

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

API NUMBER: 017 25121

Approval Date: 11/21/2017

Expiration Date: 05/21/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

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

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 220 1462

Lease Name: TINA MARIE

Well No: 1309 7H-4

Well will be 220 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

RANDAL D. HALEY  
PO BOX 716  
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 WOODFORD	11712	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 437237

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706263  
201706254  
201706262

Special Orders:

Total Depth: 17136

Ground Elevation: 1380

**Surface Casing: 440**

Depth to base of Treatable Water-Bearing FM: 190

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).

H. SEE MEMO

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

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: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1300

Depth of Deviation: 11440

Radius of Turn: 402

Direction: 5

Total Length: 5065

Measured Total Depth: 17136

True Vertical Depth: 11982

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 25121 TINA MARIE 1309 7H-4

Category	Description
HYDRAULIC FRACTURING	<p>11/8/2017 - 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>11/8/2017 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM = STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), 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 X437237 WDFD 6 WELLS NO OP NAMED REC 11/7/2017 (JOHNSON)</p>
PENDING CD - 201706262	<p>11/14/2017 - G58 - (I.O.) 4-13N-9W X 437237 WDFD, OTHERS COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 990' FEL 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 7H-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

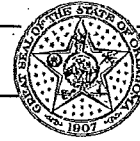
DANA MURPHY  
Commissioner

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

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

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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 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

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.

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: TINA MARIE 1309 7H-4

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

Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

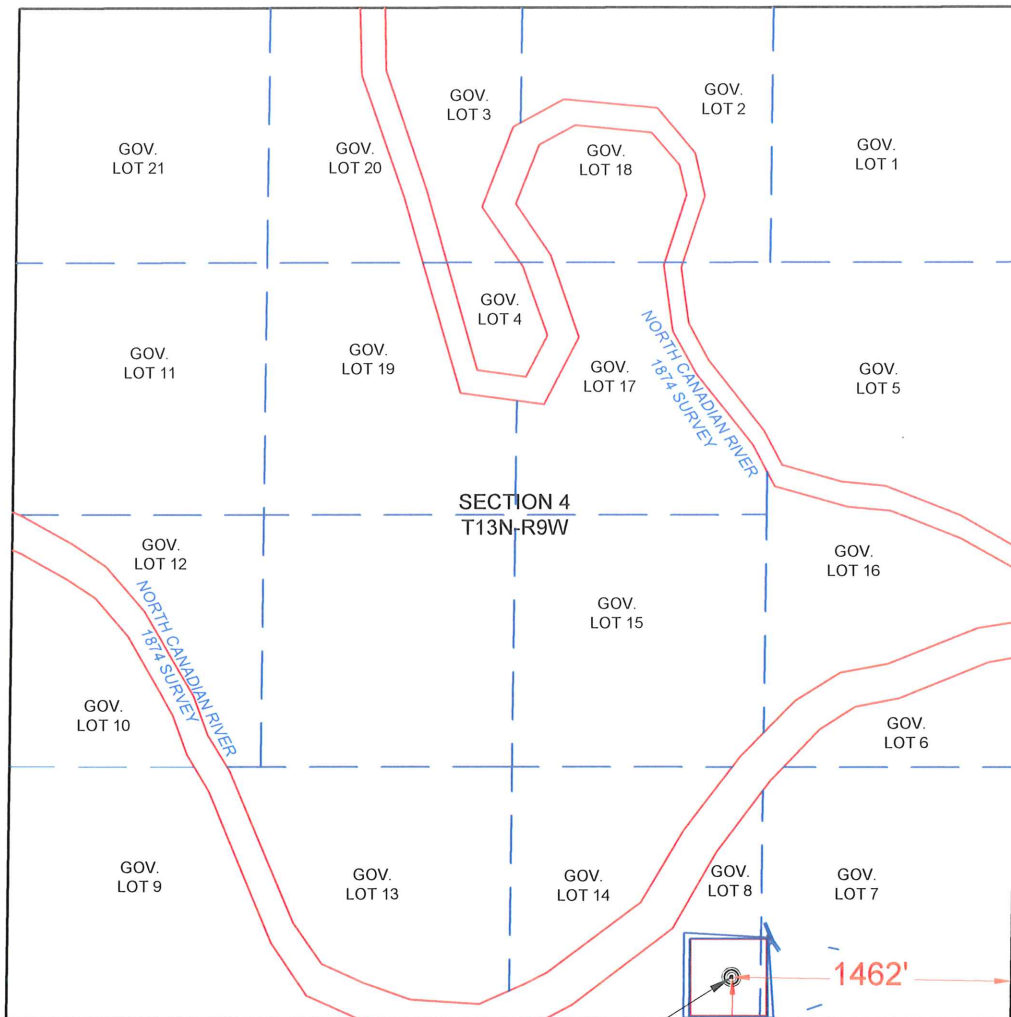
Topography: SAND-HILLS WITH SCATTERED BRUSH - 40' EAST OF TINA MARIE 1309 5H-4 - 20' EAST OF TINA MARIE 1309 6H-4.

Best Accessibility to Location: From the North off of North Ranch Road.

Distance & Direction From Nearest Town: 8.9 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 to lease road South at Northeast corner of Section 4; Then go Southerly on lease road 1.1 mile to location in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.

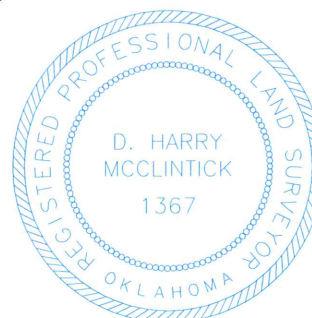
# 017 25121



SCALE 1" = 1000'



**SURFACE  
LOCATION  
220'FSL  
1462'FEL**



## 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.

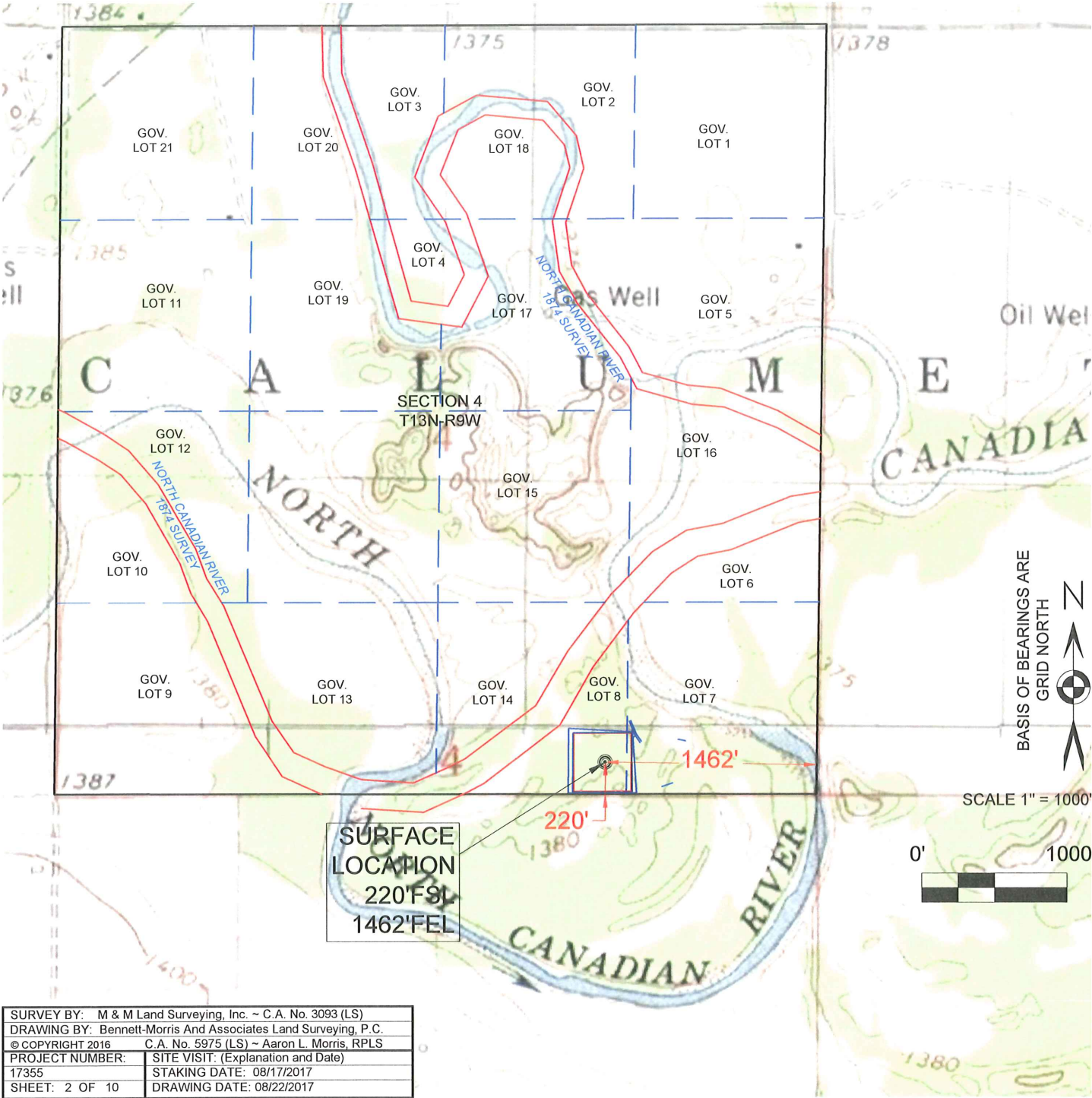
*D. Harry McClintick*  
D. Harry McClintick  
PLS. No. 1367 CFEDS

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: 17355	SITE VISIT: (Explanation and Date)
SHEET: 1 OF 10	STAKING DATE: 08/17/2017
	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 7H-4  
Section 4 Township 13 N Range 9 W, I.B.M., County of Canadian, State of Oklahoma  
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Best Accessibility to Location: From the North off of North Ranch Road.  
Distance & Direction From Nearest Town: 8.9 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 to lease road South at Northeast corner of Section 4; Then go Southerly on lease road 1.1 mile to location in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.





# 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 7H-4

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

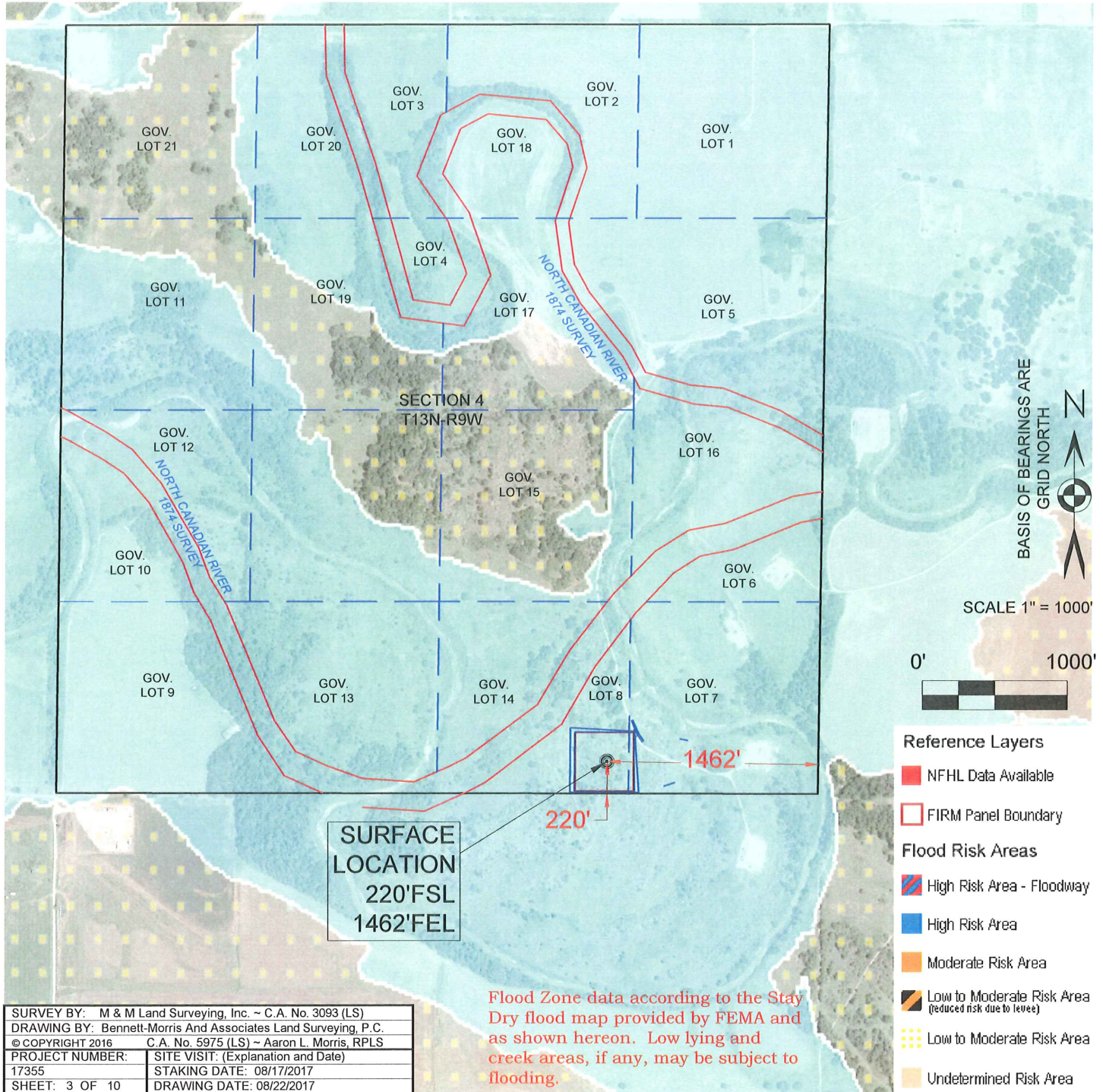
Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

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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: 17355	SITE VISIT: (Explanation and Date)
SHEET: 3 OF 10	STAKING DATE: 08/17/2017
	DRAWING DATE: 08/22/2017



# 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 7H-4**

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

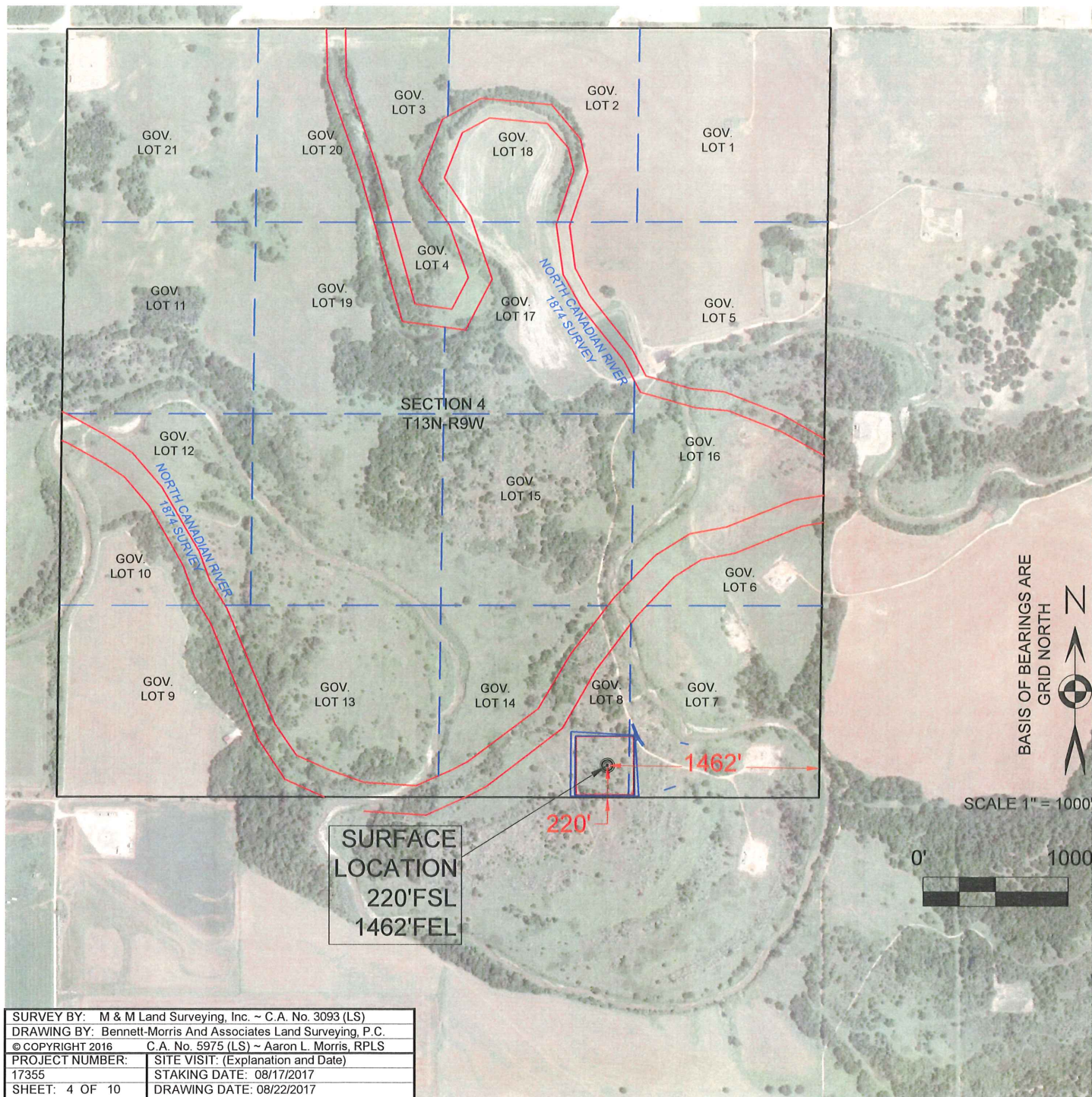
Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

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# 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 7H-4**

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

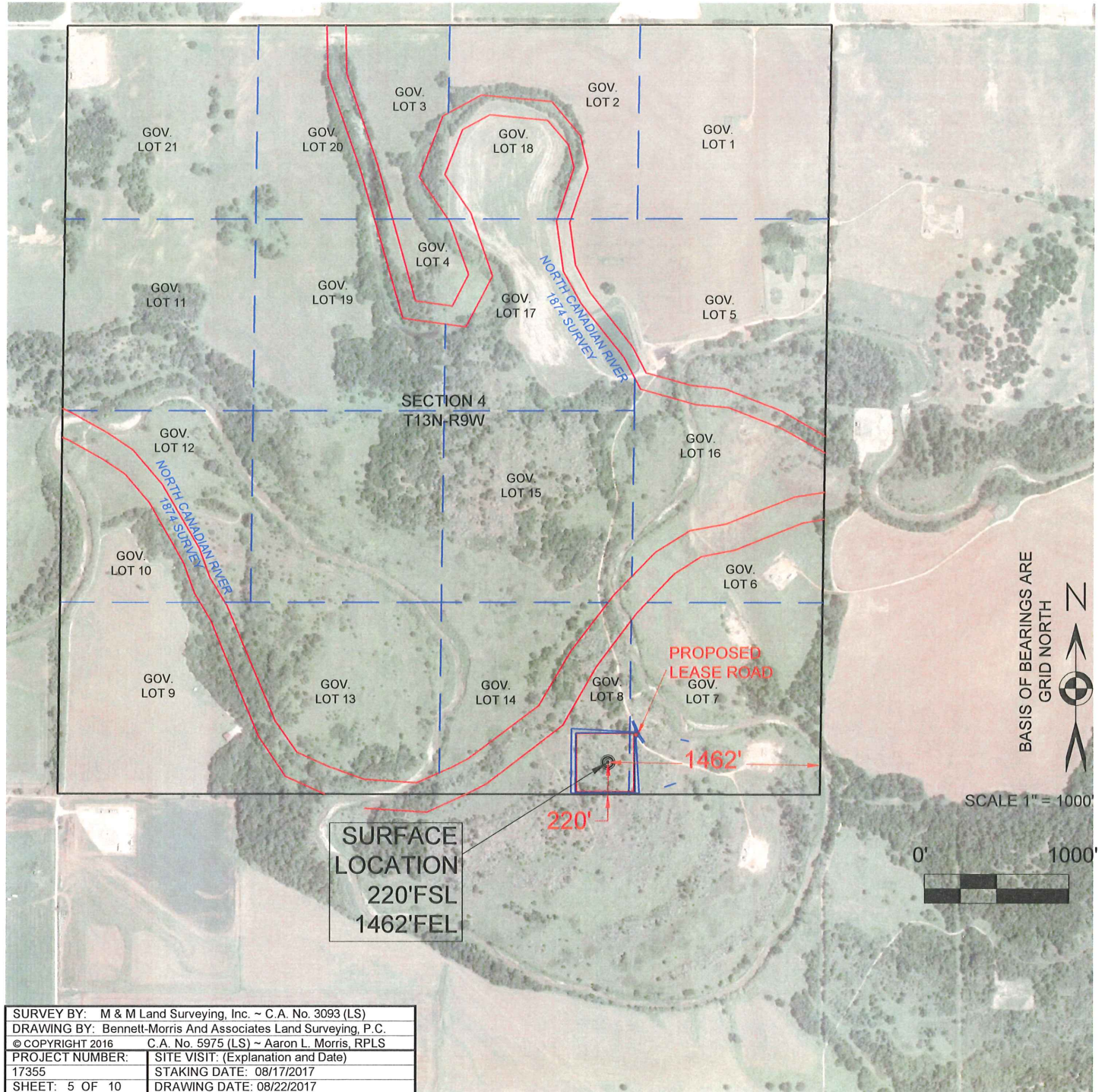
Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

Topography: SAND-HILLS WITH SCATTERED BRUSH - 40' EAST OF TINA MARIE 1309 5H-4 -  
20' EAST OF TINA MARIE 1309 6H-4.

Best Accessibility to Location: From the North off of North Ranch Road.

Distance & Direction From Nearest Town: 8.9 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 to lease road South at Northeast corner of Section 4; Then go Southerly on lease road 1.1 mile to location in SECTION 4-T13N-R9W, I.B.M., Canadian County, Oklahoma.





# 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 7H-4**

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

Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

Distance & Direction From Nearest Town: 8.9 miles East of Geary.



SCALE 1" = 1000'

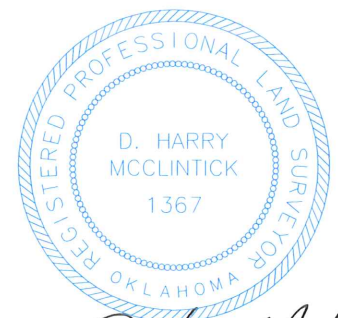


**SURFACE LOCATION**  
DATUM: NAD27  
LAT: 35° 37' 27.62"N  
LONG: 98° 09' 31.82"W  
LAT: 35.624339°N  
LONG: 98.158839°W  
STATE PLANE  
COORDINATES: (US SURVEY FEET)  
ZONE: NORTH ZONE  
Y (N): 227303.6  
X (E): 1952790.97

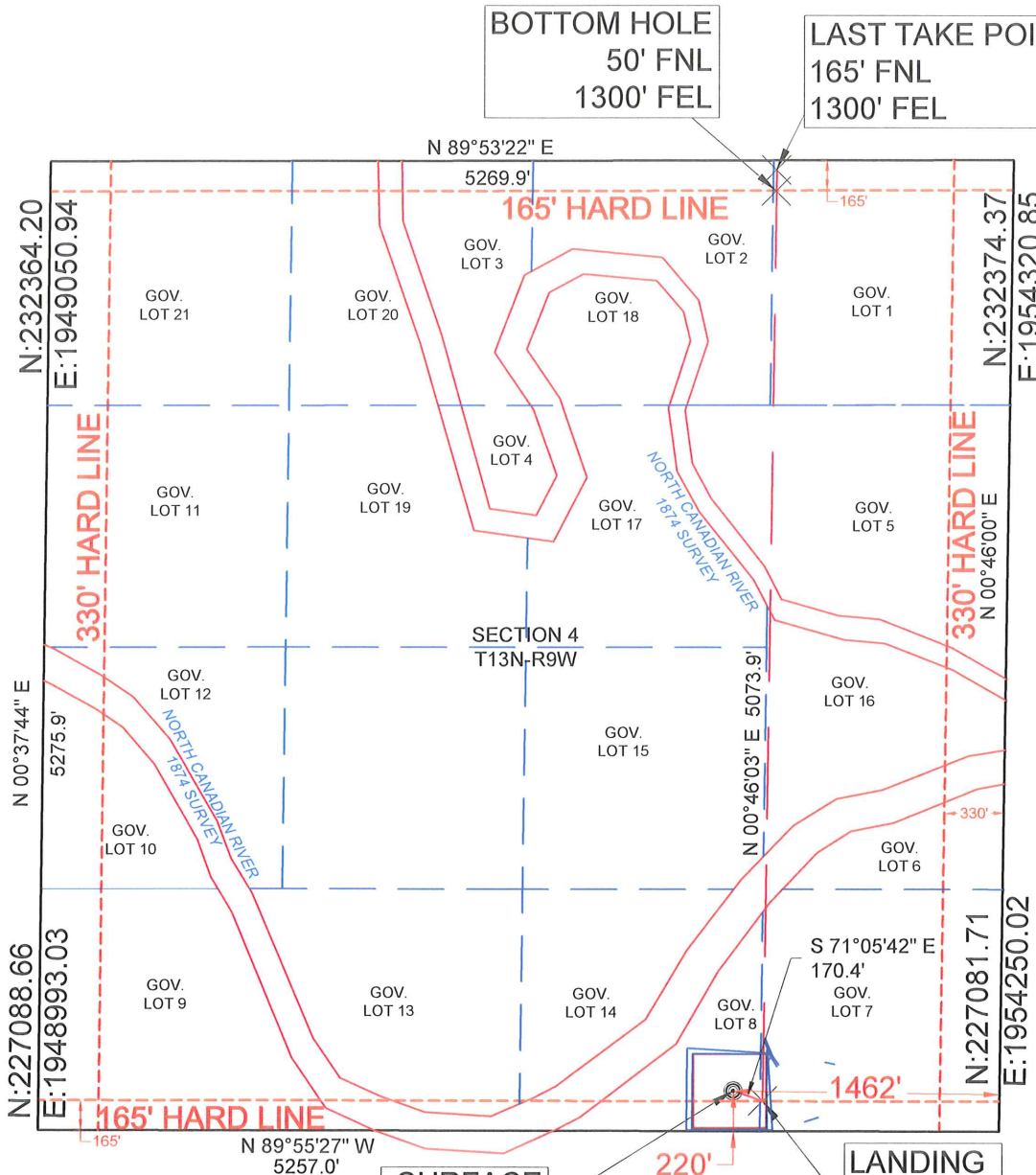
DATUM: NAD83  
LAT: 35° 37' 27.80"N  
LONG: 98° 09' 33.03"W  
LAT: 35.624388°N  
LONG: 98.159174°W  
STATE PLANE  
COORDINATES: (US SURVEY FEET)  
ZONE: NORTH ZONE  
Y (N): 227327.43  
X (E): 1921192.53

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*  
D. Harry McClintick  
PLS. No. 1367 CFEDS



## 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: 17355	SITE VISIT: (Explanation and Date)
	STAKING DATE: 08/17/2017
SHEET: 6 OF 10	DRAWING DATE: 08/22/2017

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 7H-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)
17355	STAKING DATE: 08/17/2017
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)	Easting Meters (NAD83 UTM)	North (NAD27 US Survey Feet)	East (NAD27 US Survey Feet)	Latitude DMS (NAD27)	Longitude DMS (NAD27)	Latitude DD (NAD27)	Longitude DD (NAD27)	North (NAD27 UTM)	Easting Meters (NAD27 UTM)
TINA MARIE 1309 5H-4	227327.48	19211152.53	35° 37' 27.80"N	98° 09' 33.51"W	35.624386°N	98.159309°W	3942614.184	576128.039	227303.65	1952750.97	35° 37' 27.62"N	98° 09' 32.31"W	35.624339°N	98.158974°W	3942409.677	576160.216
TINA MARIE 1309 5H-4 LANDING POINT	227273.82	1920153.69	35° 37' 27.25"N	98° 09' 45.61"W	35.624236°N	98.162669°W	3942594.734	575823.871	227249.99	1951752.14	35° 37' 27.07"N	98° 09' 44.40"W	35.624187°N	98.162334°W	3942390.226	575856.052
TINA MARIE 1309 5H-4 LAST TAKE POINT	232228.38	1920220.11	35° 38' 16.25"N	98° 09' 44.91"W	35.637847°N	98.162474°W	3944104.534	575828.726	232204.56	1951818.62	35° 38' 16.08"N	98° 09' 43.70"W	35.637799°N	98.162138°W	3943900.03	575860.924
TINA MARIE 1309 5H-4 BOTTOM HOLE	232343.37	1920221.65	35° 38' 17.39"N	98° 09' 44.89"W	35.638163°N	98.162469°W	3944139.575	575828.838	232319.55	1951820.16	35° 38' 17.21"N	98° 09' 43.68"W	35.638115°N	98.162134°W	3943935.071	575861.037
TINA MARIE 1309 6H-4	227327.4	19211172.59	35° 37' 27.80"N	98° 09' 33.27"W	35.624388°N	98.159241°W	3942614.222	576134.151	227303.57	1952771.03	35° 37' 27.62"N	98° 09' 32.06"W	35.624339°N	98.158906°W	3942409.714	576166.328
TINA MARIE 1309 6H-4 LANDING POINT	227273.03	1920153.69	35° 37' 27.25"N	98° 09' 38.34"W	35.624236°N	98.160651°W	3942596.356	576006.686	227249.52	1952352.13	35° 37' 27.08"N	98° 09' 37.14"W	35.624188°N	98.160316°W	3942391.848	576038.865
TINA MARIE 1309 6H-4 LAST TAKE POINT	232229.54	1920280.11	35° 38' 16.27"N	98° 09' 37.64"W	35.637853°N	98.160455°W	3944106.751	576011.535	232205.72	1952418.61	35° 38' 16.10"N	98° 09' 36.43"W	35.637805°N	98.160119°W	3943902.247	576043.731
TINA MARIE 1309 6H-4 BOTTOM HOLE	232344.53	1920821.65	35° 38' 17.41"N	98° 09' 37.62"W	35.638169°N	98.160450°W	3944141.792	576011.647	232320.71	1952420.15	35° 38' 17.23"N	98° 09' 36.41"W	35.638121°N	98.160115°W	3943937.288	576043.844
TINA MARIE 1309 7H-4	227327.43	19211192.53	35° 37' 27.80"N	98° 09' 33.03"W	35.624388°N	98.159174°W	3942614.293	576140.226	227303.6	1952790.97	35° 37' 27.62"N	98° 09' 31.82"W	35.624339°N	98.158839°W	3942409.785	576172.403
TINA MARIE 1309 7H-4 LANDING POINT	227272.24	1921353.69	35° 37' 27.25"N	98° 09' 31.07"W	35.624237°N	98.158632°W	3942597.978	576189.501	227248.41	1952952.13	35° 37' 27.08"N	98° 09' 29.87"W	35.624188°N	98.158297°W	3942393.47	576221.678
TINA MARIE 1309 7H-4 LAST TAKE POINT	232230.69	1921420.11	35° 38' 16.29"N	98° 09' 30.37"W	35.637859°N	98.158436°W	3944108.964	576194.345	232206.87	1953018.6	35° 38' 16.12"N	98° 09' 29.16"W	35.637811°N	98.158100°W	3943904.46	576226.539
TINA MARIE 1309 7H-4 BOTTOM HOLE	232345.68	1921421.65	35° 38' 17.43"N	98° 09' 30.35"W	35.638175°N	98.158431°W	3944144.005	576194.457	232321.86	1953020.14	35° 38' 17.26"N	98° 09' 29.14"W	35.638127°N	98.158096°W	3943939.501	576226.651



# 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: 35.624388°N  
LONG: 98.159174°W

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: TINA MARIE 1309 7H-4

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

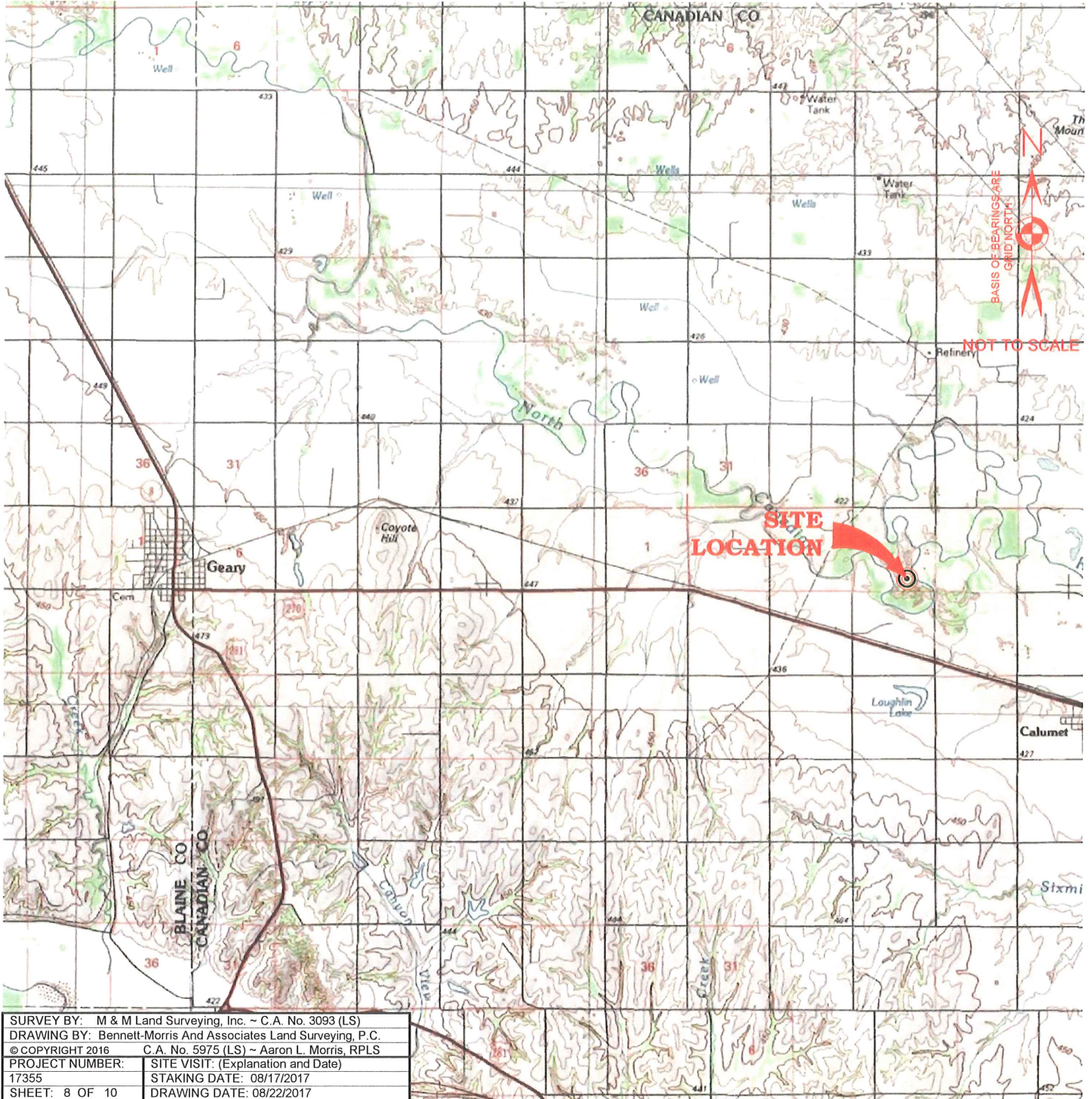
Original Location: 220'FSL - 1462'FEL 1380' GROUND YES

Topography: SAND-HILLS WITH SCATTERED BRUSH - 40' EAST OF TINA MARIE 1309 5H-4 - 20' EAST OF TINA MARIE 1309 6H-4.

Best Accessibility to Location: From the North off of North Ranch Road.

Distance & Direction From Nearest Town: 8.9 miles East of Geary.

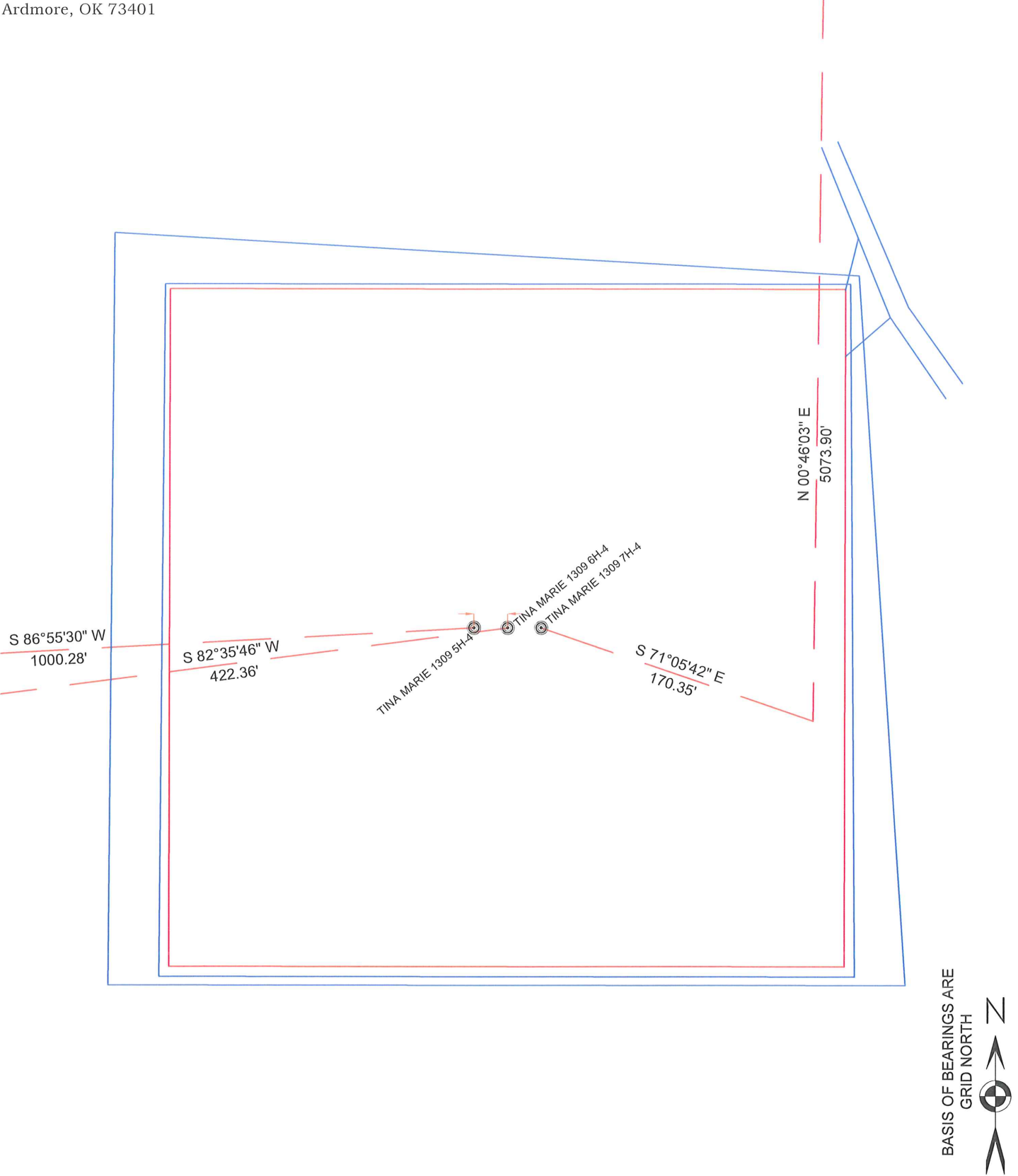
From the town of Geary and the intersection of U.S. Highway No. 270 (Southeast South Street) and U.S. Highway No. 281 (State Highway No. 8 and South Broadway); Go East 5.2 miles on U.S. Highway No. 270 (Southeast South Street and 150th Street Northwest); Then go North 2.0 miles on North Karns Road; Then go East 4.0 miles on Edmond Road Northwest; Then go South 1.0 mile on North Ranch Road to lease road South at Northeast corner of Section 4; Then go Southerly on lease road 1.1 mile to location 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 7H-4  
Section 4 Township 13 N Range 9 W , I.B.M, County of Canadian, State of Oklahoma



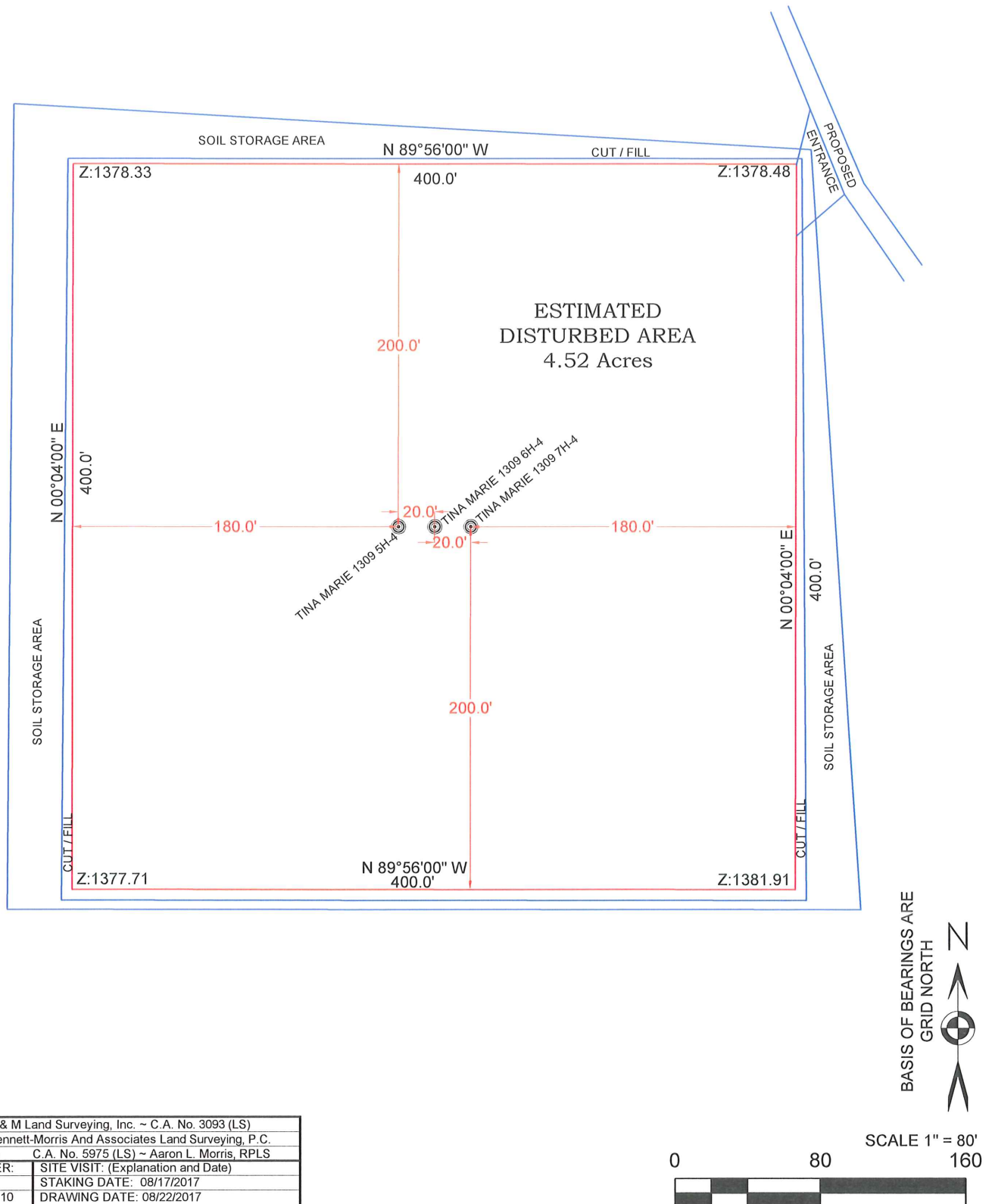
SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 17355	SITE VISIT: (Explanation and Date)
STAKING DATE: 08/17/2017	
DRAWING DATE: 08/22/2017	
SHEET: 9 OF 10	



# 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 7H-4  
Section 4 Township 13 N Range 9 W , I.B.M, County of Canadian, State of Oklahoma



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DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 17355	SITE VISIT: (Explanation and Date)
SHEET: 10 OF 10	STAKING DATE: 08/17/2017
	DRAWING DATE: 08/22/2017