

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

API NUMBER: 117 23559 A

Approval Date: 10/23/2013
Expiration Date: 04/23/2014

Straight Hole Water Supply

Amend reason: OCC CORRECTION FOR OPERATOR NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 21N Rge: 8E County: PAWNEE
SPOT LOCATION: C W2 NE SW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 660 1650

Lease Name: ALDERSON Well No: 11 Well will be 660 feet from nearest unit or lease boundary.
Operator Name: MID-CON ENERGY OPERATING LLC Telephone: 9187437575 OTC/OCC Number: 23271 0

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

CHILDRENS MEDICAL CENTER FOUNDATION
7030 S. YALE AVE., SUITE 600
TULSA OK 74136

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	1075	6 PRUE	2100
2 LAYTON	1345	7 SKINNER	2170
3 CLEVELAND	1725	8 BARTLESVILLE	2370
4 BIG LIME	2010	9 SIMPSON	2550
5 OSWEGO	2055	10 ARBUCKLE	2725

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3200 Ground Elevation: 844 **Surface Casing: 340** Depth to base of Treatable Water-Bearing FM: 290

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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 grant 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

10/23/2013 - G75 - NA-WATER SUPPLY WELL

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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