

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

API NUMBER: 017 25115

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: 443 1497

Lease Name: TINA MARIE

Well No: 1309 3H-4

Well will be 443 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
201706257
201706254

Special Orders:

Total Depth: 17067

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 SW SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1580

Depth of Deviation: 11253

Radius of Turn: 477

Direction: 177

Total Length: 5065

Measured Total Depth: 17067

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 25115 TINA MARIE 1309 3H-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: OCCEWEB.COM/OG/OGFORMS.HTML; 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: FRACFOCUS.ORG</p>
MEMO	<p>11/13/2017 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), WBM, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & 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 X437237 WDFD 6 WELLS NO OP NAMED REC 11/7/2017 (JOHNSON)</p>
PENDING CD - 201706257	<p>11/14/2017 - G58 - (I.O.) 4-13N-9W X437237 WDFD COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1320' FWL NO OP NAMED REC 10/17/2017 (MCKEOWN)</p>
PENDING CD - 201706263	<p>11/14/2017 - G58 - (I.O.) 4-13N-9W X165:10-3-28(C)(2)(B) WDFD (TINA MARIE 1309 3H-4) MAYBE CLOSER THAN 600' TO PROPOSED WELL NEWFIELD EXPLORATION MIDCONTINENT INC. REC 10/17/2017 (MCKEOWN)</p>
SPACING - 437237	<p>11/14/2017 - G58 - (640) 4-13N-9W EST WDFD, OTHERS</p>

BOB ANTHONY
Commissioner

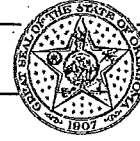
TODD HIETT
Commissioner

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

OIL & GAS CONSERVATION DIVISION



POLLUTION ABATEMENT
Underground Injection Control

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 27th 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 27th, 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,

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 3H-4

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

Original Location: 443'FNL - 1497'FWL 1386' GROUND YES

Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE
1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF
TINA MARIE 1309 4H-4.

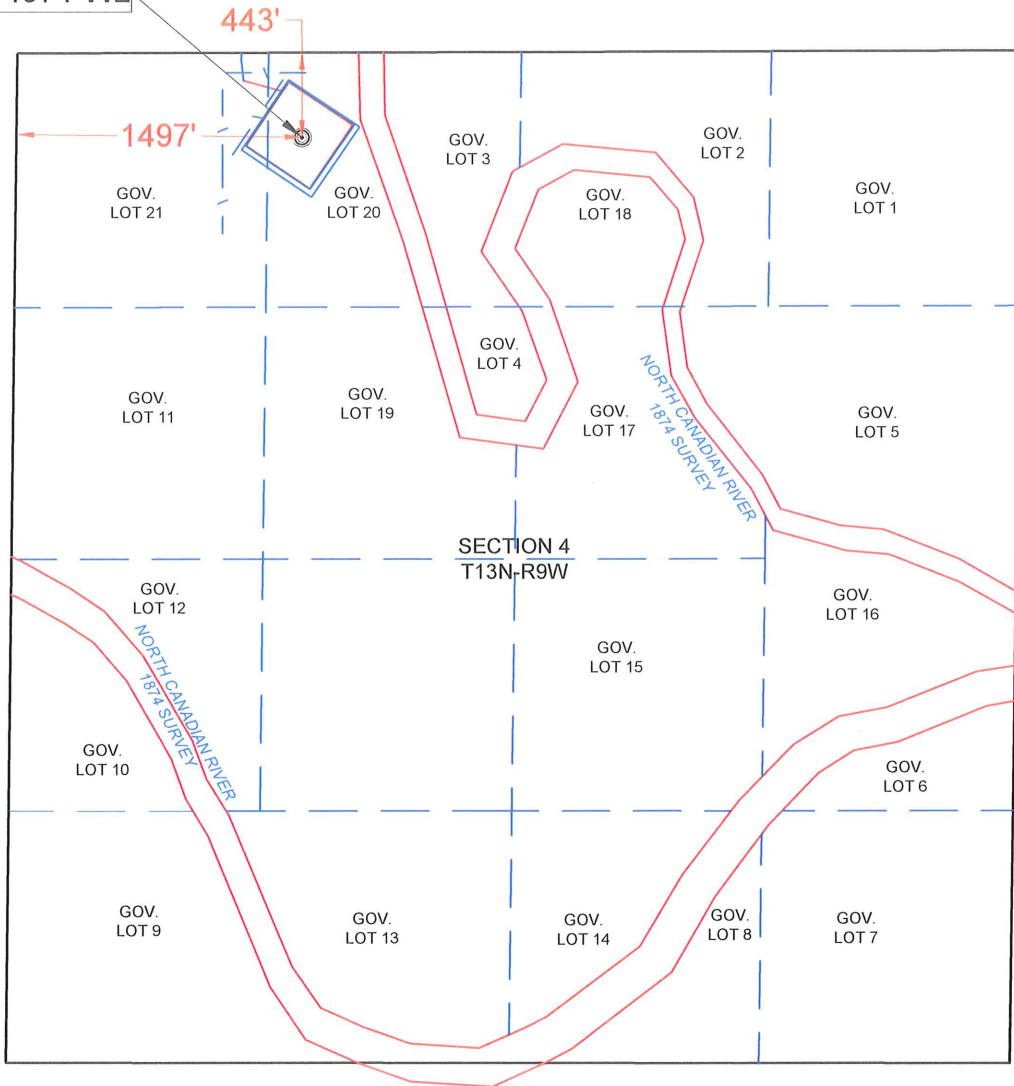
Best Accessibility to Location: From the North off of 164th Street Northwest.

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.

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.

**SURFACE
LOCATION**
443'FNL
1497'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: 17351	SITE VISIT: (Explanation and Date)
	STAKING DATE: 08/09/2017
SHEET: 1 OF 10	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 3H-4

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

Original Location: 443'FNL - 1497'FWL 1386' GROUND YES

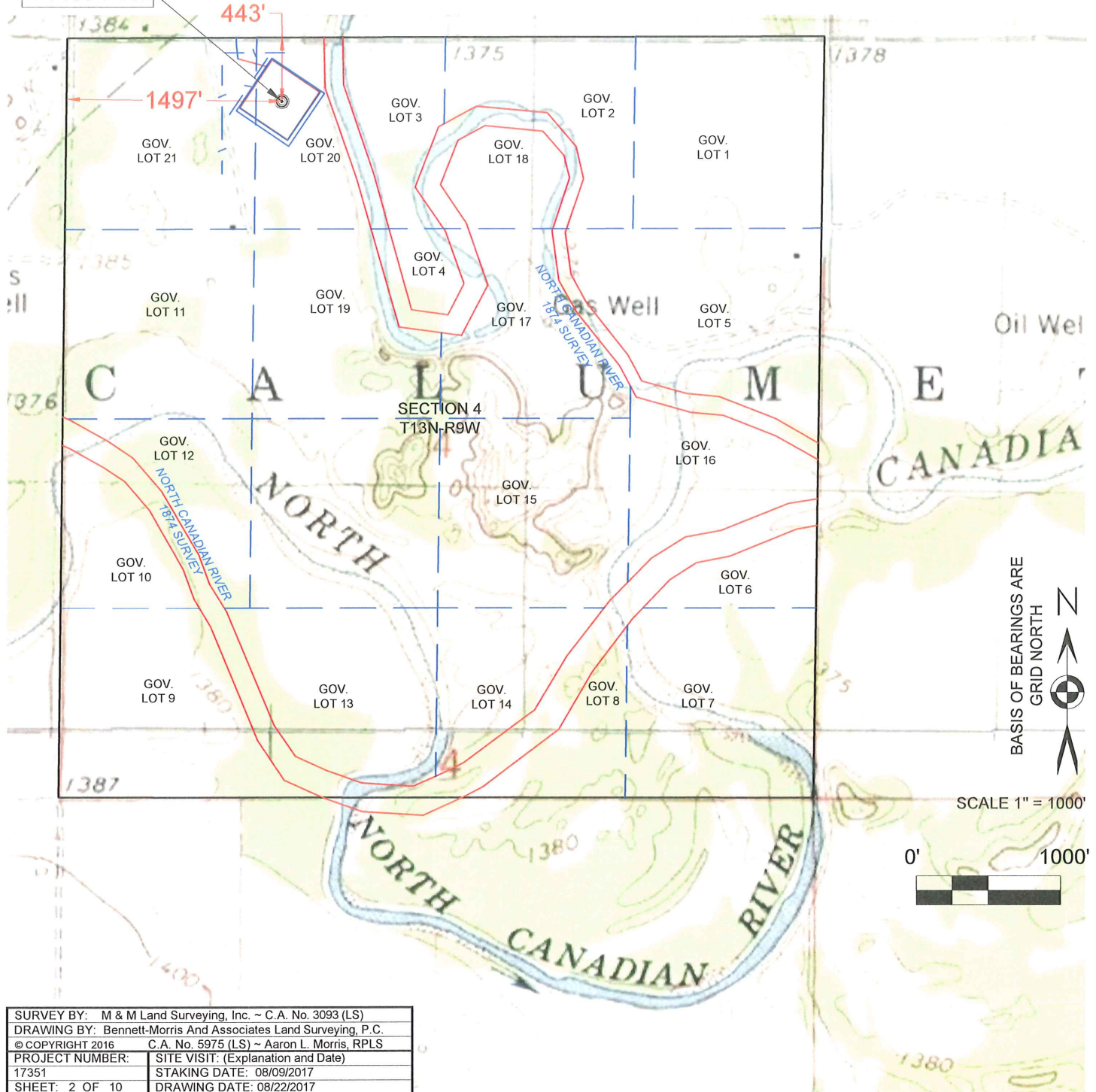
Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE
1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF
TINA MARIE 1309 4H-4.

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**
443'FNL
1497'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 3H-4**

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

Original Location: 443'FNL - 1497'FWL 1386' GROUND YES

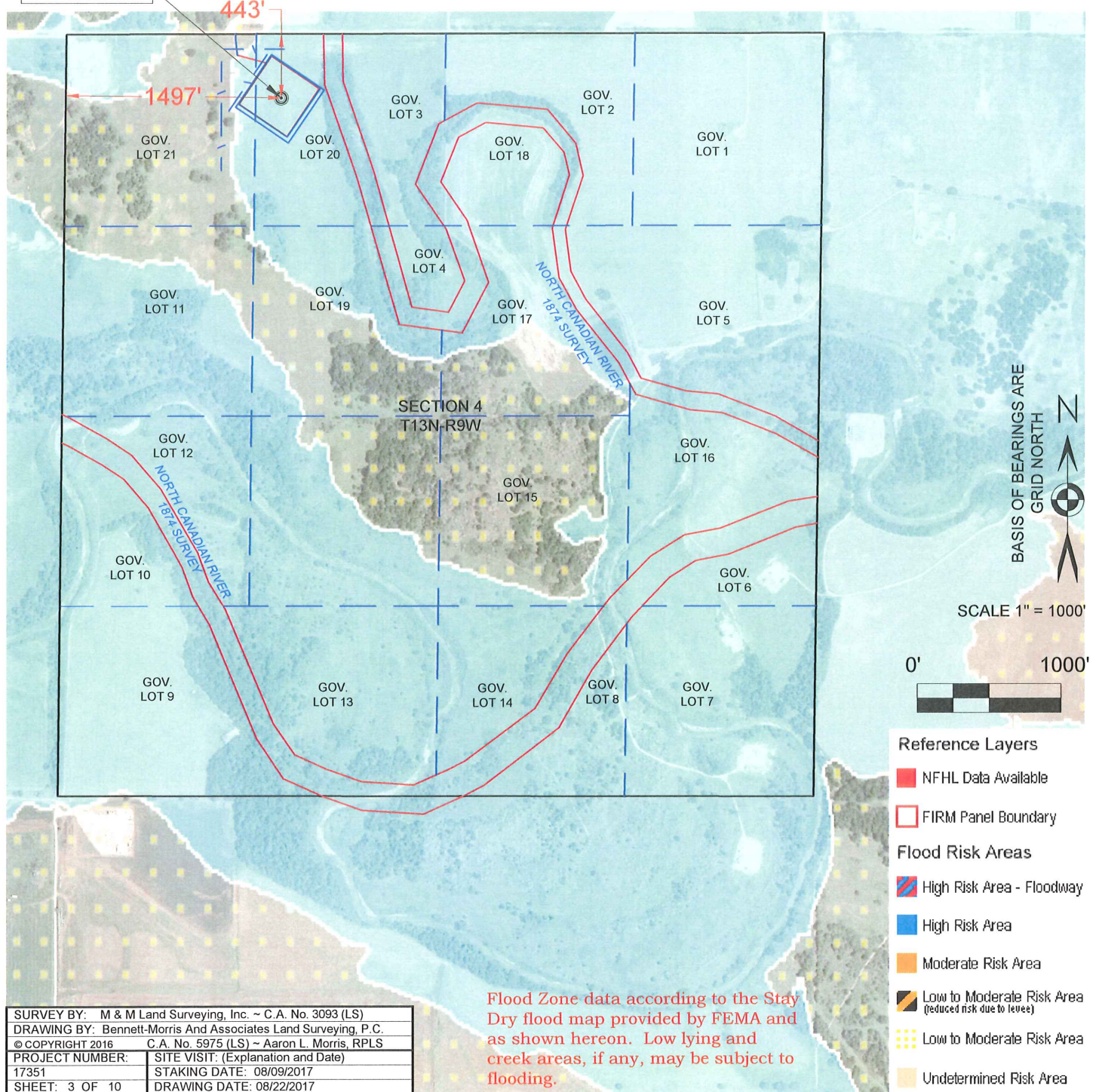
Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE
1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF
TINA MARIE 1309 4H-4.

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**
443'FNL
1497'FWL



AERIAL PHOTO

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 3H-4**

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

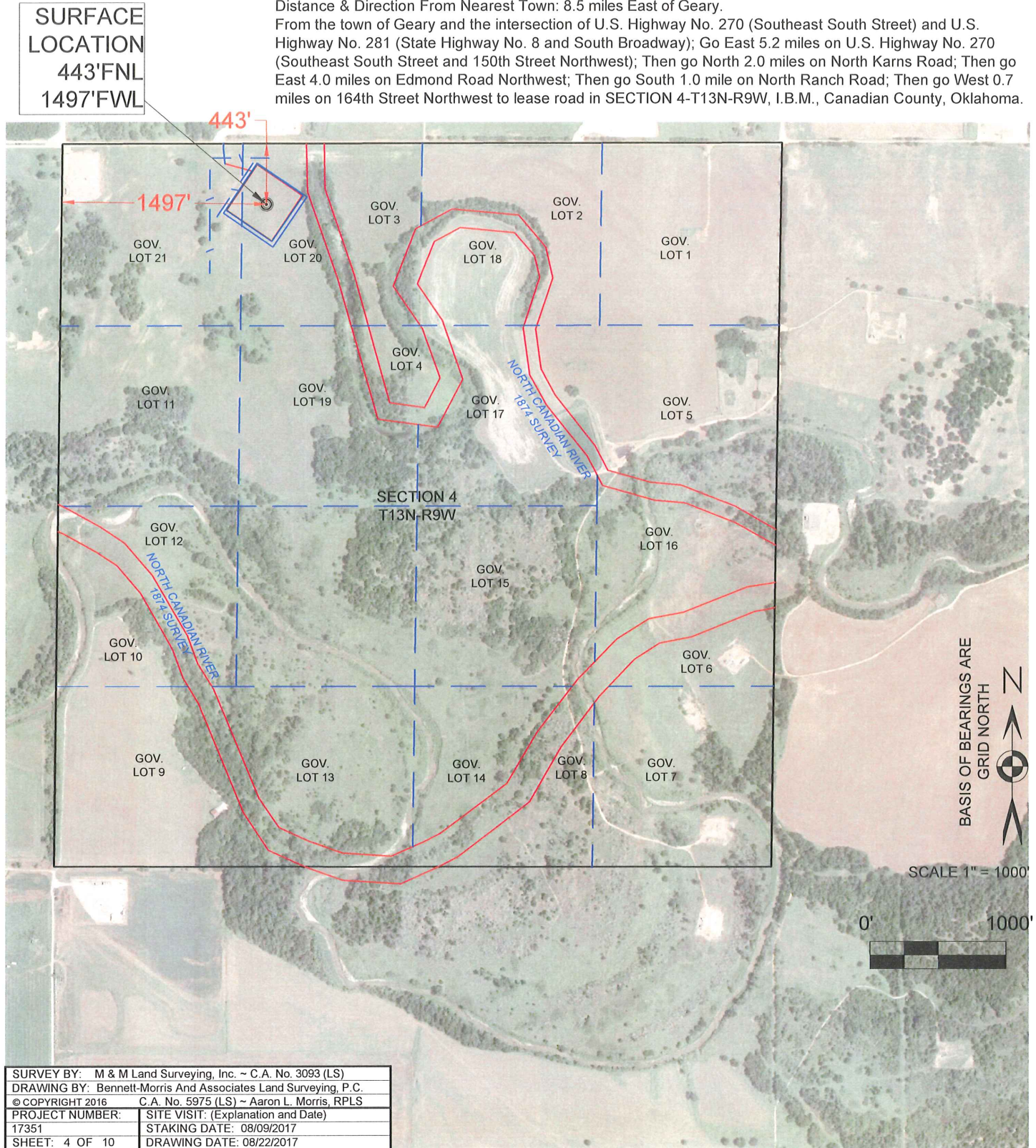
Original Location: 443'FNL - 1497'FWL 1386' GROUND YES

Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE
1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF
TINA MARIE 1309 4H-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.



LEASE ROAD PLAT Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

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 3H-4

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

Elevation Good Location?

Original Location:	443'FNL - 1497'FWL	1386'	GROUND	YES
--------------------	--------------------	-------	--------	-----

Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE 1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF TINA MARIE 1309 4H-4.

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

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

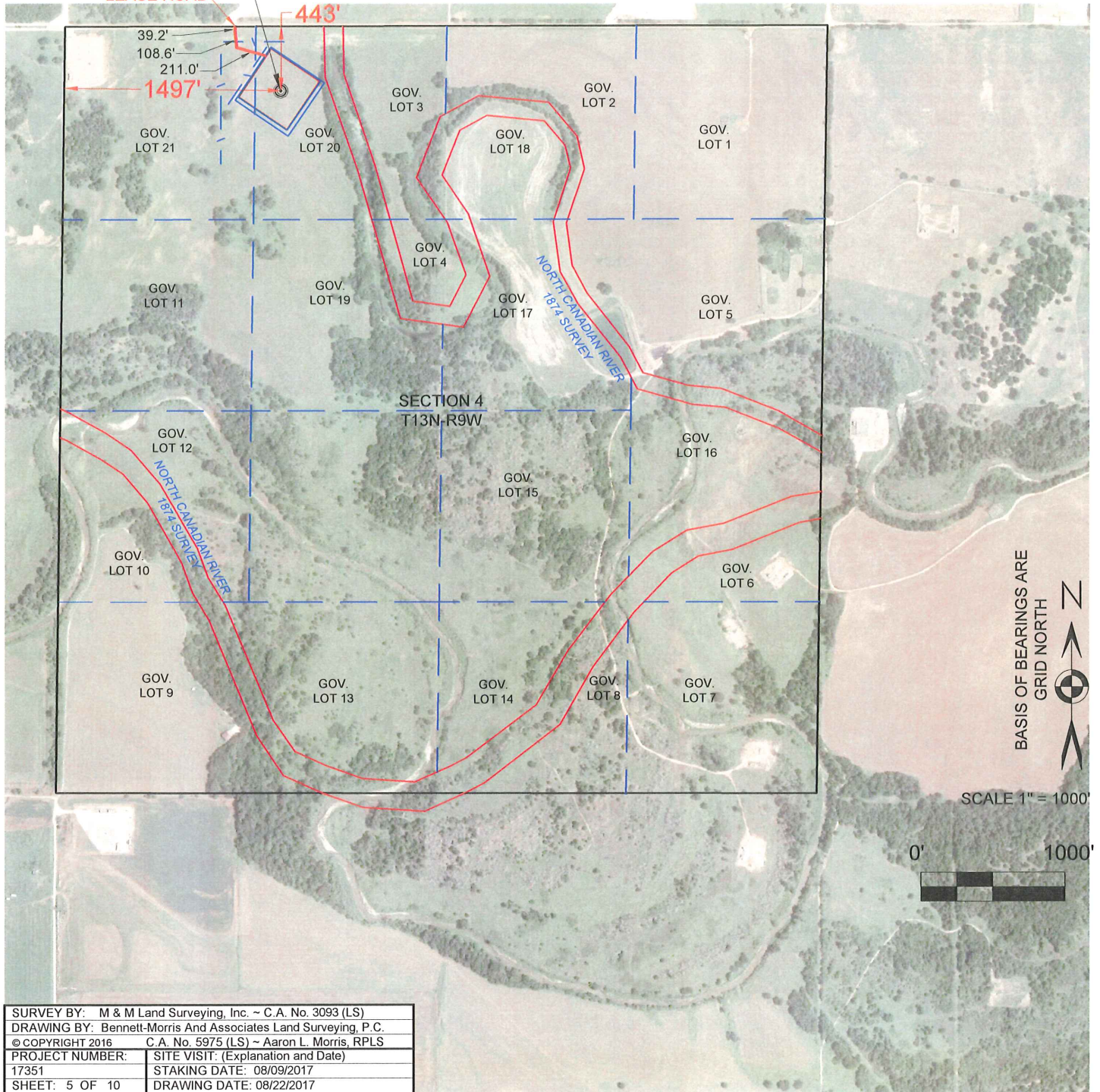
From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then 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

443'FNL

1497'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 3H-4**

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

Original Location: 443'FNL - 1497'FWL 1386' GROUND YES

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



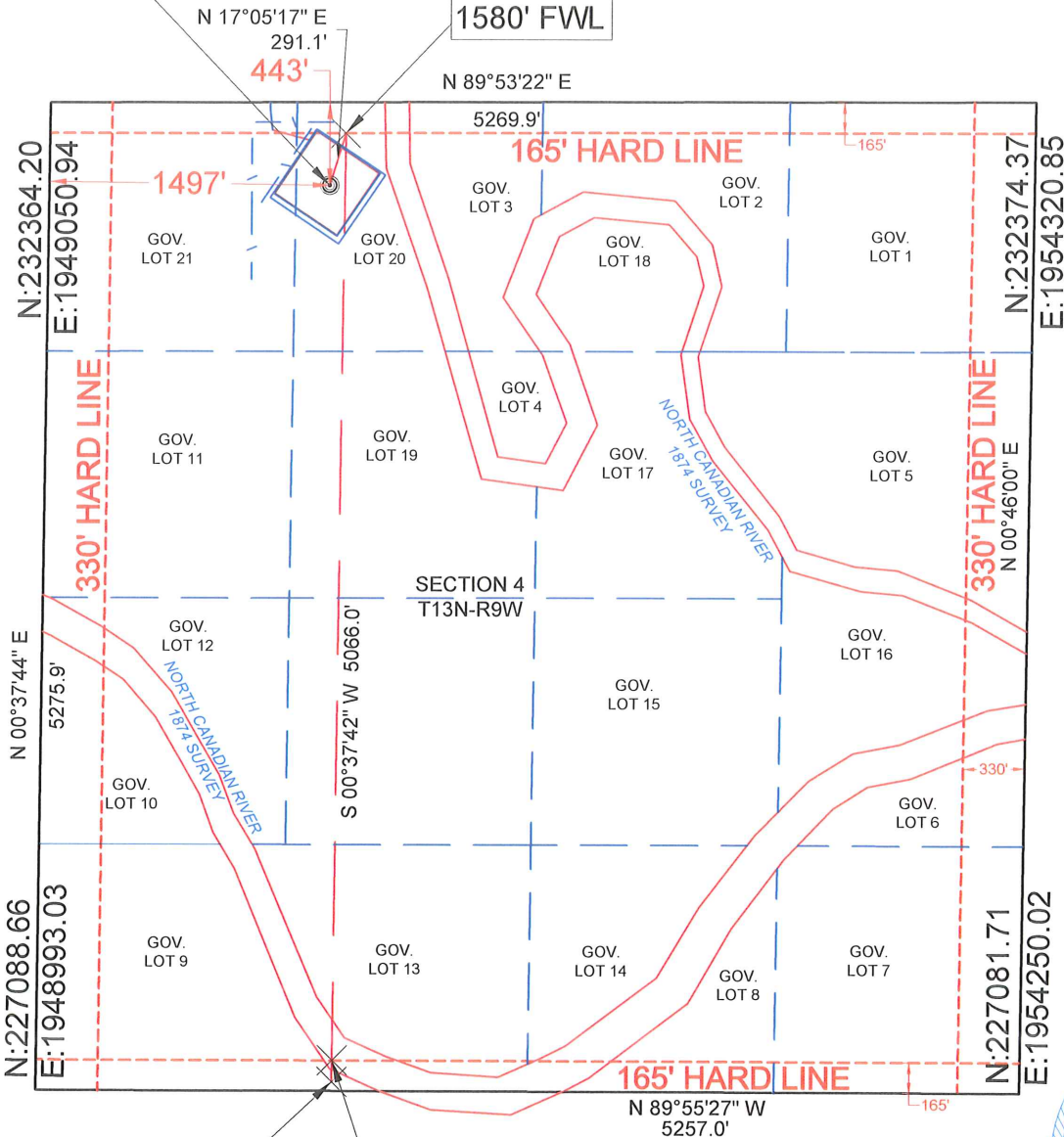
SCALE 1" = 1000'

0' 1000'



**SURFACE
LOCATION**
443'FNL
1497'FWL

**LANDING
POINT**
165' FNL
1580' FWL



SURFACE LOCATION
DATUM: NAD27
LAT: 35° 38' 13.28"N
LONG: 98° 09' 59.14"W
LAT: 35.637022°N
LONG: 98.166427°W
STATE PLANE
COORDINATES: (US SURVEY
FEET)
ZONE: NORTH ZONE
Y (N): 231923.9
X (E): 1950543.61

DATUM: NAD83
LAT: 35° 38' 13.45"N
LONG: 98° 10' 00.35"W
LAT: 35.637070°N
LONG: 98.166763°W
STATE PLANE
COORDINATES: (US SURVEY
FEET)
ZONE: NORTH ZONE
Y (N): 231947.72
X (E): 1918945.09

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

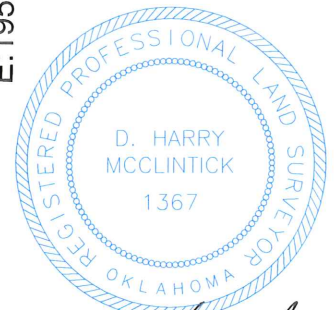
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

BOTTOM HOLE
50' FSL
1580' FWL

LAST TAKE POINT
165' FSL
1580' FWL

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 CFDS

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: 17351	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 08/09/2017
DRAWING DATE: 08/22/2017	

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 3H-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.	
© COPYRIGHT 2016 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
17351	STAKING DATE: 08/09/2017
SHEET: 7 OF 10	DRAWING DATE: 08/22/2017

Descriptor	North (NAD83 US Survey Feet)	East (NAD83 US Survey Feet)	Latitude DMS (NAD83)	Longitude DMS (NAD83)	Latitude DD (NAD83)	Longitude DD (NAD83)	North (NAD83 UTM)	East (NAD83 UTM)	North (NAD27 US Survey Feet)	East (NAD27 US Survey Feet)	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° 35' 13.67"N	98° 10' 00.75"W	35.637132°N	98.166875°W	3944021.823	575430.928	231946.43	1950510.41	35° 38' 13.50"N	98° 09' 59.54"W	35.637084°N	98.166539°W	3943817.319	575463.131
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	3943891.202	575132.889
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	3942383.806	575131.693
TINA MARIE 1309 1H-4 BOTTOM HOLE	227161.97	1917775.04	35° 37' 26.10"N	98° 10' 14.42"W	35.623917°N	98.170572°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	3942348.763	575131.662
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	3943813.93	575468.196
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	98.168314°W	3943893.419	575315.696
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	98.168550°W	3942589.932	575282.319	227252.34	1949974.78	35° 37' 27.07"N	98° 10' 05.93"W	35.624185°N	98.168314°W	3942385.425	575314.505
TINA MARIE 1309 2H-4 BOTTOM HOLE	227161.18	1918375.04	35° 37' 26.10"N	98° 10' 07.15"W	35.623918°N	98.168553°W	3942554.892	575282.289	227137.35	1949973.51	35° 37' 25.93"N	98° 10' 05.94"W	35.623870°N	98.168318°W	3942350.385	575314.475
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' 59.14"W	35.637022°N	98.166427°W	3943810.557	575473.316
TINA MARIE 1309 3H-4 LANDING POINT	232226.08	1919030.59	35° 38' 16.21"N	98° 09' 59.32"W	35.637835°N	98.166477°W	3944100.14	575466.3	232202.26	1950629.11	35° 38' 16.03"N	98° 09' 58.11"W	35.637787°N	98.166141°W	3943895.636	575498.503
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	3942387.047	575497.315
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	3942352.007	575497.288
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	3943807.226	575478.39
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	232203.72	1951229.1	35° 38' 16.06"N	98° 09' 50.84"W	35.637793°N	98.164122°W	3943897.852	575681.31
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	227250.46	1951174.76	35° 37' 27.07"N	98° 09' 51.40"W	35.624187°N	98.164277°W	3942388.669	575680.128
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	3942353.629	575680.1

VICINITY MAP

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

WGS 84 LATITUDE AND LONGITUDE:
LAT: 35.637070°N
LONG: 98.166763°W

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: TINA MARIE 1309 3H-4

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

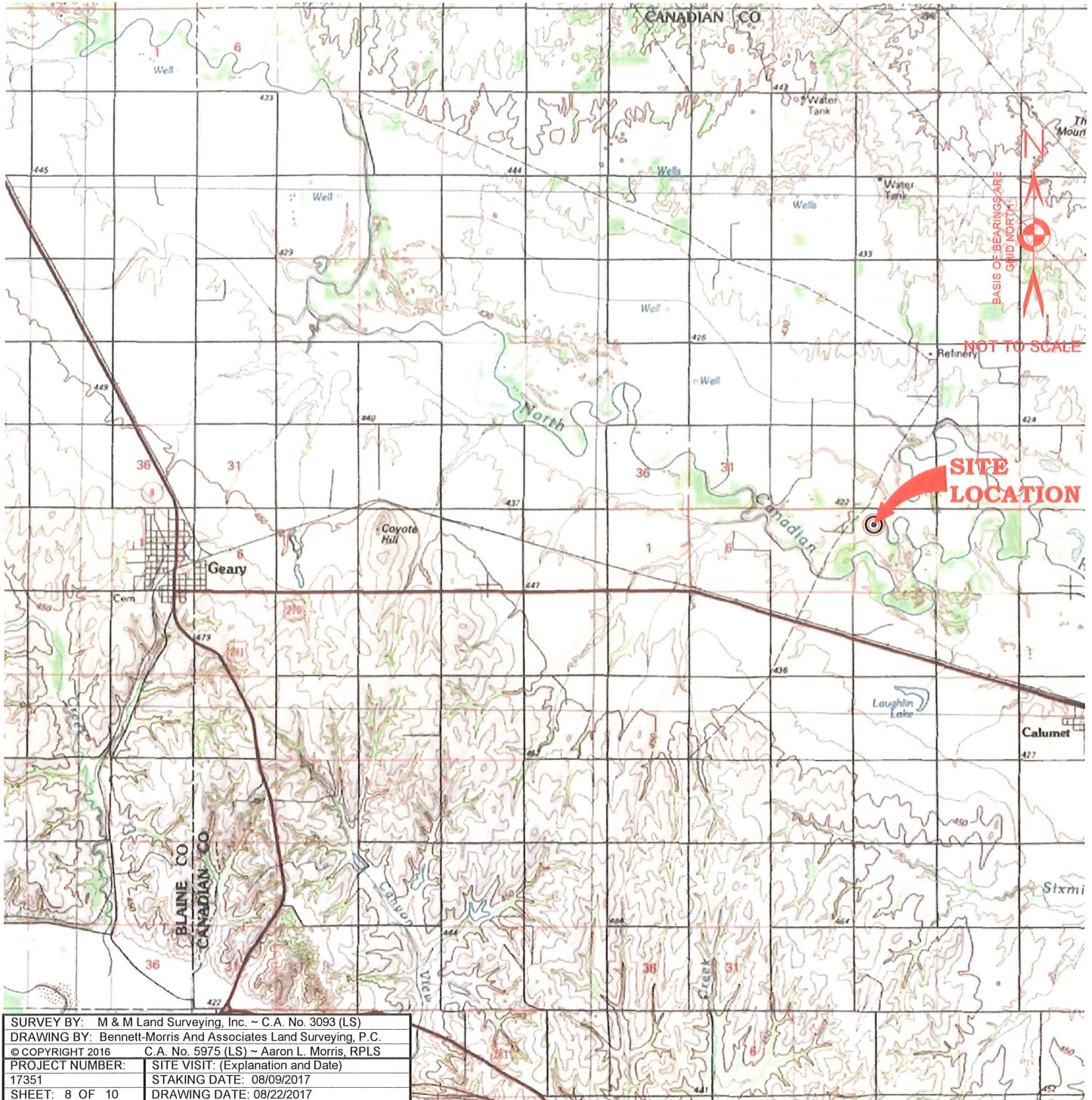
Original Location: 443°FNL - 1497°FWL Elevation 1386' GROUND Good Location? YES

Topography: PASTURE - 252' SOUTHEAST OF THE PIPELINE - 40' SOUTHEAST OF TINA MARIE
1309 1H-4 - 20' SOUTHEAST OF TINA MARIE 1309 2H-4 - 20' NORTHWEST OF
TINA MARIE 1309 4H-4.

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

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

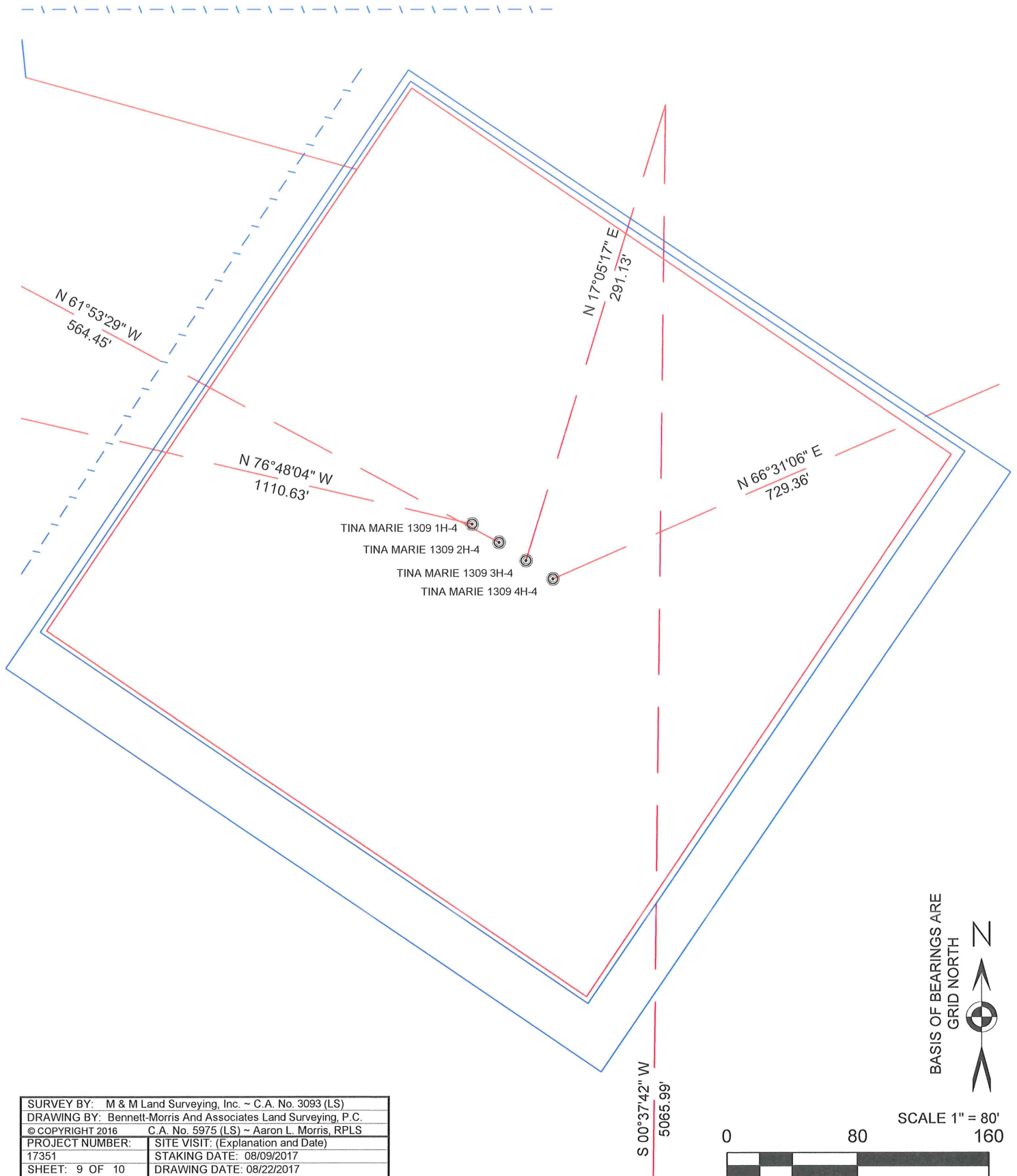
From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then 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.



WELL PAD INTERFERENCE PLAT

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

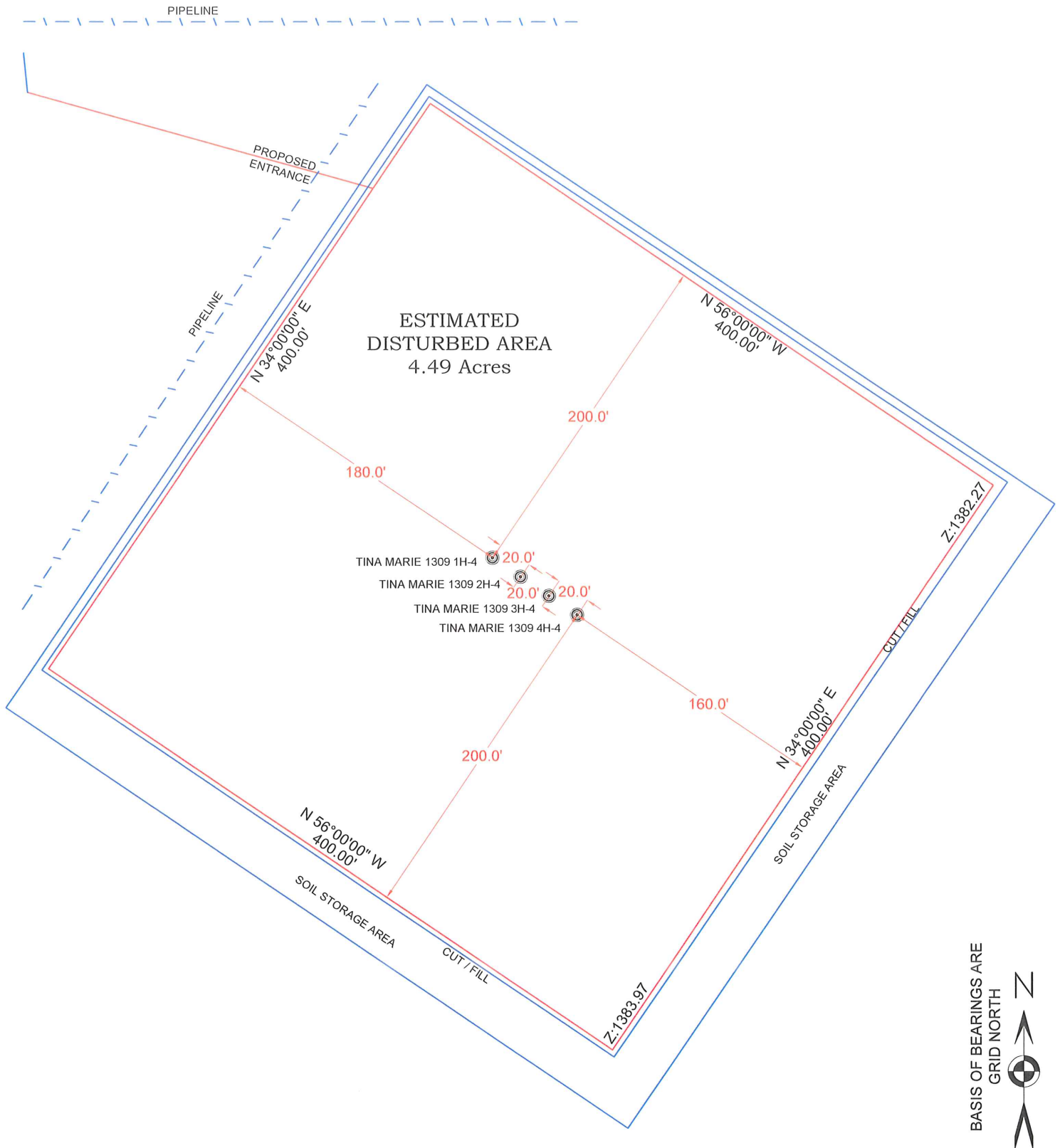
Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.
Lease Name: TINA MARIE 1309 3H-4
Section 4 Township 13 N Range 9 W , I.B.M, County of Canadian, State of Oklahoma



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 3H-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:	SITE VISIT: (Explanation and Date)
17351	STAKING DATE: 08/09/2017
SHEET: 10 OF 10	DRAWING DATE: 08/22/2017