

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

API NUMBER: 045 23818

Approval Date: 11/01/2019
Expiration Date: 05/01/2021

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 17N Rge: 23W County: ELLIS
SPOT LOCATION: SE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 427 380

Lease Name: SPOONBILL 20X17-17-23 Well No: 1HA Well will be 380 feet from nearest unit or lease boundary.
Operator Name: FOURPOINT ENERGY LLC Telephone: 3032900990 OTC/OCC Number: 23429 0

FOURPOINT ENERGY LLC
100 SAINT PAUL ST STE 400
DENVER, CO 80206-5140

CRIPPLE BEAR
1955 CYPRESS RIDGE TERRACE, UNIT 1012
LEESBURG VA 20176

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

	Name	Depth	Name	Depth
1	CLEVELAND	9410	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 704039 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201904375 Special Orders:
201904374

Total Depth: 20261 Ground Elevation: 2334 **Surface Casing: 830** Depth to base of Treatable Water-Bearing FM: 680

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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 BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37045
H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 17 Twp 17N Rge 23W County ELLIS

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 10

Feet From: WEST 1/4 Section Line: 1025

Depth of Deviation: 9303

Radius of Turn: 491

Direction: 5

Total Length: 10186

Measured Total Depth: 20261

True Vertical Depth: 9657

End Point Location from Lease,
Unit, or Property Line: 10

Notes:

Category

Description

HYDRAULIC FRACTURING

10/22/2019 - GC2 - 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

10/22/2019 - GC2 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201904374

11/1/2019 - GB1 - (I.O.) 17 & 20-17N-23W
EST MULTIUNIT HORIZONTAL WELL
X704039 CLVD
50% 17-17N-23W
50% 20-17N-23W
NO OP. NAMED
REC. 9/30/2019 (JOHNSON)

PENDING CD - 201904375

11/1/2019 - GB1 - (I.O.) 17 & 20-17N-23W
X704039 CLVD
COMPL. INT. (20-17N-23W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL
COMPL. INT. (17-17N-23W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL
NO OP. NAMED
REC. 9/30/2019 (JOHNSON)

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PROPOSED NEW WELL LOCATION PLAT

COMPANY FOURPOINT ENERGY, LLC LEASE SPOONBILL 20X17-17-23 WELL NO. 1HA
 SECTION 29 TOWNSHIP 17-N RANGE 23-WIM LOCATION 427' FNL 380' FWL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION SANDHILLS
 LATITUDE 35°55'30.58" LONGITUDE -99°40'56.52" NAD83 ELEVATION 2334' NAVD88 DATE STAKED 2/5/19
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.5 MILES SOUTHEAST OF ARNETT, OKLAHOMA

BOTTOM HOLE LOCATION
 10' FNL & 1025' FWL
 OF SECTION 17

NAD27:
 X = 1,502,699
 Y = 351,990
 35°57'18.59"
 -99°40'49.12"
 35.9551639°
 -99.6803111°
 NAD83:
 X = 1,471,096
 Y = 352,018
 35°57'18.76"
 -99°40'50.52"
 35.9552111°
 -99.6807000°

LAST TAKE POINT
 165' FNL & 1025' FWL
 OF SECTION 17

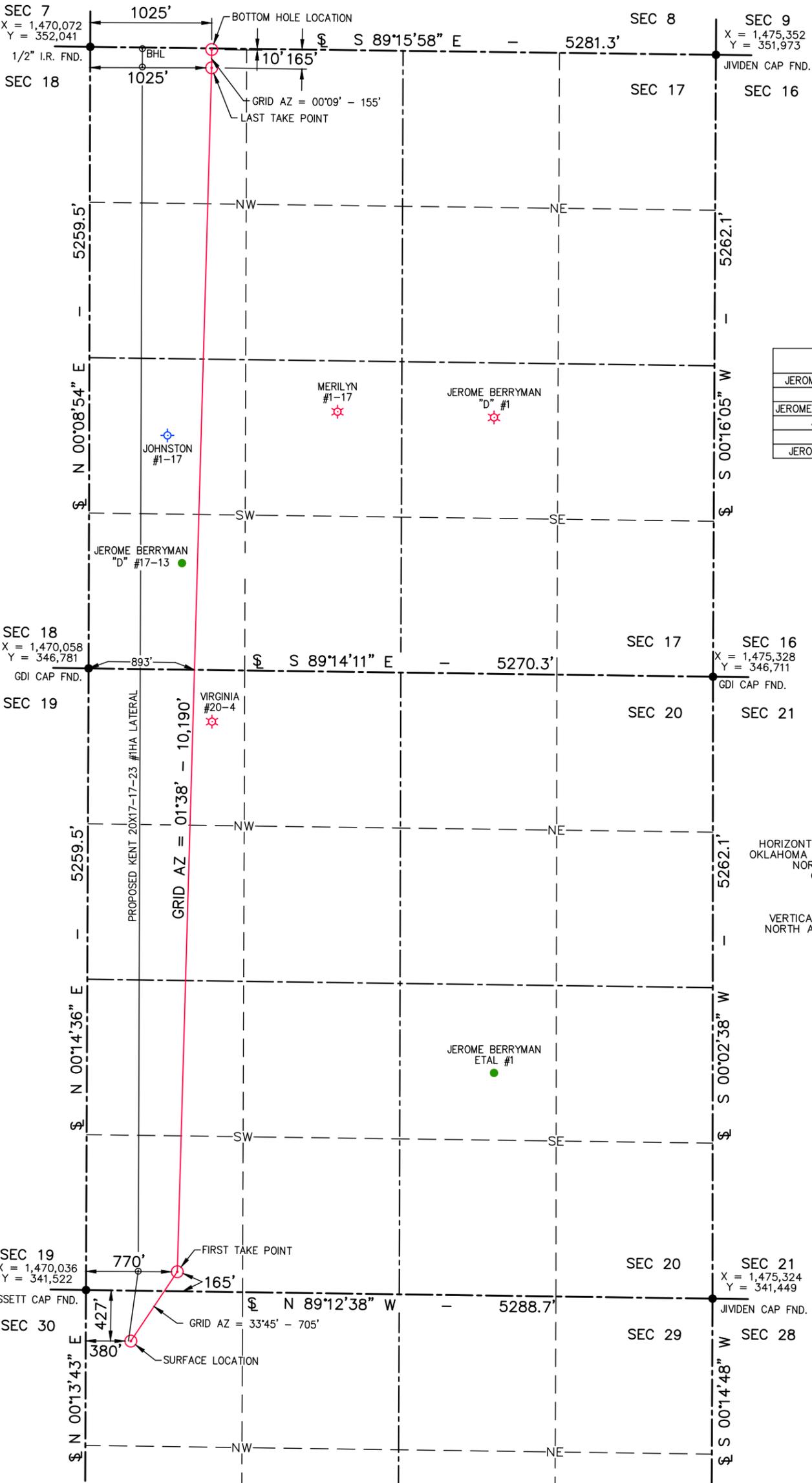
NAD27:
 X = 1,502,699
 Y = 351,835
 35°57'17.06"
 -99°40'49.09"
 35.9547389°
 -99.6803028°
 NAD83:
 X = 1,471,096
 Y = 351,863
 35°57'17.22"
 -99°40'50.49"
 35.9547833°
 -99.6806917°

FIRST TAKE POINT
 165' FSL & 770' FWL
 OF SECTION 20

NAD27:
 X = 1,502,409
 Y = 341,649
 35°55'36.28"
 -99°40'50.47"
 35.9267444°
 -99.6806861°
 NAD83:
 X = 1,470,806
 Y = 341,676
 35°55'36.44"
 -99°40'51.87"
 35.9267889°
 -99.6810750°

SURFACE LOCATION
 427' FNL & 380' FWL
 OF SECTION 29

NAD27:
 X = 1,502,017
 Y = 341,063
 35°55'30.42"
 -99°40'55.12"
 35.9251167°
 -99.6819778°
 NAD83:
 X = 1,470,414
 Y = 341,090
 35°55'30.58"
 -99°40'56.52"
 35.9251611°
 -99.6823667°



WELL NAME	DISTANCE TO HORIZ.
JEROME BERRYMAN ETAL #1	2624'
VIRGINIA #20-4	160'
JEROME BERRYMAN "D" #17-13	131'
JOHNSTON #1-17	284'
MERILYN #1-17	1145'
JEROME BERRYMAN "D" #1	2467'

HORIZONTAL COORDINATES ARE BASED ON:
 OKLAHOMA STATE PLANE COORDINATE SYSTEM
 NORTH AMERICAN DATUM 1983
 OKLAHOMA NORTH ZONE
 U.S. FEET

BASIS OF ELEVATION:
 VERTICAL COORDINATES ARE BASED ON
 NORTH AMERICAN VERTICAL DATUM 1988
 U.S. FEET

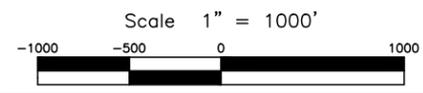
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: _____ DATED: 2/12/19

- WELL LEGEND**
- PERMITTED
 - ⊕ DRY HOLE
 - OIL
 - ★ GAS
 - ★ OIL/GAS
 - PLUGGED OIL
 - ★ PLUGGED GAS
 - ★ PLUGGED OIL/GAS

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- As-drilled data shown on this plat was provided by client and/or third party. Information was not nor has not been field verified by Surveyor.



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 (806) 323-9773 • TEXAS FIRM NO. 10010100
 CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2020

FOURPOINT
 ENERGY
 100 ST. PAUL STREET • SUITE 400 • DENVER, CO 80206

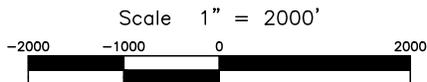
SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	1 OF 8
REVISION:	

REGISTERED PROFESSIONAL LAND SURVEYOR
 CURT McPHERSON
 1513
 OKLAHOMA

JOB NO. C219-035-1

ELEVATION VERIFICATION

COMPANY FOURPOINT ENERGY, LLC LEASE SPOONBILL 20X17-17-23 WELL NO. 1HA
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ENERGY

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SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	2 OF 8
REVISION:	

JOB NO. C219-035-2

AERIAL PLAT

COMPANY FOURPOINT ENERGY, LLC LEASE SPOONBILL 20X17-17-23 WELL NO. 1HA
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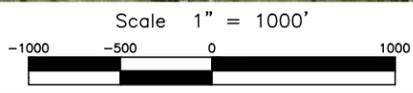
- WELL LEGEND**
- PERMITTED
 - ⊕ DRY HOLE
 - OIL
 - ★ GAS
 - ★ OIL/GAS
 - PLUGGED OIL
 - ★ PLUGGED GAS
 - ★ PLUGGED OIL/GAS



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NORTH AMERICAN DATUM 1983
OKLAHOMA NORTH ZONE
U.S. FEET

BASIS OF ELEVATION:
VERTICAL COORDINATES ARE BASED ON
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U.S. FEET



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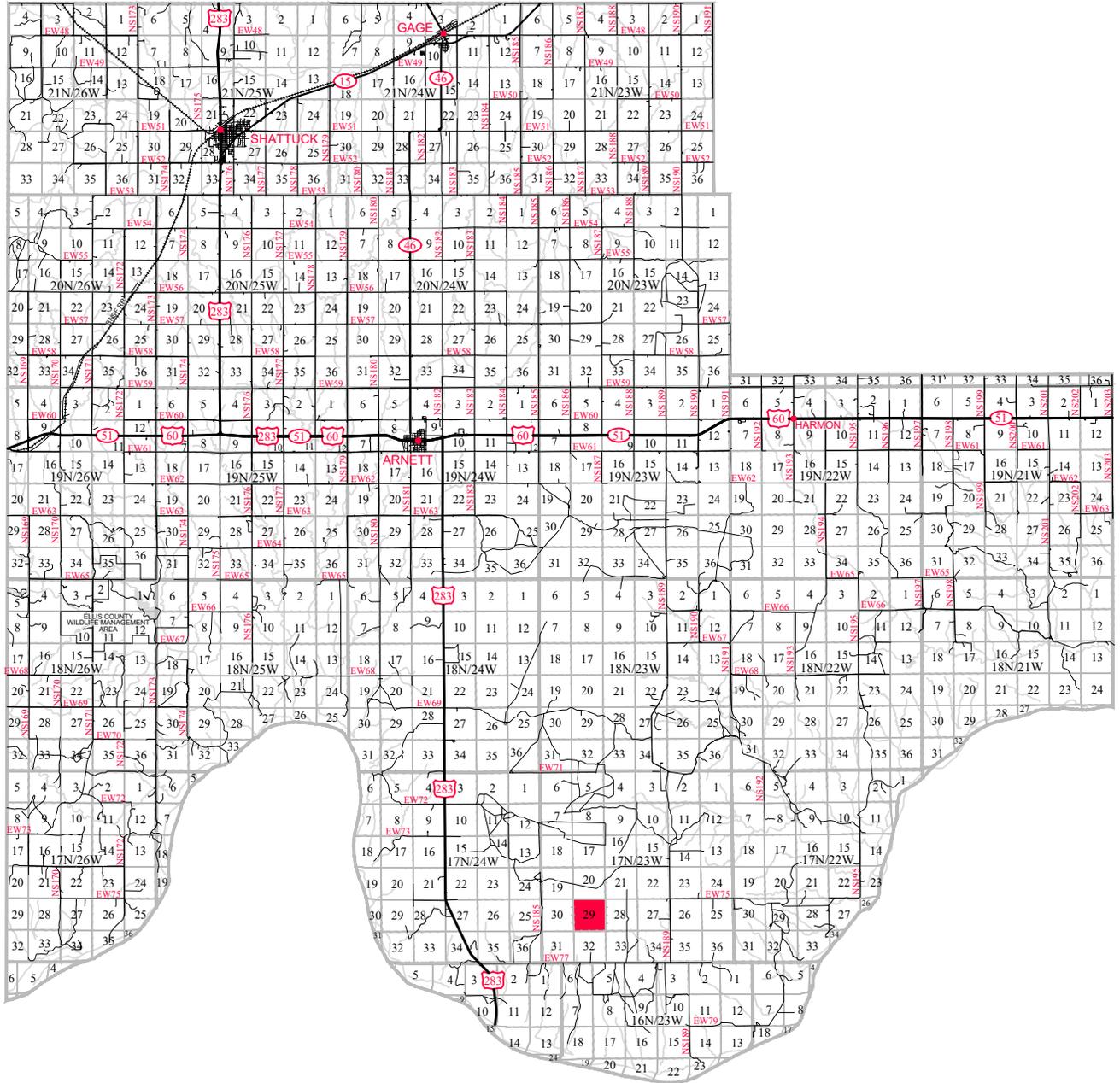
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 CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2020

FOURPOINT
 ENERGY
 100 ST. PAUL STREET • SUITE 400 • DENVER, CO 80206

SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	3 OF 8
REVISION:	
ADD LATERAL	4/24/19
JOB NO.	C219-035-3

VICINITY MAP

COMPANY FOURPOINT ENERGY, LLC LEASE SPOONBILL 20X17-17-23 WELL NO. 1HA
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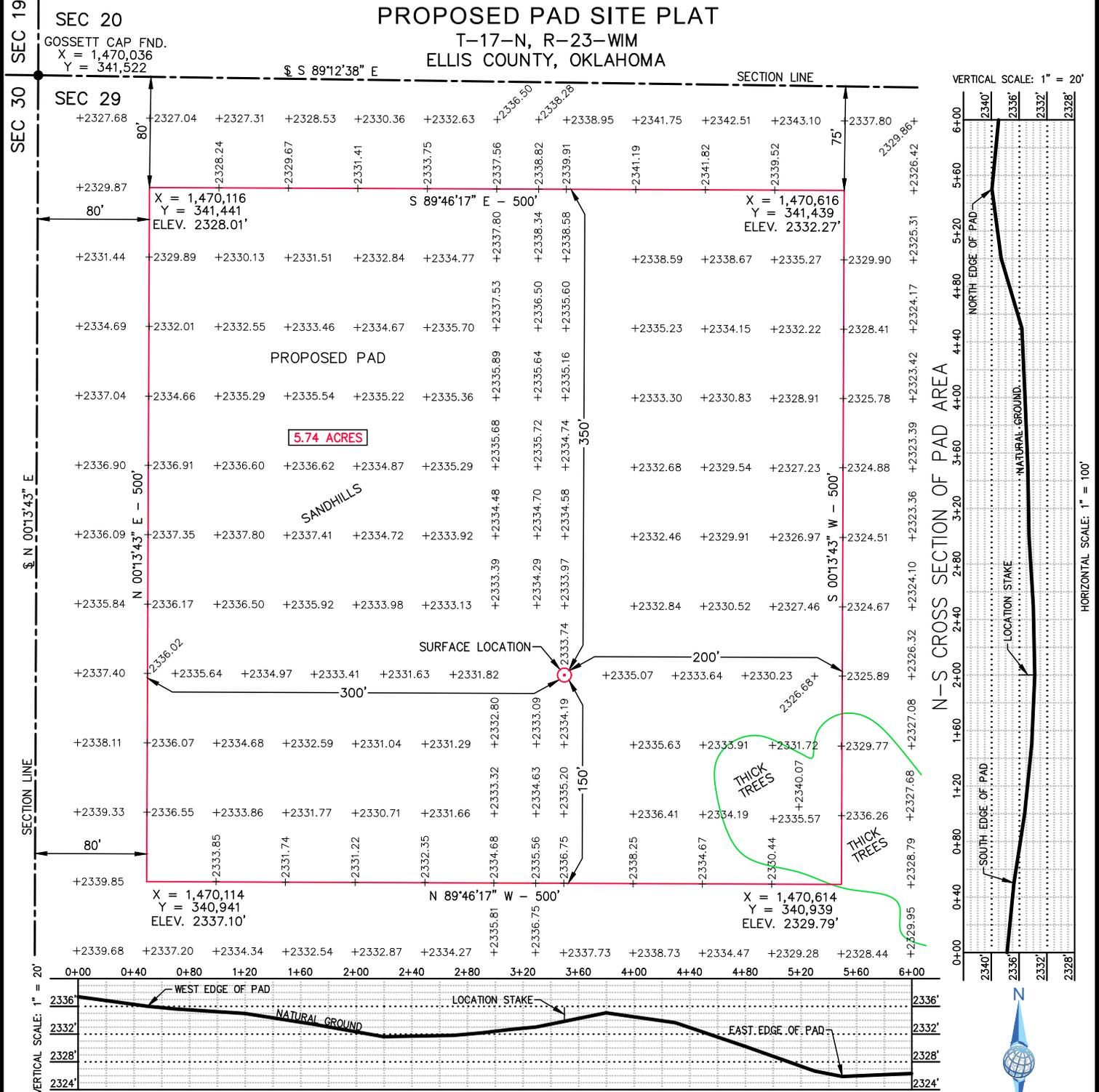


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SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	4 OF 8
REVISION:	

JOB NO. C219-035-4



HORIZONTAL SCALE: 1" = 100'

E-W CROSS SECTION OF PAD AREA

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SPOONBILL 20X17-17-23 #1HA
SURFACE LOCATION
427' FNL & 380' FWL OF SECTION 29
X = 1,470,414
Y = 341,090
35°55'30.58"
-99°40'56.52"
35.9251611"
-99.6823667"
ELEV. 2334' MSL

Scale 1" = 100'

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SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	5 OF 8
REVISION:	

CURT McPHERSON
1513
REGISTERED PROFESSIONAL LAND SURVEYOR

JOB NO. C219-035-5

PROPOSED PAD SITE EXISTING ELEVATION PLAT

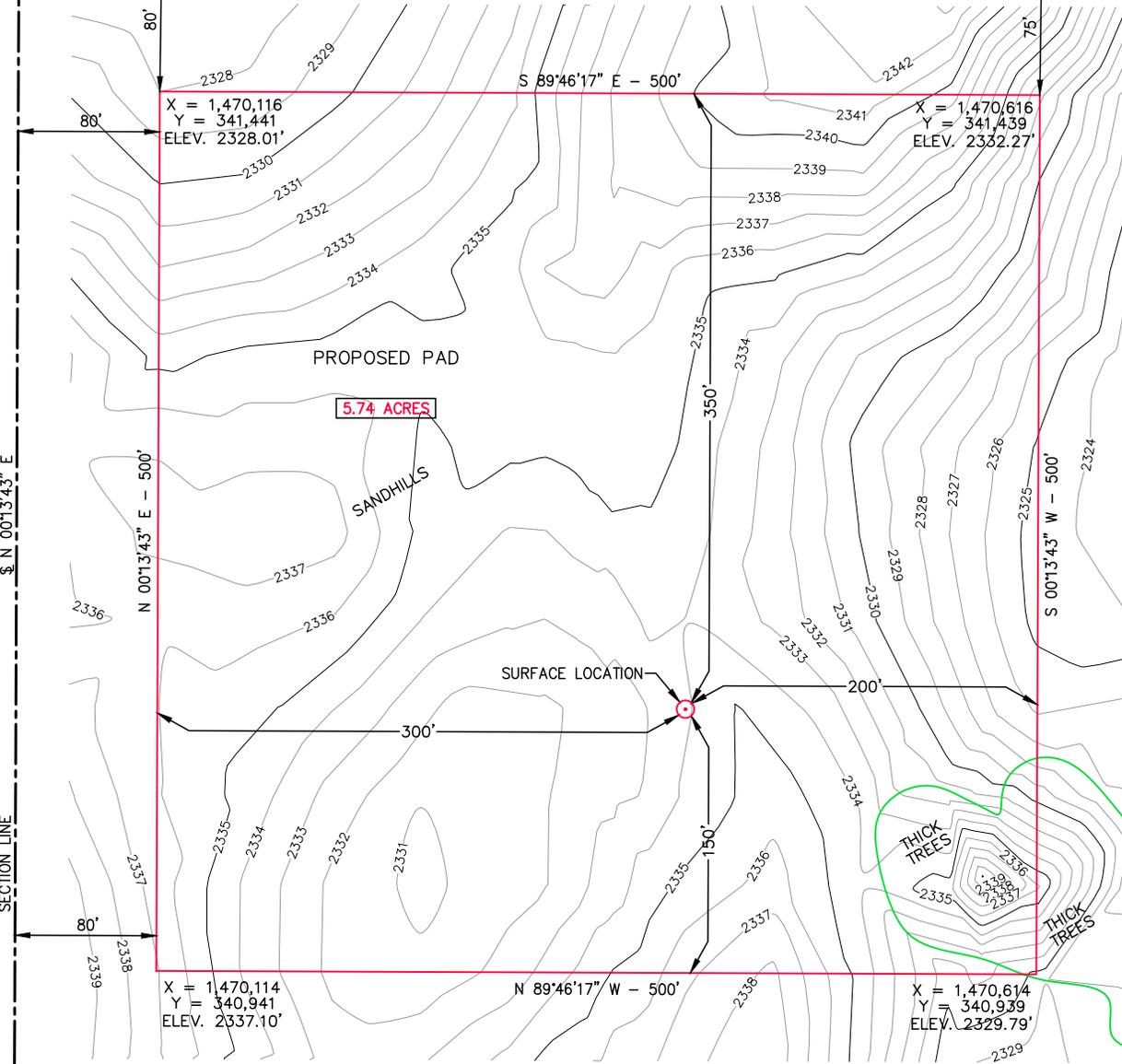
T-17-N, R-23-WIM
ELLIS COUNTY, OKLAHOMA

SEC 19 SEC 20
GOSSETT CAP FND.
X = 1,470,036
Y = 341,522

§ S 89°12'38" E

SECTION LINE

SEC 30 SEC 29



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5. Contour intervals are 1.0 foot.

SPOONBILL 20X17-17-23 #1HA
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ELEV. 2334' MSL

Scale 1" = 100'



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ENERGY

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SPOONBILL 20X17-17-23 #1HA

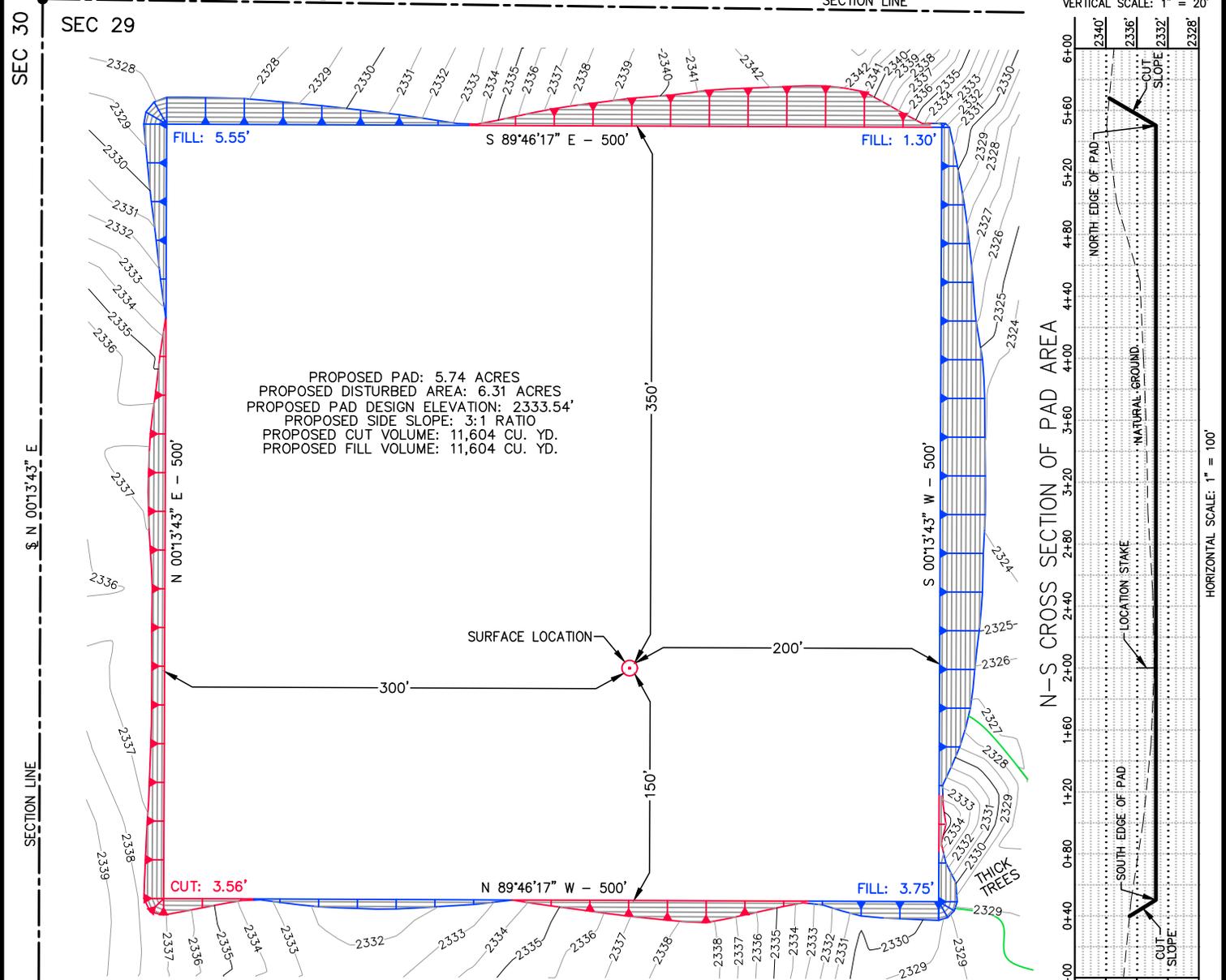
FIELD:	KB,AH,GPS
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SHEET:	6 OF 8
REVISION:	



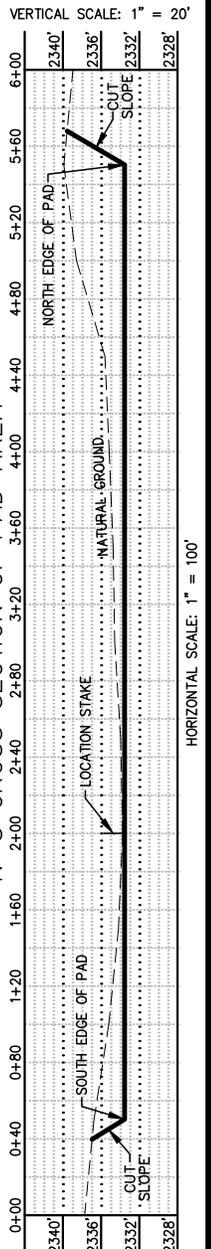
JOB NO. C219-035-6

SEC 19 SEC 20 PROPOSED PAD SITE DESIGN ELEVATION PLAT T-17-N, R-23-WIM ELLIS COUNTY, OKLAHOMA

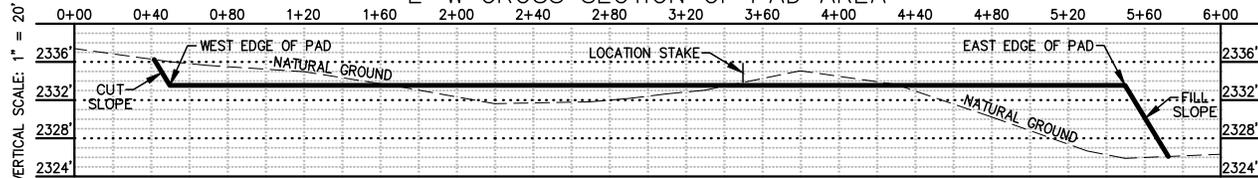
GOSSETT CAP FND.
X = 1,470,036
Y = 341,522
§ S 89°12'38" E SECTION LINE



PROPOSED PAD: 5.74 ACRES
PROPOSED DISTURBED AREA: 6.31 ACRES
PROPOSED PAD DESIGN ELEVATION: 2333.54'
PROPOSED SIDE SLOPE: 3:1 RATIO
PROPOSED CUT VOLUME: 11,604 CU. YD.
PROPOSED FILL VOLUME: 11,604 CU. YD.



E-W CROSS SECTION OF PAD AREA



NOTE: HORIZONTAL SCALE: 1" = 100' SPOONBILL 20X17-17-23 #1HA SURFACE LOCATION 427' FNL & 380' FWL OF SECTION 29 X = 1,470,414 Y = 341,090 35°55'30.58" -99°40'56.52" 35.9251611' -99.6823667' ELEV. 2334' MSL

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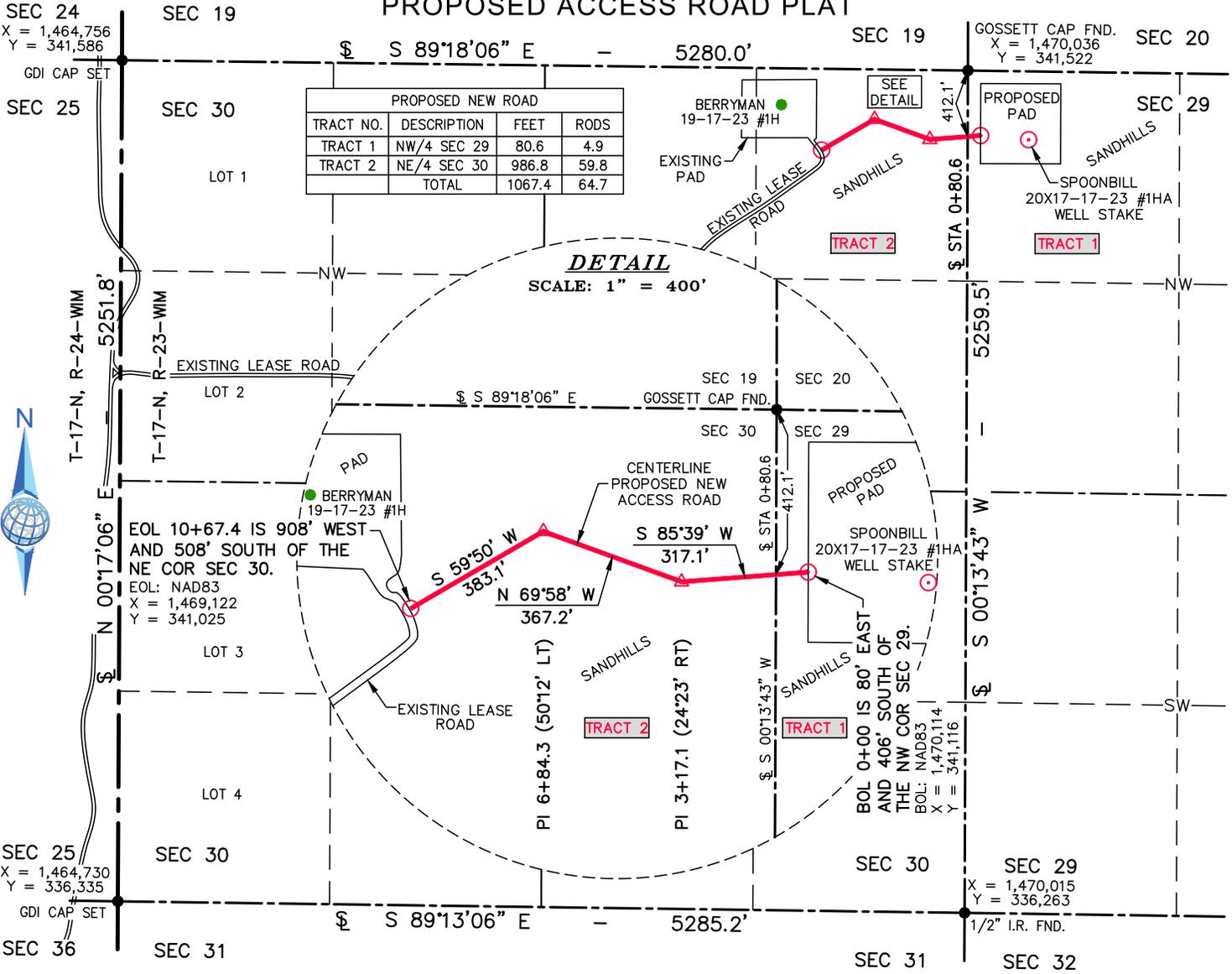
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DATE:	4/24/19
CHECKED:	MLS
SHEET:	7 OF 8
REVISION:	

Scale 1" = 100'

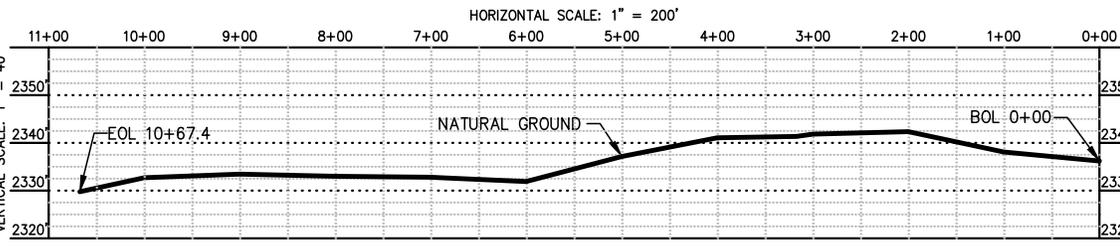
JOB NO. C219-035-7

PROPOSED ACCESS ROAD PLAT

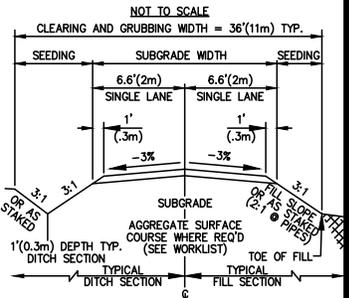


PROPOSED NEW ROAD			
TRACT NO.	DESCRIPTION	FEET	RODS
TRACT 1	NW/4 SEC 29	80.6	4.9
TRACT 2	NE/4 SEC 30	986.8	59.8
TOTAL		1067.4	64.7

DETAIL
SCALE: 1" = 400'

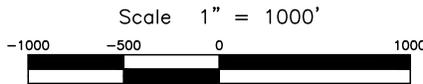


PROFILE OF PROPOSED ACCESS ROAD



PROPOSED ACCESS ROAD CROSS SECTION

- NOTE:**
- This plat is intended for Oklahoma Corporation Commission and/or Bureau of Land Management Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
 - Bearings and dimensions shown are based on Grid Azimuth and Grid distance. All X,Y coordinates are based on NAD83, Oklahoma North Zone, U.S. Feet.
 - X,Y Coordinates were derived from GPS static survey observations and/or RTK survey methods.
 - Basis of elevation: Vertical coordinates are based on North American Vertical Datum 1988, U.S. Feet.



GDI
Geospatial Data, Inc.
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CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2020

FOURPOINT
ENERGY
100 ST. PAUL STREET • SUITE 400 • DENVER, CO 80206

SPOONBILL 20X17-17-23 #1HA	
FIELD:	KB,AH,GPS
DRAWN:	CT
DATE:	2/12/19
CHECKED:	MLS
SHEET:	8 OF 8
REVISION:	
SHEET/JOB NO.	4/24/19

REGISTERED PROFESSIONAL LAND SURVEYOR
CURT McPHERSON
1513

JOB NO. C219-035-8