

API NUMBER: 087 22333

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

Approval Date: 12/15/2021
Expiration Date: 06/15/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 06 Township: 7N Range: 4W County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 283 1468

Lease Name: TRIDENT 31-30 Well No: 1MHX Well will be 283 feet from nearest unit or lease boundary.

Operator Name: WARWICK-MINERVA LLC Telephone: 4056073400 OTC/OCC Number: 24267 0

WARWICK-MINERVA LLC
6608 N WESTERN AVE BOX 417
OKLAHOMA CITY, OK 73116-7326

BILL R, AND KARLA A. BROOKS
PO BOX 123
BLANCHARD OK 73010

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	10100

Spacing Orders: 709860

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202102473

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 21100

Ground Elevation: 1259

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 480

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 20-37433

H. (Other)

SEE MEMO

PIT 1 INFORMATION

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? Y

Wellhead Protection Area? Y

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: DUNCAN

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

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: DUNCAN

HORIZONTAL HOLE 1

Section: 30 Township: 8N Range: 4W Meridian: IM

Total Length: 10234

County: MCCLAIN

Measured Total Depth: 21100

Spot Location of End Point: NE NW NW NW

True Vertical Depth: 10275

Feet From: NORTH 1/4 Section Line: 50

End Point Location from

Feet From: WEST 1/4 Section Line: 380

Lease, Unit, or Property Line: 50

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.

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[12/15/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
MEMO	[12/15/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202102473	<p>[12/15/2021 - G56] - (I.O.) W2 30 & W2 31-8N-4W X709860 MSSP COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 330' FWL NO OP NAMED REC 12/6/2021 (HUBER)</p>
PUBLIC WATER SUPPLY	[12/15/2021 - GC2] - ACES SPORTS BAR, E2 36-8N-5W
SPACING - 709860	<p>[12/15/2021 - G56] - (640)(HOR)(IRR UNIT) W2 30 & W2 31-8N-4W SU EST MSSP, OTHERS COMPL INT NCT 660' FB</p>
SURFACE CASING	[12/15/2021 - GC2] - NO DEEP SURFACE CASING ALLOWED DUE TO BEING IN A PUBLIC WATER SUPPLY BOUNDARY

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.



Arkoma

All bearings shown
are grid bearings.

0' 500' 1000' 1500'

$$1'' = 1000'$$

GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°06'57.69"N
Lon: 97°39'56.11"W
Lat: 35.11602444
Lon: -97.66558490
X: 2068514
Y: 648940

Surface Hole Loc.:
Lat: 35°06'57.45"N
Lon: 97°39'54.97"W
Lat: 35.11595783
Lon: -97.66526922
X: 2100111
Y: 648897

First Take Point:
Lat: 35°07'02.07"N
Lon: 97°40'09.20"W
Lat: 35.11724176
Lon: -97.66922193
X: 2067425
Y: 649379

First Take Point:
 Lat: 35°07'01.83"N
 Lon: 97°40'08.06"W
 Lat: 35.11717521
 Lon: -97.66890612
 X: 2099022
 Y: 649337

Last Take Point:
 Lat: 35°08'43.30"N
 Lon: 97°40'09.18"W
 Lat: 35.14536005
 Lon: -97.66921727
 X: 2067393
 Y: 659614

Last Take Point:
Lat: 35°08'43.06"N
Lon: 97°40'08.04"W
Lat: 35.14529403
Lon: -97.66890109
X: 2098989
Y: 659571

Bottom Hole Loc.:
Lat: 35°08'44.43"N
Lon: 97°40'09.18"W
Lat: 35.14567600
Lon: -97.66921724
X: 2067392
Y: 659729

Bottom Hole Loc.:
Lat: 35°08'44.20"N
Lon: 97°40'08.04"W
Lat: 35.14560998
Lon: -97.66890106
X: 2098989
Y: 659686

Please note that this location was staked on the ground under the supervision of the District Engineer and was not a "true" boundary survey. The location was not surveyed and the boundary was not established. Please contact AGIS 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 hereof, 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, 2022

Invoice #8998
Date Staked: 11/01/2021 By: D.W.
Date Drawn: 11/02/2021 By: J.L.
Added Bore Path: 11/03/2021 By: J.L.

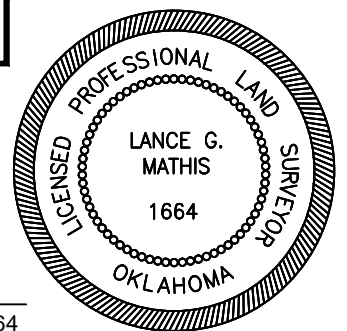
Certification:

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

11/04/2021

OK LPLS 1664





Well Location Plat

S.H.L. Sec. 6-7N-4W I.M.
B.H.L. Sec. 30-8N-4W I.M.

Operator: WARWICK ENERGY GROUP
Lease Name and No.: TRIDENT 31-30 1MXH
Surface Hole Location: 283' FNL - 1468' FWL Gr. Elevation: 1259'
NW/4-NW/4-NE/4-NW/4 Section: 6 Township: 7N Range: 4W I.M.
Bottom Hole Location: 50' FNL - 380' FWL
NE/4-NW/4-NW/4-NW/4 Section: 30 Township: 8N Range: 4W I.M.
County: McClain State of Oklahoma
Terrain at Loc.: Location fell on existing level pad site.



All bearings shown
are grid bearings.



1" = 1000'

GPS DATUM
NAD 83
NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
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Lat: 35°08'44.20"N
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Lon: -97.66890106
X: 2098989
Y: 659686

- 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.

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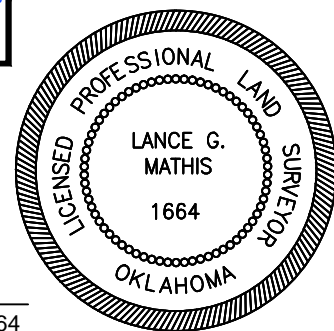
Certification:

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LANCE G. MATHIS

11/04/2021

OK LPLS 1664



Operator: WARWICK ENERGY GROUP

Lease Name and No.: TRIDENT 31-30 1MXH

Surface Hole Location: 283' FNL - 1468' FWL

Section: 6 Township: 7N Range: 4W I.M.

First Take Point: 165' FSL - 380' FWL

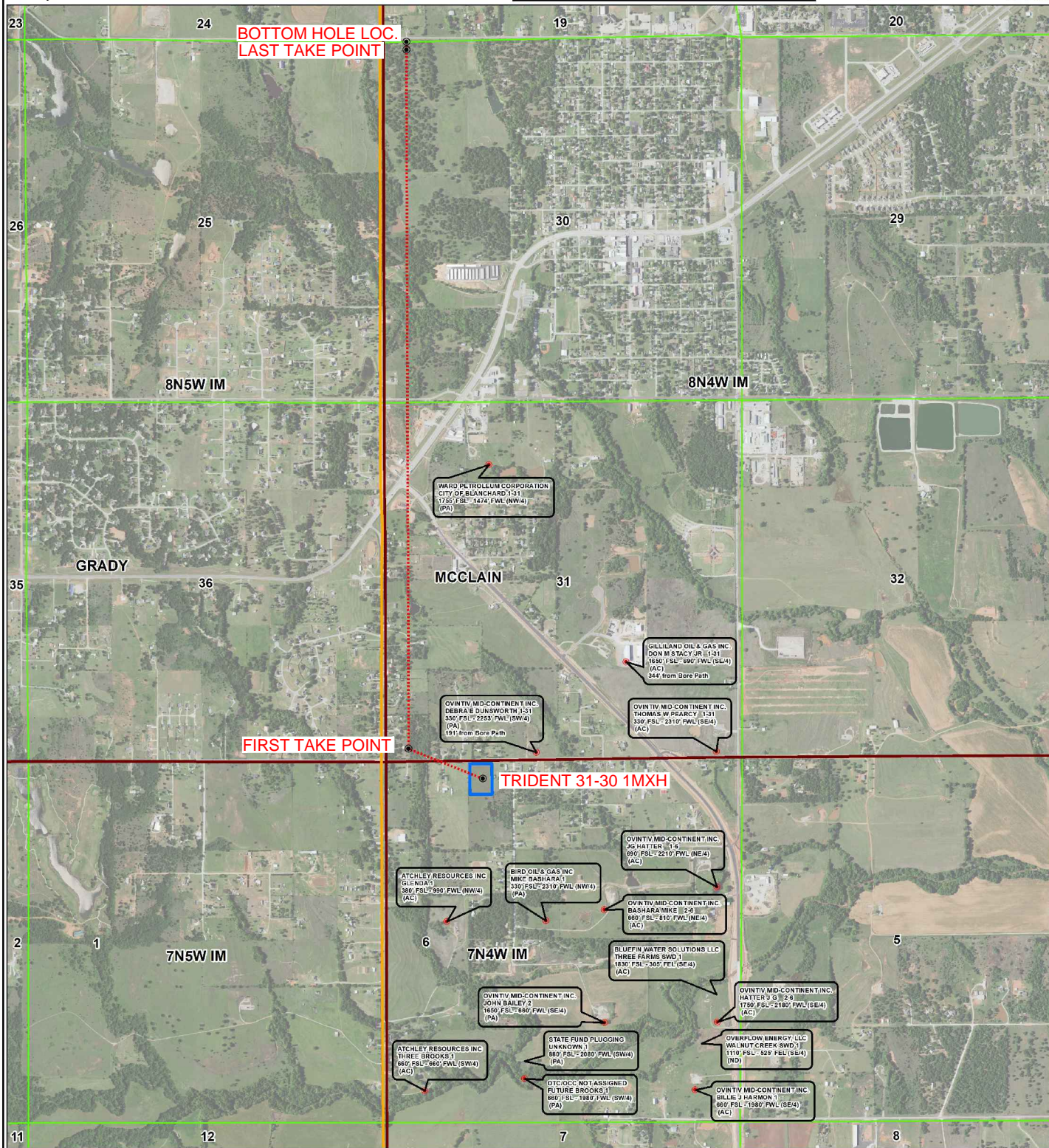
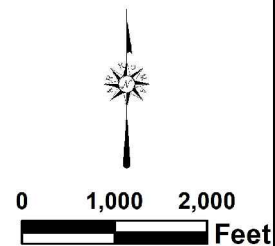
Section: 31 Township: 8N Range: 4W I.M.

Last Take Point: 165' FNL - 380' FWL

Bottom Hole Location: 50' FNL - 380' FWL

Section: 30 Township: 8N Range: 4W I.M.

County: McClain State of Oklahoma



Topographic Vicinity Map

Operator: WARWICK ENERGY GROUP

Lease Name and No.: TRIDENT 31-30 1MXH

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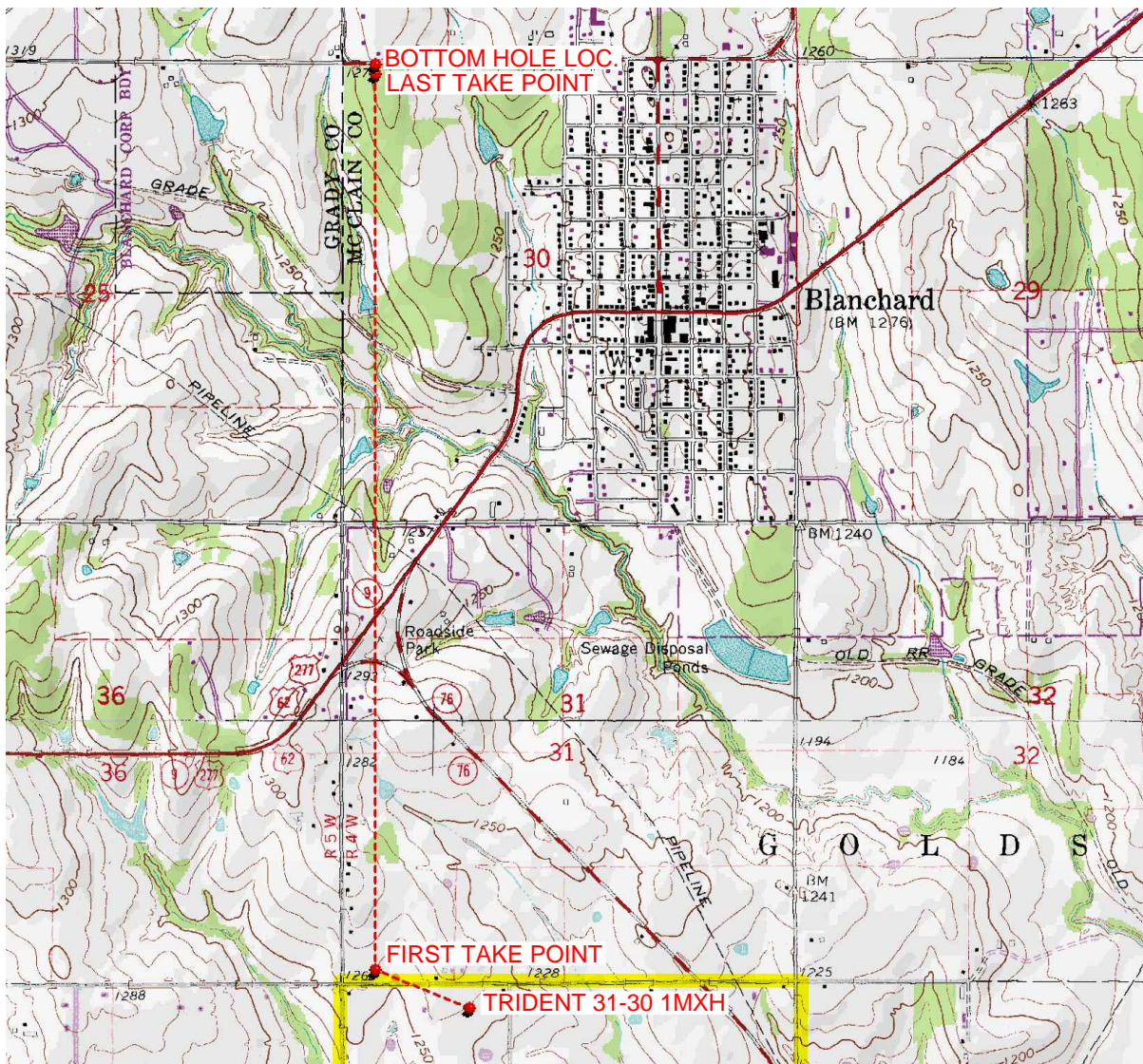
Section: 30 Township: 8N Range: 4W I.M.

County: McClain State of Oklahoma

Ground Elevation at Surface Hole Location: 1259'



Scale 1" = 2000'
Contour Interval: 10'



Provided by:

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Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2022

Date Staked: 11/01/2021

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

WARWICK
GROUP

Job #: 8998

Operator: WARWICK ENERGY GROUP

Lease Name and No.: TRIDENT 31-30 1MHX

Accessibility: From the North.

Directions: From the junction of US HWY 62 & State HWY 76 in the town of Blanchard, OK, go 1.1 miles South on State HWY 76, then go 0.5 miles West on "280th St" to the Northwest Quarter of Section 6-7N-4W on the South side of the road.

1 inch = 0.5 mile

provided by:
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Certificate of Authorization No. 5348
Expires June 30, 2020

