

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

API NUMBER: 011 24065

Approval Date: 08/10/2018
Expiration Date: 02/10/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 15N Rge: 13W County: BLAINE
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 910

Lease Name: SAWYER Well No: 1613 3H-27X Well will be 250 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
24 WATERWAY AVE STE 900
THE WOODLANDS, TX 77380-2764

TODD JAY ICE TRUST
82742 N. 2470 ROAD
FAY OK 73646

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

Name	Depth	Name	Depth
1 MISSISSIPPI	11678	6	
2 MISSISSIPPIAN	11696	7	
3		8	
4		9	
5		10	

Spacing Orders: 205164
664096

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805210
201805212
201805215
201805216

Special Orders:

Total Depth: 22391

Ground Elevation: 1778

Surface Casing: 480

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35056

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 27 Twp 16N Rge 13W County BLAINE

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1887

Depth of Deviation: 11356

Radius of Turn: 518

Direction: 10

Total Length: 10315

Measured Total Depth: 22391

True Vertical Depth: 11696

End Point Location from Lease,
Unit, or Property Line: 85

Notes:

Category

Description

HYDRAULIC FRACTURING

8/6/2018 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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,

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

INTERMEDIATE CASING

8/6/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

8/6/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM CUTTINGS WILL BE SOIL FARMED, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 2 - OBM TO VENDOR

PENDING CD - 201805210

8/6/2018 - G58 - 27-16N-13W
X205164 MISS
3 WELLS
NO OP. NAMED
REC 8/7/2018 (PORTER)

This permit does not address the right of entry or settlement of surface damages.

011 24065 SAWYER 1613 3H-27X

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.

Category	Description
PENDING CD - 201805212	8/6/2018 - G58 - 34-16N-13W X664096 MSSP 3 WELLS NO OP. NAMED REC 8/7/2018 (PORTER)
PENDING CD - 201805215	8/6/2018 - G58 - (I.O.) 27 & 34-16N-13W EST MULTIUNIT HORIZONTAL WELL X205164 MISS 27-16N-13W X664096 MSSP 34-16N-13W 50% 27-16N-13W 50% 34-16N-13W NO OP. NAMED REC 8/7/2018 (PORTER)
PENDING CD - 201805216	8/6/2018 - G58 - (I.O.) 27 & 34-16N-13W X205164 MISS 27-16N-13W X664096 MSSP 34-16N-13W COMPL. INT. (34-16N-13W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (27-16N-13W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL NO OP. NAMED REC 8/7/2018 (PORTER)
SPACING - 205164	8/6/2018 - G58 - (640) 27-16N-13W EXT OTHERS EXT 123621 MISS, OTHERS
SPACING - 664096	8/6/2018 - G58 - (640)(HOR) 34-16N-13W EST OTHERS EXT 659938 MSSP, OTHERS COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 138660 CSTR; SP. ORDER 590461 MSSLM)

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.

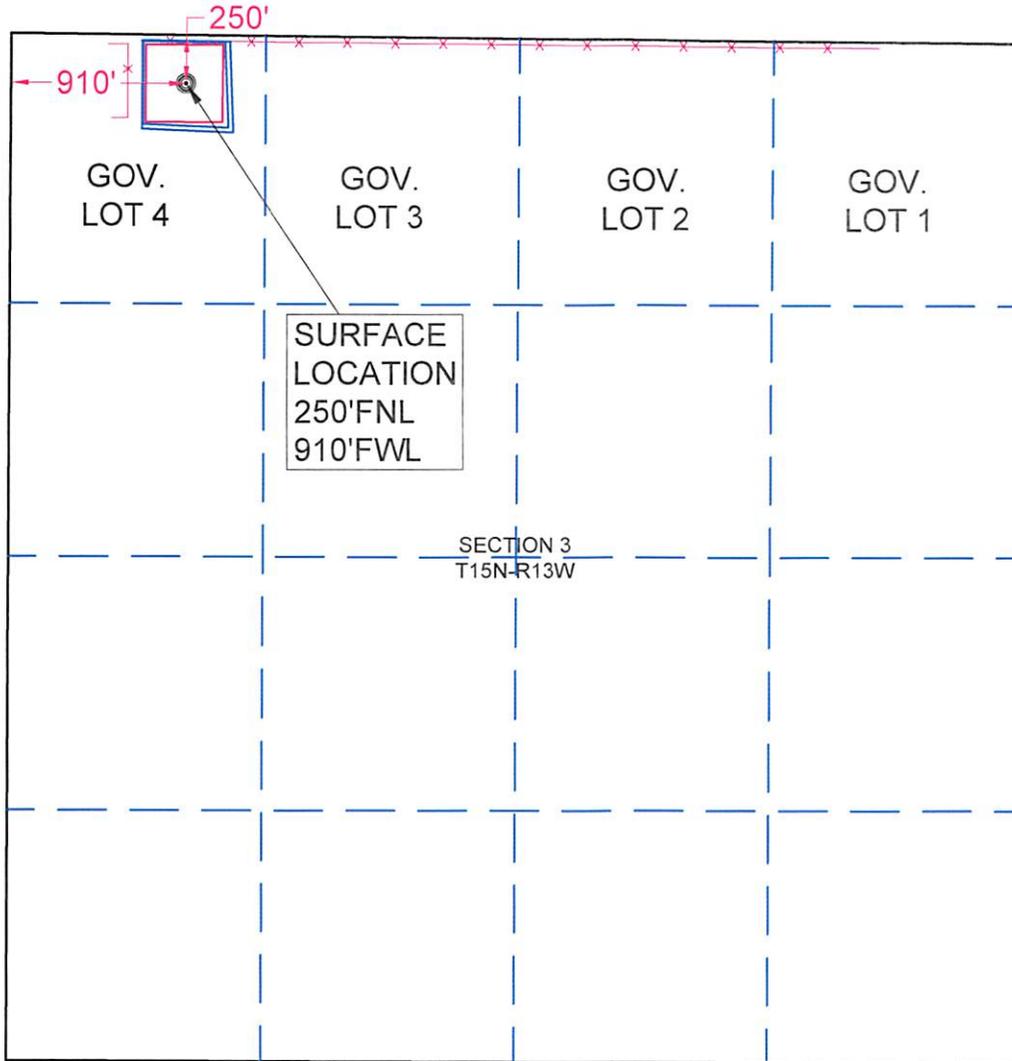
WELL LOCATION

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

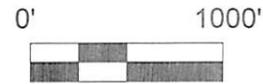
Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC. 011-24065
 Lease Name: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W , I.B.M., County of Blaine, State of Oklahoma
 Elevation Good Location?
 Original Location: 250'FNL - 910'FWL 1778' GROUND YES
 Topography: PASTURE - 20' EAST OF SAWYER 1613 4H-27X

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
 Distance & Direction From Nearest Town: 9.0 miles Southwest of Watonga
 From the town of Watonga and the intersection of U.S. Highway No. 270 W. (U.S. Highway No. 281 N., State Highway No. 3, State Highway No. 33, and C Street) and U.S. Highway No. 270 E. (U.S. Highway No. 281 S., State Highway No. 8, and South Clarence Nash Boulevard); Go West 9.0 miles on U.S. Highway No. 270 W. (U.S. Highway No. 281 N., S.H. No. 3, S.H. No. 33, and C Street); Then go South 2.0 miles on County Road N2480; Then go East 0.2 mile on County Road E0830 to location in SECTION 3-T15N-R13W, I.B.M., Blaine County, Oklahoma.



SCALE 1" = 1000'



A.L.M. 06/21/2018

Aaron L. Morris R.P.L.S. No.1477
 Bennett-Morris & Associates
 Land Surveying P.C. ~ C.A. No.
 5795 (LS)
 Phone (580) 226-5108
 Fax (888) 662-7778
 1010 Northwest Boulevard
 Ardmore, OK 73401

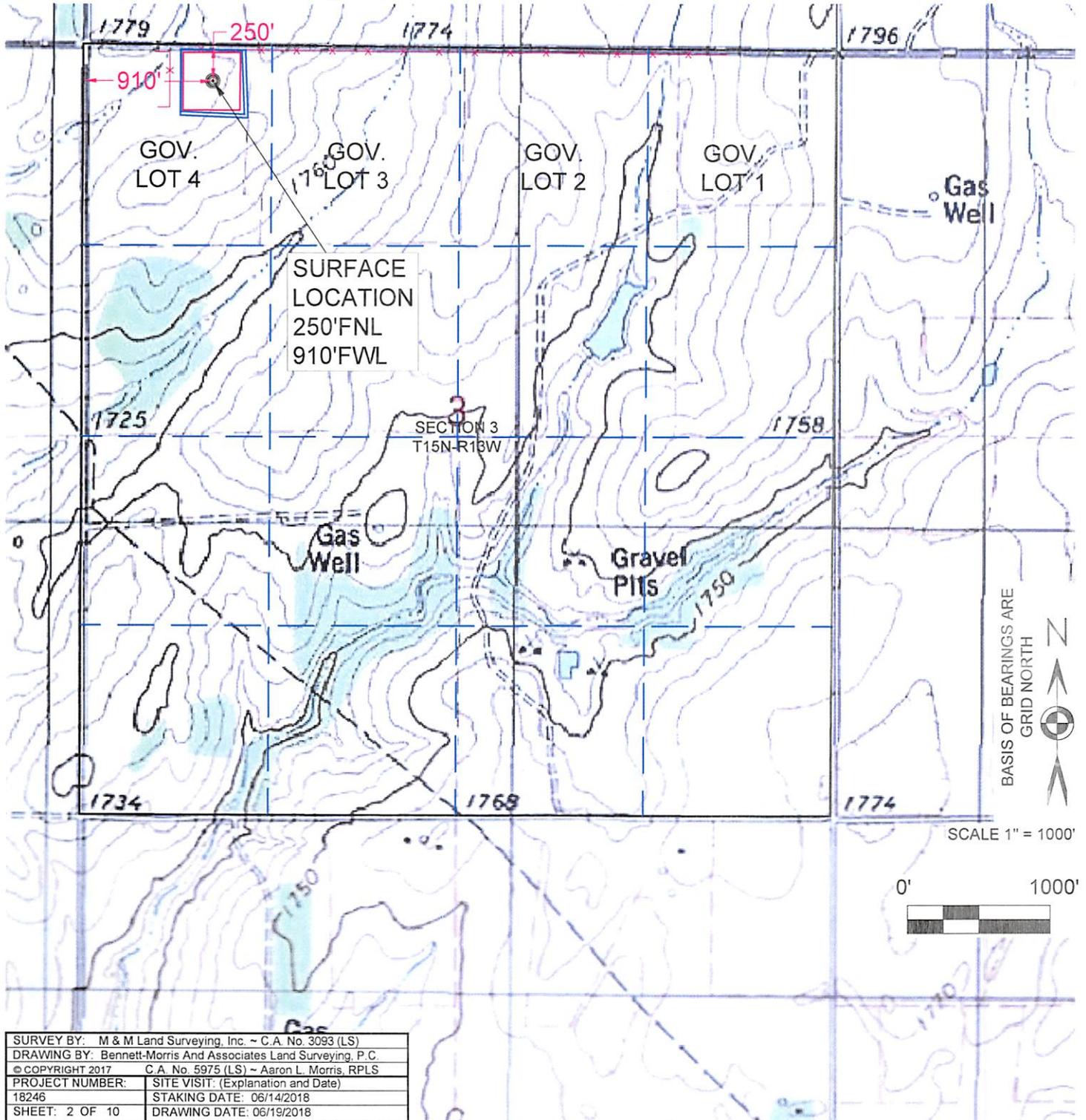
SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
	STAKING DATE: 06/14/2018
SHEET: 1 OF 10	DRAWING DATE: 06/19/2018

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: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W , I.B.M., County of Blaine, State of Oklahoma
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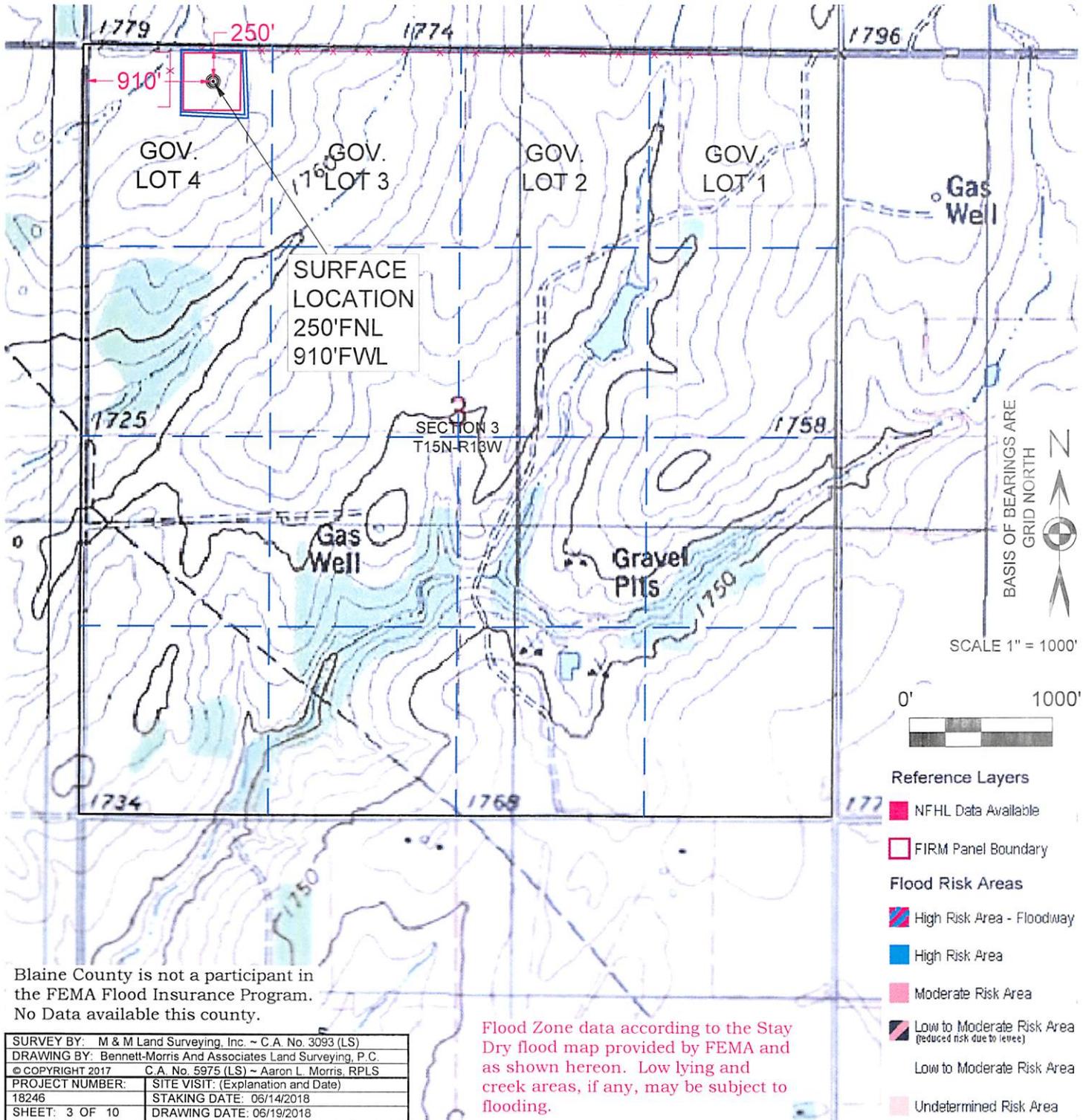
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DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
18246	STAKING DATE: 06/14/2018
SHEET: 2 OF 10	DRAWING DATE: 06/19/2018

FLOOD ELEVATION 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: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W , I.B.M., County of Blaine, State of Oklahoma
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Blaine County is not a participant in the FEMA Flood Insurance Program. No Data available this county.

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.

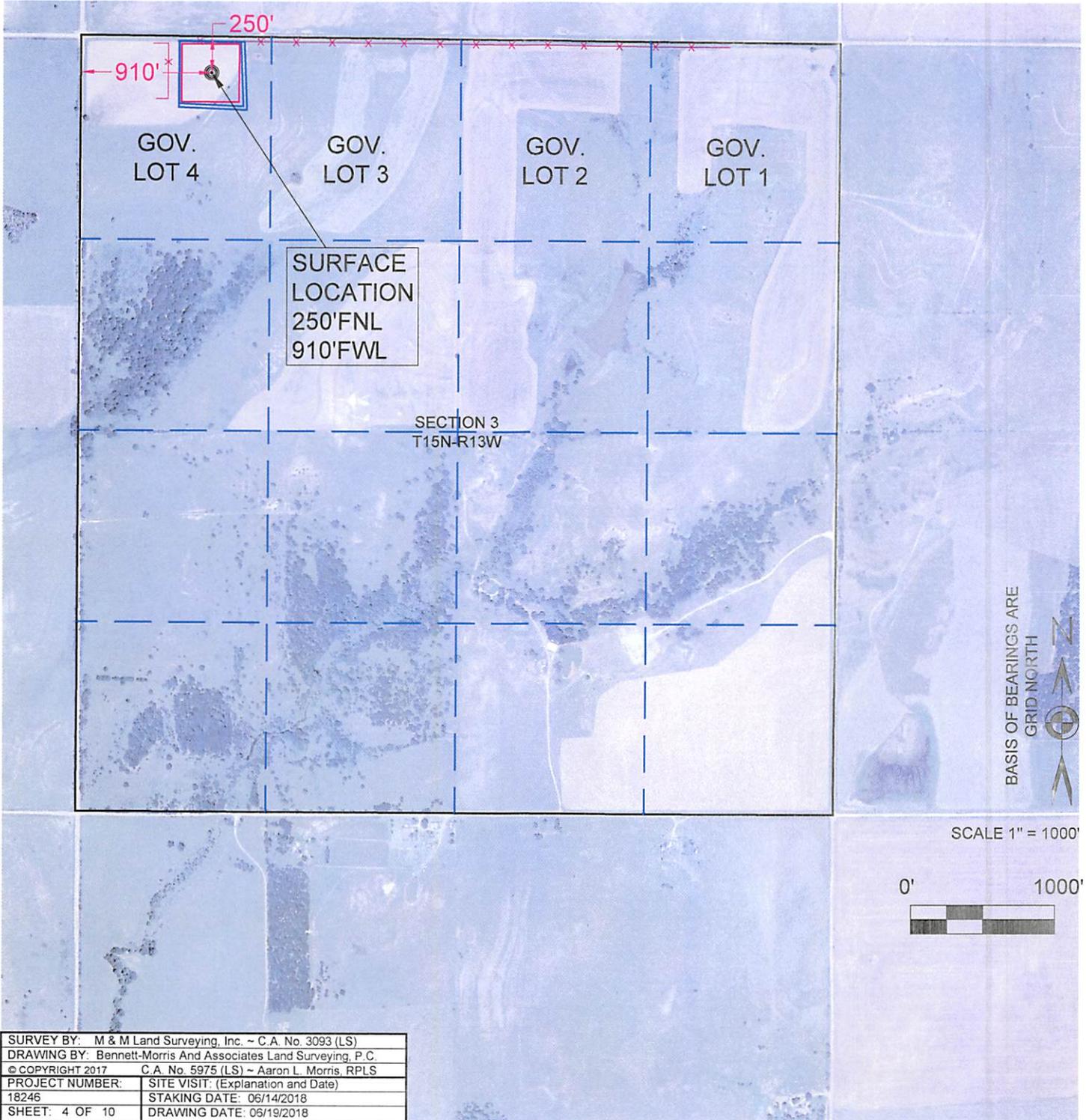
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DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
18246	STAKING DATE: 06/14/2018
SHEET: 3 OF 10	DRAWING DATE: 06/19/2018

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: SAWYER 1613 3H-27X
Section 3 Township 15 N Range 13 W , I.B.M., County of Blaine, State of Oklahoma
Elevation Good Location?
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Topography: PASTURE - 20' EAST OF SAWYER 1613 4H-27X

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LEASE ROAD PLAT

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

M & M Land Surveying, Inc.

Lease Name: SAWYER 1613 3H-27X

Phone (580) 226-0446

Section 3 Township 15 N Range 13 W, I.B.M., County of Blaine, State of Oklahoma

520 E Street N.W.

Original Location: 250'FNL - 910'FWL Elevation 1778' GROUND Good Location? YES

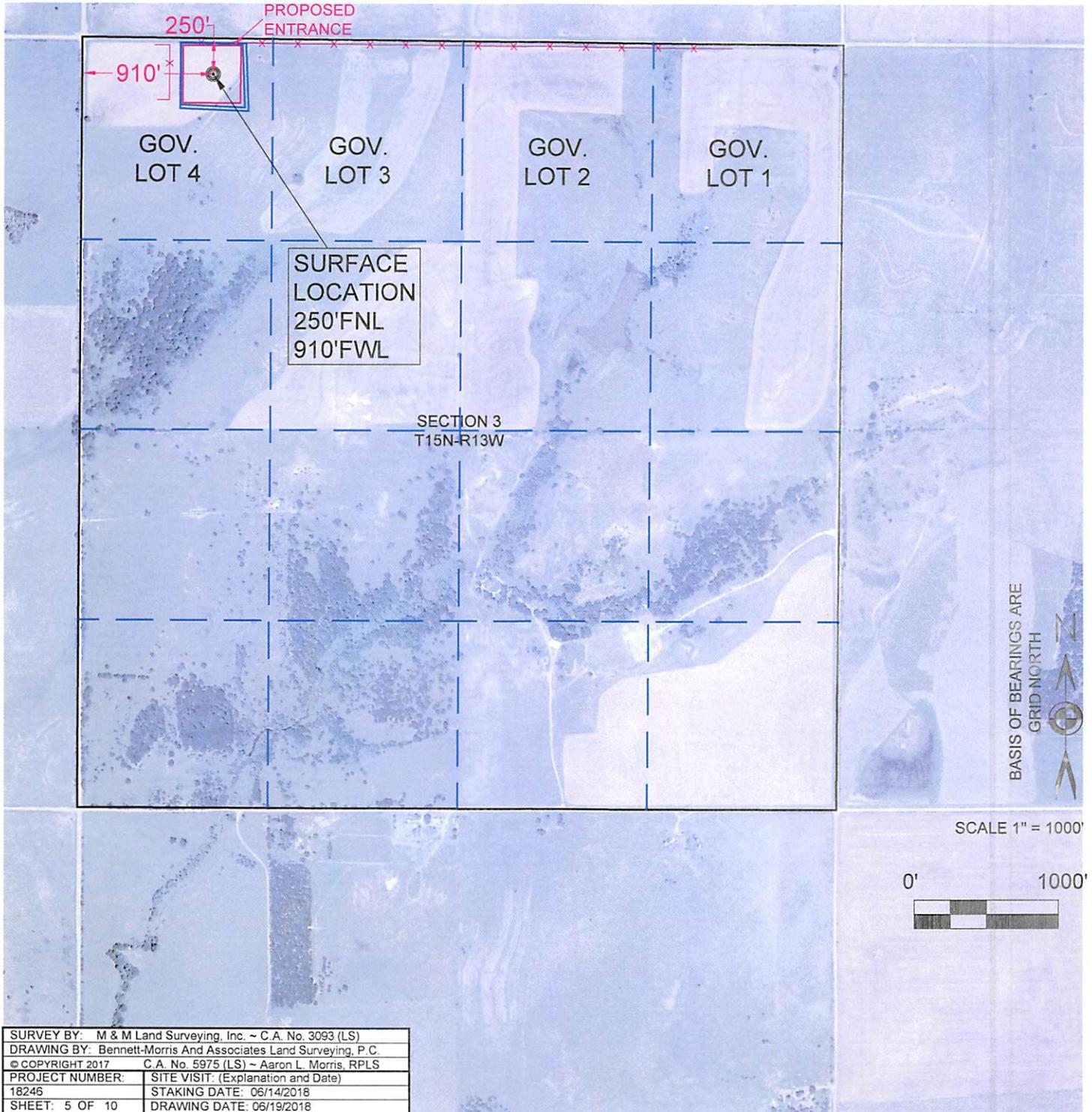
Ardmore, OK 73401

Topography: PASTURE - 20' EAST OF SAWYER 1613 4H-27X

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 9.0 miles Southwest of Watonga

From the town of Watonga and the intersection of U.S. Highway No. 270 W. (U.S. Highway No. 281 N., State Highway No. 3, State Highway No. 33, and C Street) and U.S. Highway No. 270 E. (U.S. Highway No. 281 S., State Highway No. 8, and South Clarence Nash Boulevard); Go West 9.0 miles on U.S. Highway No. 270 W. (U.S. Highway No. 281 N., S.H. No. 3, S.H. No. 33, and C Street); Then go South 2.0 miles on County Road N2480; Then go East 0.2 mile on County Road E0830 to location in SECTION 3-T15N-R13W, I.B.M., Blaine County, Oklahoma.



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DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
	STAKING DATE: 06/14/2018
SHEET: 5 OF 10	DRAWING DATE: 06/19/2018

011-24065

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: SAWYER 1613 3H-27X
Section 3 Township 15 N Range 13 W ,I.B.M,
County of Blaine, State of Oklahoma
Good Location? YES

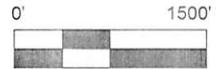
Original Location: 250'FNL - 910'FWL Elevation 1778' GROUND
Distance & Direction From Nearest Town: 9.0 miles Southwest of Watonga

SURFACE LOCATION

DATUM: NAD27
LAT: 35° 48' 41.69"N
LONG: 98° 34' 31.85"W
LAT: 35.811580°N
LONG: 98.575513°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 295926.76
X (E): 1829355.38



SCALE 1" = 1500'



DATUM: NAD83
LAT: 35° 48' 41.85"N
LONG: 98° 34' 33.13"W
LAT: 35.811625°N
LONG: 98.575869°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 295951.78
X (E): 1797753.9

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.

CERTIFICATE:

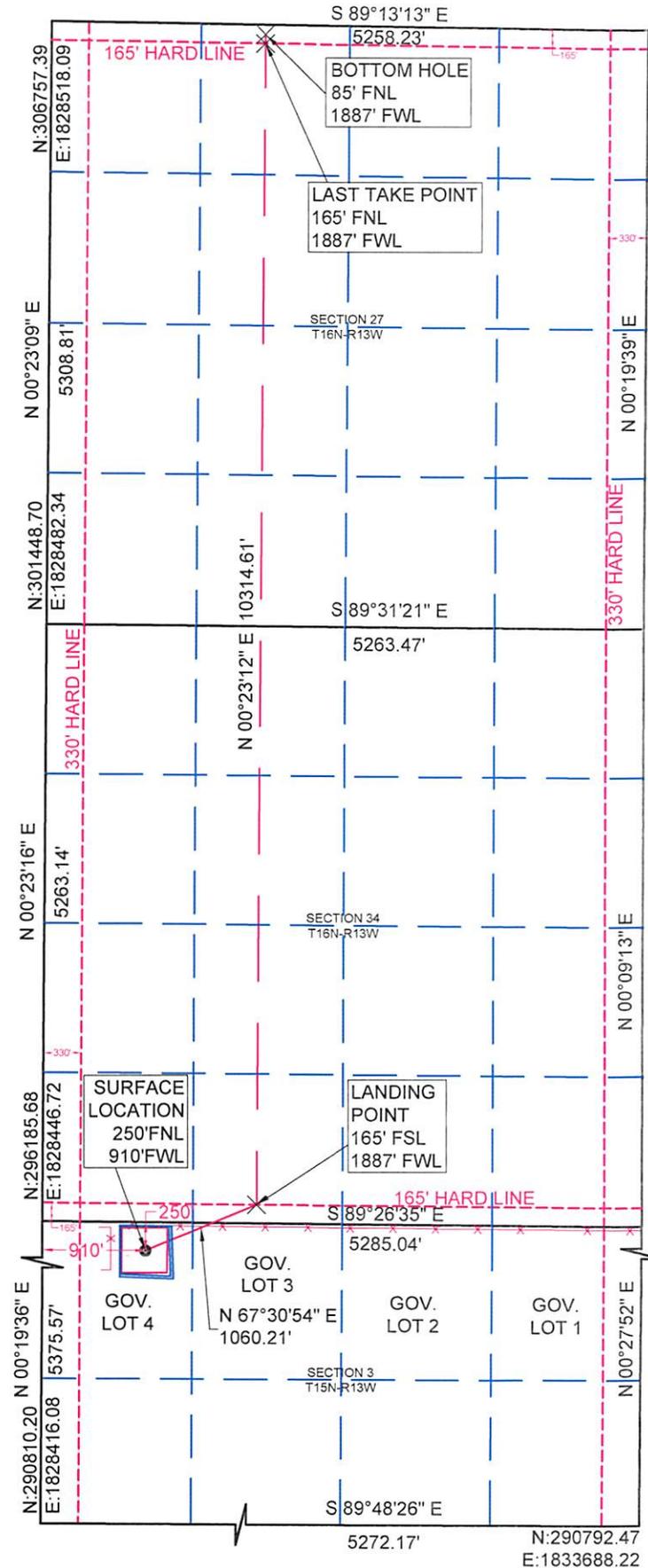
I Aaron Morris a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the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

N:306685.83
E:1833775.83

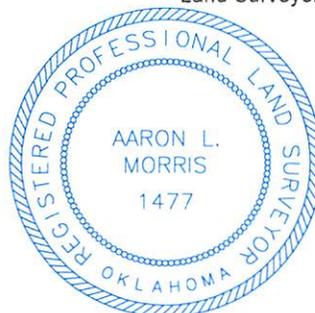
N:301404.84
E:1833745.63

N:296134.31
E:1833731.51

N:290792.47
E:1833688.22



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DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 06/14/2018
	DRAWING DATE: 06/19/2018



A.L. Morris 06/21/2018

Aaron L. Morris R.P.L.S. No.1477
Bennett-Morris & Associates
Land Surveying P.C. ~ C.A. No.
5795 (LS)
Phone (580) 226-5108
Fax (888) 662-7778
1010 Northwest Boulevard
Ardmore, OK 73401

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: **SAWYER 1613 3H-27X**

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 2017	C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS
PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
	STAKING DATE: 06/14/2018
SHEET: 7 OF 10	DRAWING DATE: 06/19/2018

Descriptor	Northing (NAD83 US Survey Feet)	Latitude DMS (NAD83)	Longitude DMS (NAD83)	Latitude DD (NAD83)	Longitude DD (NAD83)	Easting (NAD83 US Survey Feet)	Northing (NAD27 US Survey Feet)	Easting (NAD27 US Survey Feet)	Latitude DMS (NAD27)	Longitude DMS (NAD27)	Latitude DD (NAD27)	Longitude DD (NAD27)	Northing Meters (NAD27 UTM)	Easting Meters (NAD27 UTM)		
SAWYER 1613 4H-27X	295951.84	1797733.99	35° 48' 41.85" N	98° 34' 33.37" W	35.811625° N	98.575996° W	3963138.197	538310.657	295926.82	1829335.41	35° 48' 41.69" N	98° 34' 32.09" W	35.811579° N	98.575580° W	3962933.34	538343.765
SAWYER 1613 4H-27X LANDING POINT	296371.85	1797226.49	35° 48' 45.97" N	98° 34' 39.56" W	35.812771° N	98.577656° W	3963264.579	538154.737	296346.83	1828827.99	35° 48' 45.81" N	98° 34' 38.28" W	35.812725° N	98.577300° W	3963059.719	538187.85
SAWYER 1613 4H-27X LAST TAKE POINT	306612.09	1797295.62	35° 50' 27.25" N	98° 34' 39.46" W	35.840903° N	98.577628° W	3966384.785	538143.773	306587.07	1828897.27	35° 50' 27.09" N	98° 34' 38.18" W	35.840858° N	98.577271° W	3966179.926	538176.933
SAWYER 1613 4H-27X BOTTOM HOLE	306692.09	1797296.16	35° 50' 28.04" N	98° 34' 39.46" W	35.841122° N	98.577628° W	3966409.161	538143.687	306667.07	1828897.81	35° 50' 27.88" N	98° 34' 38.18" W	35.841078° N	98.577271° W	3966204.302	538176.847
SAWYER 1613 3H-27X	295951.78	1797753.9	35° 48' 41.85" N	98° 34' 33.13" W	35.811625° N	98.575869° W	3963138.241	538316.741	295926.76	1829355.38	35° 48' 41.69" N	98° 34' 31.85" W	35.811580° N	98.575513° W	3962933.384	538349.85
SAWYER 1613 3H-27X LANDING POINT	296357.21	1798733.43	35° 48' 45.92" N	98° 34' 21.26" W	35.812755° N	98.572573° W	3963264.83	538613.916	296332.21	1830334.9	35° 48' 45.75" N	98° 34' 19.98" W	35.812709° N	98.572217° W	3963059.978	538647.021
SAWYER 1613 3H-27X LAST TAKE POINT	306591.58	1798802.52	35° 50' 27.13" N	98° 34' 21.16" W	35.840871° N	98.572544° W	3966383.249	538602.959	306566.58	1830404.15	35° 50' 26.97" N	98° 34' 19.87" W	35.840826° N	98.572187° W	3966178.398	538636.111
SAWYER 1613 3H-27X BOTTOM HOLE	306671.58	1798803.06	35° 50' 27.93" N	98° 34' 21.16" W	35.841091° N	98.572544° W	3966407.625	538602.874	306646.58	1830404.69	35° 50' 27.76" N	98° 34' 19.87" W	35.841046° N	98.572187° W	3966202.774	538636.026

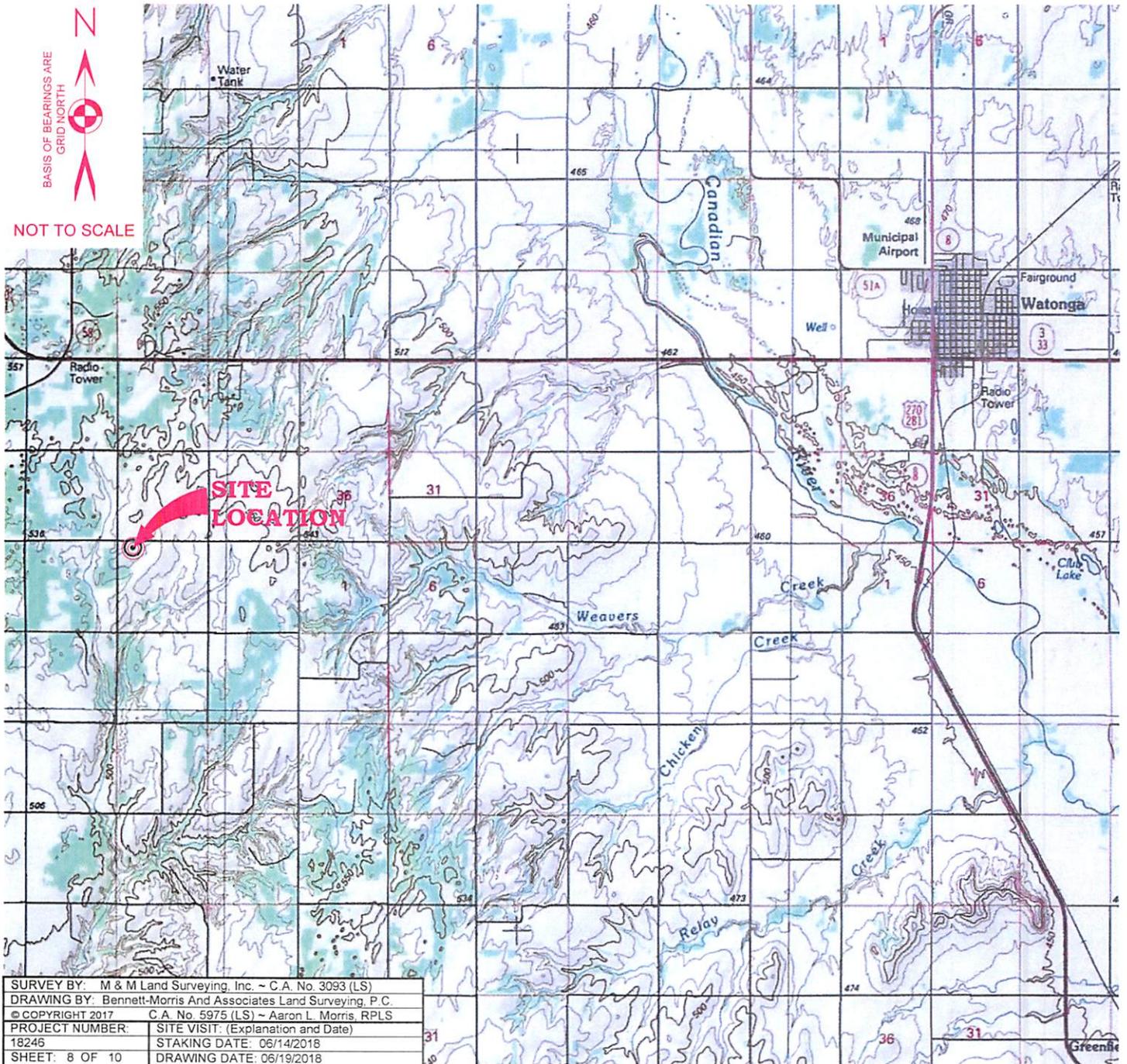
VICINITY MAP

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: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W, I.B.M., County of Blaine, State of Oklahoma
 Elevation Good Location?
 Original Location: 250'FNL - 910'FWL 1778' GROUND YES
 Topography: PASTURE - 20' EAST OF SAWYER 1613 4H-27X

WGS 84 LATITUDE AND LONGITUDE:
 LAT: 35.811625°N
 LONG: 98.575869°W

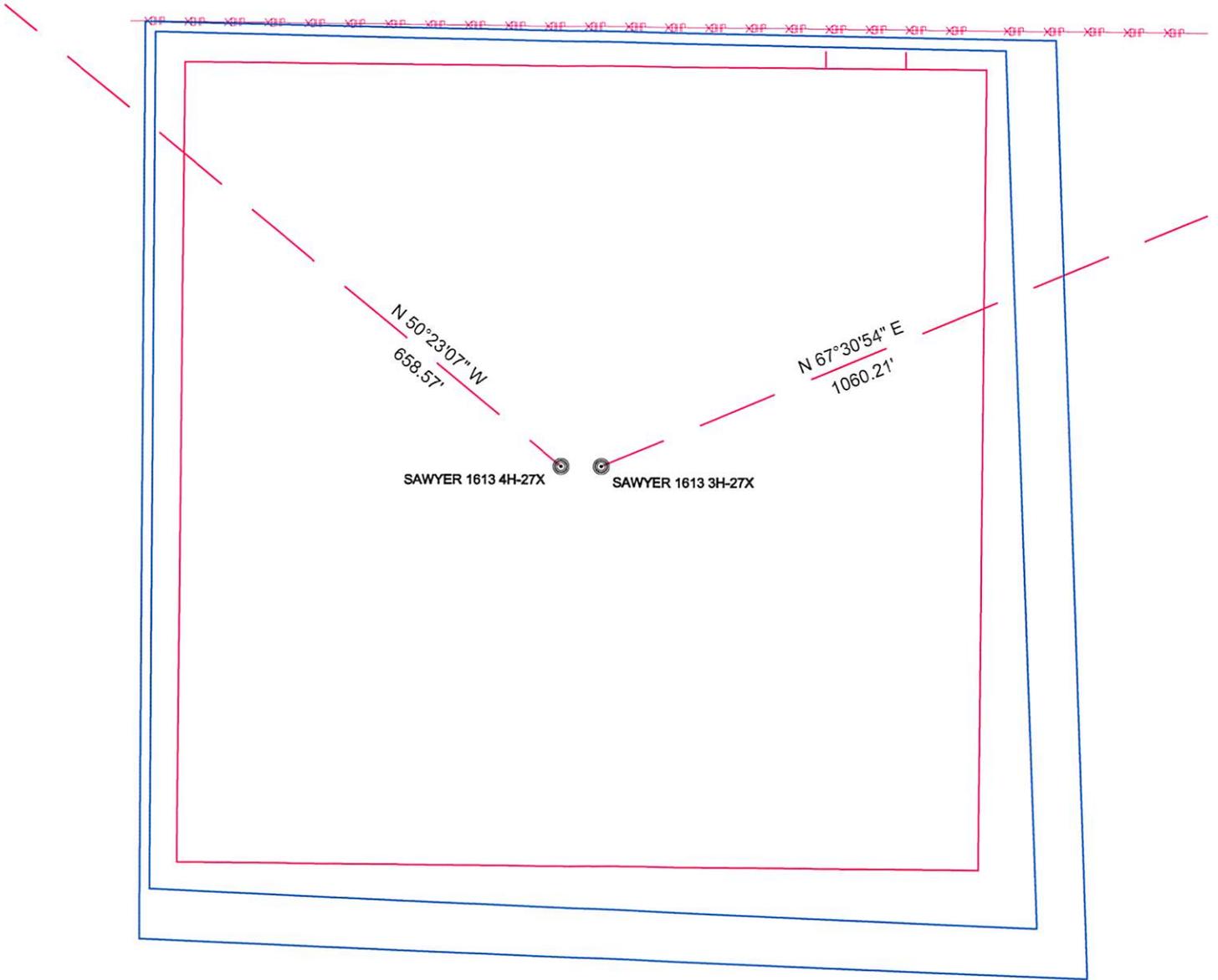
Best Accessibility to Location: From the North
 Distance & Direction From Nearest Town: 9.0 miles Southwest of Watonga
 From the town of Watonga and the intersection of U.S. Highway No. 270 W. (U.S. Highway No. 281 N., State Highway No. 3, State Highway No. 33, and C Street) and U.S. Highway No. 270 E. (U.S. Highway No. 281 S., State Highway No. 8, and South Clarence Nash Boulevard); Go West 9.0 miles on U.S. Highway No. 270 W. (U.S. Highway No. 281 N., S.H. No. 3, S.H. No. 33, and C Street); Then go South 2.0 miles on County Road N2480; Then go East 0.2 mile on County Road E0830 to location in SECTION 3-T15N-R13W, I.B.M., Blaine 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: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W , I.B.M, County of Blaine, State of Oklahoma



SCALE 1" = 80'

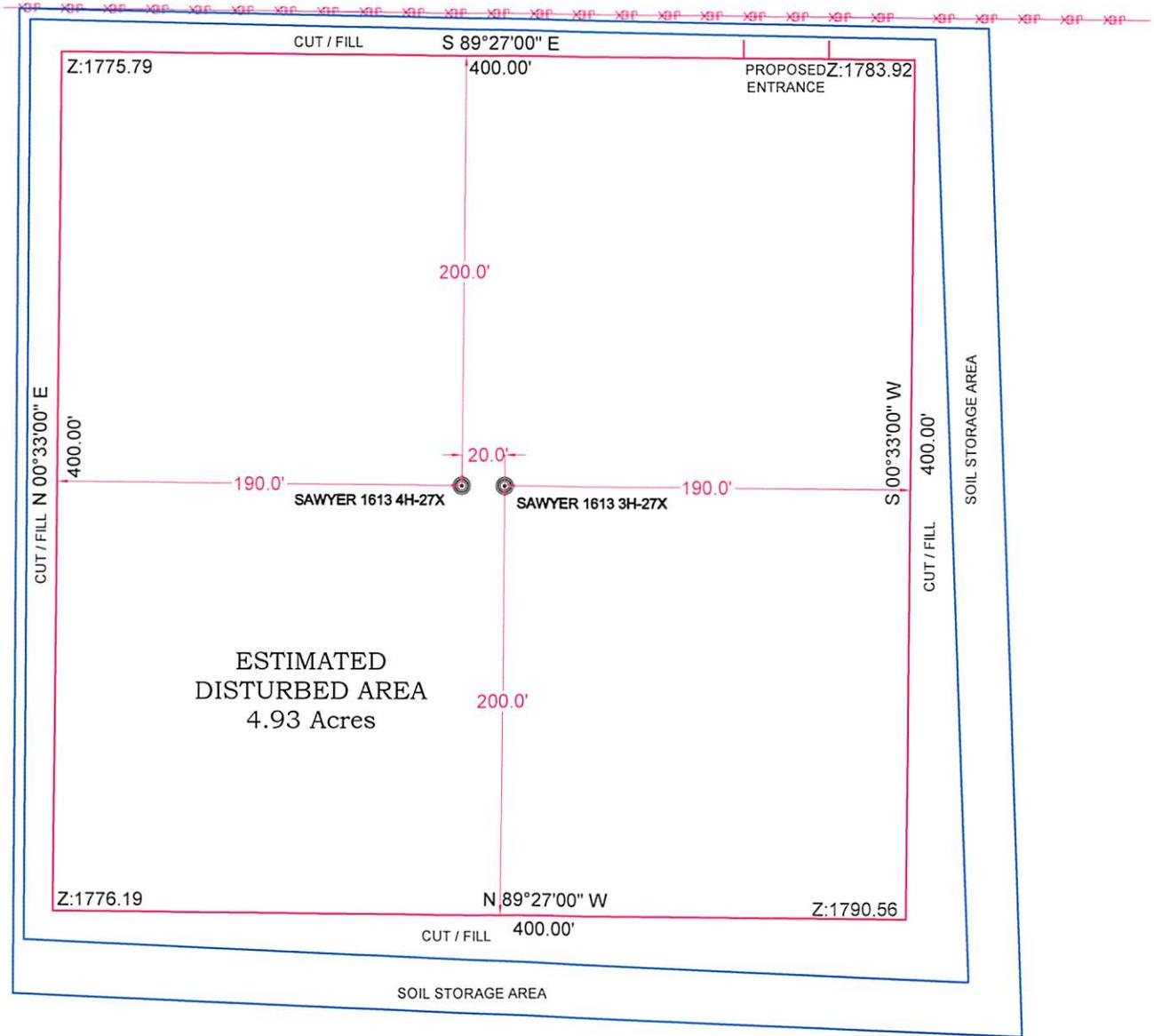


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PROJECT NUMBER: 18246	SITE VISIT: (Explanation and Date)
SHEET: 9 OF 10	STAKING DATE: 06/14/2018
	DRAWING DATE: 06/19/2018

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: SAWYER 1613 3H-27X
 Section 3 Township 15 N Range 13 W , I.B.M, County of Blaine, State of Oklahoma



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