API NUMBER: 117 23695

Straight Hole Oil & Gas

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

Approval Date: 06/14/2018
Expiration Date: 12/14/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 21N Rge: 8E County: PAWNEE

SPOT LOCATION: NW NW SW NE FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **1160** **190**

Lease Name: JL MILLER **Well No: 35** **Well will be 190 feet from nearest unit or lease boundary.**

Operator Name: **MID-CON ENERGY OPERATING LLC** Telephone: 9187437575; 9187437 OTC/OCC Number: 23271 0

MID-CON ENERGY OPERATING LLC
2431 E 61ST ST STE 850
TULSA, OK 74136-1236

JAMIE & TAMA COLE
50265 S. 36600 RD.
CLEVELAND OK 74020

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth		Name	Depth
1	LAYTON	1195	6	SKINNER	2015
2	CHECKERBOARD	1480	7	PINK LIME	2030
3	CLEVELAND	1535	8	BARTLESVILLE	2120
4	BIG LIME	1740	9		
5	OSWEGO	1815	10		

Spacing Orders: 609199 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 2400 Ground Elevation: 758 **Surface Casing: 130** Depth to base of Treatable Water-Bearing FM: 70

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
Wellhead Protection Area? N
Pit **is** located in a Hydrologically Sensitive Area.
Category of Pit: 1B
Liner required for Category: 1B
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

Notes:

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX 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.

Category	Description
HYDRAULIC FRACTURING	6/13/2018 - G71 - 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 - 609199	6/14/2018 - G57 - (UNIT) E2 & E2 SW4 19-21N-8E EST CLEVELAND FIELD UNIT FOR TOP CGGV TO BASE ABCK

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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.