

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

API NUMBER: 117 23528 A

Approval Date: 04/10/2013
Expiration Date: 10/10/2013

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 21N Rge: 8E County: PAWNEE
SPOT LOCATION: NW SE NW SE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1835 715

Lease Name: CARNES Well No: 14A Well will be 805 feet from nearest unit or lease boundary.
Operator Name: MID-CON ENERGY OPERATING INC Telephone: 9187437575 OTC/OCC Number: 16011 0

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

C. DWANE CARNES / CARL S. CARNES
PO BOX 29
CLEVELAND OK 74020

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

	Name	Depth	Name	Depth
1	OSAGE LAYTON /MISSOURIAN/	950	6	PRUE
2	LAYTON	1230	7	SKINNER
3	CLEVELAND	1625	8	BARTLESVILLE
4	BIG LIME	1850	9	SIMPSON
5	OSWEGO	1900	10	ARBUCKLE

Spacing Orders: 609199 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: Special Orders:

Total Depth: 3300 Ground Elevation: 784 **Surface Casing: 390** Depth to base of Treatable Water-Bearing FM: 340

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: 2
Liner not required for Category: 2
Pit Location is BED AQUIFER
Pit Location Formation: VAMOOSA

Approved Method for disposal of Drilling Fluids:
A. Evaporation/dewater and backfilling of reserve pit.

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

SPACING - 609199

4/10/2013 - G30 - (UNIT) S2 17-21N-8E
EST CLEVELAND FIELD UNIT FOR TOP OF CGGV TO BASE OF 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.

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