

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

API NUMBER: 019 25923 B

Approval Date: 04/28/2014  
Expiration Date: 10/28/2014

Directional Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 36 Twp: 5S Rge: 2W County: CARTER  
SPOT LOCATION:  NE  NE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1100 100

Lease Name: TFDU MARTIN (SWAN 1-31) Well No: 7-36 Well will be 100 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

MID-CON ENERGY OPERATING INC.  
2431 E. 61ST ST., SUITE 850  
TULSA OK 74136

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

|   | Name  | Depth | Name | Depth |
|---|-------|-------|------|-------|
| 1 | DEESE | 7180  | 6    |       |
| 2 |       |       | 7    |       |
| 3 |       |       | 8    |       |
| 4 |       |       | 9    |       |
| 5 |       |       | 10   |       |

Spacing Orders: 563436

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 7350 Ground Elevation: 846 **Surface Casing: 1387 IP** Depth to base of Treatable Water-Bearing FM: 1290

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: ANTLERS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

DIRECTIONAL HOLE 1

Sec 36 Twp 5S Rge 2W County CARTER

Spot Location of End Point: NE NE SE SE

Feet From: SOUTH 1/4 Section Line: 1030

Feet From: EAST 1/4 Section Line: 210

Measured Total Depth: 7350

True Vertical Depth: 7250

End Point Location from Lease,

Unit, or Property Line: 210

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   |
|------------------|---|
| FRAC FOCUS       | 4/3/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM |
| POINT OF ENTRY   | 4/28/2014 - G75 - GREATER THAN 165' FROM UNIT BOUNDARY PER OPERATOR   |
| SPACING - 563436 | 4/28/2014 - G75 - (UNIT) 36-5S-2W<br>EST TWIN FORKS DEESE UNIT FOR DEESS  |

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