

API NUMBER: 121 24878 A

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

Approval Date: 08/26/2021
Expiration Date: 02/26/2023

Directional Hole Oil & Gas

Amend reason: UPDATE BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 14 Township: 7N Range: 18E County: PITTSBURG

SPOT LOCATION: SE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 355 555

Lease Name: FORD 0718 Well No: 4-14V Well will be 355 feet from nearest unit or lease boundary.
Operator Name: RED MOUNTAIN OPERATING LLC Telephone: 4058424500 OTC/OCC Number: 23694 0

RED MOUNTAIN OPERATING LLC
5901 N WESTERN AVE
OKLAHOMA CITY, OK 73118-1253

SONJA FORD
PO BOX 839
QUINTON OK 74561-0839

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

	Name	Code	Depth
1	ATOKA	403ATOK	2445
2	WAPANUCKA	402WPCK	6615
3	CROMWELL	402CMWL	7251

Spacing Orders: 46096
576361

Location Exception Orders: 720856

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 7350 Ground Elevation: 697

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 220

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: 19-37018
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: 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: BED AQUIFER

Pit Location Formation: SAVANNA

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? 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: BED AQUIFER

Pit Location Formation: SAVANNA

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.

DIRECTIONAL HOLE 1

Section: 14 Township: 7N Range: 18E Meridian: 1M

County: PITTSBURG

Measured Total Depth: 7350

Spot Location of End Point: W2 NE NW NW

True Vertical Depth: 7300

Feet From: **NORTH** 1/4 Section Line: 330

End Point Location from

Feet From: **WEST** 1/4 Section Line: 850

Lease, Unit, or Property Line: 330

NOTES:

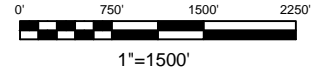
Category	Description
HYDRAULIC FRACTURING	<p>[8/18/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE 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>
LOCATION EXCEPTION - 720856	<p>[10/5/2021 - G56] - (E.O.) 14-7N-18E X46096 CMWL X576361 ATOK, WPCK SHL 355' FNL, 540' FWL *** BHL NCT 330' FNL, NCT 850' FWL RED MOUNTAIN OP, LLC 9/30/2021</p> <p>*** S/B 355' FNL, 555' FWL; WILL BE CORRECTED IN FINAL ORDER PER ATTORNEY FOR OPERATOR;</p>
SPACING - 46096	<p>[8/26/2021 - G56] - (640) 14-7N-18E VAC 20109 COAT, CMWL EXT 29915/VAR/44925 ATKBA, CMWL (VAC BY SP # 576361 ATKBA)</p>
SPACING - 576361	<p>[8/26/2021 - G56] - (640) 14-7N-18E VAC 46096 ATKBA VAC 119584 ATOKU, ATOKM EXT 172655 WPCK, OTHER EST ATOK, OTHERS</p>



Well Location Plat

Sec. 14-7N-18E I.M.

Operator: RED MOUNTAIN ENERGY, LLC
 Lease Name and No.: FORD 0718 4-14V
 Surface Hole Location: 355' FNL - 555' FWL Gr. Elevation: 697'
 SE/4-NW/4-NW/4-NW/-4 Section: 14 Township: 7N Range: 18E I.M.
 Bottom Hole Location: 330' FNL - 850' FWL
 NW/4-NE/4-NW/4-NW/-4 Section: 14 Township: 7N Range: 18E I.M.
 County: Pittsburg State of Oklahoma
 Terrain at Loc.: Location fell in flat pasture.

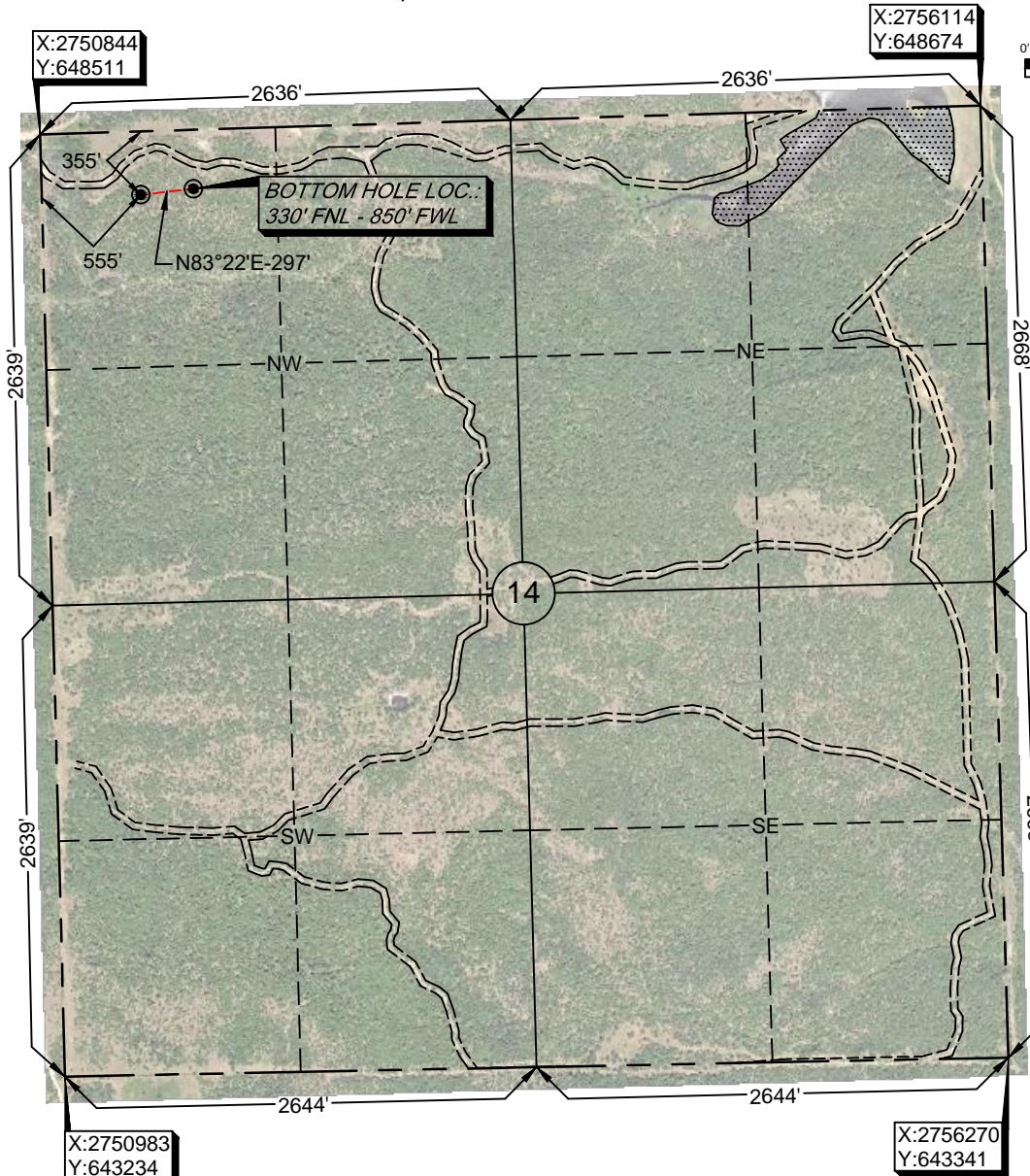


GPS DATUM
 NAD 83
 OK SOUTH ZONE

Surface Hole Loc.:
 Lat: 35°05'11.35"N
 Lon: 95°22'58.24"W
 Lat: 35.08648722
 Lon: -95.38284513
 X: 2751408
 Y: 648173

Bottom Hole Loc.:
 Lat: 35°05'11.62"N
 Lon: 95°22'54.69"W
 Lat: 35.08656031
 Lon: -95.38185753
 X: 2751702
 Y: 648208

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.



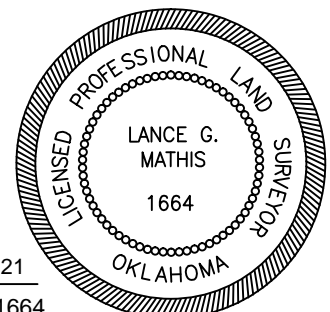
Survey and plat by:
Arkoma Surveying and Mapping, PLLC
 P.O. Box 238 Wilburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030
 Certificate of Authorization No. 5348
 Expires June 30, 2020
 Invoice #6689-B-E
 Date Staked: 10/27/16 By: D.A.
 Date Drawn: 07/15/19 By: M.K.
 Rev. Lse. Name & BHL: 09/17/19 By: C.K.
 Rev. BHL: 10/04/2021 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
 LANCE G. MATHIS

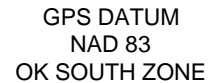
10/04/2021

OK LPLS 1664





Operator: RED MOUNTAIN ENERGY, LLC
Lease Name and No.: FORD 0718 4-14V
Surface Hole Location: 355' FNL - 555' FWL Gr. Elevation: 697'
SE/4-NW/4-NW/4-NW/-4 Section: 14 Township: 7N Range: 18E I.M.
Bottom Hole Location: 330' FNL - 850' FWL
NW/4-NE/4-NW/4-NW/-4 Section: 14 Township: 7N Range: 18E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell in flat pasture.

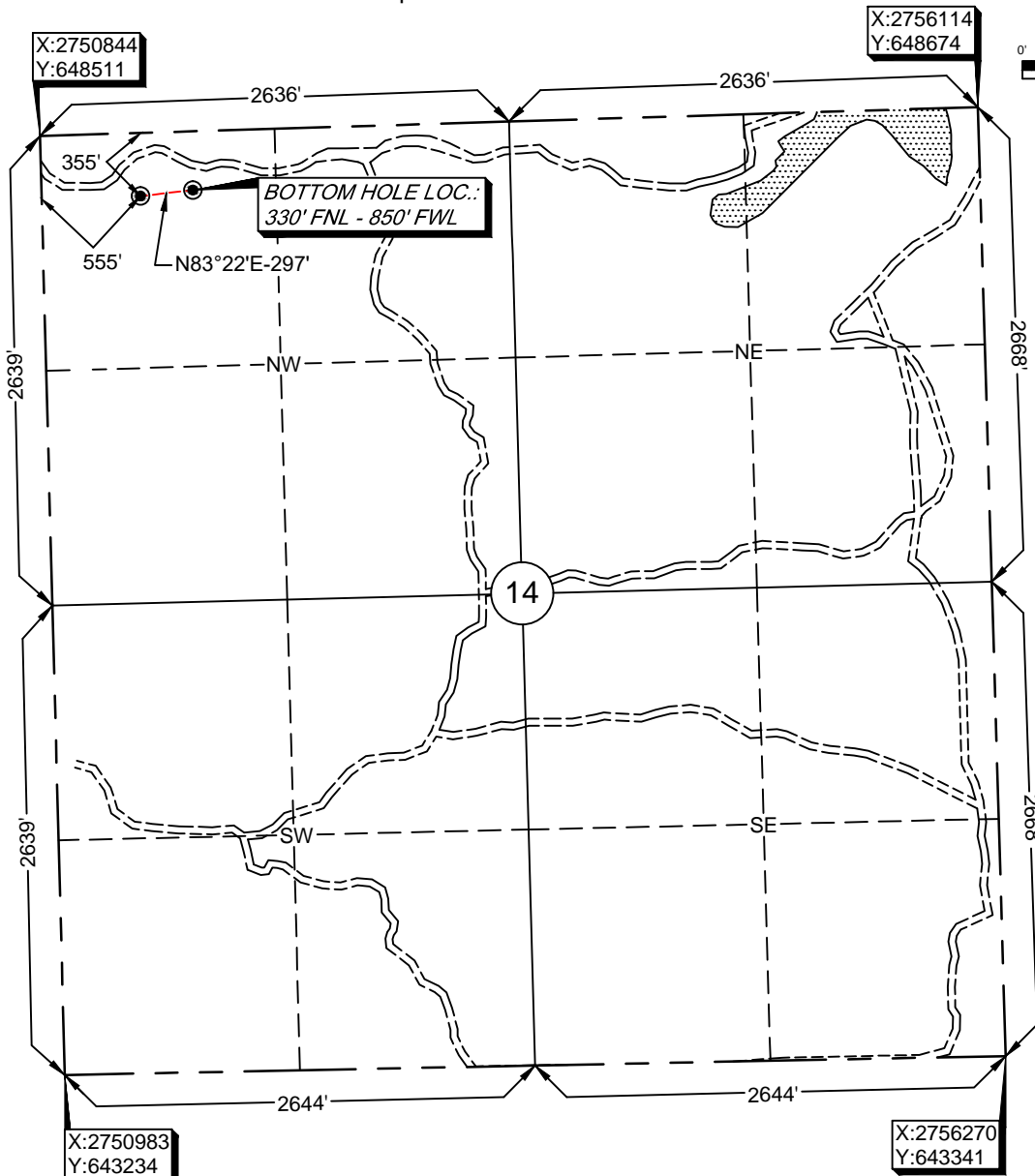


Surface Hole Loc.: Lat: 35°05'11.35"N Lon: 95°22'58.24"W Lat: 35.08648722 Lon: -95.38284513 X: 2751408 Y: 648173
Bottom Hole Loc.: Lat: 35°05'11.62"N Lon: 95°22'54.69"W Lat: 35.08656031 Lon: -95.38185753 X: 2751702 Y: 648208

Please note that this location was staked on the ground under the supervision of a Licensed Professional Surveyor. The location of this survey is not guaranteed. Please contact Alvin S. Swiney and Mark D. Goss if any questions are determined. GPS data is obtained from R.T. GPS.


NOTE: X and Y data shown hereafter for Section Corners may NOT have been surveyed on-the-ground and thus, 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.



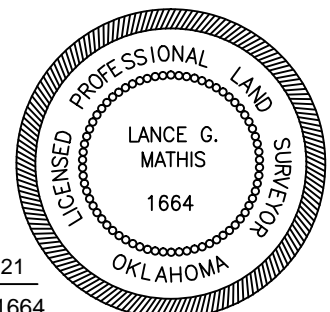
Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2020
Invoice #6689-B-E
Date Staked: 10/27/16 By: D.A.
Date Drawn: 07/15/19 By: M.K.
Rev. Lse. Name & BHL: 09/17/19 By: C.K.
Rev. BHL: 10/04/2021 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

10/04/2021

OK LPLS 1664





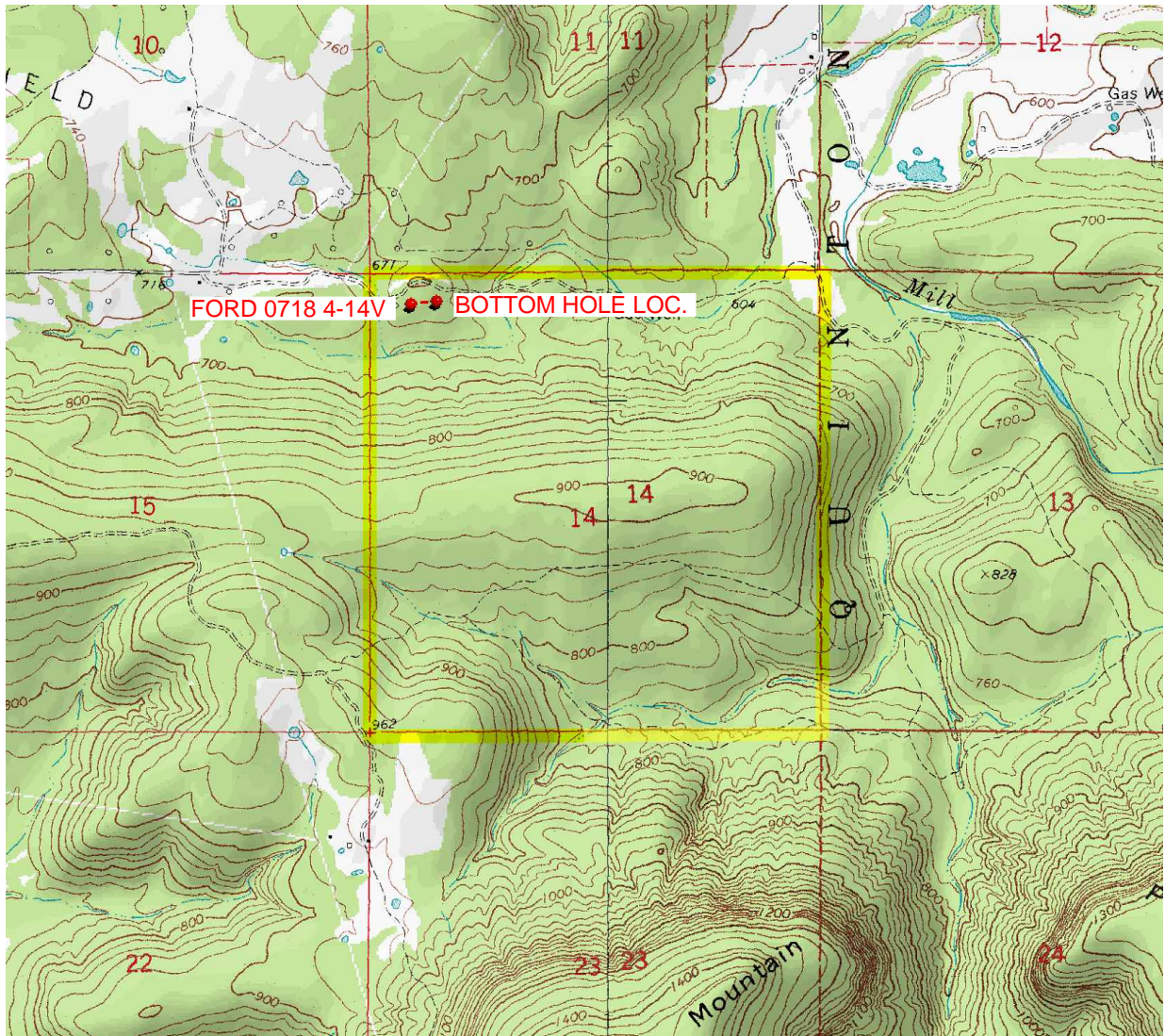
Topographic Vicinity Map

Operator: RED MOUNTAIN ENERGY, LLC
Lease Name and No.: FORD 0718 4-14V
Surface Hole Location: 355' FNL - 555' FWL
Bottom Hole Location: 330' FNL - 850' FWL
Section: 14 Township: 7N Range: 18E
County: Pittsburg State of Oklahoma



Ground Elevation at Surface Hole Location: 697'

Scale 1" = 2000'
Contour Interval: 20'



Provided 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

Date Staked: 10/27/16

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 #: 6689-B-E

Operator: RED MOUNTAIN ENERGY, LLC

Lease Name and No.: FORD 0718 4-14V

Accessibility: From the North.

Directions: From the junction of State HWY 2 & State HWY 31 in the town of Quinton, OK, go 0.7 miles South on State HWY 2, 1.75 miles West on "CR 1310", 1.3 miles South on "Adams Rd", then go 0.7 miles South on an unnamed lease road to the Northeast Quarter of Seciton 14-7N-18E on the West side of the road (location is in NW/4-14-7N-18E).

1 inch = 0.5 mile

provided 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

