

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

API NUMBER: 073 26546

Approval Date: 04/19/2019

Expiration Date: 10/19/2020

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 2470

Lease Name: SODBUSTER 18-09-01

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 D. 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: 689533

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901240

Special Orders:

Total Depth: 13517

Ground Elevation: 1119

**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: 19-36515

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 01 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 2603

Depth of Deviation: 7729

Radius of Turn: 521

Direction: 178

Total Length: 4970

Measured Total Depth: 13517

True Vertical Depth: 8250

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/13/2019 - 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 - 201901240

4/19/2019 - GB1 - (I.O.) 1-18N-9W  
X689533 MSNLC  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 1700' FEL  
NO OP. NAMED  
REC. 3/25/2019 (JOHNSON)

SPACING - 689533

4/19/2019 - GB1 - (640)(HOR) 1-18N-9W  
EXT 678071 MSNLC, OTHERS  
COMPL. INT. NCT 660' FB  
(COEXIST SP # 47103/52721/62417 MSSSD W2; SP # 50641/52721/62417 MSSSD E2)

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073 26546 SODBUSTER 18-09-01 1MH



# Well Location Plat

S.H.L. Sec. 36-19N-9W I.M.  
B.H.L. Sec. 1-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: SODBUSTER 18-09-01 1MH  
Footage: 350' FSL - 2470' FWL Gr. Elevation: 1119'  
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.



1" = 1320'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°04'23.89"N

Lon: 98°06'47.01"W

Lat: 36.07326571

Lon: -98.11271777

X: 1902547

Y: 13097869

Landing Point:

Lat: 36°04'18.79"N

Lon: 98°06'44.41"W

Lat: 36.07184771

Lon: -98.11199574

X: 1902765

Y: 13097355

Bottom Hole Loc.:

Lat: 36°03'29.88"N

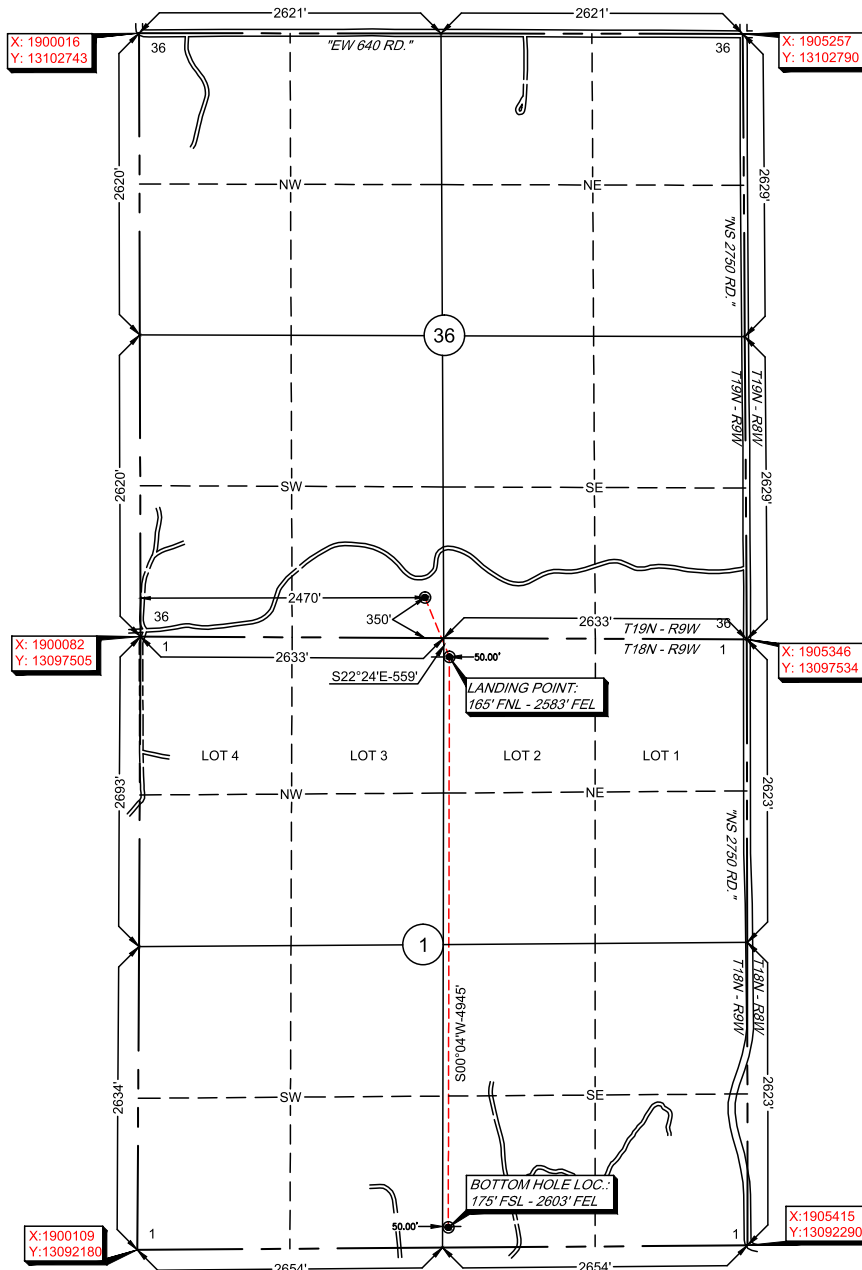
Lon: 98°06'44.41"W

Lat: 36.05826218

Lon: -98.11199499

X: 1902810

Y: 13092411



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. The survey was made on the ground and the accuracy of the survey is not guaranteed. Any inaccuracy is determined. GPS data is obtained 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 other reliable source. The surveyor does not warrant the accuracy of the data thereon, 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

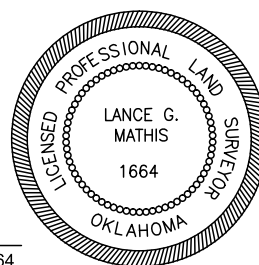
Certification:

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.

*Lance G. Mathis*  
LANCE G. MATHIS

03/22/19

OK LPLS 1664



Invoice #7998-B-B

Date Staked: 02/20/19

By: D.K.

Date Drawn: 03/21/19

By: E.W.