

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

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 NORTH FROM WEST  
SECTION LINES: 805 715

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	1950
2	LAYTON	1230	7	SKINNER	2025
3	CLEVELAND	1625	8	BARTLESVILLE	2250
4	BIG LIME	1850	9	SIMPSON	2500
5	OSWEGO	1900	10	ARBUCKLE	2800

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.

117 23528 CARNES 14A

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

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.

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