

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

API NUMBER: 073 26547

Approval Date: 04/23/2019

Expiration Date: 10/23/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 19N Rge: 9W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 350 2445

Lease Name: BLACKSMITH 19-09-36

Well No: 1MH

Well will be 350 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

DONALD MILLER & TINE K. WALKER  
324 E. ORBIT DRIVE  
GUTHRIE OK 73044

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	7530	6
2			7
3			8
4			9
5			10

Spacing Orders: 685771

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900675

Special Orders:

Total Depth: 13081

Ground Elevation: 1120

**Surface Casing: 230**

Depth to base of Treatable Water-Bearing FM: 180

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36517

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 36 Twp 19N Rge 9W County KINGFISHER

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 2572

Depth of Deviation: 7729

Radius of Turn: 521

Direction: 2

Total Length: 4534

Measured Total Depth: 13081

True Vertical Depth: 8250

End Point Location from Lease,

Unit, or Property Line: 175

Notes:

Category

Description

PENDING CD - 201900675

4/23/2019 - GB1 - (I.O.) 36-19N-9W  
X685771 MSNLC  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FWL  
NO OP. NAMED  
REC. 2/19/2019 (JOHNSON)

SPACING - 685771

4/22/2019 - GB1 - (640)(HOR) 36-19N-9W  
EXT OTHER  
EXT 671150 MSNLC  
COMPL. INT. (MSNLC) NLT 660' FB  
(COEXIST SP. #52721/62417 MSSSD)

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.

073 26547 BLACKSMITH 19-09-36 1MH



# Well Location Plat

Sec. 36-19N-9W I.M.

Operator: CHISHOLM OIL &amp; GAS OPERATING, LLC

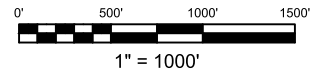
Lease Name and No.: BLACKSMITH 19-09-36 1MH

Footage: 350' FSL - 2445' FWL Gr. Elevation: 1120'

NE/4-SE/4-SW/4 Section: 36 Township: 19N Range: 9W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in very hilly terrain.

All bearings shown  
are grid bearings.

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°04'23.89"N

Lon: 98°06'47.32"W

Lat: 36.07326548

Lon: -98.11280236

X: 1902522

Y: 13097868

Landing Point:

Lat: 36°04'25.87"N

Lon: 98°06'45.67"W

Lat: 36.07381569

Lon: -98.11234414

X: 1902656

Y: 1398070

Bottom Hole Loc.:

Lat: 36°05'10.60"N

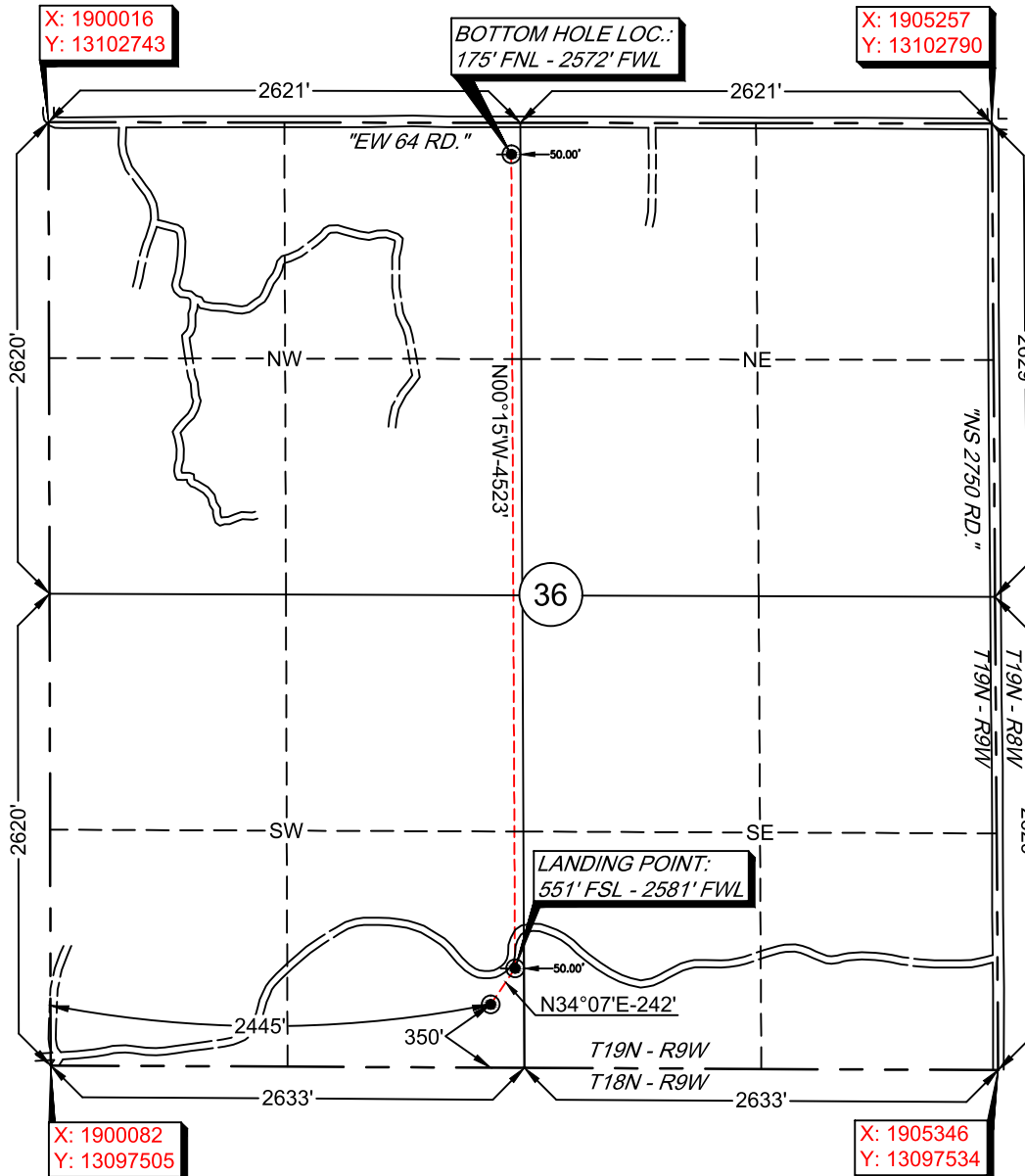
Lon: 98°06'45.98"W

Lat: 36.08624133

Lon: -98.11243031

X: 1902589

Y: 13102591



-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 #7998-B

Date Staked: 02/20/19 By: D.K.

Date Drawn: 02/21/19 By: J.H.

Rev. LP &amp; BHL: 03/07/19 By: E.W.

## 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

03/08/19

OK LPLS 1664

