

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

API NUMBER: 073 25881 A

Approval Date: 01/03/2018

Expiration Date: 07/03/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE SHL & GROUND ELEV. UPDATE OCC
ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 222 2005

Lease Name: DEETS 18-06-13

Well No: 1MH

Well will be 222 feet from nearest unit or lease boundary.

Operator Name: CHISHOLM OIL & GAS OPERATING LLC

Telephone: 9184886400

OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC
6100 S YALE AVE STE 1700
TULSA, OK 74136-1921

J.L. & M.R. STATES, F/K/A M. GOETZINGER
23169 E. 730 ROAD
DOVER OK 73734

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	6780	6
2			7
3			8
4			9
5			10

Spacing Orders: 627002

Location Exception Orders: 697645

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12181

Ground Elevation: 1179

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 3500 Average: 1500

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: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33653
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 13 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: N2 N2 N2 NE

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 6779

Radius of Turn: 521

Direction: 4

Total Length: 4584

Measured Total Depth: 12181

True Vertical Depth: 7300

End Point Location from Lease,
Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

12/21/2017 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

LOCATION EXCEPTION - 697645

10/01/2019 - GB6 - 13-18N-6W
X627002 MSNLC
SHL 222' FSL, 2005' FEL
TOP COMPL. INT. (7391' MD) 194' FSL, 1613' FEL
BASE COMPL. INT. (12427' MD) 185' FNL, 1335' FEL
CIMAREX ENERGY CO.**
6/13/2019

**S/B CHISHOLM OIL & GAS OPERATING, LLC. CORRECTED BY NPT 697645 PER ATTORNEY FOR OPER.

PENDING CD - 201705406

10/10/2019 - GB6 - NPT 697645 TO CORRECT OPERATOR FROM CIMAREX ENERGY CO. TO CHISHOLM OI & GAS OPERATING, LLC
OK PER OCC TECHNICAL

SPACING - 627002

1/3/2018 - G60 - (640)(HOR) 13-18N-6W
EST MSNLC, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 51904/62761 MSSLM)

Terrain at Loc.: Location fell on existing level pad site.



A circular professional seal for a land surveyor. The outer ring contains the text "LICENSED PROFESSIONAL LAND SURVEYOR" at the top and "OKLAHOMA" at the bottom. Inside this ring is a smaller circle with a beaded border. Within the beaded circle, the text "LANCE G. MATHIS" is centered, with the license number "1664" below it.