

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

API NUMBER: 073 26462

Approval Date: 02/26/2019  
Expiration Date: 08/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 18N Rge: 9W County: KINGFISHER  
SPOT LOCATION:  N2  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 32 330

Lease Name: ROY SUGGS 18-09-12 Well No: 1MH Well will be 32 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

BARBARA GLAZIER  
7349 E. 720 ROAD  
LOYAL OK 73756

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	7945	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810192  
201900333

Special Orders:

Total Depth: 13517 Ground Elevation: 1127

Surface Casing: 190

Depth to base of Treatable Water-Bearing FM: 140

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: 19-36183  
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 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 12 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 7777

Radius of Turn: 521

Direction: 1

Total Length: 4922

Measured Total Depth: 13517

True Vertical Depth: 8250

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/25/2019 - 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)

PENDING CD - 201900333

2/26/2019 - G58 - (I.O.) 12-18N-9W  
X690621 MSNLC  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL  
NO OP. NAMED  
REC 2/4/2019 (DUNN)

SPACING - 690621

2/26/2019 - G58 - (640)(HOR) 12-18N-9W  
EXT 678071 MSNLC, OTHERS  
POE TO BHL NLT 660' FB  
(COEXIST SP. ORDER 54099 MSSSD; SP. ORDER 202594 MSSLM)



# Well Location Plat

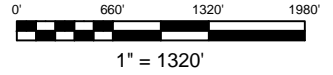
S.H.L. Sec. 13-18N-9W I.M.  
B.H.L. Sec. 12-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: ROY SUGGS 18-09-12 1MH  
Footage: 32' FNL - 330' FWL Gr. Elevation: 1127'  
N/2-NW/4-NW/4-NW/4 Section: 13 Township: 18N Range: 9W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell in a flat, open field.

073-26462



All bearings shown are grid bearings.

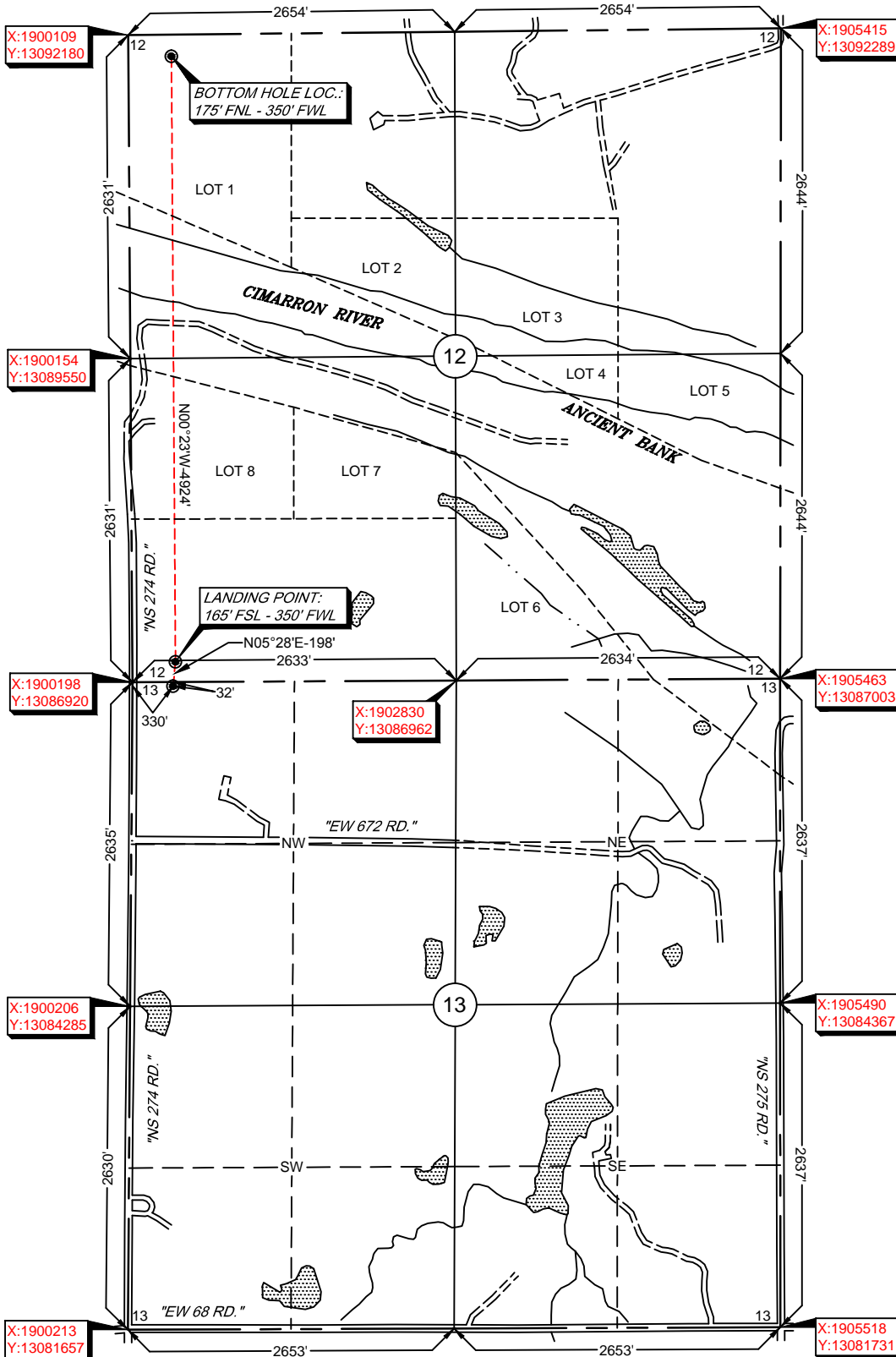


GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 36°02'35.50"N  
Lon: 98°07'12.82"W  
Lat: 36.04315596  
Lon: -98.11988536  
X:1900529  
Y:13086892

Landing Point:  
Lat: 36°02'37.45"N  
Lon: 98°07'12.59"W  
Lat: 36.04369872  
Lon: -98.11982227  
X:1900545  
Y:13087090

Bottom Hole Loc.:  
Lat: 36°03'26.15"N  
Lon: 98°07'13.06"W  
Lat: 36.05722595  
Lon: -98.11995427  
X:1900462  
Y:13092012



-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

### 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.

Invoice #8000  
Date Staked: 07/17/18 By: D.K.  
Date Drawn: 07/18/18 By: C.K.  
Rev. Lease Name: 01/18/19 By: R.S.

LANCE G. MATHIS

01/18/19  
OK LPLS 1664

