

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

API NUMBER: 003 23273

Approval Date: 02/10/2017

Expiration Date: 08/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 24N Rge: 12W

County: ALFALFA

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 225 1965

Lease Name: ARUBA 2412

Well No: 1H-10 B

Well will be 225 feet from nearest unit or lease boundary.

Operator Name: MIDSTATES PETROLEUM COMPANY LLC

Telephone: 9189478550

OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM COMPANY LLC
321 S BOSTON AVE STE 1000
TULSA, OK 74103-3322

GREGORY FAMILY TRUST C/O LARRY GREGORY
12105 CR 540
CARMEN OK 73726

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6365	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700735
201700736

Special Orders:

Total Depth: 11200

Ground Elevation: 1321

Surface Casing: 430

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 8000

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714

Is depth to top of ground water greater than 10ft below base of pit? Y

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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.

HORIZONTAL HOLE 1

Sec 10 Twp 24N Rge 12W County ALFALFA

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5081

Radius of Turn: 750

Direction: 350

Total Length: 4941

Measured Total Depth: 11200

True Vertical Depth: 6365

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

2/3/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

PENDING CD - 201700735

2/3/2017 - G75 - (E.O.)(640)(HOR) 10-24N-12W
VAC 59196/61020 MSSLM SE4
VAC 114336 MNNG SE4
VAC 311559 MNNG, MSSLM N2 & SW4
EXT 201700037 MSSP
POE TO BHL NLT 660' FB
MIDSTATES PETRO. CO. LLC
REC 2-10-2017 (JOHNSON)

PENDING CD - 201700736

2/3/2017 - G75 - (E.O.) 10-24N-12W
X201700735 MSSP
COMPL. INT. NCT 165' TO SL, NCT 165' TO NL, NCT 1320' TO WL
MIDSTATES PETRO. CO. LLC
REC 2-10-2017 (JOHNSON)

PUBLIC WATER SUPPLY WELL

2/3/2017 - G71 - CARMEN PWA, 1 PWS/WPA, SE4 9-24N-12W

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS
 ALFALFA _____ County, Oklahoma

225°FNL-1965°FEL Section 15 Township 24N Range 12W I.M.

BOTTOM HOLE

185' FNL-1980' FWL
NAD-27 (US Feet)
38°34'42.6"N
98°28'23.5"W
36.578491472"N
98.473200257"W
X= 1861053
Y= 574934

LANDING POINT

165' FSL-1980' FWL
NAD-27 (US Feet)
38°33'53.7"N
98°28'23.3"W
36.564918936"N
98.473147614"W
X= 1861044
Y= 569993

PROPOSED DRILL PATH

1980'
165'
649'
2472'
225'
1965'
651'
2410'

Survey Points:

- X= 1859073, Y= 575108
- X= 1861703, Y= 575097
- X= 1864326, Y= 575085
- X= 1859069, Y= 572474
- X= 1864310, Y= 572445
- X= 1859064, Y= 569839
- X= 1881678, Y= 569825
- X= 1864293, Y= 569811
- X= 1859051, Y= 567205
- X= 1864292, Y= 567176

1000'

NOTE:
The information shown herein is for
construction purposes ONLY.

BOTTOM HOLE, LANDING POINT, AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

1321' Gr. at Stake

Reference Stakes or Alternate Location
Stakes Set None

Distance & Direction
from Hwy Jct or Town From Corman, OK, go South ± 1 mile to the NE Cor. of Sec. 15-T24N-R12W.

TR

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27
LAT: 36°33'49.8"N
LONG: 98°28'07.6"W
LAT: 36.563846338°N
LONG: 98.468769637°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1862328
Y: 589597

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Oklahoma Lic. No. 1433

