2023 - G56] - NPT 546134 TO CORRECT LEGAL DESCRIPTION OF UNITIZED AREA