

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

API NUMBER: 139 20713 C

Approval Date: 03/12/2014  
Expiration Date: 09/12/2014

Directional Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 19 Twp: 4N Rge: 10ECM County: TEXAS

SPOT LOCATION:  N2  S2  NE  SE FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 1830 1980

Lease Name: OMU (BRUMLEY 6-19) Well No: 1916 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

ADA PHILLIPS LLC  
SUITE D, BOX 505  
6660 DELMONICO DRIVE  
COLORADO SPRINGS CO 80919

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

Name	Depth	Name	Depth
1 MORROW SAND	4445	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 371665

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4788 Ground Elevation: 3674 **Surface Casing: 1507 IP** Depth to base of Treatable Water-Bearing FM: 320

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: 25000 Average: 5000

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

DIRECTIONAL HOLE 1

Sec 19 Twp 4N Rge 10E County TEXAS

Spot Location of End Point: NE SE NW SE

Feet From: SOUTH 1/4 Section Line: 1651

Feet From: EAST 1/4 Section Line: 1400

Measured Total Depth: 4788

True Vertical Depth: 4750

End Point Location from Lease,

Unit, or Property Line: 1400

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	3/4/2014 - 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
SPACING - 371665	3/10/2014 - G30 - (UNIT) 19-4N-10ECM EST ONA NORTHWEST MORROW SAND UNIT FOR MWSD

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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.