

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

API NUMBER: 073 25670 A

Approval Date: 03/30/2020

Expiration Date: 09/30/2021

Horizontal Hole Oil & Gas

**PERMIT TO DEEPEN**

WELL LOCATION: Section: 01 Township: 19N Range: 9W County: KINGFISHER

SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 149 2537

Lease Name: BRYAN 1909 Well No: 1-1LOH Well will be 149 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

BRYAN FAMILY LAND AND CATTLE LLC  
PO BOX 7  
HENNESSEY OK 73742

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	7168
2	WOODFORD	319WDFD	8122

Spacing Orders: 636255

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 12642

Ground Elevation: 1195

Surface Casing: 548 IP

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No  
Fresh Water Supply Well Drilled: No  
Surface Water used to Drill: No

**Approved Method for disposal of Drilling Fluids:**

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37338  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**PIT 1 INFORMATION**

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

**HORIZONTAL HOLE 1**

Section: 1 Township: 19N Range: 9W

County: KINGFISHER

Spot Location of End Point: C NW NE

Feet From: NORTH 1/4 Section Line: 660

Feet From: WEST 1/4 Section Line: 1980

Total Length: 4937

Measured Total Depth: 12642

True Vertical Depth: 8122

End Point Location from  
Lease, Unit, or Property Line: 660

**NOTES:**

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.

Category	Description
HYDRAULIC FRACTURING	<p>3/18/2020 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 636255	<p>6/12/2017 - G64 - (640)(HOR) 1-19N-9W  EXT 612674 MSSP, WDFD, OTHER  COMPL. INT. (MSSP) NCT 660' FB  COMPL. INT. (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  (COEXIST SP. ORDER 66632 MSSOG; ORDER 164525 MNNG; ORDER 356154 MNNG, MSSSD, CSTR)</p>

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073 25670 BRYAN 1909 1-1LOH



# Well Location Plat

Sec. 1-19N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: BRYAN 1909 1-1LOH  
Footage: 149' FSL - 2537' FEL Gr. Elevation: N/A  
SW/4-SW/4-SW/4-SE/4 Section: 1 Township: 19N Range: 9W I.M.  
County: Kingfisher State of Oklahoma

API: 073-25670A



All bearings shown are grid bearings.



1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°08'41.98"N

Lon: 98°06'44.73"W

Lat: 36.14495829

Lon: -98.11208355

X: 1902496

Y: 13123960

Landing Point:

Lat: 36°08'47.15"N

Lon: 98°06'37.97"W

Lat: 36.14639359

Lon: -98.11020573

X: 1903046

Y: 13124487

Bottom Hole Loc.:

Lat: 36°09'26.56"N

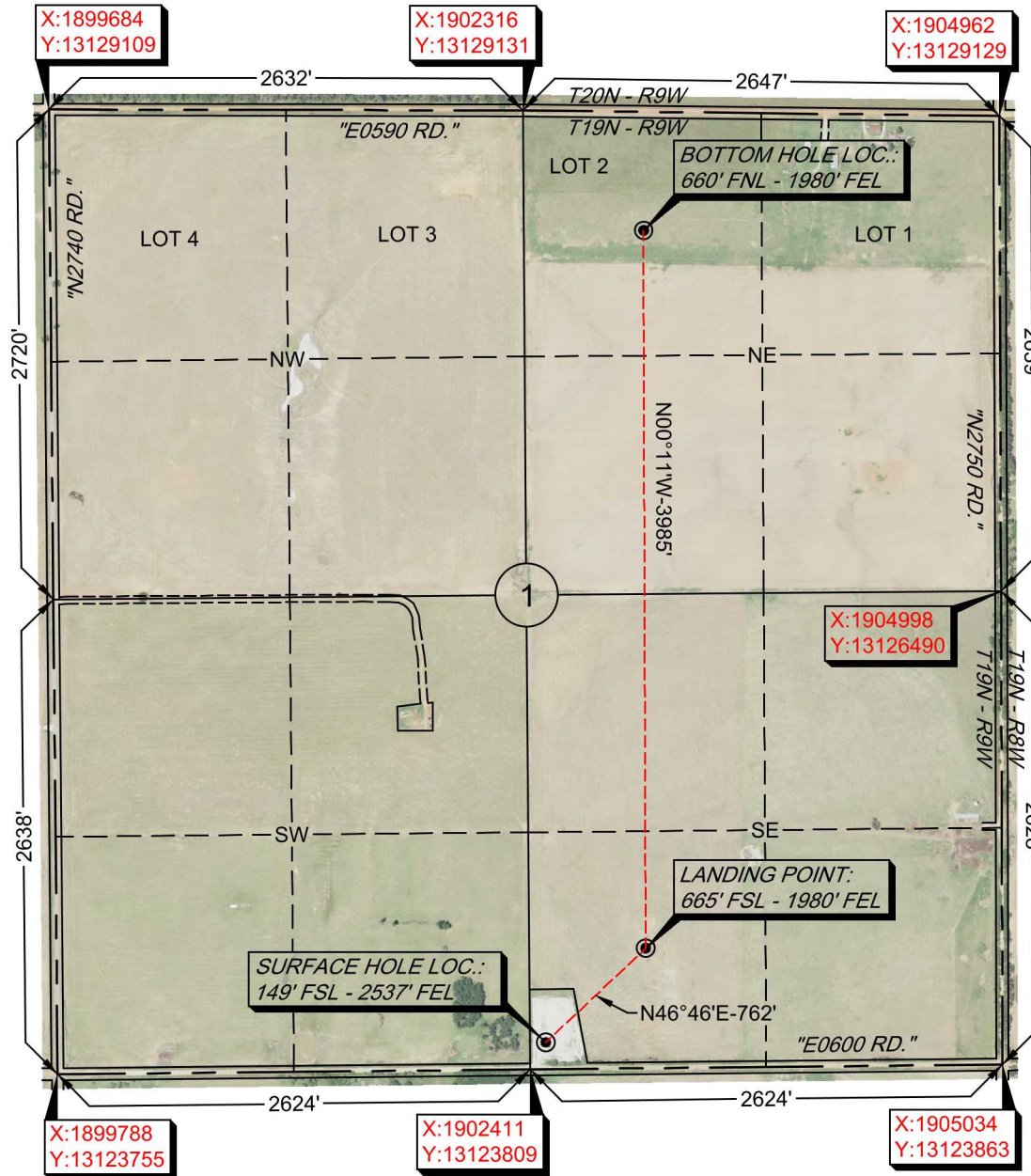
Lon: 98°06'38.18"W

Lat: 36.15734147

Lon: -98.11026506

X: 1902992

Y: 13128471



-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 #N/A

Date Staked: N/A By: N/A

Date Drawn: 03/10/2020 By: M.K.

## -DISCLAIMER-

The information shown hereon depicts the data as provided by the client and/or section corner data found online of public record. Further, this does not represent the result of a survey made on the ground by Arkoma Surveying and Mapping.

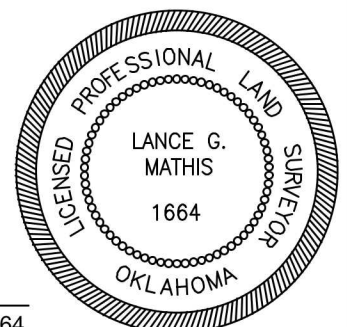
## Certification:

This is to certify that this Well Location Plat depicts the data as provided by the client.

*Lance G. Mathis*  
LANCE G. MATHIS

03/17/2020

OK LPLS 1664





# Well Location Plat

Sec. 1-19N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: BRYAN 1909 1-1LOH

Footage: 149' FSL - 2537' FEL Gr. Elevation: N/A

SW/4-SW/4-SW/4-SE/4 Section: 1 Township: 19N Range: 9W I.M.

County: Kingfisher State of Oklahoma



All bearings shown are grid bearings.

0' 500' 1000' 1500'

1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

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Lat: 36°08'41.98"N

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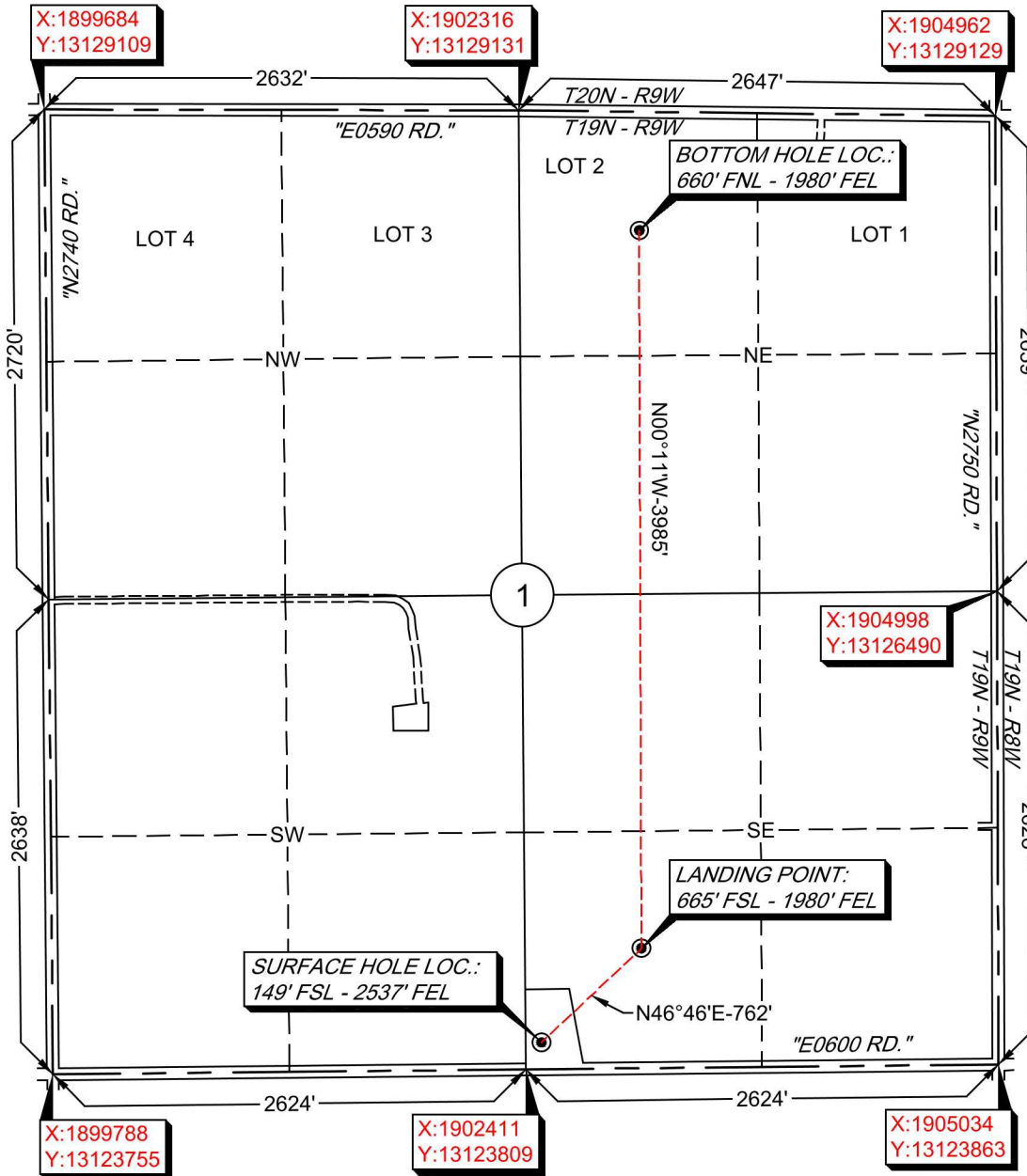
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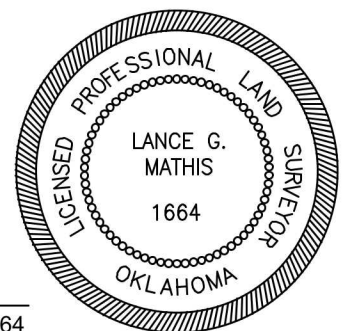
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*Lance G. Mathis*  
LANCE G. MATHIS

03/17/2020

OK LPLS 1664



Invoice #N/A

Date Staked: N/A By: N/A

Date Drawn: 03/10/2020 By: M.K.





# Topographic Vicinity Map

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: BRYAN 1909 1-1LOH

Surface Hole Location: 149' FSL - 2537' FEL

Landing Point: 665' FSL - 1980' FEL

Bottom Hole Location: 660' FNL - 1980' FEL

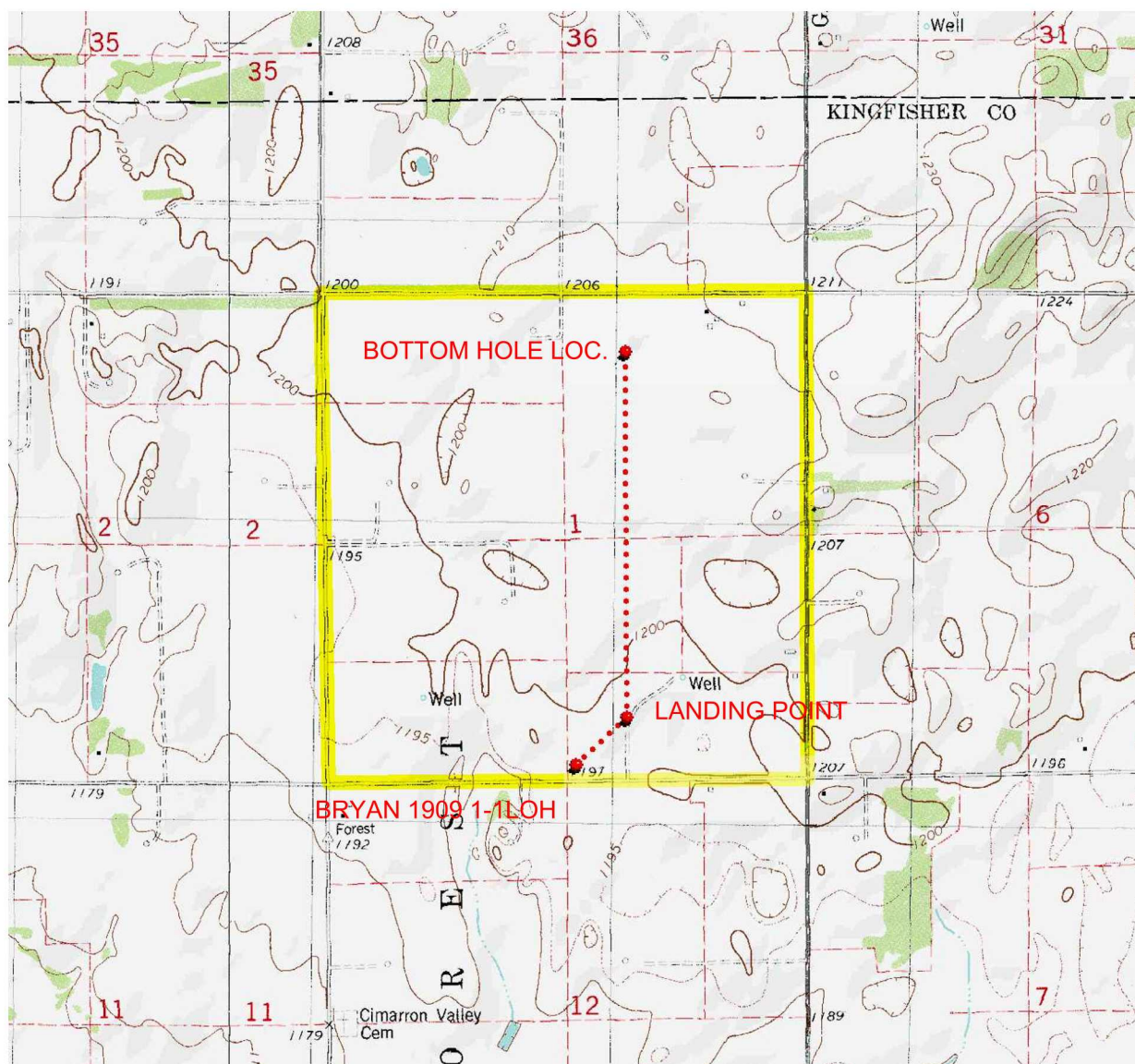
Sec. 1 Twp. 19N Rng. 9W I.M.

County: Kingfisher State of Oklahoma



Ground Elevation at Surface Hole Location: N/A

Scale 1" = 2000'  
Contour Interval: 10'



Provided by:

**Arkoma Surveying and Mapping, PLLC**

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Expires June 30, 2020

Date Staked: N/A

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully 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.

# County Highway Vicinity Map

Job #: N/A

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: BRYAN 1909 1-1LOH

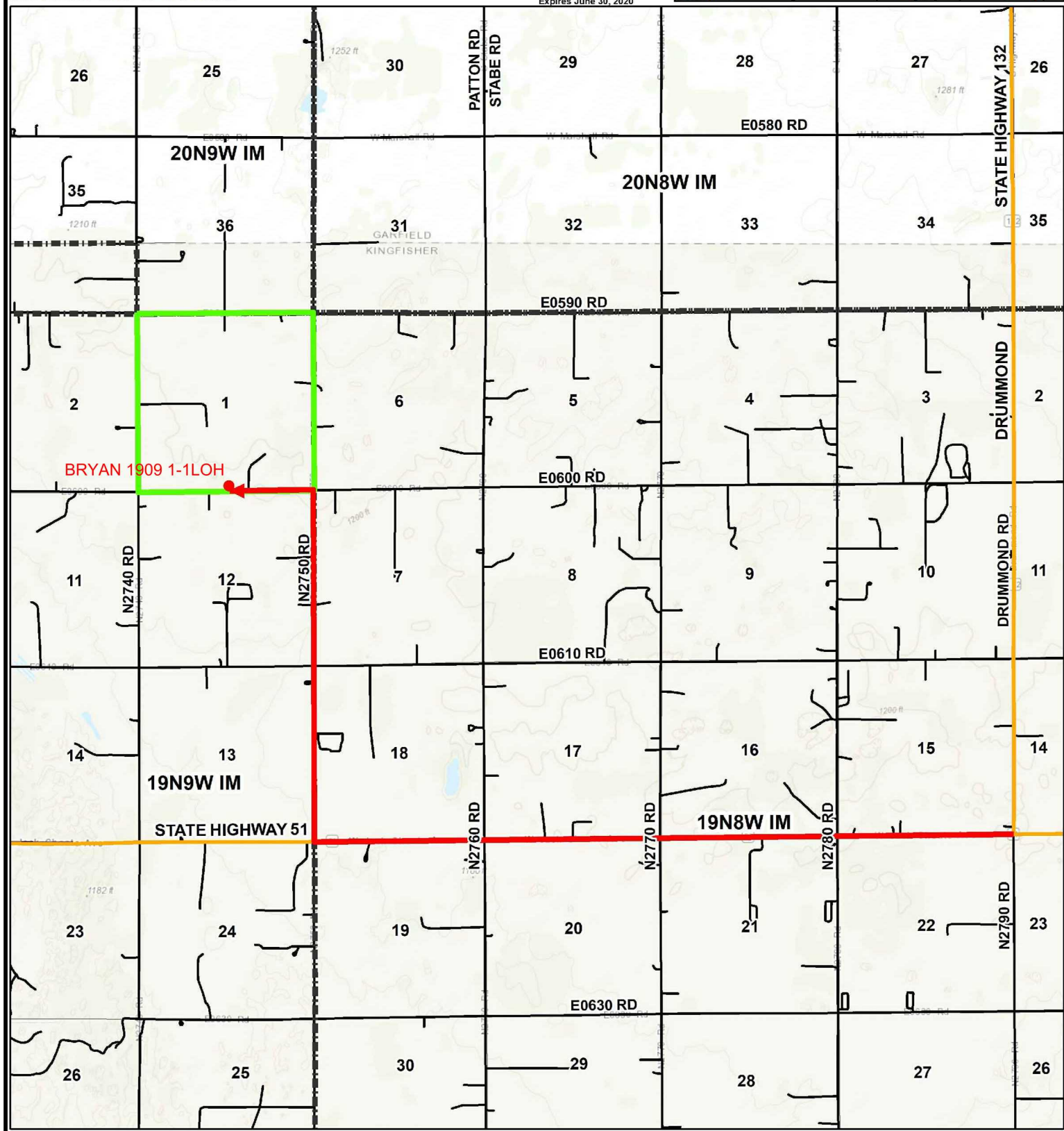
**Accessibility: From the South.**

**Directions: From the junction of State HWY 132 & State HWY 51 West of the town of Hennessey, OK, go 4.0 miles West on State HWY 51, 2.0 miles North on "NS 275 RD.", then go 0.5 miles West on "EW 60 RD." to the Southeast Quarter of Section 1-19N-9W on the North side of the road.**



1 inch = 0.75 mile

provided by,  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 238 Wilburton, OK 74576  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
Expires June 30, 2020







# Anti-Collision

Sec. 1-19N-9W I.M.

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County: Kingfisher State of Oklahoma

