API NUMBER: 051 25022

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

Approval Date: 03/09/2023

Expiration Date: 09/09/2024

Directional Hole Oil & Gas

PERMIT TO DRILL

SPOTLOCATION SE INW SE INE PRITTEN CAUGURE MORTH FROM NORTH TRUE PAST TOTAL PAST TOTAL POWER MACK ENERGY CO OKLAHOMA CITY, OK 73142-1839 MACK ENERGY CO OKLAHOMA CITY, OK 73142 MACK OIL 4700 CAILLARDIA PKWY SUITE 102 OKLAHOMA CITY OK 73142 OKLAHOMA CITY OK 73142 MACK OIL 4700 CAILLARDIA PKWY SUITE 102 OKLAHOMA CITY OK 73142 Depath MACK ENERGY CO OKLAHOMA CITY OK 73142 MACK OIL 4700 CAILLARDIA PKWY SUITE 102 OKLAHOMA CITY OK 73142 DEPATH TO COME	WELL LOCATION:	Section:	17	Township	v 3N F	Range: 5W	County: (GRADY							
Lease Name: CKSMOU Well No: 16-11-1 Well will be 762 feet from nearest unit or lease boundary. Operator Name: MACK ENERGY CO MACK ENERGY CO OKLAHOMA CITY, OK 73142-1839 MACK OIL 4700 GAILLARDIA PKWY SUITE 102 OKLAHOMA CITY OK 73142 Formation(s) (Permit Valid for Listed Formations Only): Name Code Depth MOSROW SUBTRIBUST ADMINISTRUST ADMINIS															
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SUITE 102 OKLAHOMA CITY, OK 73142-1839 Formation(s) (Permit Valid for Listed Formations Only): Name	MACK ENER	GY CO						MACK OIL							
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Formation(s) (Permit Valid for Listed Formations Only): Name	OKLAHOMA CITY. OK 73142-1839						SUITE 102								
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Feet From: WFST 1/4 Section Line: 319 Lease, Unit, or Property Line: 319							End Point Location from Lease, Unit, or Property Line: 310								

NOTES:

Category	Description
DEEP SURFACE CASING	[3/8/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[3/8/2023 - 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 - 731833	[3/9/2023 - GC2] - (UNIT) NW4 17 AND SW4 16-3N-5W EST CARTER KNOX SUBTHRUSTED MORROW OPERATING UNIT FOR MRWST