

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

API NUMBER: 117 23527

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 SW SW SE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 385 165

Lease Name: CARNES Well No: 13A Well will be 385 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/	1000	6	PRUE	2030
2	LAYTON	1300	7	SKINNER	2100
3	CLEVELAND	1630	8	BARTLESVILLE	2300
4	BIG LIME	1930	9	SIMPSON	2500
5	OSWEGO	1975	10	ARBUCKLE	2750

Spacing Orders: 609199

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3300

Ground Elevation: 786

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 300

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 23527 CARNES 13A

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.
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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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