

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

API NUMBER: 017 25116

Approval Date: 11/17/2017

Expiration Date: 05/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 13N Rge: 9W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 454 1514

Lease Name: TINA MARIE

Well No: 1309 4H-4

Well will be 454 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 2816742521; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC  
4 WATERWAY SQ PL STE 100  
SPRING, TX 77380-2764

MARGARET THOMPSON REVOCABLE TRUST  
8523 N. CALUMET RD.  
CALUMET OK 73014

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

| Name       | Depth | Name | Depth |
|------------|-------|------|-------|
| 1 WOODFORD | 11683 | 6    |       |
| 2          |       | 7    |       |
| 3          |       | 8    |       |
| 4          |       | 9    |       |
| 5          |       | 10   |       |

Spacing Orders: 437237

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706263  
201706254  
201706259

Special Orders:

Total Depth: 17072

Ground Elevation: 1386

**Surface Casing: 460**

Depth to base of Treatable Water-Bearing FM: 210

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741  
H. SEE MEMO

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.

#### PIT 2 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

#### PIT 3 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

#### HORIZONTAL HOLE 1

Sec 04 Twp 13N Rge 9W County CANADIAN

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2180

Depth of Deviation: 11258

Radius of Turn: 477

Direction: 175

Total Length: 5065

Measured Total Depth: 17072

True Vertical Depth: 11953

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

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.

017 25116 TINA MARIE 1309 4H-4

| Category               | Description  |
|------------------------|--|
| HYDRAULIC FRACTURING   | <p>11/13/2017 - 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://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.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> |
| MEMO                   | <p>11/13/2017 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM = STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), WBM, WBM &amp; OBM CUTTINGS CAPTURED IN STEEL HALF PITS &amp; TRANSFERRED TO BACKYARD ENERGY SERVICES (22-16N-9W, KINGFISHER CO.); PIT 3 - OBM TO VENDOR</p>   |
| PENDING CD - 201706254 | <p>11/14/2017 - G58 - 4-13N-9W<br/>X437237 WDFD<br/>6 WELLS<br/>NEWFIELD EXPLORATION MIDCONTINENT INC.<br/>REC 11/7/2017 (JOHNSON)</p>   |
| PENDING CD - 201706259 | <p>11/14/2017 - G58 - (I.O.) 4-13N-9W<br/>X437237 WDFD, OTHERS<br/>COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1980' FWL<br/>NO OP NAMED<br/>REC 10/17/2017 (MCKEOWN)</p>  |
| PENDING CD - 201706263 | <p>11/14/2017 - G58 - (I.O.) 4-13N-9W<br/>X165:10-3-28(C)(2)(B) WDFD (TINA MARIE 1309 4H-4)<br/>MAYBE CLOSER THAN 600' TO PROPOSED WELL<br/>NO OP NAMED<br/>REC 10/17/2017 (MCKEOWN)</p>   |
| SPACING - 437237       | <p>11/14/2017 - G58 - (640) 4-13N-9W<br/>EST WDFD, OTHERS</p>  |

BOB ANTHONY  
Commissioner

TODD HIETT  
Commissioner

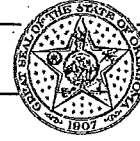
DANA MURPHY  
Commissioner

OKLAHOMA  
CORPORATION COMMISSION  
P.O. BOX 52000  
OKLAHOMA CITY, OKLAHOMA 73152-2000

255 Jim Thorpe Building  
Telephone: (405) 521-2500  
FAX: (405) 522-0757

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**OIL & GAS CONSERVATION DIVISION**



**POLLUTION ABATEMENT**  
Underground Injection Control

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July 27, 2017

Backyard Energy Services, LLC  
Conor O'Reilly  
1601 NW Expressway, Suite 1450  
Oklahoma City, Oklahoma 73118

*RE: Backyard Energy Services, LLC, Oil Based Drill Cuttings Treatment Process, Pilot Project, State of Oklahoma*

Dear Mr. O'Reilly,

The Pollution Abatement Department has reviewed the documentation and analyses furnished to us by Backyard Energy Services, LLC (Backyard) in support of a commercial non-deleterious facility (Facility), filed in Cause PD No. 201700132, requesting statewide authority.

It is our understanding that Backyard has an agreement with an operator in the area that is willing to furnish oil based drill cuttings (Drill Cuttings) for processing into a material that will be used for construction of the operator's drill sites. As a result of our review and technical meeting with Backyard representatives, you will have the ability to recycle/process the operator's Drill Cuttings for use for construction of drill sites, until October 27, 2017, or until a final Commission order issues.

Prior to using the processed material for construction, Backyard will provide the Pollution Abatement Department with the analyses of the processed material to be used, demonstrating it complies with the Target Limits set forth in the Amended Application in Cause PD No. 201700132. Backyard will also furnish the legal location and amount of processed material to be used for the construction of each drill site prior to commencement of construction. Once the construction has been completed, Backyard will prepare a post summary report. Records of the amount of incoming oil based drill cutting and the amount of outgoing processed material will be kept, as well as dates and the origin of the Drill Cuttings and the final destination. Such records be made available to Commission staff upon request.

This Facility will not be considered a commercial recycling facility for the purpose of this pilot project. If the project is to continue after the October 27<sup>th</sup> 2017 date, a reevaluation will be required by the Pollution Abatement Department in order to determine if additional authorization may be granted by the Commission.

If operations at the Facility are terminated prior to October 27<sup>th</sup>, the Pollution Abatement Department shall be notified immediately.

If there are any questions, please feel free to contact me at 405-521-2240.

Sincerely,

Tim Baker

Director,  
Oil and Gas Conservation Division

CC: Mike Moore

Gayland Darity  
Grant Ellis  
Brad Ice  
Terry Grooms  
Cheri Wheeler

NEWFIELD



**Newfield Exploration Company**

24 Waterway Avenue, Suite 900

The Woodlands, Texas 77380

PH 281-210-5100 | FAX 346-224-7026

July 27, 2017

Oklahoma Corporation Commission  
Tim Baker, Director of the Oil and Gas  
Conservation Division  
2101 N. Lincoln Blvd  
Oklahoma City, Oklahoma 73105

*RE: Cause PD. No. 201700132, Backyard Energy Services, LLC, Oil Based Drill  
Cutting Treatment Pilot Project, State of Oklahoma*

Dear Mr. Baker;

Please be advised that Newfield Exploration Mid-Con, Inc. (Newfield) understands and agrees it will be the sole operator under a Commission pilot project which will allow Backyard Energy Services, LLC to process Newfield's oil based drill cuttings using the process and requirements outlined in the amended application filed in Cause PD No. 201700132. The results of the processing will be a material that will be used in the construction of Newfield's drill sites.

Newfield further understands the initial pilot project will be for a period of ninety (90) days, or until such time as an order issues if the above referenced cause.

If there are further questions, please do not hesitate to contact Evelyn Smith at (281)674-2521.

Sincerely,

017-25116

**WELL LOCATION**

M & M Land Surveying, Inc.  
 Phone (580) 226-0446  
 520 E Street N.W.  
 Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**Lease Name: **TINA MARIE 1309 4H-4**

Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
 Elevation Good Location?

Original Location: 454'FNL - 1514'FWL 1386' GROUND YES

Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309 1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF TINA MARIE 1309 3H-4.

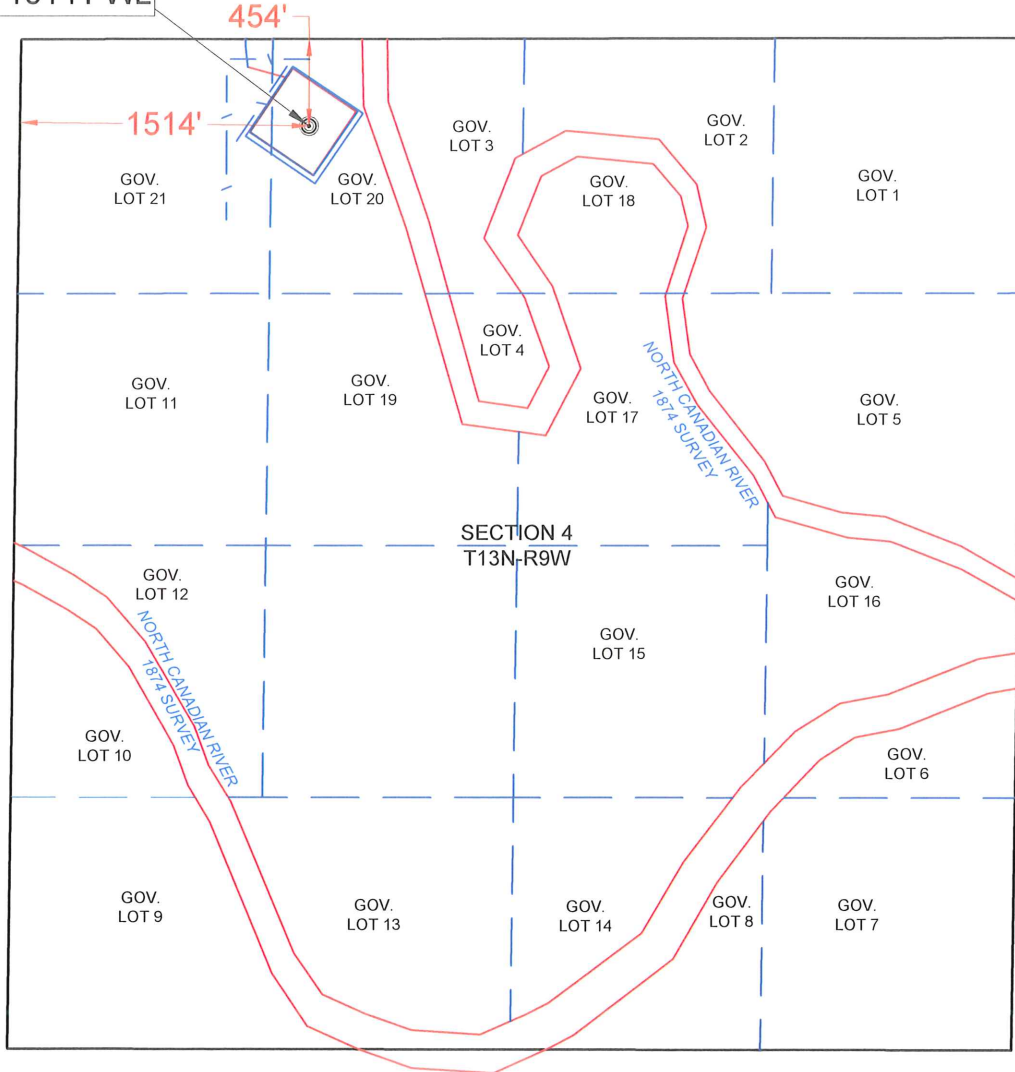
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

Best Accessibility to Location: From the North off of 164th Street Northwest.

Distance &amp; Direction From Nearest Town: 8.5 miles East of Geary.

From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road; Then go West 0.7 miles on 164th Street Northwest to lease road in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.

**SURFACE  
LOCATION**  
**454'FNL**  
**1514'FWL**



SCALE 1" = 1000'

**CERTIFICATE:**

I D. Harry McClintick a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.



*D. Harry McClintick*  
 D. Harry McClintick  
 PLS. No.1367 CFEDS

|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
| © COPYRIGHT 2016 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS    |                                    |
| PROJECT NUMBER: 17352  | SITE VISIT: (Explanation and Date) |
| SHEET: 1 OF 10   | STAKING DATE: 08/09/2017           |
|  | DRAWING DATE: 08/22/2017           |



# LOCATION AND ELEVATION VERIFICATION MAP

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **TINA MARIE 1309 4H-4**

Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
Elevation Good Location?

Original Location: 454'FNL - 1514'FWL 1386' GROUND YES

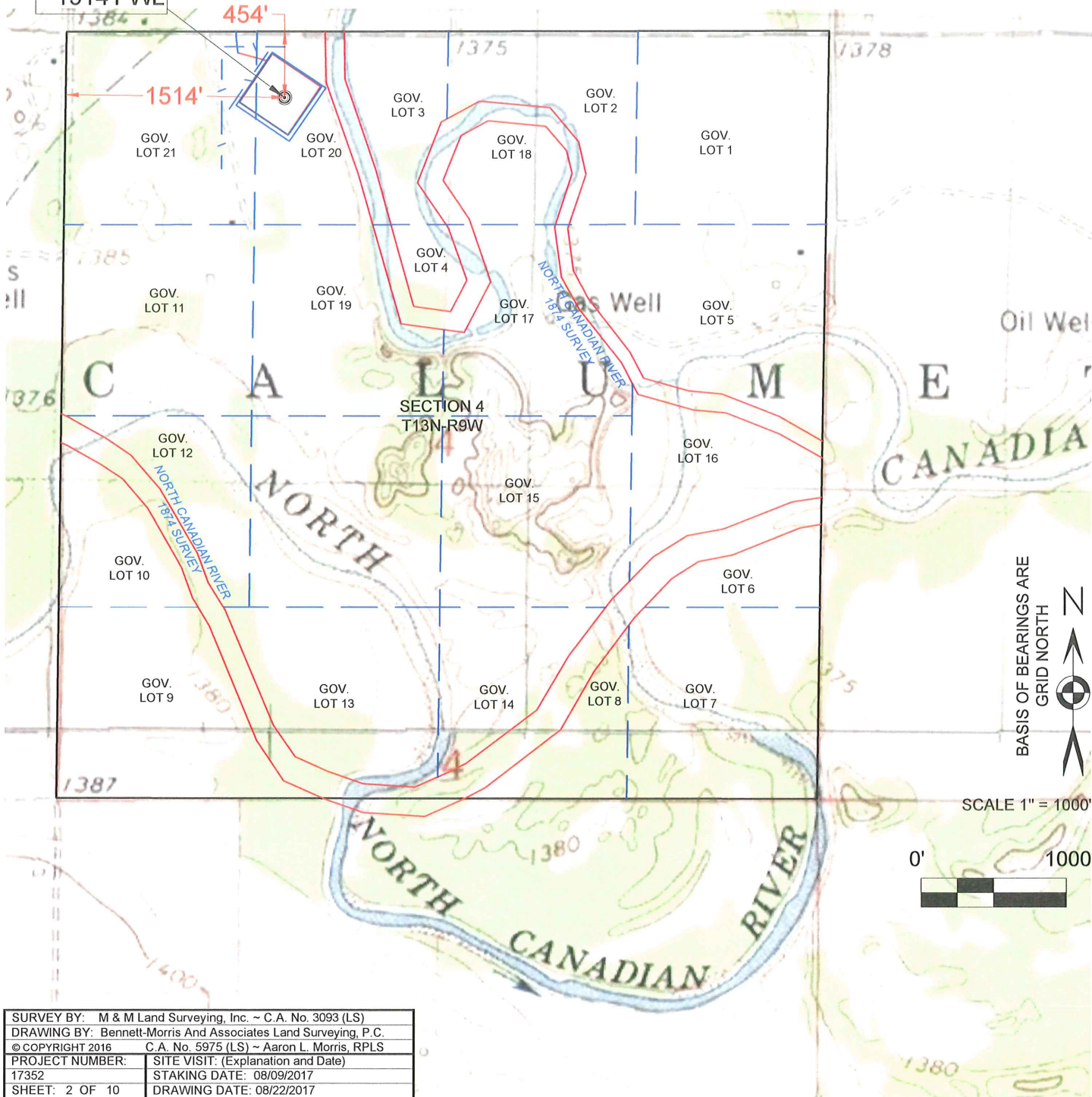
Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309  
1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF  
TINA MARIE 1309 3H-4.

Best Accessibility to Location: From the North off of 164th Street Northwest.

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From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road; Then go West 0.7 miles on 164th Street Northwest to lease road in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.

**SURFACE  
LOCATION**  
454'FNL  
1514'FWL





# FLOOD ELEVATION MAP

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
Fax (580) 226-7158  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **TINA MARIE 1309 4H-4**

Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
Elevation Good Location?

Original Location: 454'FNL - 1514'FWL 1386' GROUND YES

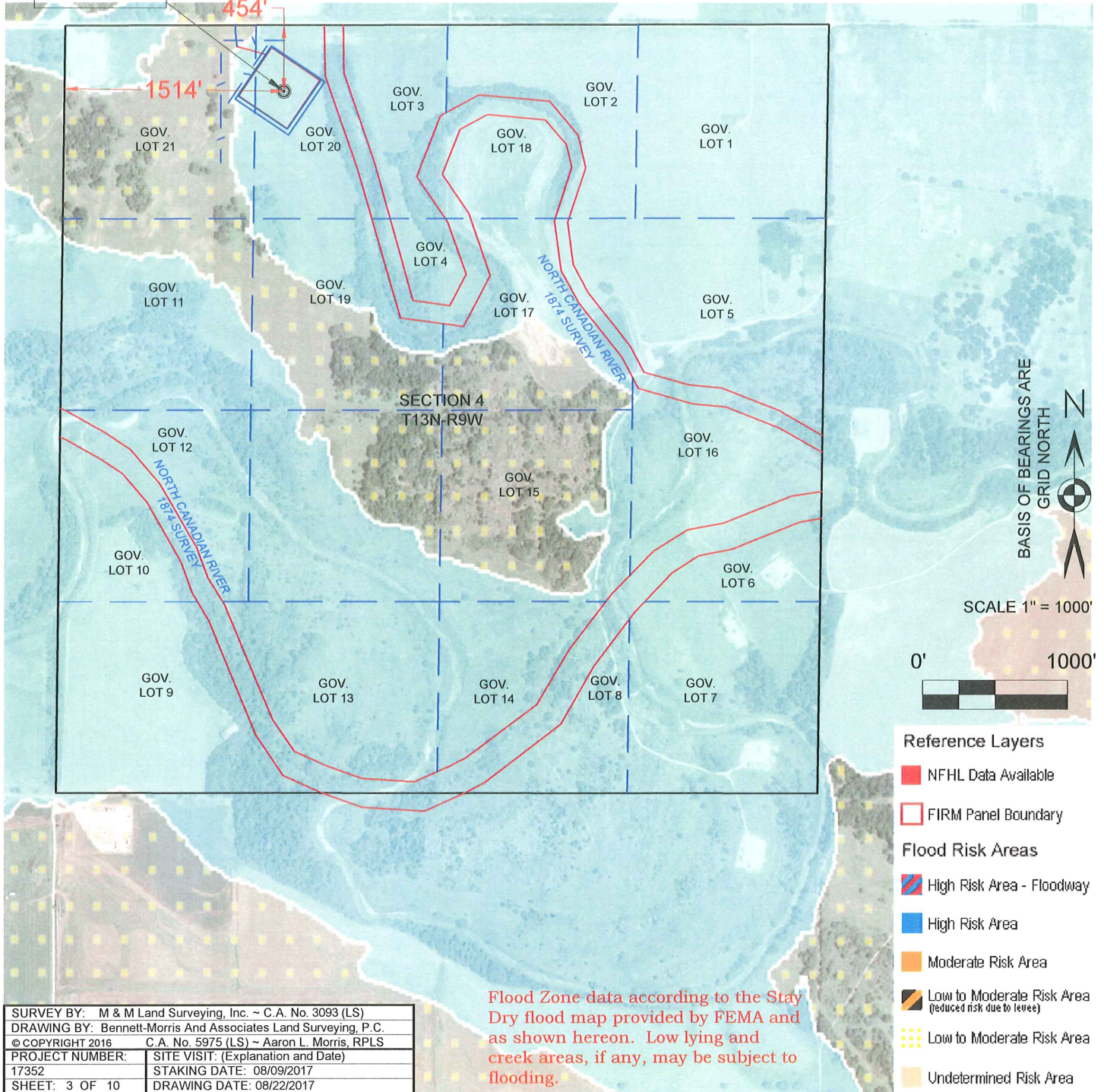
Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309 1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF TINA MARIE 1309 3H-4.

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**SURFACE  
LOCATION**  
454'FNL  
1514'FWL



|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
| © COPYRIGHT 2016 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS    |                                    |
| PROJECT NUMBER: 17352  | SITE VISIT: (Explanation and Date) |
| SHEET: 3 OF 10   | STAKING DATE: 08/09/2017           |
|  | DRAWING DATE: 08/22/2017           |

Flood Zone data according to the Stay Dry flood map provided by FEMA and as shown hereon. Low lying and creek areas, if any, may be subject to flooding.



# AERIAL PHOTO

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

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Lease Name: TINA MARIE 1309 4H-4

Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
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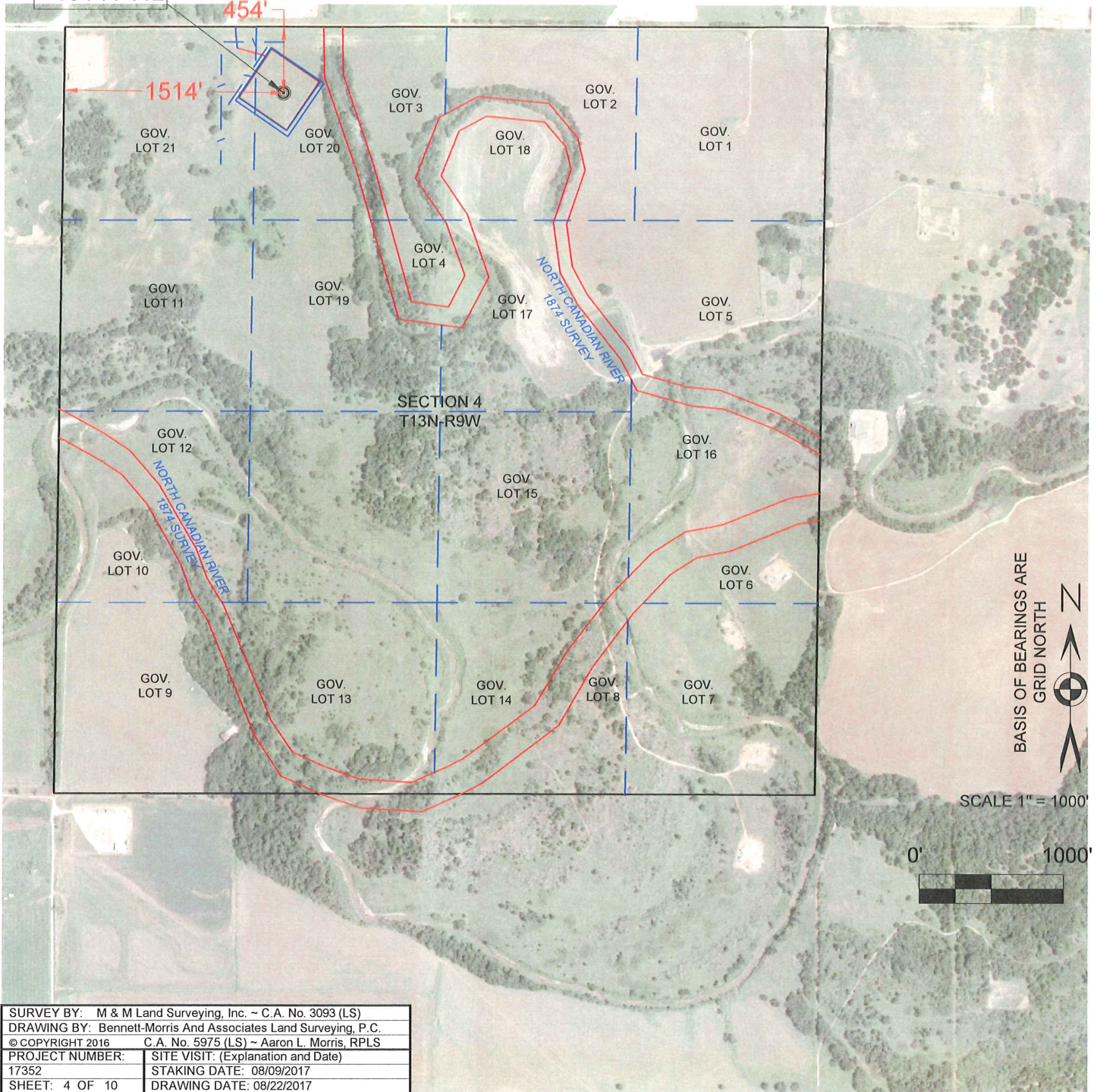
Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309  
1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF  
TINA MARIE 1309 3H-4.

Best Accessibility to Location: From the North off of 164th Street Northwest.

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From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road; Then go West 0.7 miles on 164th Street Northwest to lease road in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.

SURFACE  
LOCATION  
454'FNL  
1514'FWL





# LEASE ROAD PLAT

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **TINA MARIE 1309 4H-4**

Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
Elevation Good Location?

Original Location: 454'FNL - 1514'FWL 1386' GROUND YES

Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309 1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF TINA MARIE 1309 3H-4.

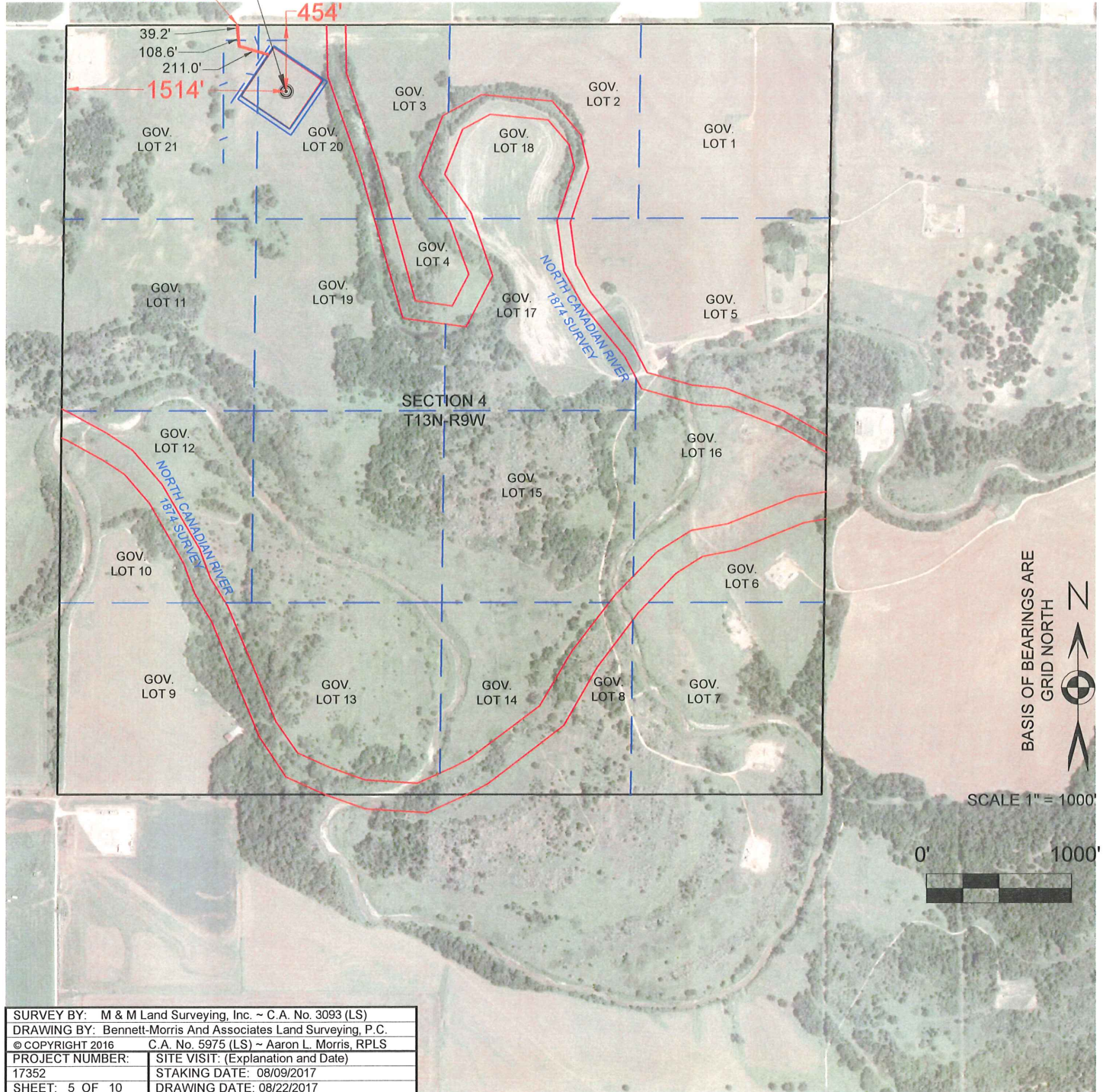
Best Accessibility to Location: From the North off of 164th Street Northwest.

Distance & Direction From Nearest Town: 8.5 miles East of Geary.

From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road; Then go West 0.7 miles on 164th Street Northwest to lease road in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.

**SURFACE  
LOCATION  
454'FNL  
1514'FWL**

**PROPOSED  
LEASE ROAD**





# PERMIT PLAT

M & M Land Surveying, Inc.

Phone (580) 226-0446

520 E Street N.W.

Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **TINA MARIE 1309 4H-4**

Section 4 Township 13 N Range 9 W , I.B.M., County of Canadian, State of Oklahoma

Elevation Good Location?

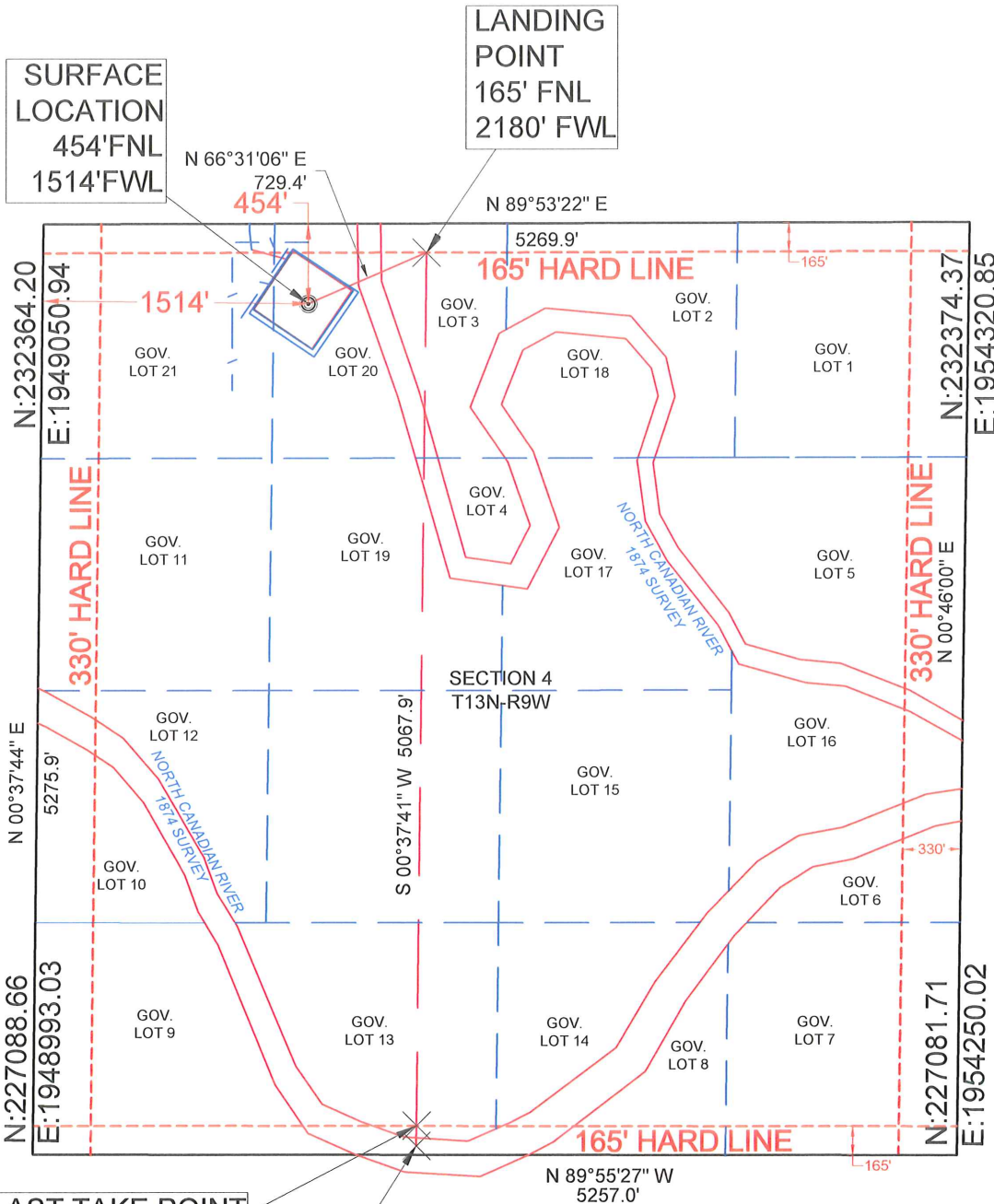
Original Location: 454'FNL - 1514'FWL 1386' GROUND YES

Distance & Direction From Nearest Town: 8.5 miles East of Geary.



SCALE 1" = 1000'

0' 1000'



## SURFACE LOCATION

DATUM: NAD27

LAT: 35° 38' 13.17"N

LONG: 98° 09' 58.94"W

LAT: 35.636992°N

LONG: 98.166372°W

STATE PLANE

COORDINATES: (US SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 231912.8

X (E): 1950560.15

DATUM: NAD83

LAT: 35° 38' 13.34"N

LONG: 98° 10' 00.15"W

LAT: 35.637040°N

LONG: 98.166707°W

STATE PLANE

COORDINATES: (US SURVEY FEET)

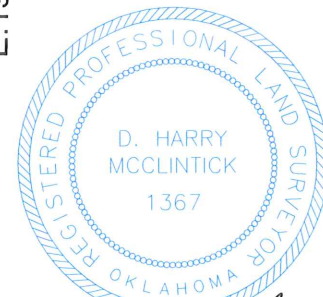
ZONE: NORTH ZONE

Y (N): 231936.62

X (E): 1918961.63

DATA DERIVED FROM G.P.S. WITH O.P.U.S. DATA.

This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.



*D. Harry McClintick*  
08/24/17

D. Harry McClintick  
PLS. No. 1367 CFDS

## CERTIFICATE:

I D. Harry McClintick a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
| © COPYRIGHT 2016 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS    |                                    |
| PROJECT NUMBER: 17352  | SITE VISIT: (Explanation and Date) |
| SHEET: 6 OF 10   | STAKING DATE: 08/09/2017           |
|  | DRAWING DATE: 08/22/2017           |

LAST TAKE POINT  
165' FSL  
2180' FWL

BOTTOM HOLE  
50' FSL  
2180' FWL

COORDINATE REPORT

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.  
Lease Name: TINA MARIE 1309 4H-4

COORDINATES ARE AS SHOWN ARE  
DERIVED FROM OPUS SOLUTION.  
PROJECTION: OKLAHOMA NORTH  
ZONE, LAMBERT CONFORMAL  
HORIZONTAL: NAD27  
VERTICAL: NAVD88  
GEOID MODEL: GEOID 99  
UNITS: US SURVEY FEET

THE METRICAL DATA SHOWN  
HEREON IS FOR PERMITTING THE  
WELL LOCATION AND THE SECTION  
LOCATION MAY OR MAY NOT BE  
FIELD VERIFIED.

|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
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| PROJECT NUMBER: 17352  | SITE VISIT: (Explanation and Date) |
| SHEET: 7 OF 10   | STAKING DATE: 08/09/2017           |
| DRAWING DATE: 08/22/2017                                       |                                    |

| Descriptor                           | Northing (NAD83 US Survey Feet) | Easting (NAD83 US Survey Feet) | Latitude DMS (NAD83) | Longitude DMS (NAD83) | Latitude DD (NAD83) | Longitude DD (NAD83) | Northing Meters (NAD83 UTM) | Easting Meters (NAD83 UTM) | Latitude DMS (NAD27) | Longitude DMS (NAD27) | Latitude DD (NAD27) | Longitude DD (NAD27) | Northing Meters (NAD27 UTM) | Easting Meters (NAD27 UTM) |
|--------------------------------------|---------------------------------|--------------------------------|----------------------|-----------------------|---------------------|----------------------|-----------------------------|----------------------------|----------------------|-----------------------|---------------------|----------------------|-----------------------------|----------------------------|
| TINA MARIE 1309 1H-4                 | 231970.25                       | 1918911.89                     | 35° 38' 13.67"N      | 98° 10' 00.75"W       | 35.637132°N         | 98.166875°W          | 3944071.823                 | 575430.928                 | 231946.43            | 1950510.41            | 35° 38' 13.50"N     | 98° 09' 59.54"W      | 35.637084°N                 | 98.166539°W                |
| TINA MARIE 1309 1H-4 LANDING POINT   | 232223.76                       | 1917830.59                     | 35° 38' 16.16"N      | 98° 10' 13.85"W       | 35.637823°N         | 98.170515°W          | 3944095.706                 | 575100.682                 | 232199.94            | 1949429.13            | 35° 38' 15.99"N     | 98° 10' 12.65"W      | 35.637775°N                 | 98.170179°W                |
| TINA MARIE 1309 1H-4 LAST TAKE POINT | 227276.97                       | 1917776.31                     | 35° 37' 27.24"N      | 98° 10' 14.41"W       | 35.624233°N         | 98.170669°W          | 3942588.313                 | 575099.504                 | 227253.14            | 1949374.79            | 35° 37' 27.07"N     | 98° 10' 13.20"W      | 35.624185°N                 | 98.170333°W                |
| TINA MARIE 1309 1H-4 BOTTOM HOLE     | 227161.97                       | 1917775.04                     | 35° 37' 26.10"N      | 98° 10' 14.42"W       | 35.623917°N         | 98.170672°W          | 3942553.27                  | 575099.474                 | 227138.14            | 1949373.52            | 35° 37' 25.93"N     | 98° 10' 13.21"W      | 35.623869°N                 | 98.170337°W                |
| TINA MARIE 1309 2H-4                 | 231958.96                       | 1918928.4                      | 35° 38' 13.56"N      | 98° 10' 00.55"W       | 35.637101°N         | 98.166819°W          | 3944018.434                 | 575435.994                 | 231935.14            | 1950526.92            | 35° 38' 13.39"N     | 98° 09' 59.34"W      | 35.637053°N                 | 98.166484°W                |
| TINA MARIE 1309 2H-4 LANDING POINT   | 232224.92                       | 1918430.59                     | 35° 38' 16.18"N      | 98° 10' 06.59"W       | 35.637829°N         | 98.168496°W          | 3944097.923                 | 575283.491                 | 232201.1             | 1950029.12            | 35° 38' 16.01"N     | 98° 10' 05.38"W      | 35.637781°N                 | 98.168160°W                |
| TINA MARIE 1309 2H-4 LAST TAKE POINT | 227276.17                       | 1918376.31                     | 35° 37' 27.24"N      | 98° 10' 07.14"W       | 35.624234°N         | 98.168650°W          | 3942589.932                 | 575282.319                 | 227252.34            | 1949974.78            | 35° 37' 25.93"N     | 98° 10' 05.94"W      | 35.623870°N                 | 98.168314°W                |
| TINA MARIE 1309 2H-4 BOTTOM HOLE     | 227161.18                       | 1918375.04                     | 35° 38' 16.21"N      | 98° 09' 59.32"W       | 35.637835°N         | 98.166477°W          | 3942554.892                 | 575282.289                 | 227137.35            | 1950543.61            | 35° 38' 13.28"N     | 98° 09' 59.14"W      | 35.637022°N                 | 98.166427°W                |
| TINA MARIE 1309 3H-4                 | 231947.72                       | 1918945.09                     | 35° 38' 13.45"N      | 98° 10' 00.35"W       | 35.637070°N         | 98.166763°W          | 3944015.061                 | 575441.114                 | 231923.9             | 1950543.61            | 35° 38' 13.28"N     | 98° 09' 58.11"W      | 35.637787°N                 | 98.166141°W                |
| TINA MARIE 1309 3H-4 LANDING POINT   | 232226.08                       | 1919030.59                     | 35° 38' 16.21"N      | 98° 09' 59.87"W       | 35.624234°N         | 98.166631°W          | 3942591.554                 | 575465.13                  | 227251.55            | 1950574.76            | 35° 37' 27.07"N     | 98° 09' 58.66"W      | 35.624186°N                 | 98.166296°W                |
| TINA MARIE 1309 3H-4 LAST TAKE POINT | 227275.38                       | 1918976.3                      | 35° 37' 27.24"N      | 98° 09' 59.87"W       | 35.624234°N         | 98.166631°W          | 3942591.554                 | 575465.13                  | 227251.55            | 1950574.76            | 35° 37' 27.07"N     | 98° 09' 58.66"W      | 35.624186°N                 | 98.166296°W                |
| TINA MARIE 1309 3H-4 BOTTOM HOLE     | 227160.39                       | 1918975.04                     | 35° 37' 26.11"N      | 98° 09' 59.88"W       | 35.623919°N         | 98.166635°W          | 3942556.514                 | 575465.103                 | 227136.56            | 1950573.5             | 35° 37' 25.93"N     | 98° 09' 58.68"W      | 35.623870°N                 | 98.166299°W                |
| TINA MARIE 1309 4H-4                 | 231936.62                       | 1918961.63                     | 35° 38' 13.34"N      | 98° 10' 00.15"W       | 35.637040°N         | 98.166707°W          | 3944011.731                 | 575446.188                 | 231912.8             | 1950560.15            | 35° 38' 13.17"N     | 98° 09' 58.94"W      | 35.636992°N                 | 98.166372°W                |
| TINA MARIE 1309 4H-4 LANDING POINT   | 232227.24                       | 1919630.59                     | 35° 38' 16.23"N      | 98° 09' 52.05"W       | 35.637841°N         | 98.164458°W          | 3944102.356                 | 575649.11                  | 232203.42            | 1951229.1             | 35° 38' 16.06"N     | 98° 09' 50.84"W      | 35.637793°N                 | 98.164122°W                |
| TINA MARIE 1309 4H-4 LAST TAKE POINT | 227274.59                       | 1919576.3                      | 35° 37' 27.25"N      | 98° 09' 52.60"W       | 35.624235°N         | 98.164612°W          | 3942593.176                 | 575647.945                 | 227250.76            | 1951174.76            | 35° 37' 27.07"N     | 98° 09' 51.40"W      | 35.624187°N                 | 98.164277°W                |
| TINA MARIE 1309 4H-4 BOTTOM HOLE     | 227159.6                        | 1919575.04                     | 35° 37' 26.11"N      | 98° 09' 52.62"W       | 35.623919°N         | 98.164616°W          | 3942558.136                 | 575647.918                 | 227135.77            | 1951173.49            | 35° 37' 25.93"N     | 98° 09' 51.41"W      | 35.623871°N                 | 98.164281°W                |

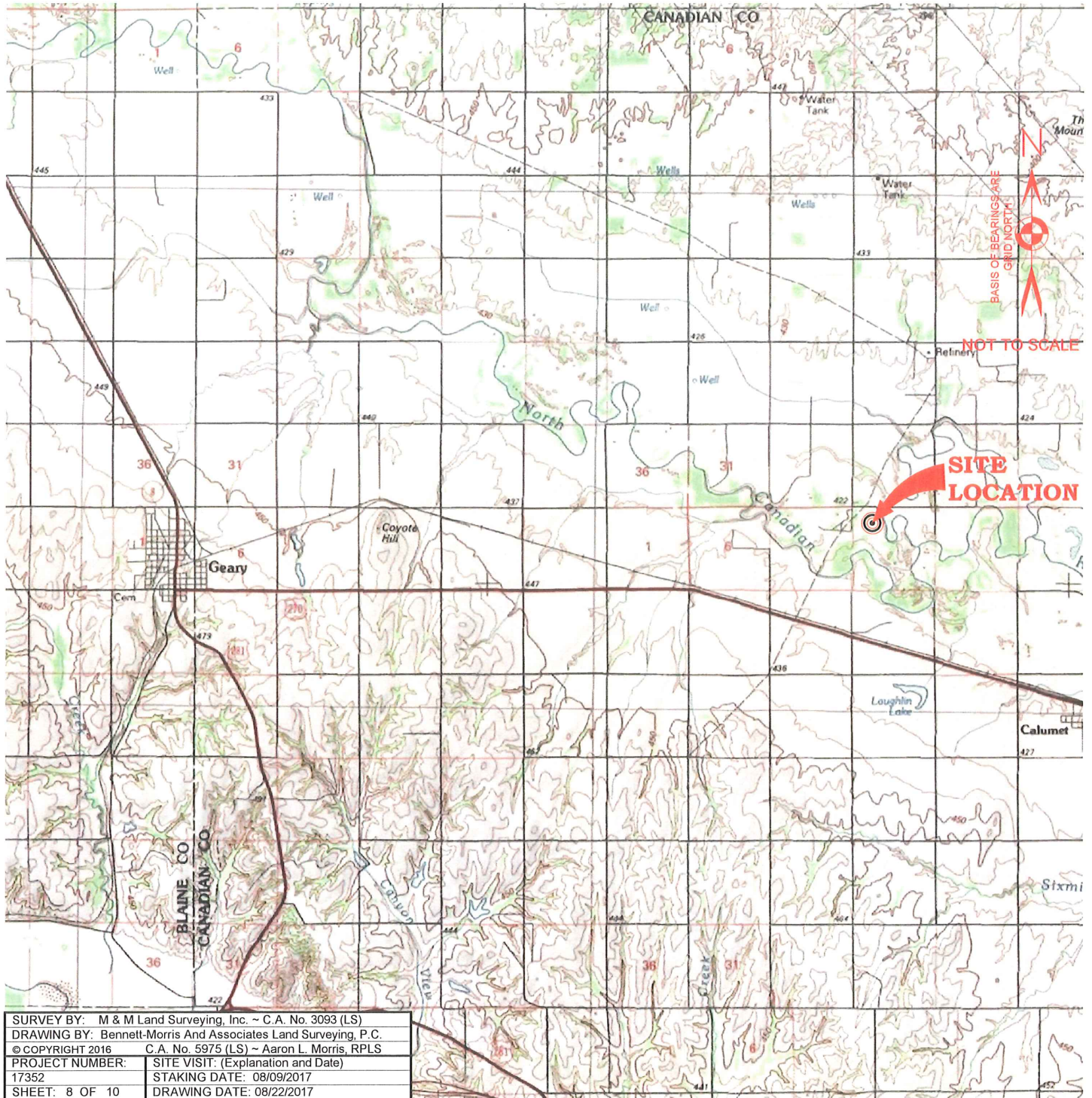


M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

WGS 84 LATITUDE AND LONGITUDE:  
LAT: 35.637040°N  
LONG: 98.166707°W

Topography: PASTURE - 272' SOUTHEAST OF PIPELINE - 60' SOUTH EAST OF TINA MARIE 1309  
1H-4 - 40' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' SOUTHEAST OF  
TINA MARIE 1309 3H-4.

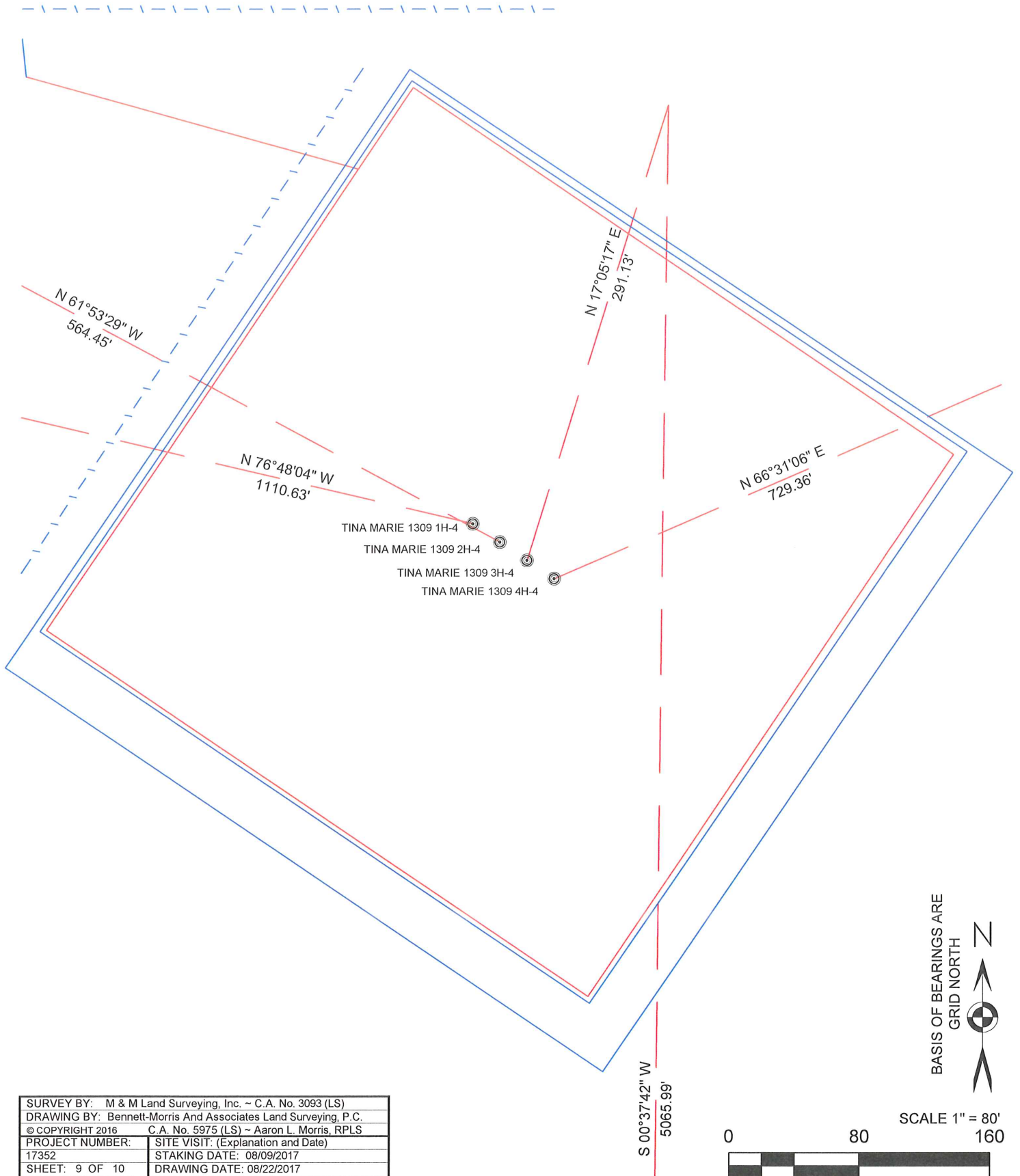
From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road; Then go West 0.7 miles on 164th Street Northwest to lease road in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.



# WELL PAD INTERFERENCE PLAT

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.  
Lease Name: TINA MARIE 1309 4H-4  
Section 4 Township 13 N Range 9 W , I.B.M, County of Canadian, State of Oklahoma

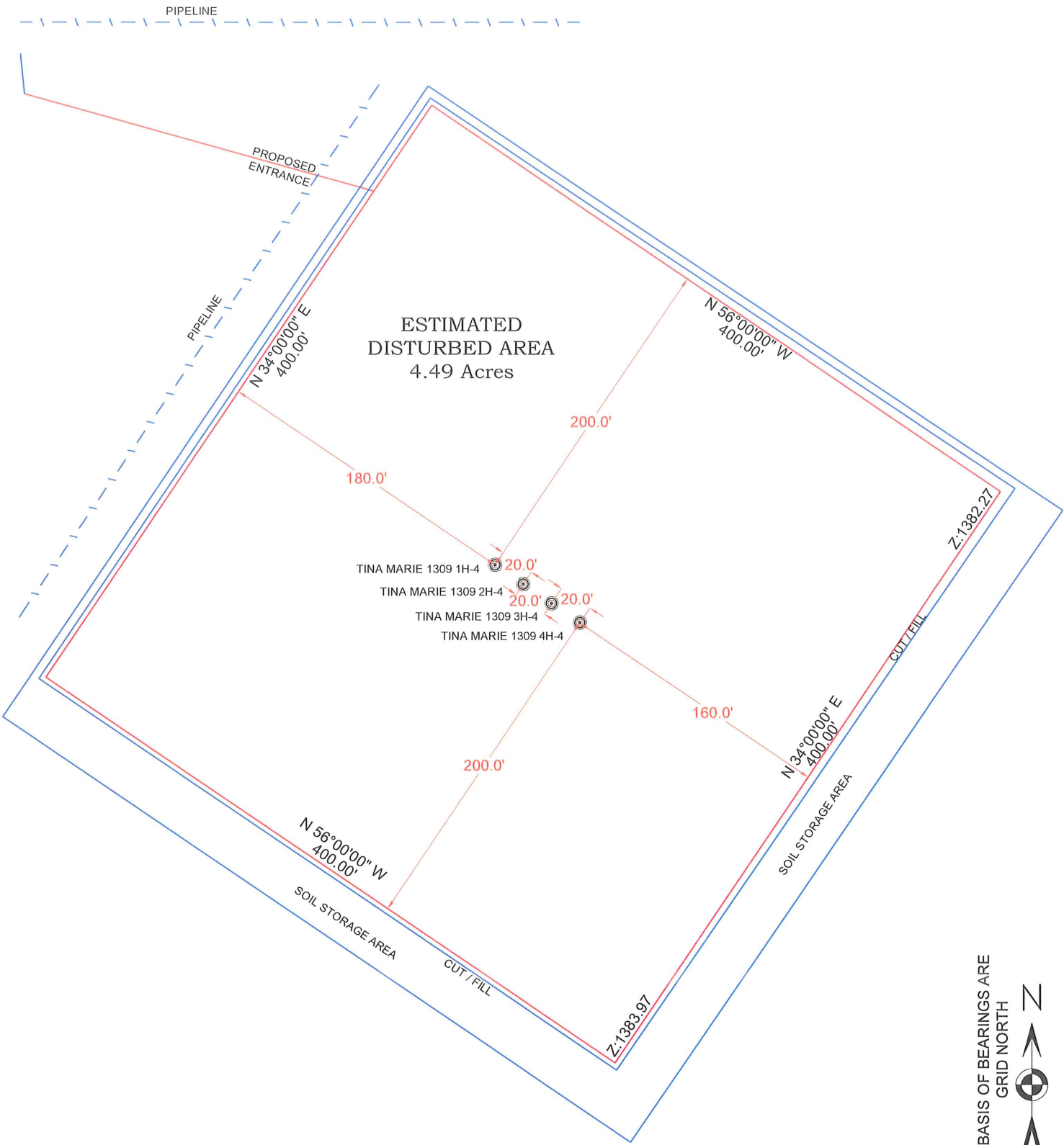




WELL PAD DISTURBANCE BOUNDARY

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.  
Lease Name: TINA MARIE 1309 4H-4  
Section 4 Township 13 N Range 9 W , I.B.M, County of Canadian, State of Oklahoma



|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
| © COPYRIGHT 2016 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS    |                                    |
| PROJECT NUMBER: 17352  | SITE VISIT: (Explanation and Date) |
| SHEET: 10 OF 10  | STAKING DATE: 08/09/2017           |
|  | DRAWING DATE: 08/22/2017           |

