

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

API NUMBER: 017 25371

Approval Date: 01/16/2019

Expiration Date: 07/16/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 270 1310

Lease Name: TATER 27-34-11-6

Well No: 4WXH

Well will be 270 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC

Telephone: 4058968453

OTC/OCC Number: 24127 0

ROAN RESOURCES LLC
14701 HERTZ QUAIL SPRINGS PKWY
OKLAHOMA CITY, OK 73134-2641

BETTY JEAN REVOCABLE TRUST
16145 SW 59TH STREET
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 WOODFORD	9164	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 654420

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808627
201808634
201808635
201808638
201808639

Special Orders:

Total Depth: 19724

Ground Elevation: 1378

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35613

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 34 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 1900

Depth of Deviation: 8645

Radius of Turn: 477

Direction: 181

Total Length: 10330

Measured Total Depth: 19724

True Vertical Depth: 9164

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

11/2/2018 - 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

11/2/2018 - 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

MEMO

11/2/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808617

1/15/2019 - G58 - (640)(HOR) 24-11N-6W
VAC 667592 WDFD
EST WDFD, OTHER
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 11/13/2018 (JACKSON)

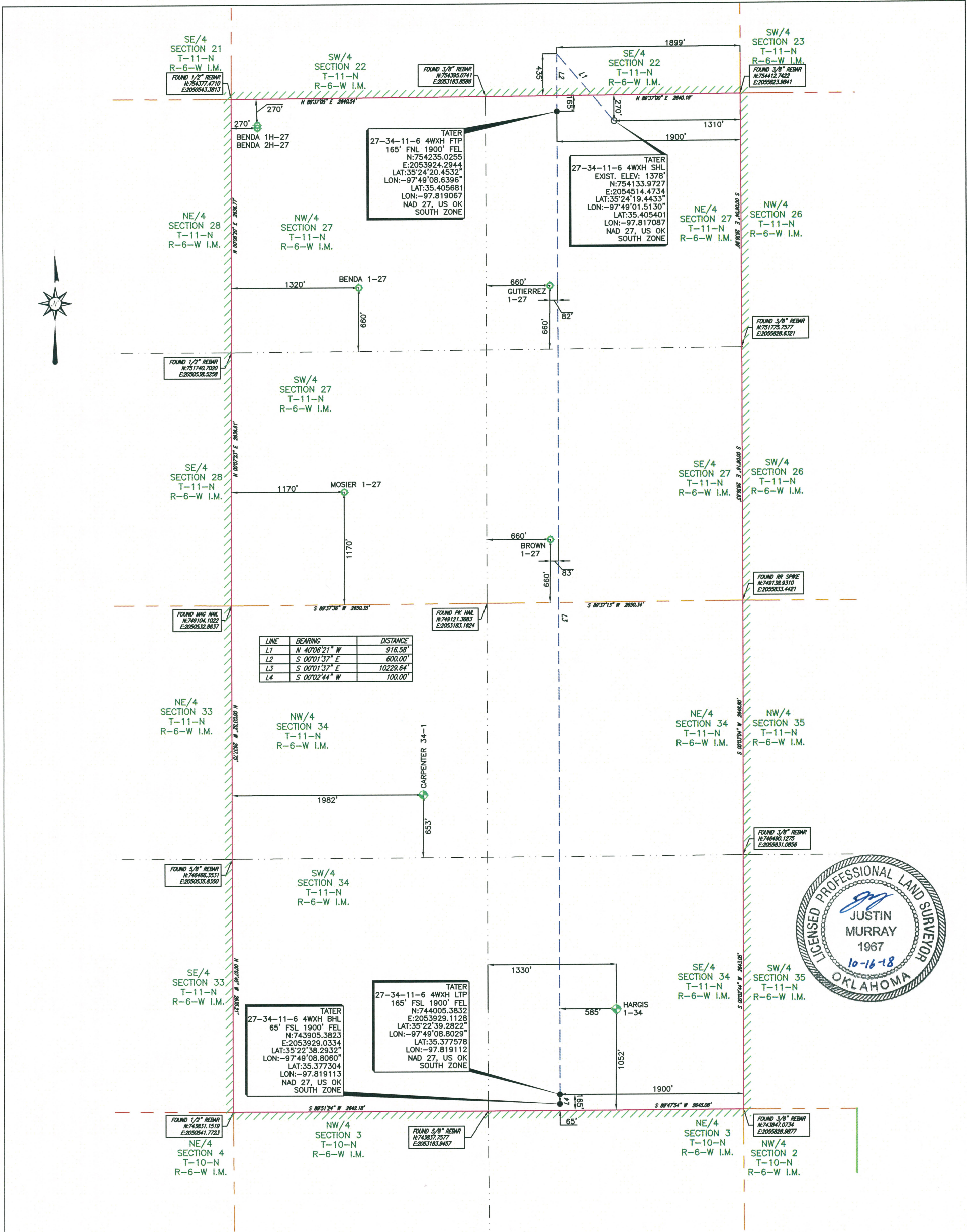
This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

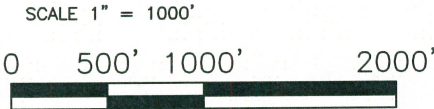
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

017 25371 TATER 27-34-11-6 4WXH

Category	Description
PENDING CD - 201808634	1/15/2019 - G58 - (I.O.) 27 & 34-11N-6W EST MULTIUNIT HORIZONTAL WELL X654420 WDFD 27-11N-6W X201808617 WDFD 34-11N-6W 50% 27-11N-6W 50% 34-11N-6W NO OP. NAMED REC 11/13/2018 (JACKSON)
PENDING CD - 201808635	1/15/2019 - G58 - (I.O.) 27 & 34-11N-6W X654420 WDFD 27-11N-6W X201808617 WDFD 34-11N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELL COMPL. INT. 27-11N-6W NCT 270' FNL**, NCT 0' FSL, NCT 1310' FEL COMPL. INT. 34-11N-6W NCT 0' FNL, NCT 165' FSL, NCT 1310' FEL NO OP. NAMED REC 11/13/2018 (JACKSON)
	**AMENDED TO 165' FNL AT HEARING PER ATTORNEY FOR OP.
PENDING CD - 201808638	1/15/2019 - G58 - 27-11N-6W X654420 WDFD 5 WELLS NO OP. NAMED REC 11/13/2018 (JACKSON)
PENDING CD - 201808639	1/15/2019 - G58 - 34-11N-6W X201808617 WDFD 4 WELLS NO OP. NAMED REC 11/13/2018 (JACKSON)
SPACING - 654420	1/15/2019 - G58 - (640)(HOR) 27-11N-6W EST WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 274674 WDFD)



LINE	BEARING	DISTANCE
L1	N 40°06'21" W	916.58'
L2	S 00°01'37" E	600.00'
L3	S 00°01'37" E	10229.64'
L4	S 00°02'44" W	100.00'



INTERNAL PLAT OF
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 5.33 MILES N 79°51'38" W
OF MUSTANG OKLAHOMA.

FILE: S:\OK\GRADY\PROJECTS\T11N-ROB\DWG\

LEGEND

● POINT
⊕ EXISTING WELLHEAD
○ PROPOSED WELL LOCATION SET
○ SURFACE LOCATION OBTAINED FROM OCC

SHL SURFACE HOLE LOCATION
PP PENETRATION POINT
FTP FIRST TAKE POINT
LTP LAST TAKE POINT
BHL BOTTOM HOLE LOCATION
OCC OKLAHOMA CORPORATION COMMISSION

AS-DRILLED LATERAL
SUBJECT PROPOSED LATERAL
PROPOSED LATERAL
LEASE LINE
SURVEY LINE

ORIGINAL STAKE DATE: 09/17/18
ADDED LATERAL: 10/09/18
CHANGED WELL NAME: 10/16/18

REV: 1	AFE NO.: -	JOB NO.: 18-0271
FIELD BOOK: SERVER	VER: 1	DRAWN BY: LLF

NOTE:
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, NAD 27 US OK SOUTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.
2. ELEVATIONS ARE BASED ON NAVD 88 COMPUTED USING GEOID 12B.
3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
4. LOCATION OF ADJOINING WELLS BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
5. DOWNHOLE INFORMATION PROVIDED BY THE CLIENT.
6. THIS SURVEY COMPLES WITH THE US PUBLIC LAND SURVEY SYSTEM AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, EFFECTIVE JULY 25, 2013.
7. THIS IS NOT A BOUNDARY SURVEY

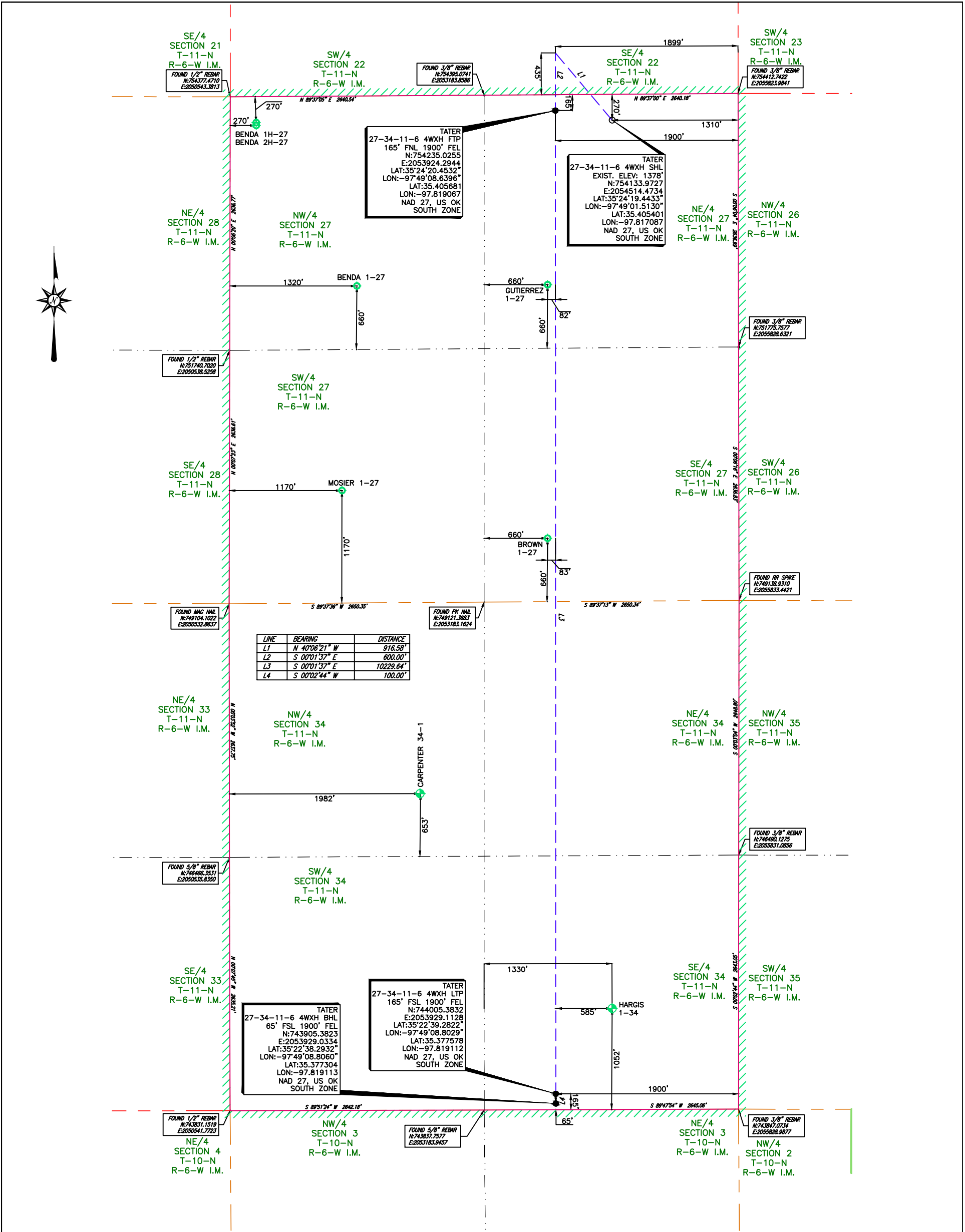
I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

10/16/18

SHEET 1 OF 5

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. LORAIN, STE. 220
MIDLAND, TEXAS 79701
OFF: (432) 520-2400
FAX: (432) 520-2404
TXLS FIRM #101173-00

CA#5957 EXPIRATION 6-30-2019
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400



INTERNAL PLAT OF
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 5.33 MILES N 79°51'38" W
OF MUSTANG OKLAHOMA.

FILE: S:\OK\GRADY\PROJECTS\T11N-R06W\DWG\

LEGEND

SHL SURFACE HOLE LOCATION
PP PENETRATION POINT
FTP FIRST TAKE POINT
LTP LAST TAKE POINT
BHL BOTTOM HOLE LOCATION
OCC OKLAHOMA CORPORATION COMMISSION

POINT
EXISTING WELLHEAD
PROPOSED WELL LOCATION SET
SURFACE LOCATION OBTAINED FROM OCC

AS-DRILLED LATERAL
SUBJECT PROPOSED LATERAL
PROPOSED LATERAL
LEASE LINE
SURVEY LINE

ORIGINAL STAKE DATE: 09/17/18
ADDED LATERAL: 10/09/18
CHANGED WELL NAME: 10/16/18

REV: 1 AFE NO.: - JOB NO.: 18-0271
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

NOTE:
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, NAD 27 US OK SOUTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.
2. ELEVATIONS ARE BASED ON NAVD 88 COMPUTED USING GEOID 12B.
3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
4. LOCATION OF ADJOINING WELLS OUTSIDE LEASE BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
5. DOWNHOLE INFORMATION PROVIDED BY THE CLIENT.
6. THIS SURVEY COMPLIES WITH THE US PUBLIC LAND SURVEY SYSTEM AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, EFFECTIVE JULY 25, 2013.
7. THIS IS NOT A BOUNDARY SURVEY

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR

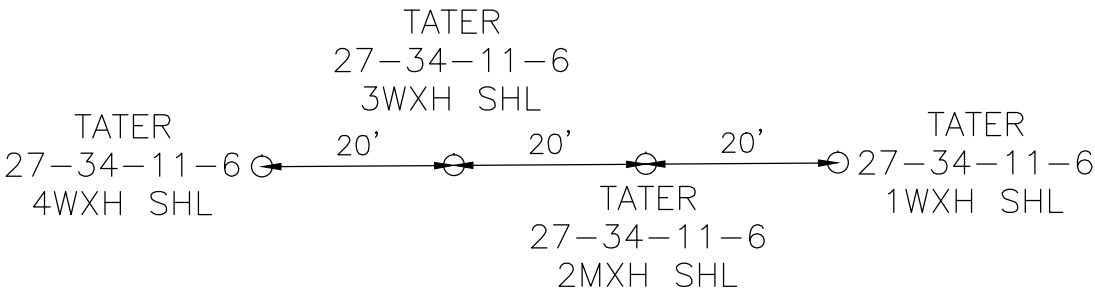
John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. Loraine, Ste. 220
Midland, Texas 79701
off. (432) 520-2400
fax. (432) 520-2404

TX LS FIRM #101173-00

CA#5957 EXPIRATION 6-30-2019
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400

10/16/18

SHEET 1 OF 5



STATE PLANE, NAD 27, US OK SOUTH ZONE, NAVD 88 DATUM					GEOGRAPHIC, NAD 27, US OK SOUTH ZONE, NAVD 88 DATUM			
WELL NAME	NORTHING	EASTING	EXIST. ELEV.	AS-BUILT PAD ELEV.	WELL NAME	NORTH LATITUDE	WEST LONGITUDE	EXIST. ELEV.
SKYWALKER 34-27-11-6 1MXH	744070.50	2052281.24	1278	N/A	SKYWALKER 34-27-11-6 1MXH	35°22'39.9549"	97°49'28.6997"	1278
SKYWALKER 34-27-11-6 2WXH	744070.55	2052301.24	1278	N/A	SKYWALKER 34-27-11-6 2WXH	35°22'39.9551"	97°49'28.4582"	1278
SKYWALKER 34-27-11-6 3WXH	744070.60	2052321.24	1278	N/A	SKYWALKER 34-27-11-6 3WXH	35°22'39.9552"	97°49'28.2166"	1278
SKYWALKER 34-27-11-6 4MXH	744070.65	2052341.24	1278	N/A	SKYWALKER 34-27-11-6 4MXH	35°22'39.9554"	97°49'27.9751"	1278
TATER 27-34-11-6 1WXH	754134.37	2054574.47	1378	N/A	TATER 27-34-11-6 1WXH	35°24'19.4462"	97°49'00.7883"	1378
TATER 27-34-11-6 2MXH	754134.24	2054554.47	1378	N/A	TATER 27-34-11-6 2MXH	35°24'19.4452"	97°49'01.0298"	1378
TATER 27-34-11-6 3WXH	754134.11	2054534.47	1378	N/A	TATER 27-34-11-6 3WXH	35°24'19.4442"	97°49'01.2714"	1378
TATER 27-34-11-6 4WXH	754133.97	2054514.47	1378	N/A	TATER 27-34-11-6 4WXH	35°24'19.4433"	97°49'01.5130"	1378
BENDA 1H-27	754109.26	2050812.89	0	N/A	BENDA 1H-27	35°24'19.2630"	97°49'46.2253"	0
BENDA 2H-27	754079.26	2050812.83	0	N/A	BENDA 2H-27	35°24'18.9663"	97°49'46.2266"	0
BENDA 1-27	752409.47	2051859.76	0	N/A	BENDA 1-27	35°24'02.4345"	97°49'33.6155"	0
GUTIERREZ 1-27	752422.62	2053843.60	0	N/A	GUTIERREZ 1-27	35°24'02.5300"	97°49'09.6536"	0
MOSIER 1-27	750281.77	2051705.40	0	N/A	MOSIER 1-27	35°23'41.3942"	97°49'35.5241"	0
BROWN 1-27	749785.76	2053843.25	0	N/A	BROWN 1-27	35°23'36.4516"	97°49'09.7148"	0
CARPENTER 34-1	747128.32	2052517.23	1291	N/A	CARPENTER 34-1	35°23'10.1928"	97°49'25.7856"	1291
HARGIS 1-34	744894.15	2054513.81	1292	N/A	HARGIS 1-34	35°22'48.0617"	97°49'01.7231"	1292

EXISTING AND PROPOSED WELLHEAD LOCATIONS

DETAIL A
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA

FILE: S:\OK\GRADY\PROJECTS\T11N-R06W\DWG\

LEGEND

SHL

SURFACE HOLE LOCATION

PP

PENETRATION POINT

FTP

FIRST TAKE POINT

LTP

LAST TAKE POINT

BHL

BOTTOM HOLE LOCATION

OCC

OKLAHOMA CORPORATION COMMISSION

POINT

EXISTING WELLHEAD

PROPOSED WELL LOCATION SET

SURFACE LOCATION OBTAINED FROM OCC

AS-DRILLED LATERAL

SUBJECT PROPOSED LATERAL

PROPOSED LATERAL

LEASE LINE

SURVEY LINE

ORIGINAL STAKE DATE: 09/17/18

ADDED LATERAL: 10/09/18

CHANGED WELL NAME: 10/16/18

0

10'

20'

40'

John F. Watson & Company

LAND & DEVELOPMENT SERVICES

PROFESSIONAL LAND SURVEYORS

200 N. Loraine, Ste. 220

Midland, Texas 79701

off. (432) 520-2400

fax. (432) 520-2404

TX LS FIRM #101173-00

CA#5957 EXPIRATION 6-30-2019

200 N LORAIN #220

MIDLAND, TX 79701

(432) 520-2400

REV: 1

A/E NO.: -

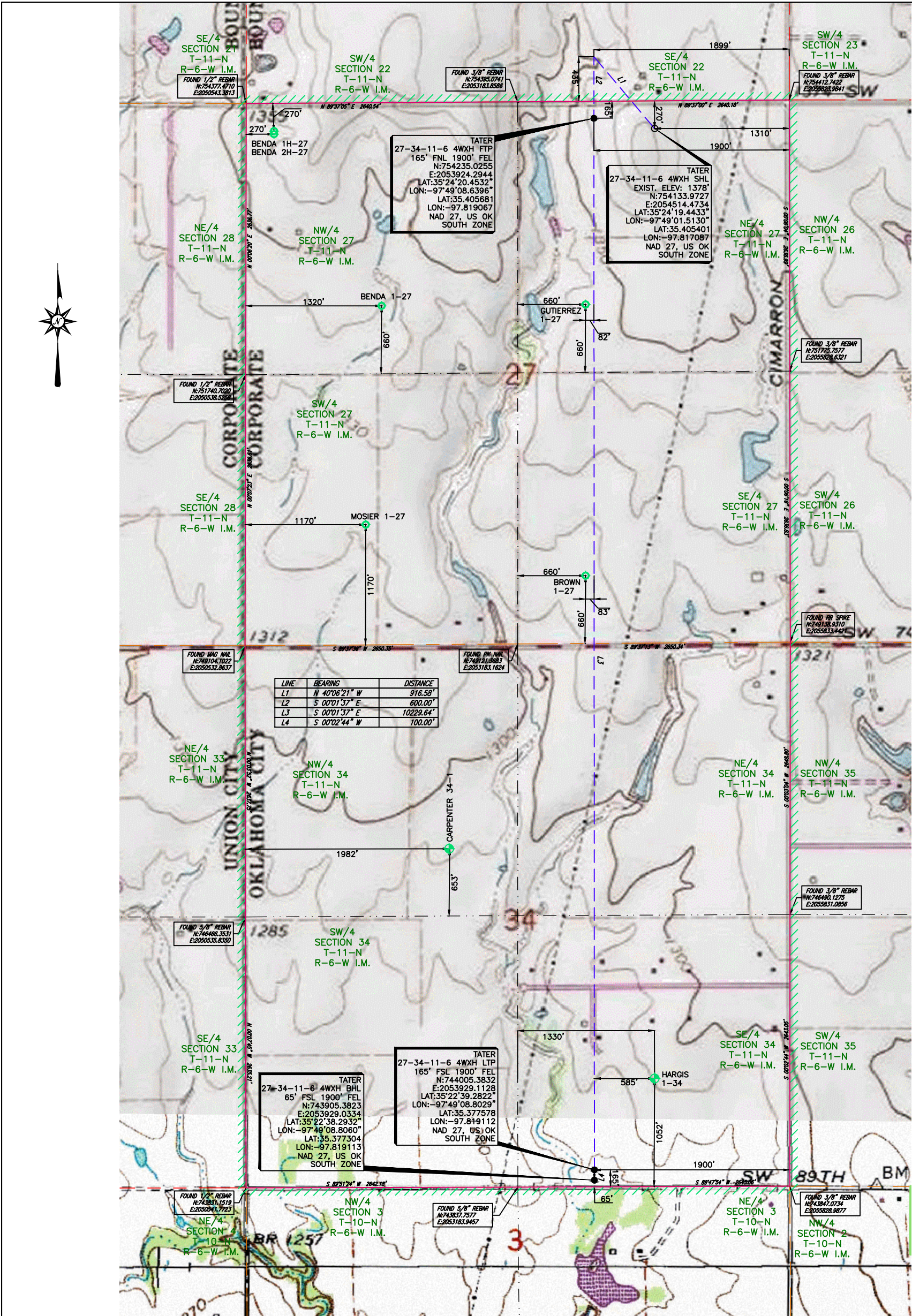
JOB NO.: 18-0271

FIELD BOOK: SERVER

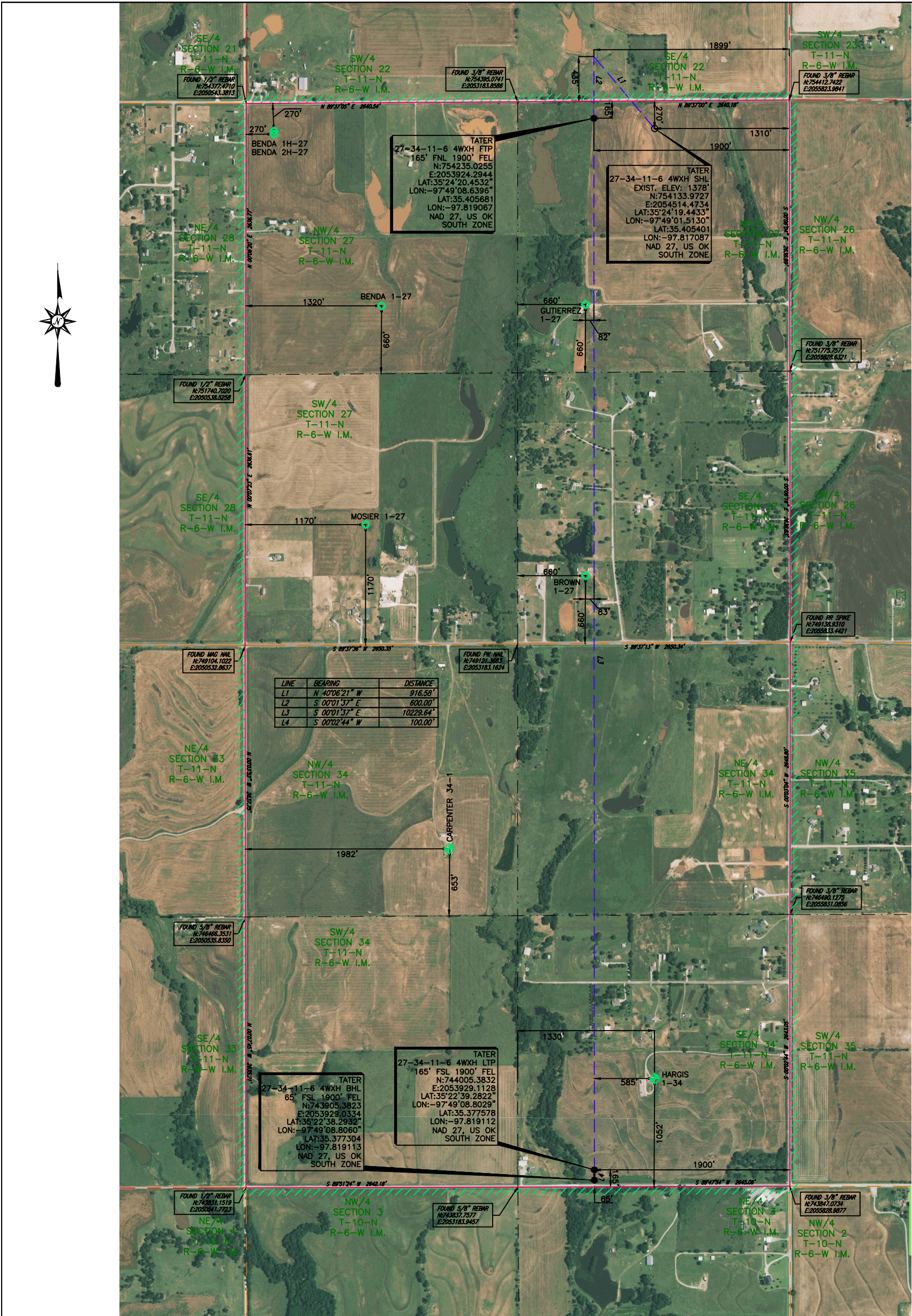
VER: 1

DRAWN BY: LLF

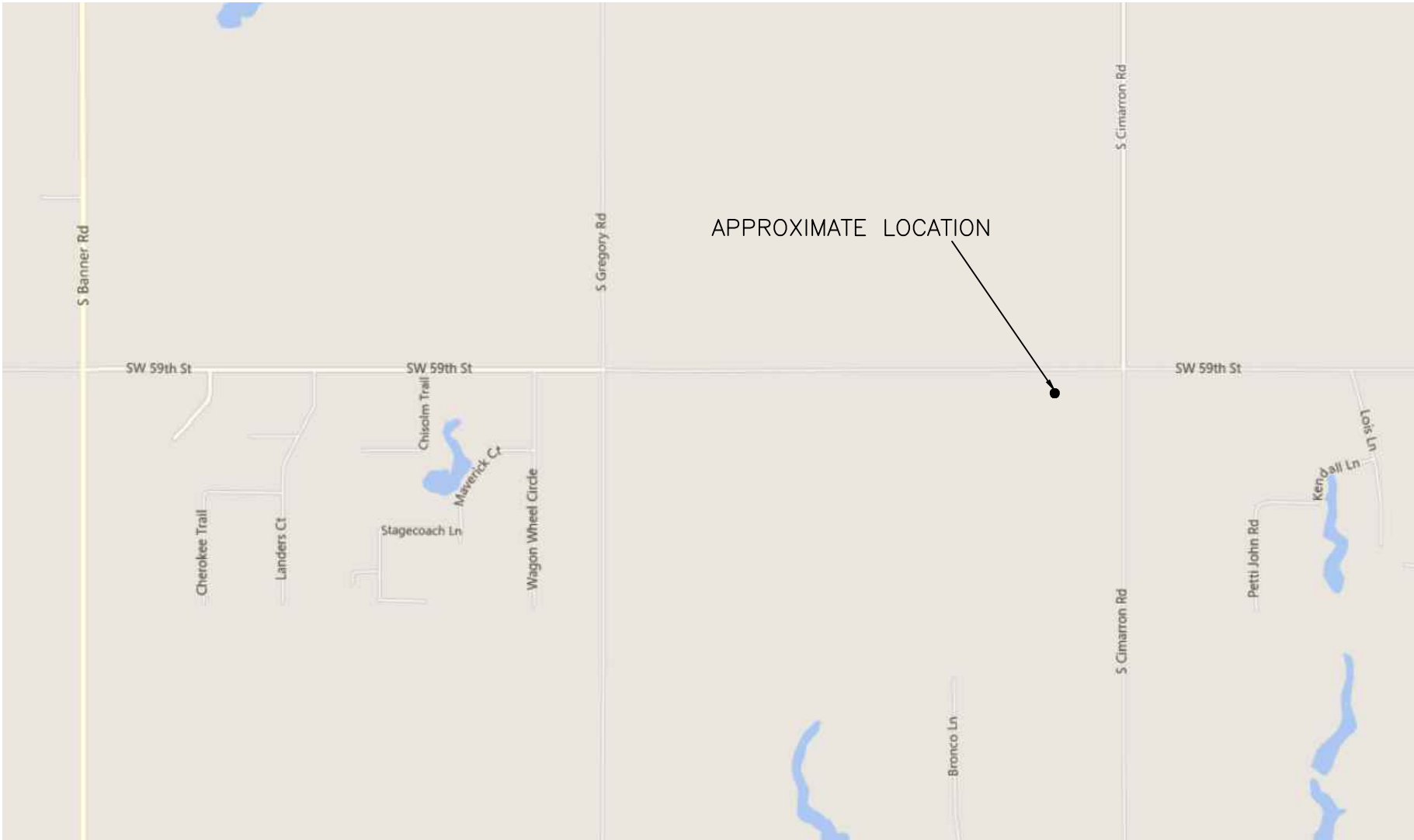
SHEET 2 OF 5



TOPOGRAPHIC MAP OF
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA



AERIAL MAP OF
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA



VICINITY MAP
ROAN RESOURCES, LLC.
TATER 27-34-11-6 4WXH
270' FNL 1310' FEL OF SECTION 27
MINCO FIELD
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 270' FNL 1310' FEL
CANADIAN COUNTY, OKLAHOMA

FILE: S:\OK\GRADY\PROJECTS\T11N-R06W\DWG\

LEGEND SHL SURFACE HOLE LOCATION PP PENETRATION POINT FTP FIRST TAKE POINT LTP LAST TAKE POINT BHL BOTTOM HOLE LOCATION OCC OKLAHOMA CORPORATION COMMISSION		POINT EXISTING WELLHEAD PROPOSED WELL LOCATION SET SURFACE LOCATION OBTAINED FROM OCC	AS-DRILLED LATERAL SUBJECT PROPOSED LATERAL PROPOSED LATERAL LEASE LINE SURVEY LINE	ORIGINAL STAKE DATE: 09/17/18 ADDED LATERAL: 10/09/18 CHANGED WELL NAME: 10/16/18	NOT TO SCALE
John F. Watson & Company LAND & DEVELOPMENT SERVICES PROFESSIONAL LAND SURVEYORS 200 N. Loraine, Ste. 220 Midland, Texas 79701 off. (432) 520-2400 fax. (432) 520-2404 TX LS FIRM #101173-00		CA#5957 EXPIRATION 6-30-2019 200 N LORAIN #220 MIDLAND, TX 79701 (432) 520-2400		REV: 1 AFE NO.: - JOB NO.: 18-0271	
		FIELD BOOK: SERVER	VER: 1	DRAWN BY: LLF	

NOTE: VICINITY MAP PROVIDED BY BING MAPS AT BING.COM