

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

API NUMBER: 073 26586 A

Approval Date: 06/12/2019
Expiration Date: 12/12/2020

Horizontal Hole Oil & Gas

Amend reason: AMENDING NAME TO MJ 19-09-30 1MH; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 19N Rge: 9W County: KINGFISHER
SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 204 534

Lease Name: MJ 19-09-30 Well No: 1MH Well will be 204 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

HOYT MCEACHERN, JR.
8289 HIGHWAY 51A
SOUTHARD OK 73770

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7360	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 700773

Location Exception Orders: 702409

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13131 Ground Elevation: 1117

Surface Casing: 120

Depth to base of Treatable Water-Bearing FM: 70

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: 8000 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36672
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 30 Twp 19N Rge 9W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 155

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 7779

Radius of Turn: 505

Direction: 5

Total Length: 4559

Measured Total Depth: 13131

True Vertical Depth: 8300

End Point Location from Lease,
Unit, or Property Line: 155

Notes:

Category

Description

HYDRAULIC FRACTURING

5/30/2019 - 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: OCCEWEB.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 - 702409

10/15/2019 - GB1 - (I.O.) 30-19N-9W
X700773 MSSP
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
CHISHOLM OIL AND GAS OPERATING, LLC
9/18/2019

SPACING - 700773

10/15/2019 - GB1 - (640)(HOR) 30-19N-9W
EXT 678731 MSSP, OTHERS
POE TO BHL NLT 660' FB
(COEXIST SP. ORDER 31905/173583 BPMSU SE4; SP. ORDER 31905/173583/186022 BPMSU NE4; SP. ORDER 31905/173583/186022/187299 BPMSU W2; SP. ORDER 59939 MSSSD; OTHERS)

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.

073 26586 MJ 19-09-30 1MH



Well Location Plat

Sec. 30-19N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

API 073-26586

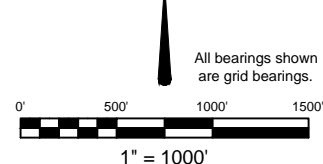
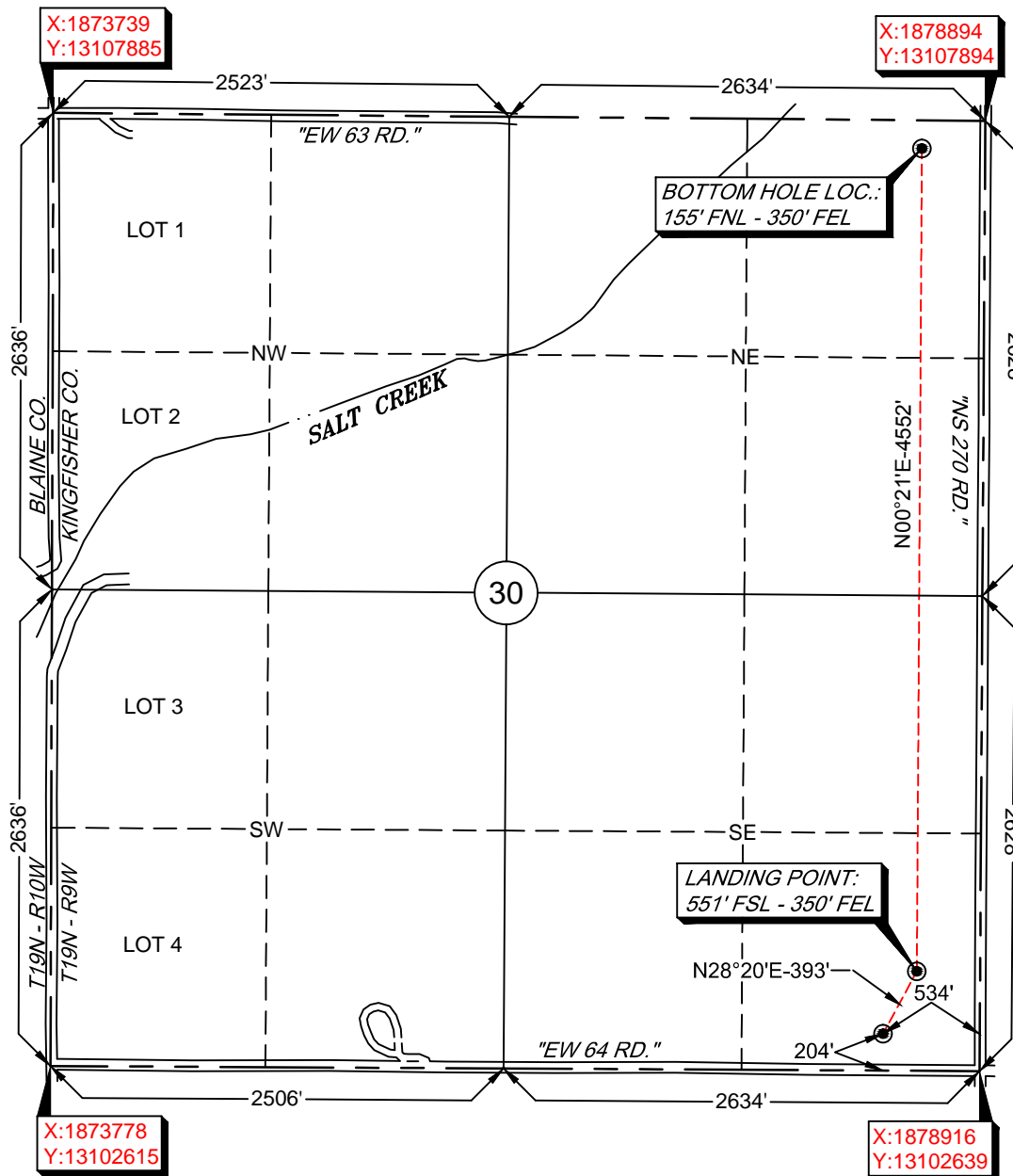
Lease Name and No.: MJ 19-09-30 1MH

Footage: 204' FSL - 534' FEL Gr. Elevation: 1117'

SW/4-SE/4-SE/4-SE/4 Section: 30 Township: 19N Range: 9W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in flat open field.



GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°05'15.15"N

Lon: 98°11'40.98"W

Lat: 36.08750599

Lon: -98.19437145

X: 1878381

Y: 13102841

Landing Point:

Lat: 36°05'18.58"N

Lon: 98°11'38.71"W

Lat: 36.08845731

Lon: -98.19374249

X: 1878564

Y: 13103189

Bottom Hole Loc.:

Lat: 36°06'03.59"N

Lon: 98°11'38.48"W

Lat: 36.10096120

Lon: -98.19367862

X: 1878545

Y: 13107739

-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. -NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. -Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2020

Invoice #8182-B

Date Staked: 05/14/19 By: D.K.

Date Drawn: 05/16/19 By: C.K.

Revised Lease Name: 08/22/19 By: R.S.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

08/22/19

OK LPLS 1664

