

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

API NUMBER: 085 21201

Approval Date: 12/18/2013  
Expiration Date: 06/18/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 6S Rge: 2W County: LOVE  
SPOT LOCATION:  SW  NE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 785 515

Lease Name: HDSU SULLIVAN Well No: 14-1 Well will be 515 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

SONJA SUE PELLOW ETAL C/O KENT SULLIVAN  
921 W. MAIN ST  
PO BOX 160  
DUNCAN OK 73534

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

Name	Depth	Name	Depth
1 DEESE	7800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 553162

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8150

Ground Elevation: 900

**Surface Casing: 1210**

Depth to base of Treatable Water-Bearing FM: 1160

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.

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.

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Category

Description

SPACING - 553162

12/18/2013 - G30 - (UNIT) 1-6S-2W  
EST HIGHLAND DEESE SAND UNIT FOR DEESS

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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