

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

API NUMBER: 073 26549 A

Approval Date: 04/24/2019  
Expiration Date: 10/24/2020

Horizontal Hole Oil & Gas

Amend reason: AMENDING OPERATOR NAME TO CHISHOLM OIL  
& GAS OPERATING, LLC AND WELL SHL FOOTAGES.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 8W County: KINGFISHER  
SPOT LOCATION: SE SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 155 2354

Lease Name: BRISTOL 1808 Well No: 15-1MH Well will be 155 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

JOYCE M UNRUH REVOCABLE TRUST  
6884 S. MITCHELL ROAD  
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	7729	6	
2	WOODFORD	8229	7	
3			8	
4			9	
5			10	

Spacing Orders: 663703

Location Exception Orders: 694175

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13382 Ground Elevation: 1081

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 230

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: 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: 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: 19-36493  
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 15 Twp 18N Rge 8W County KINGFISHER

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 7112

Radius of Turn: 827

Direction: 182

Total Length: 4970

Measured Total Depth: 13382

True Vertical Depth: 8229

End Point Location from Lease,  
Unit, or Property Line: 150

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

4/18/2019 - 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](http://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](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 694175

4/24/2019 - G56 - (I.O.) 15-18N-8W  
X663703 MSNLC, WDFD  
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 330' FWL, NCT 660' FEL  
GASTAR EXPLOR. INC.  
4/5/2019

SPACING - 663703

4/24/2019 - G56 - (640)(HOR) 15-18N-8W  
EXT WDFD, OTHER  
EST MSNLC  
COMPL INT (MSNLC) NCT 660' FB  
COMPL INT (WDFD) NCT 165' FNL OR FSL, NCT 330' FEL OR FWL  
(COEXIST WITH SP # 81983 MSSP)



# Well Location Plat

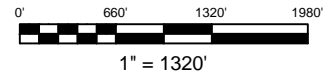
S.H.L. Sec. 10-18N-8W I.M.  
B.H.L. Sec. 15-18N-8W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: BRISTOL 1808 15-1MH  
Footage: 155' FSL - 2354' FWL Pad Elevation: 1081'  
SE/4-SE/4-SE/4-SW/4 Section: 10 Township: 18N Range: 8W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell on an existing level pad site.

073-26549A



All bearings shown  
are grid bearings.



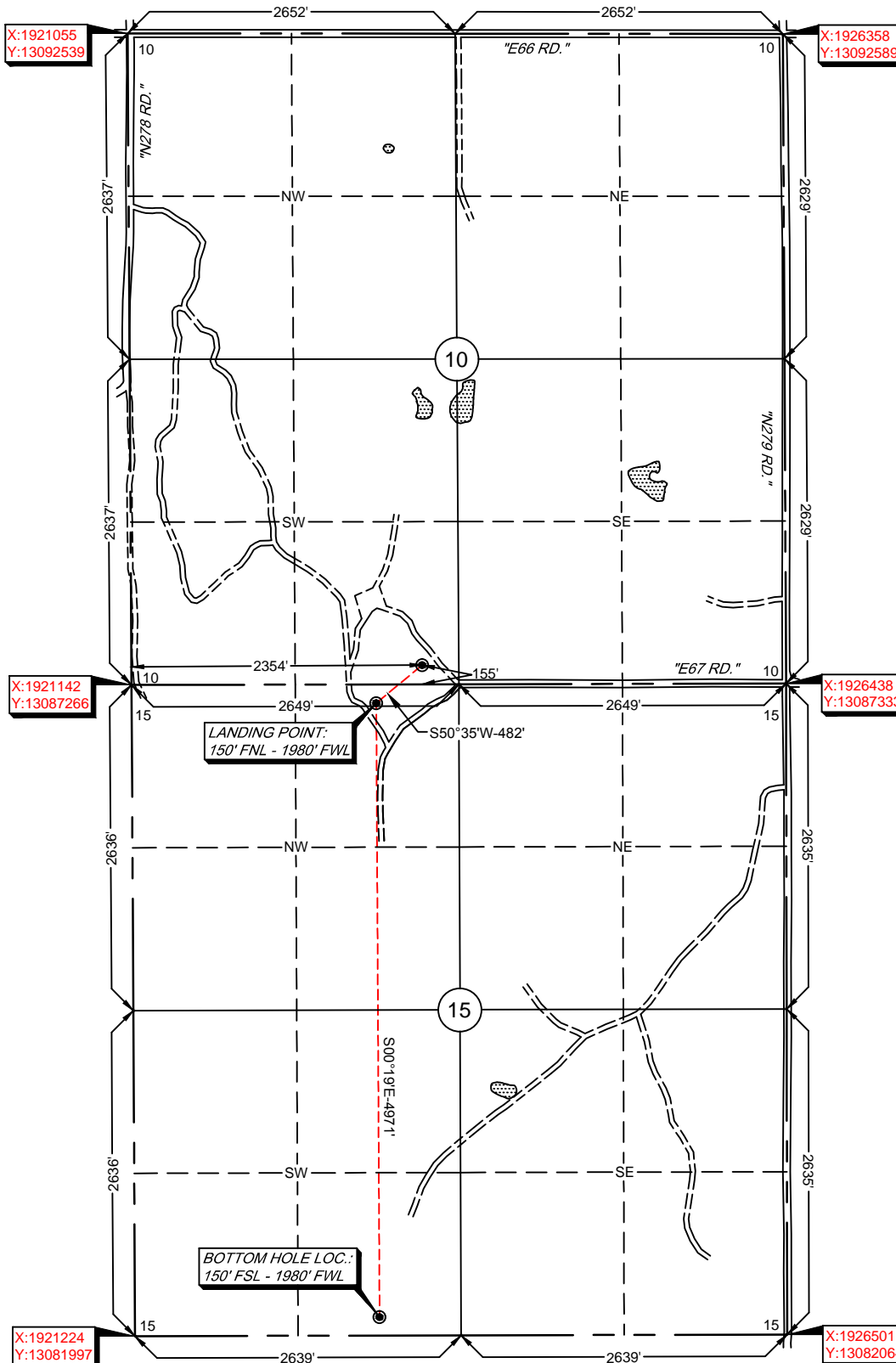
GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 36°02'38.88"N  
Lon: 98°02'33.05"W  
Lat: 36.04409504  
Lon: -98.04217587  
X:1923492  
Y:13087451

Landing Point:  
Lat: 36°02'35.85"N  
Lon: 98°02'37.58"W  
Lat: 36.04325420  
Lon: -98.04343467  
X:1923123  
Y:13087141

Bottom Hole Loc.:  
Lat: 36°01'46.69"N  
Lon: 98°02'37.23"W  
Lat: 36.02959833  
Lon: -98.04333663  
X:1923201  
Y:13082172

-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 #8760-A  
Date Staked: 07/16/19 By: D.K.  
Date Drawn: 07/17/19 By: C.K.  
Revised Name: 08/13/19 By: M.K.

## 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

08/13/19

OK LPLS 1664

