

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

API NUMBER: 073 26316

Approval Date: 10/11/2018

Expiration Date: 04/11/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 16N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 240 1020

Lease Name: SANTANA

Well No: 1708 6H-29X

Well will be 240 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

KARON MCKINLEY  
7701 SANDY LANE  
EDMOND OK 73034

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8463	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 644685  
648447

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806082  
201806083  
201806072  
201806073  
201806088

Special Orders:

Total Depth: 18715

Ground Elevation: 1210

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

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: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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

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 29 Twp 17N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1651

Depth of Deviation: 7659

Radius of Turn: 477

Direction: 360

Total Length: 10307

Measured Total Depth: 18715

True Vertical Depth: 8463

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

Notes:

Category

Description

DEEP SURFACE CASING

9/13/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/13/2018 - 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](http://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](http://FRACFOCUS.ORG)

INTERMEDIATE CASING

9/13/2018 - 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

9/13/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR

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

073 26316 SANTANA 1708 6H-29X

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 - 201806072	10/11/2018 - G58 - 29-17N-8W X644685/648447 MSNLC 7 WELLS NO OP NAMED REC 8/21/2018 (JACKSON)
PENDING CD - 201806073	10/11/2018 - G58 - 32-17N-8W X644685 MSNLC 7 WELLS NO OP NAMED REC 8/21/2018 (JACKSON)
PENDING CD - 201806082	10/11/2018 - G58 - (I.O) 29 & 32-17N-8W EST MULTIUNIT HORIZONTAL WELL X644685/648447 MSNLC 50% 32-17N-8W 50% 29-17N-8W NO OP. NAMED REC 8/21/2018 (JACKSON)
PENDING CD - 201806083	10/11/2018 - G58 - (I.O) 29 & 32-17N-8W X644685/648447 MSNLC COMPL. INT. 32-17N-8W NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. 29-17N-8W NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL NO OP. NAMED REC 8/21/2018 (JACKSON)
PENDING CD - 201806088	10/11/2018 - G58 - (I.O.) 29 & 32-17N-8W X165:10-3-28(C)(2)(B) MSNLC (SANTANA 1708 6H-29X) MAY BE CLOSER THAN 600' FROM THE SANTANA 1H-29X WELL MAY BE CLOSER THAN 600' FROM THE KRAUS 20-1 WELL MAY BE CLOSER THAN 600' FROM THE FISHER 1-32 WELL MAY BE CLOSER THAN 600' FROM PROPOSED WELL REC 8/21/2018 (JACKSON)
SPACING - 644685	10/11/2018 - G58 - (640)(HOR) 29 & 32-17N-8W EXT 637461 MSNLC POE TO BHL NCT 660' FB (COEXIST SP. ORDER #143505/168065 MSSLM SEC 29, SP. ORDER #501091 MSSLM SW4 SEC 32, SP.ORDER #143505 MSSLM N2 & SE4 SEC 32)
SPACING - 648447	10/11/2018 - G58 - SP. ORDER 644685 IS CONFIRMED THIS ORDER NOTIFIES RESPONDENTS IN THE LANDS MENTIONED IN SP ORDER 644685

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.

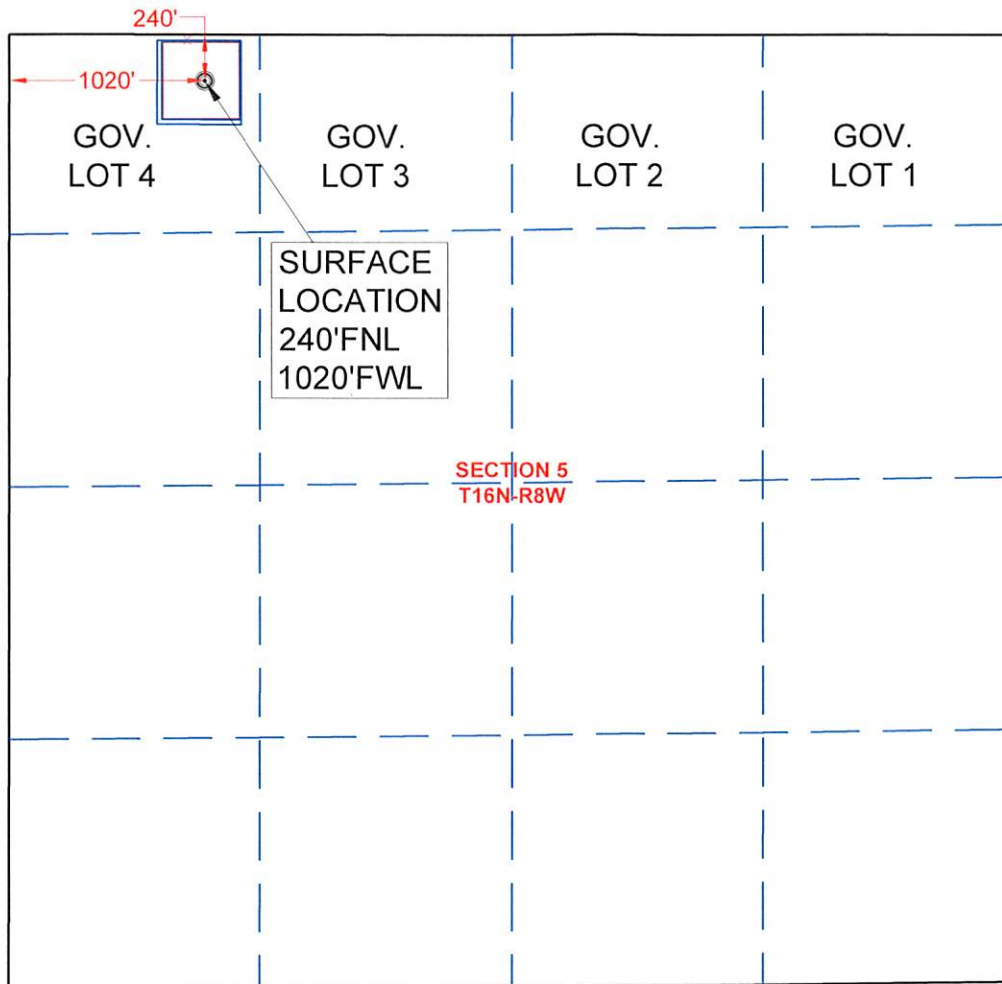
# WELL LOCATION

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

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**  
Lease Name: **SANTANA 1708 6H-29X**  
Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma  
Elevation 1210' Good Location? YES  
Original Location: 240'FNL - 1020'FWL  
Topography: **PASTURE - 40' WEST OF SANTANA 1708 8H-29X**  
**- 20' WEST OF SANTANA 1708 7H-29X**

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: 8.7 miles Northwest of Kingfisher  
From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher County, Oklahoma.



SCALE 1" = 1000'



## 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.



*A.L. Morris* 08/13/2018

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:	SITE VISIT: (Explanation and Date)
18291	STAKING DATE: 07/17/2018
SHEET: 1 OF 10	DRAWING DATE: 07/26/2018

# 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: SANTANA 1708 6H-29X

Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

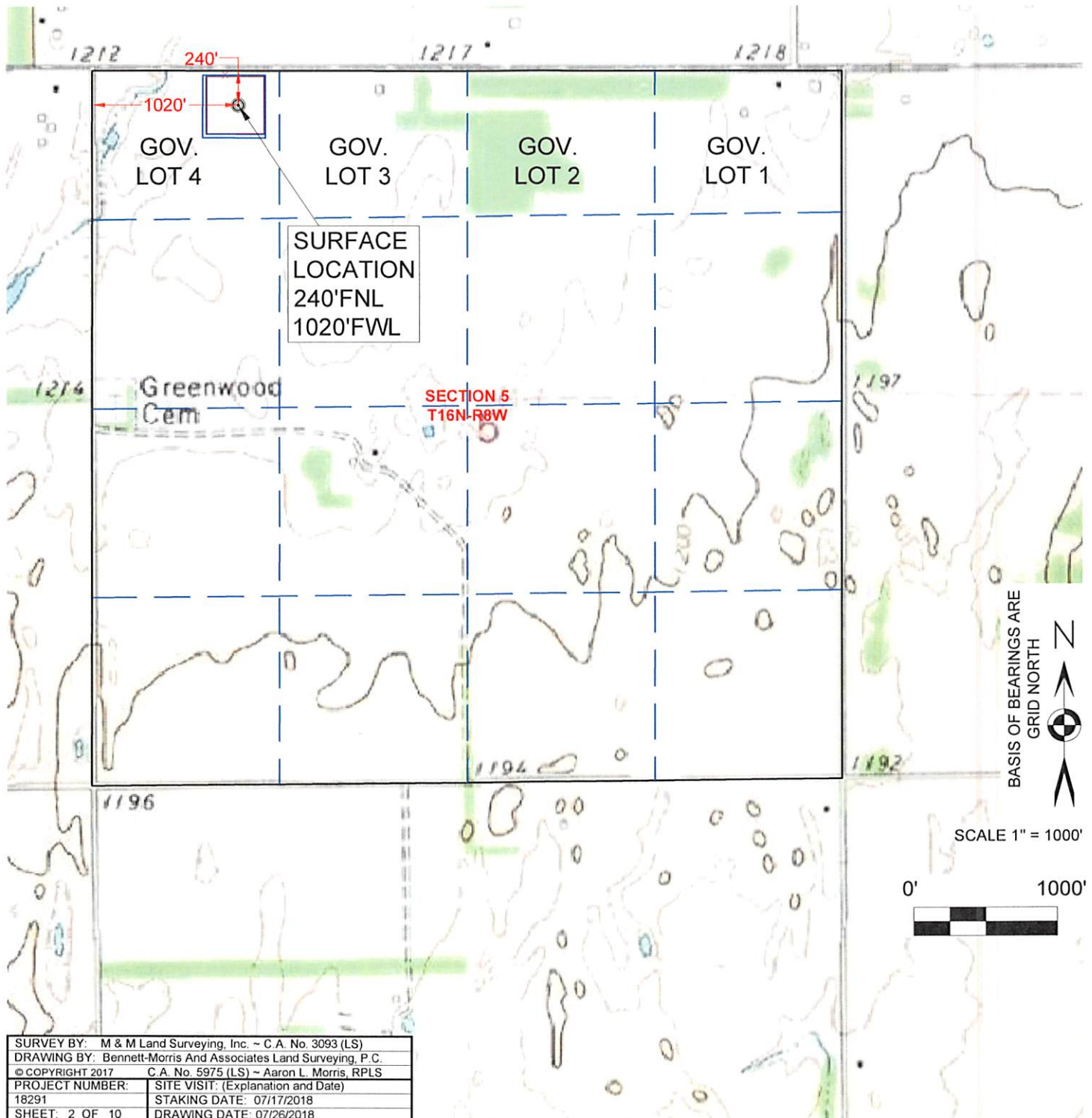
Original Location: 240'FNL - 1020'FWL Elevation 1210' Good Location? YES  
GROUND

Topography: PASTURE - 40' WEST OF SANTANA 1708 8H-29X  
- 20' WEST OF SANTANA 1708 7H-29X

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher

From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher County, Oklahoma.



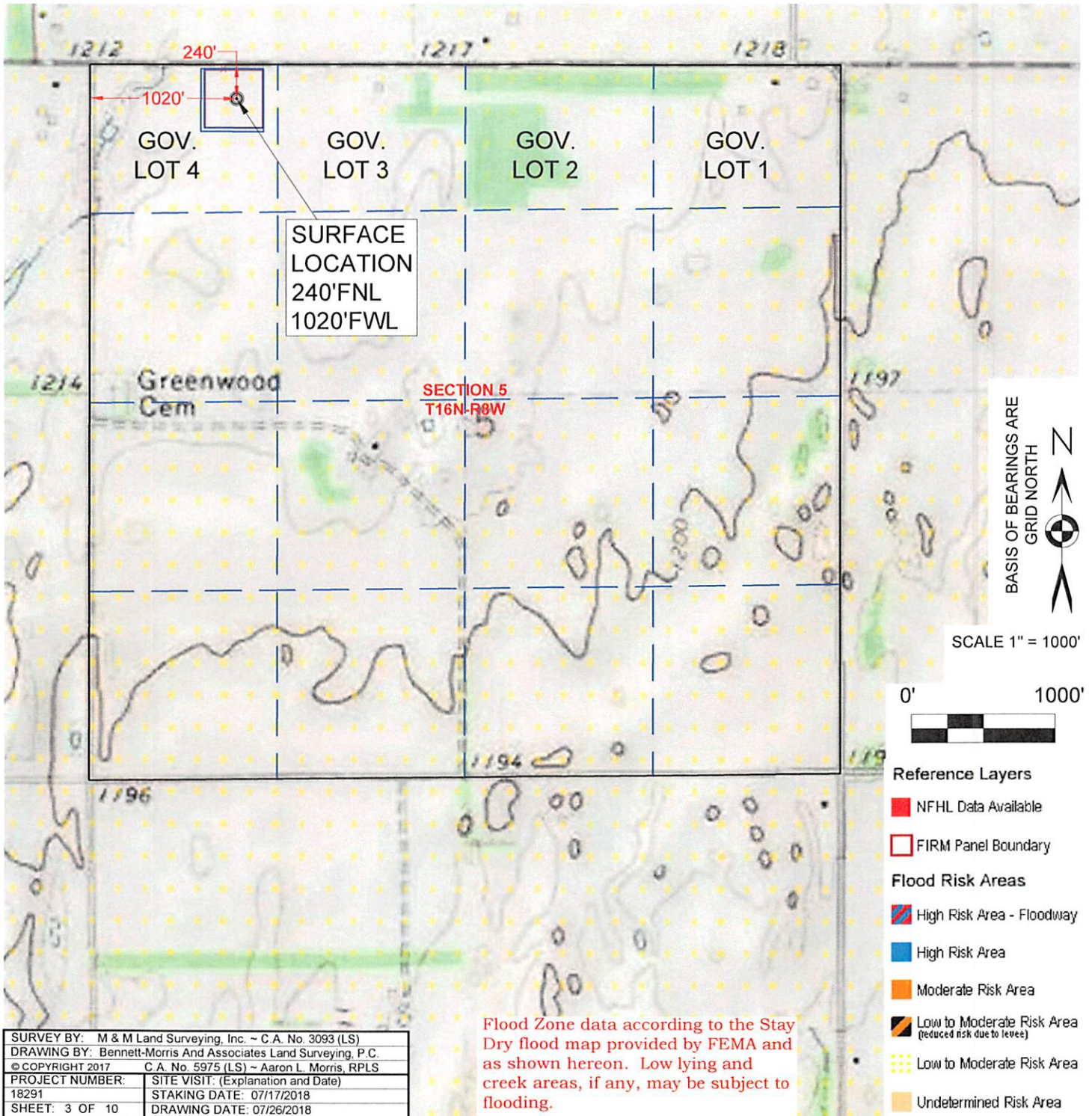


# FLOOD ELEVATION MAP

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: **SANTANA 1708 6H-29X**  
Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma  
Elevation Good Location?  
Original Location: 240'FNL - 1020'FWL 1210' GROUND YES  
Topography: PASTURE - 40' WEST OF SANTANA 1708 8H-29X  
- 20' WEST OF SANTANA 1708 7H-29X

Best Accessibility to Location: From the North  
Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher  
From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher County, Oklahoma.





# 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: SANTANA 1708 6H-29X

Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

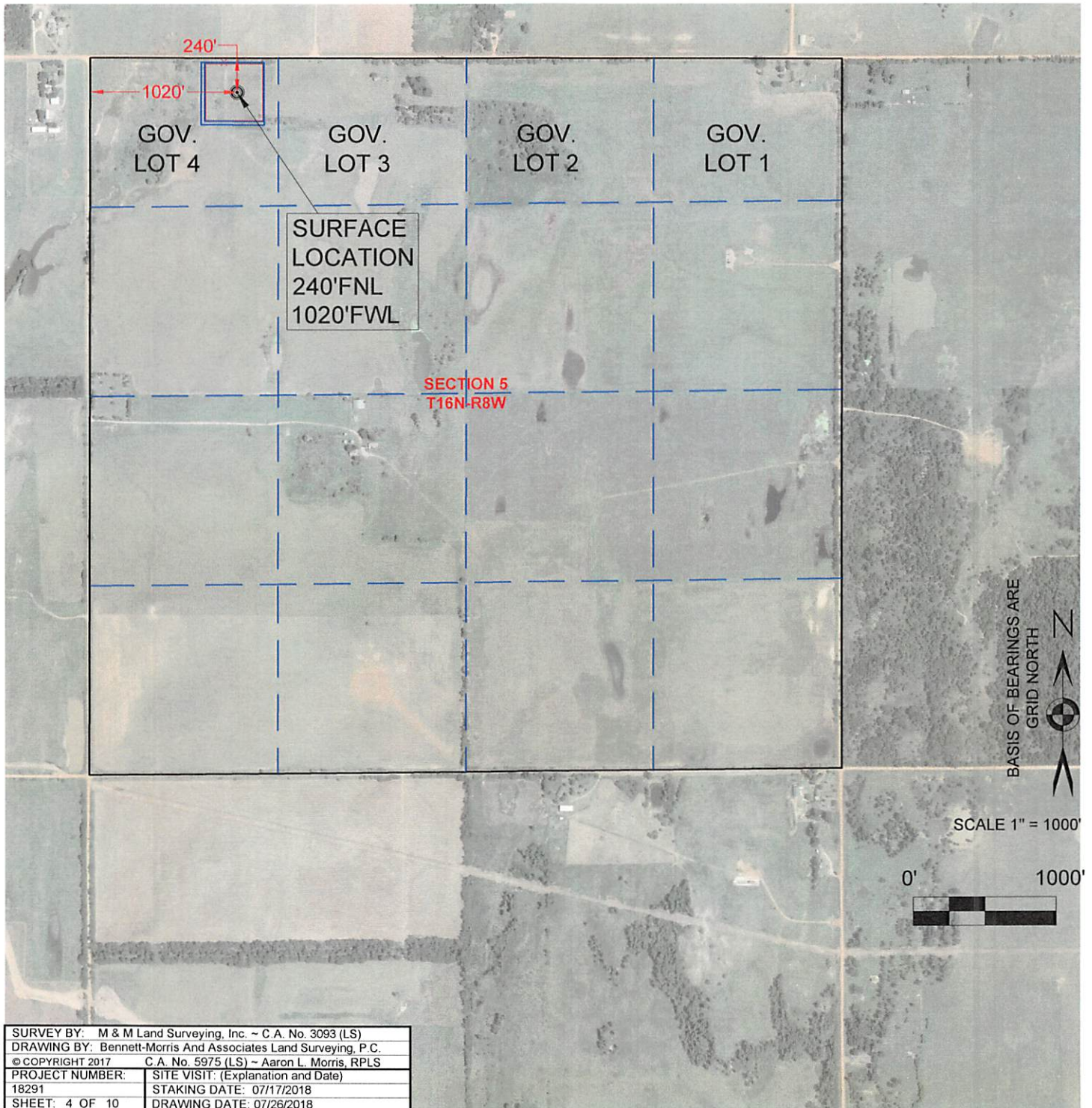
Original Location: 240'FNL - 1020'FWL Elevation 1210' Good Location? YES

Topography: PASTURE - 40' WEST OF SANTANA 1708 8H-29X  
- 20' WEST OF SANTANA 1708 7H-29X

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher

From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher County, Oklahoma.





# 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: SANTANA 1708 6H-29X

Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

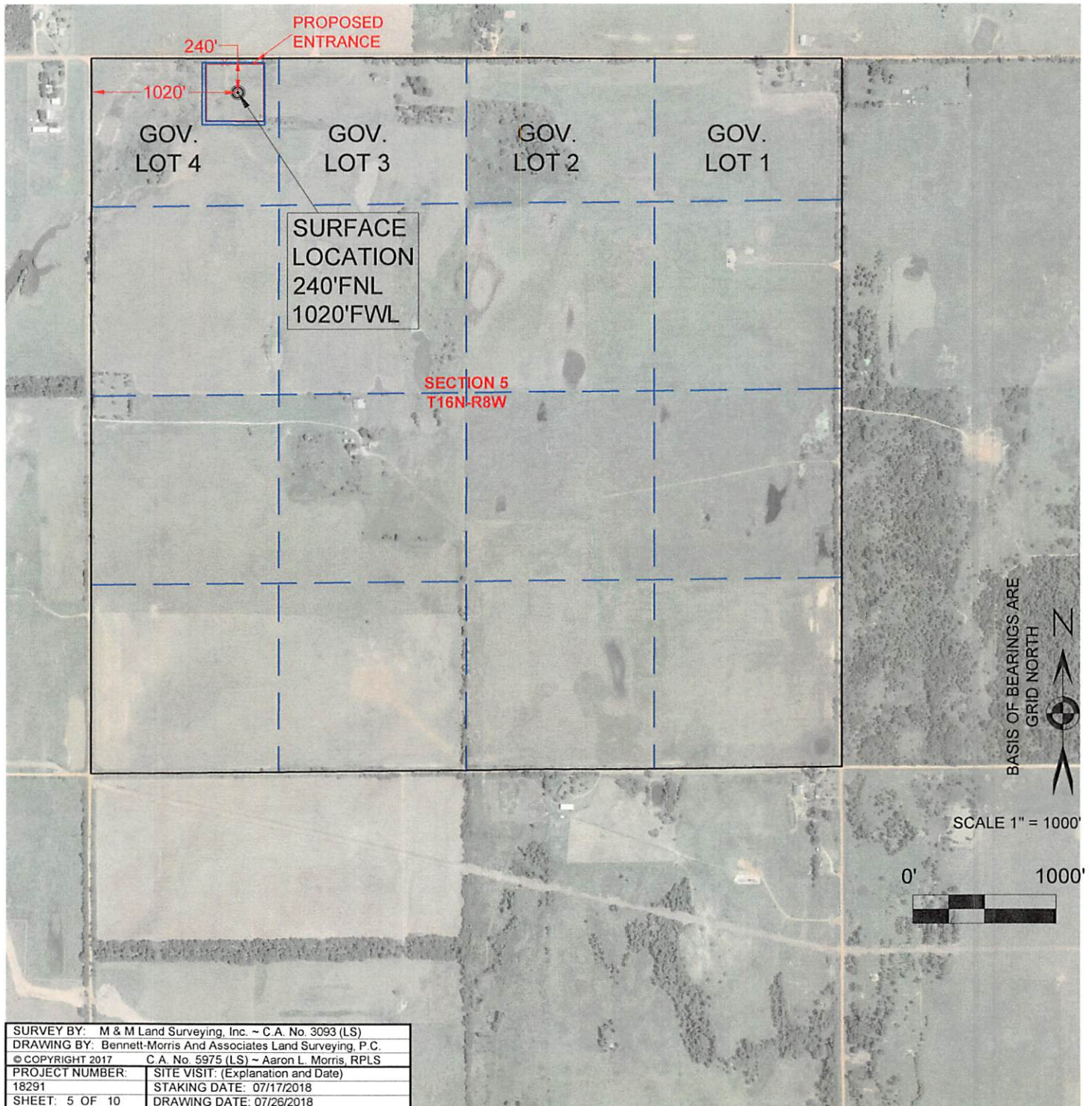
Original Location: 240'FNL - 1020'FWL Elevation 1210' Good Location? YES

Topography: PASTURE - 40' WEST OF SANTANA 1708 8H-29X  
- 20' WEST OF SANTANA 1708 7H-29X

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher

From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher 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: **SANTANA 1708 6H-29X**

Section 5 Township 16 N Range 8 W , I.B.M,  
County of Kingfisher, State of Oklahoma

Good Location? **YES**

Original Location: 240'FNL - 1020'FWL Elevation 1210' GROUND  
Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher

## SURFACE LOCATION

DATUM: NAD27

LAT: 35° 53' 52.09"N

LONG: 98° 04' 49.24"W

LAT: 35.897803°N

LONG: 98.080345°W

## STATE PLANE

COORDINATES: (US  
SURVEY FEET)

ZONE: **NORTH ZONE**

Y (N): 326816.72

X (E): 1976202.83

DATUM: NAD83

LAT: 35° 53' 52.24"N

LONG: 98° 04' 50.46"W

LAT: 35.897845°N

LONG: 98.080682°W

## STATE PLANE

COORDINATES: (US  
SURVEY FEET)

ZONE: **NORTH ZONE**

Y (N): 326840.43

X (E): 1944603.49

DATA DERIVED FROM

G.P.S. WITH O.P.U.S.

DATA.

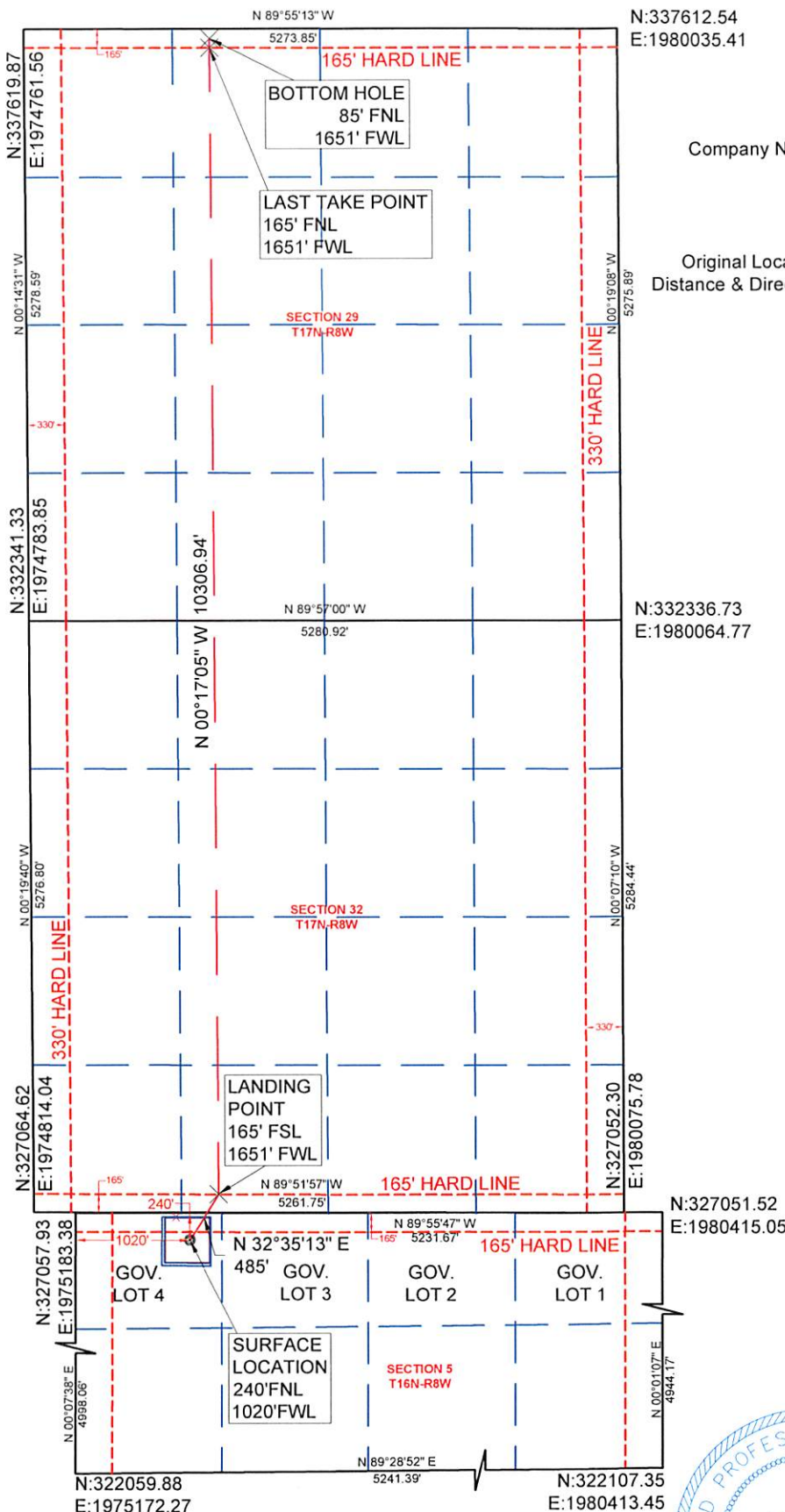
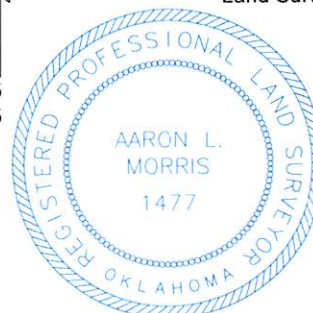
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

## 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.

*A.L. Morris* 08/13/2018

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: 18291	SITE VISIT: (Explanation and Date)
STAKING DATE: 07/17/2018	
DRAWING DATE: 07/26/2018	

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: SANTANA 1708 6H-29X

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:	SITE VISIT: (Explanation and Date)
18291	STAKING DATE: 07/17/2018
SHEET: 7 OF 10	DRAWING DATE: 07/26/2018

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)
SANTANA 1708 6H-29X	326840.43	1944603.49	35° 53' 53.24"N	98° 04' 50.46"W	35.897845°N	98.080682°W	3973008.29	582963.763	326816.72	1976202.83	35° 53' 53.09"N	98° 04' 49.24"W	3972803.821	582996.216
SANTANA 1708 6H-29X LANDING POINT	327249.49	1944864.89	35° 53' 56.29"N	98° 04' 47.28"W	35.898969°N	98.079801°W	3973133.747	583042.136	327225.77	1976464.23	35° 53' 56.14"N	98° 04' 46.07"W	3972929.278	583074.589
SANTANA 1708 6H-29X LAST TAKE POINT	337476.3	1944814.06	35° 55' 37.43"N	98° 04' 48.00"W	35.927063°N	98.080001°W	3976249.72	582994.729	337452.59	1976413.54	35° 55' 37.28"N	98° 04' 46.79"W	3976045.253	583027.226
SANTANA 1708 6H-29X BOTTOM HOLE	337556.3	1944813.66	35° 55' 38.22"N	98° 04' 48.01"W	35.927283°N	98.080003°W	3976274.095	582994.357	337532.59	1976413.15	35° 55' 38.07"N	98° 04' 46.79"W	3976069.628	583026.855
SANTANA 1708 7H-29X	326840.44	1944583.41	35° 53' 53.24"N	98° 04' 50.70"W	35.897844°N	98.080750°W	3973008.23	582957.645	326816.73	1976182.77	35° 53' 53.09"N	98° 04' 49.49"W	3972803.762	582990.097
SANTANA 1708 7H-29X LANDING POINT	327250.98	1944228.89	35° 53' 56.30"N	98° 04' 55.01"W	35.898971°N	98.081948°W	3973132.217	582848.341	327227.27	1975828.24	35° 53' 56.15"N	98° 04' 53.80"W	3972927.748	582880.797
SANTANA 1708 7H-29X LAST TAKE POINT	337477.19	1944178.06	35° 55' 37.43"N	98° 04' 55.74"W	35.927064°N	98.082149°W	3976248.006	582800.935	337453.48	1975777.56	35° 55' 37.28"N	98° 04' 54.52"W	3976043.54	582833.436
SANTANA 1708 7H-29X BOTTOM HOLE	337557.19	1944177.66	35° 55' 38.22"N	98° 04' 55.74"W	35.927284°N	98.082151°W	3976272.381	582800.563	337533.48	1975777.16	35° 55' 38.08"N	98° 04' 54.53"W	3976067.915	582833.065
SANTANA 1708 8H-29X	326840.36	1944563.43	35° 53' 53.24"N	98° 04' 50.94"W	35.897844°N	98.080818°W	3973008.144	582951.557	326816.65	1976162.77	35° 53' 53.09"N	98° 04' 49.73"W	3972803.675	582984.01
SANTANA 1708 8H-29X LANDING POINT	327252.46	1943593.89	35° 53' 56.31"N	98° 05' 02.73"W	35.898974°N	98.084092°W	3973130.686	582654.851	327228.75	1975193.25	35° 53' 56.16"N	98° 05' 01.52"W	3972926.218	582687.311
SANTANA 1708 8H-29X LAST TAKE POINT	337478.07	1943543.06	35° 55' 37.43"N	98° 05' 03.46"W	35.927065°N	98.084294°W	3976246.291	582607.446	337454.36	1975142.57	35° 55' 37.29"N	98° 05' 02.24"W	3976041.826	582639.951
SANTANA 1708 8H-29X BOTTOM HOLE	337558.07	1943542.66	35° 55' 38.23"N	98° 05' 03.46"W	35.927285°N	98.084295°W	3976270.666	582607.075	337534.36	1975142.17	35° 55' 38.08"N	98° 05' 02.25"W	3976066.201	582639.579



## 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: **SANTANA 1708 6H-29X**

Section 5 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma  
Elevation Good Location?

Original Location: 240'FNL - 1020'FWL 1210' GROUND YES

Topography: PASTURE - 40' WEST OF SANTANA 1708 8H-29X  
- 20' WEST OF SANTANA 1708 7H-29X

WGS 84 LATITUDE AND LONGITUDE:

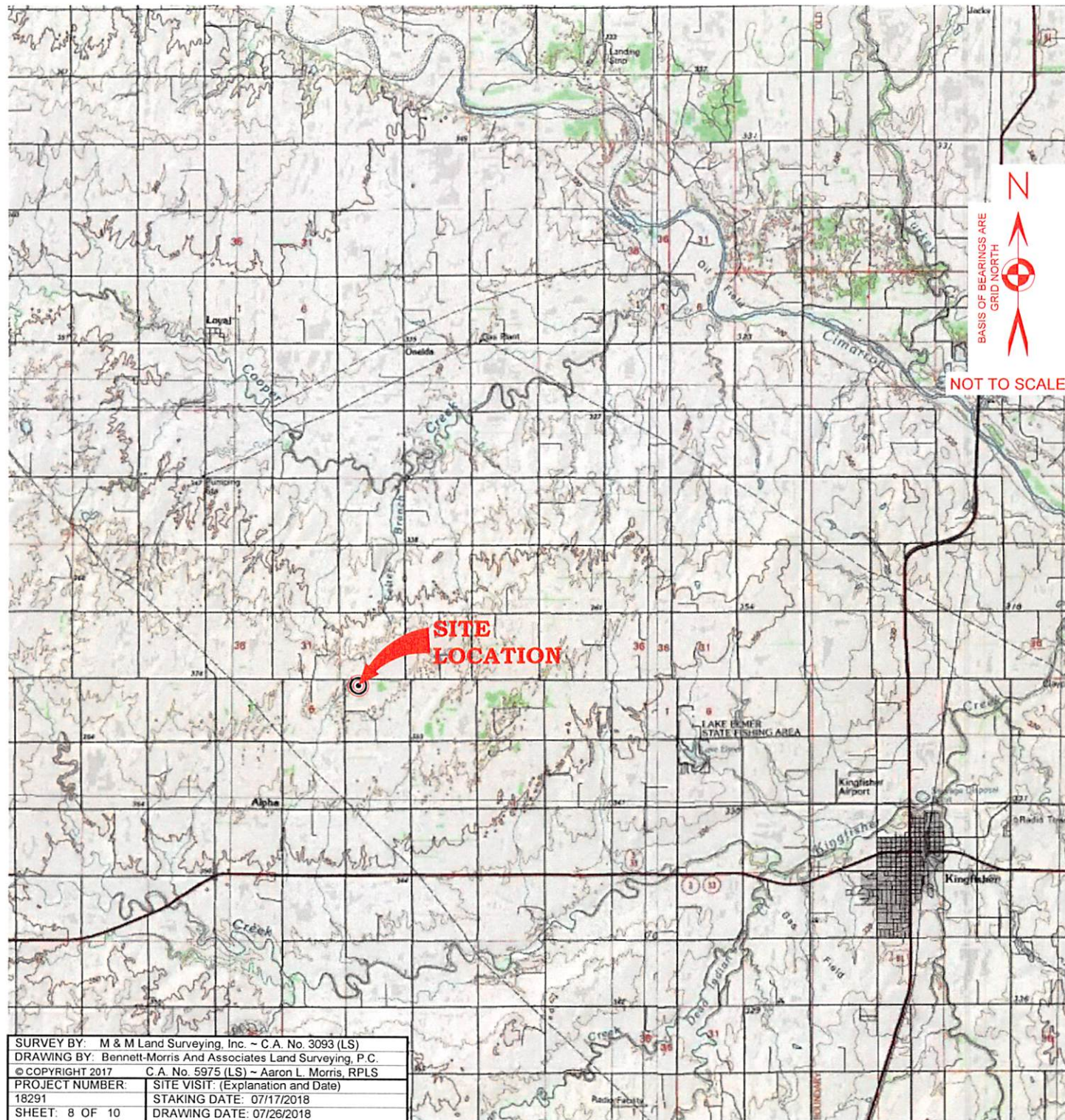
LAT: 35.897845°N

LONG: 98.080682°W

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 8.7 miles Northwest of Kingfisher

From the town of Kingfisher and the intersection of U.S. Highway No. 81 (North Main Street) and State Highway No. 33 (West Broadway Avenue); Go West 7.7 miles on S.H. No. 33 (West Broadway Avenue); Then go North 2.9 miles on County Road N2770; Then go West 0.8 mile on County Road E0770 (Beebe Road) to location in SECTION 5-T16N-R8W, I.B.M., Kingfisher County, Oklahoma.

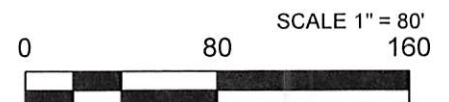
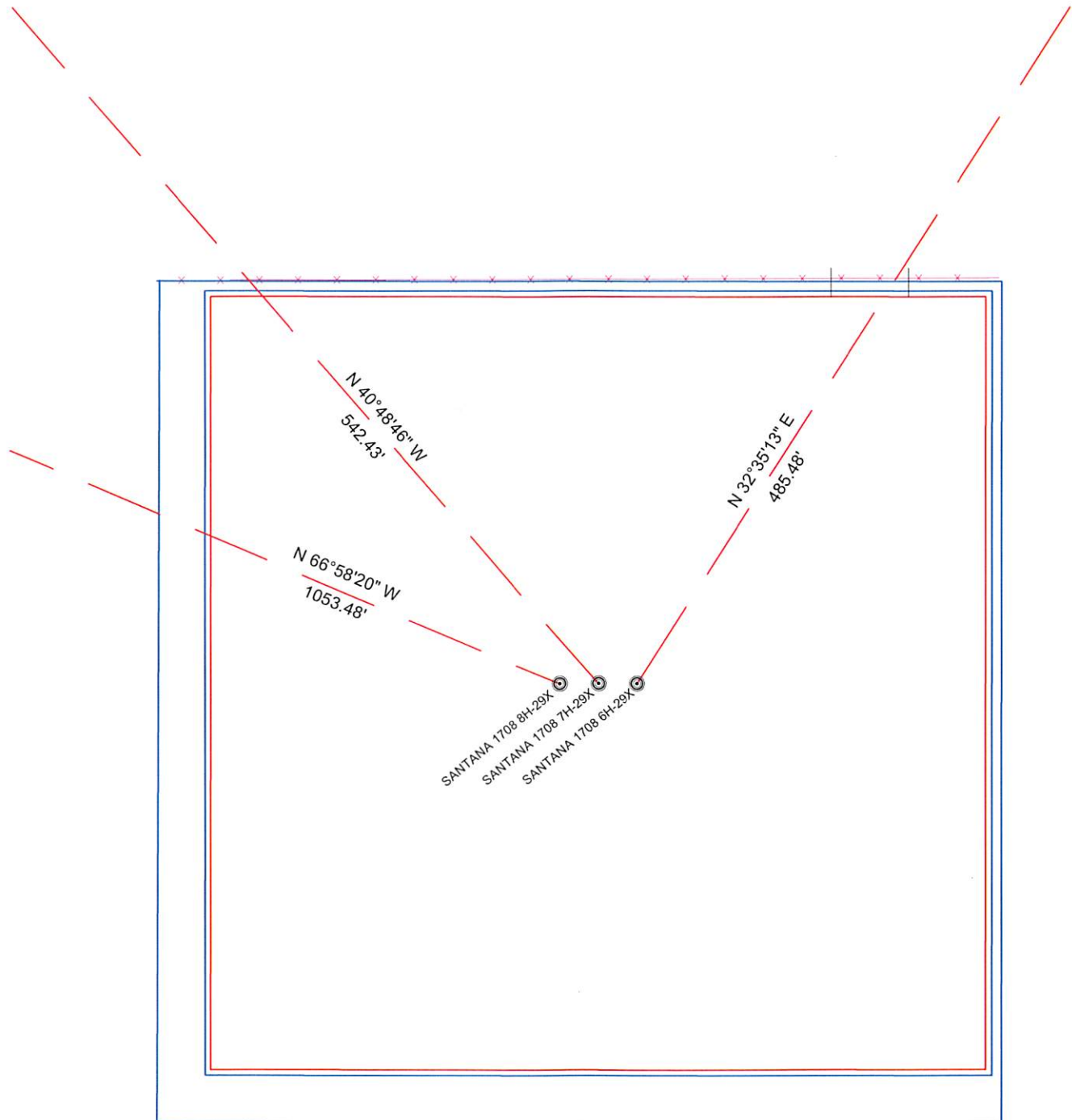




# WELL PAD INTERFERENCE PLAT

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: SANTANA 1708 6H-29X  
Section 5 Township 16 N Range 8 W , I.B.M, County of Kingfisher, State of Oklahoma



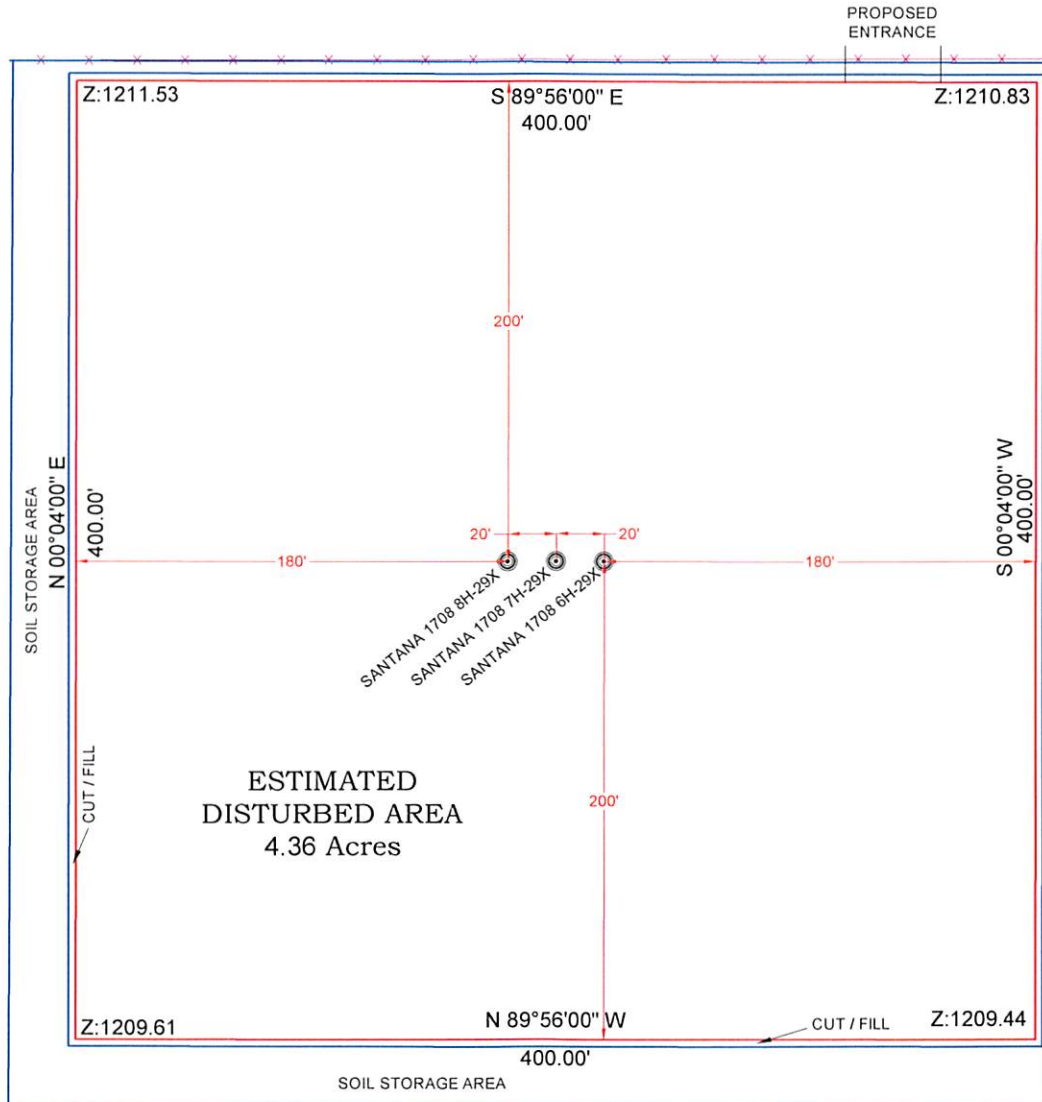
SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18291	SITE VISIT: (Explanation and Date)
STAKING DATE: 07/17/2018	
DRAWING DATE: 07/26/2018	



# 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: **SANTANA 1708 6H-29X**  
Section 5 Township 16 N Range 8 W , I.B.M, County of Kingfisher, State of Oklahoma



ELEVATIONS SHOWN ARE DERIVED FROM  
AN OPUS OBSERVATION AND ARE IN U.S.  
SURVEY FEET NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD88).

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: 18291	SITE VISIT: (Explanation and Date)
SHEET: 10 OF 10	STAKING DATE: 07/17/2018
	DRAWING DATE: 07/26/2018

