PI NUMBER: 117 23698 aight Hole Oil & Gas	OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1) <u>PERMIT TO DRILL</u>			Approval Date: 11/28/2018 Expiration Date: 05/28/2020
WELL LOCATION: Sec: 27 Twp: 21N Rge: SPOT LOCATION: NW NE SW NE		EE IORTH FROM EA: 350 180		
Lease Name: KMA	Well No: 1	I	Well will	be 840 feet from nearest unit or lease boundary.
Operator MID-CONTINENT ENERGY OP C Name:	0	Telephone: 918587	76363; 9185876	OTC/OCC Number: 19736 0
MID-CONTINENT ENERGY OP CO 2111 S ATLANTA PL TULSA, OK 74114-1709		KEYSTONE TEST F 2111 S. ATLANTA F TULSA		
Formation(s) (Permit Valid for Listed For Name 1 COTTAGE GROVE 2 LAYTON	ormations Only): Depth 1085 1300	6 7	Name SKINNER RED FORK	Depth 2250 2325
3 CLEVELAND4 OSWEGO5 PRUE	1800 2030 2100	8 9 10	BARTLESVILLE MISSISSIPPI	2400 2600
Spacing Orders: No Spacing	Location Exception O	rders:		Increased Density Orders:
Pending CD Numbers:				Special Orders:
Total Depth: 2700 Ground Elevation:	822 Surface C	asing: 240	D	epth to base of Treatable Water-Bearing FM: 190
Under Federal Jurisdiction: No	Fresh Water S	upply Well Drilled: No	0	Surface Water used to Drill: Yes
PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Mean	s Steel Pits	Approve	ed Method for disposal of I	Drilling Fluids:
Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 1000		F. Haul to Commercial soil farming facility: Sec. 13 Twn. 19N Rng. 5E Cnty. 119 Order No: 561542		
Is depth to top of ground water greater than 10ft below Within 1 mile of municipal water well? N Wellhead Protection Area? N	שמשט טר אוני ד	H. CLC	DSED SYSTEM=STEEL P	ITS (REQUIRED-KEYSTONE LAKE)
Pit is located in a Hydrologically Sensitive Area.				
Category of Pit: C Liner not required for Category: C				
Pit Location is BED AQUIFER Pit Location Formation: VAMOOSA				

Notes:

HYDRAULIC FRACTURING

Description

11/6/2018 - GA8 - 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

SPACING

11/27/2018 - G75 - FORMATIONS UNSPACED; 160-ACRE LEASE (NE4)