

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

API NUMBER: 073 25913

Approval Date: 01/31/2018

Expiration Date: 07/31/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 19N Rge: 7W

County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 273 1481

Lease Name: SAMUEL MAVERICK 19-07-04

Well No: 1H

Well will be 273 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

LEROY A. MACK & INEZ E. MACK TRUSTEES  
14404 SOUTH 16TH  
BISON OK 73720

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7540	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701591  
201705700

Special Orders:

Total Depth: 12787

Ground Elevation: 1126

Surface Casing: 390

Depth to base of Treatable Water-Bearing FM: 340

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: 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: 17-33265  
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 04 Twp 19N Rge 7W County KINGFISHER

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 1481

Depth of Deviation: 7020

Radius of Turn: 754

Direction: 360

Total Length: 4583

Measured Total Depth: 12787

True Vertical Depth: 7540

End Point Location from Lease,

Unit, or Property Line: 175

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

1/25/2018 - 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 - 201701591

1/30/2018 - G58 - (640)(HOR) 4-19N-7W  
EXT 625892 MSNLC, OTHERS  
COMPL. INT. NCT 660' FB  
(COEXIST SP. ORDER 47499 MRMC; SP. ORDER 63399 MNNG, MSSSD)  
REC 1/23/2018 (NORRIS)

PENDING CD - 201705700

1/30/2018 - G58 - (I.O.) 4-19N-7W  
X201701591 MSNLC  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
NO OP. NAMED  
REC 1/23/2018 (JOHNSON)

# Well Location Plat

S.H.L. Sec. 9-19N-7W I.M.  
B.H.L. Sec. 4-19N-7W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: SAMUEL MAVERICK 19-07-04 1H ALT  
Footage: 273' FNL - 1481' FWL Gr. Elevation: 1126'  
Section: 9 Township: 19N Range: 7W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell in a plowed field.

073-25913



All bearings shown  
are grid bearings.

0' 660' 1320' 1980'

1"= 1320'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°08'43.35"N

Lon: 97°57'22.68"W

Lat: 36.145338813

Lon: -97.955965237

X:1948576

Y:13124556

Landing Point:

Lat: 36°08'47.78"N

Lon: 97°57'22.68"W

Lat: 36.14656874

Lon: -97.95596370

X:1948572

Y:13125004

Bottom Hole Loc.:

Lat: 36°09'33.11"N

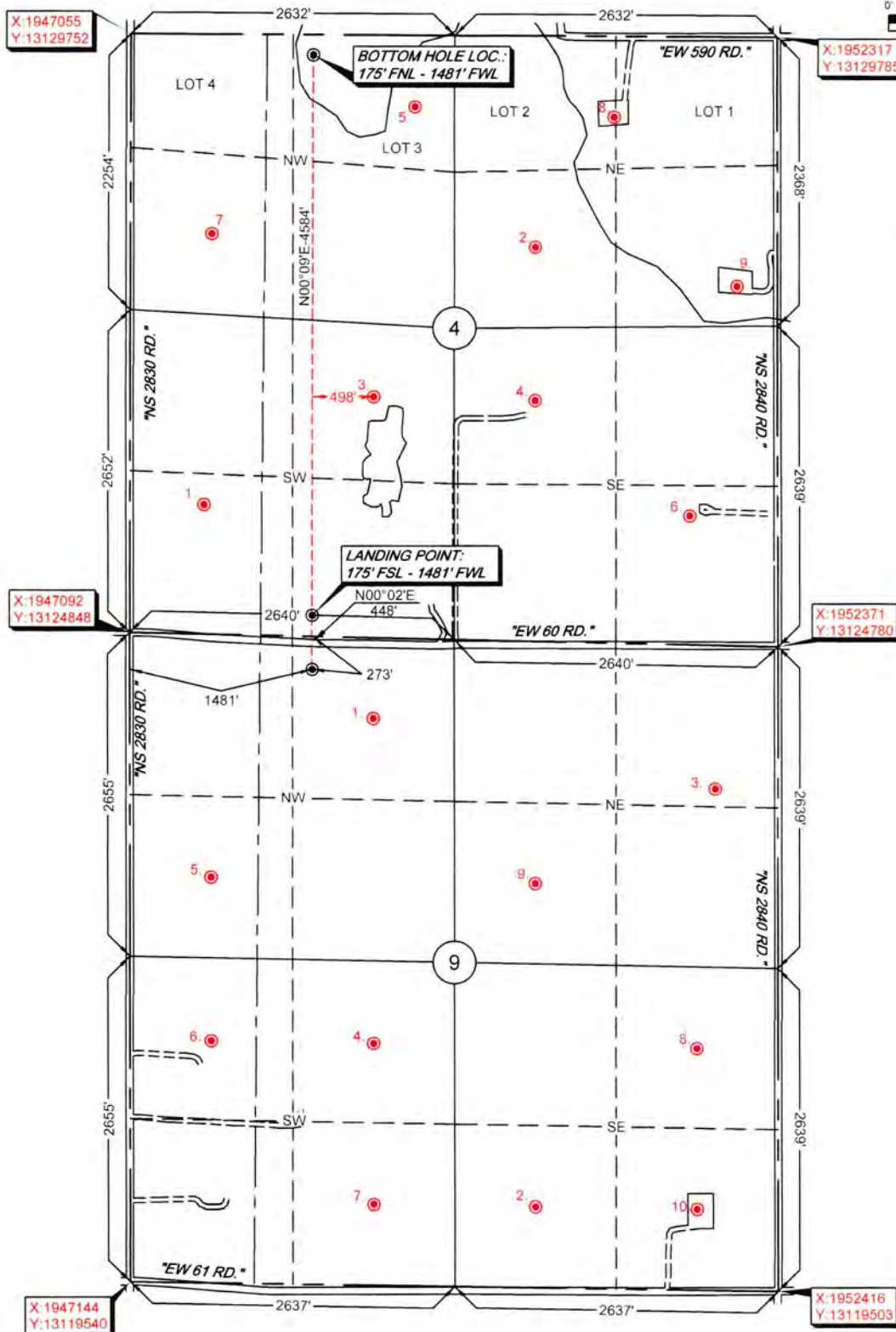
Lon: 97°57'22.51"W

Lat: 36.15916122

Lon: -97.95591520

X:1948537

Y:13129587



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, 2018

Invoice #7343-ALT

Date Staked: 09/05/17 By: C.K.

Date Drawn: 09/12/17 By: K.B.

General Revision: 10/20/17 By: R.M.

Add LP: 01/30/18 By: R.M.

## 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

01/30/18

OK LPLS 1664

