

API NUMBER: 137 27634

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

Approval Date: 09/27/2021
Expiration Date: 03/27/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 1S Range: 4W County: STEPHENS

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 345 1450

Lease Name: SKEET 17-20 Well No: S4H Well will be 345 feet from nearest unit or lease boundary.
Operator Name: CHEYENNE PETROLEUM COMPANY Telephone: 4059366220 OTC/OCC Number: 5593 0

CHEYENNE PETROLEUM COMPANY
14000 QUAIL SPRINGS PKWY STE 2200
OKLAHOMA CITY, OK 73134-2617

LELAND J AND MYRNA R CHAPMAN
PO BOX 487
VELMA OK 73491

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	8410

Spacing Orders: 688891

Location Exception Orders: 720415

Increased Density Orders: 720546

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 19500

Ground Elevation: 987

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 490

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 21-37752

H. (Other)

SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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.

HORIZONTAL HOLE 1

Section: 20	Township: 1S	Range: 4W	Meridian: IM	Total Length: 10312
County: STEPHENS				Measured Total Depth: 19500
Spot Location of End Point: SE SW SE SE				True Vertical Depth: 8800
Feet From: SOUTH		1/4 Section Line: 50		End Point Location from
Feet From: EAST		1/4 Section Line: 710		Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[9/21/2021 - GC2] - 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	<p>[9/21/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INCREASED DENSITY - 720546	<p>[9/27/2021 - G56] - (I.O.) 17 & 20-1S-4W</p> <p>X688891 MSSP</p> <p>3 WELLS</p> <p>NO OP NAMED</p> <p>9/13/2021</p>
LOCATION EXCEPTION - 720415	<p>[9/27/2021 - G56] - (I.O.) 17 & 20-1S-4W</p> <p>X688891 MSSP</p> <p>COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 660' FEL</p> <p>CHEYENNE PETRO CO</p> <p>9/3/2021</p>
MEMO	[9/21/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - WILDHORSE CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 688891	<p>[9/27/2021 - G56] - (1280)(HOR) 17 & 20-1S-4W</p> <p>VAC 131123 SCMR, OTHER 17-1S-4W</p> <p>VAC 403812 SCMR E2 17-1S-4W</p> <p>EST MSSP, OTHERS</p> <p>POE TO BHL NCT 660' FB</p>
WATERSHED STRUCTURE	[9/21/2021 - GC2] - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 255-5798 PRIOR TO DRILLING

WELL LOCATION

BMA Land Surveying, P.C.
Phone (580) 226-5108
1010 Northwest Blvd.
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: CHEYENNE PETROLEUM COMPANY

Lease Name: SKEET 17-20 S4H

Section 17 Township 1 S Range 4 W , I.B.M., County of Stephens, State of Oklahoma

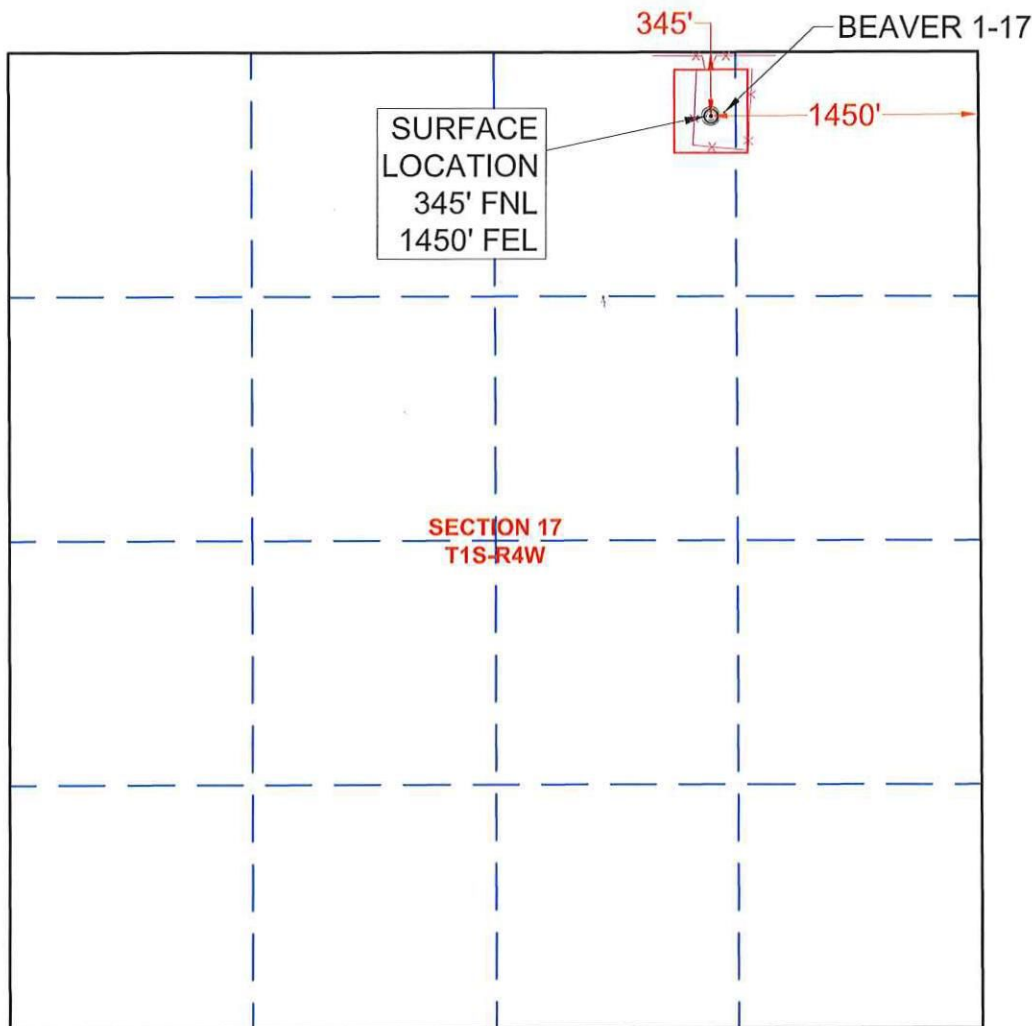
Original Location: 345' FNL - 1450' FEL Elevation 987' Good Location? YES

Topography: OLD PAD - 25' EAST OF SKEET 17-20 S3H - 73' WEST AND 21' SOUTH OF BEAVER 1-17

Best Accessibility to Location: From the North

Distance & Direction From Nearest Town: 2.4 miles Northeast of Velma

From the town of Velma and the intersection of Old State Highway No. 7 and 1st Street (Cherokee Road); Go East 0.6 mile on 1st Street (Cherokee Road); Then go North 1.0 mile on County Road N2990; Then go East 1.0 mile Seminole Road to the Northwest corner of SECTION 17-T1S-R4W, I.B.M., Stephens County, Oklahoma.



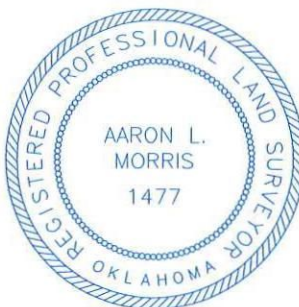
SCALE 1" = 1000'



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.

SURVEY BY: BMA LAND SURVEYING, PC ~ Aaron L. Morris, RPLS	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2021	C.A. No. 5975 (LS)
PROJECT NUMBER: 210047	SITE VISIT: (Explanation and Date)
	STAKING DATE: 07/13/2021
SHEET: 1 OF 5	DRAWING DATE: 07/15/2021



8/2/2021

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

LOCATION AND ELEVATION VERIFICATION MAP

BMA Land Surveying, P.C.
Phone (580) 226-5108
1010 Northwest Blvd.
Ardmore, OK 73401

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Lease Name: SKEET 17-20 S4H

Section 17 Township 1 S Range 4 W , I.B.M., County of Stephens, State of Oklahoma

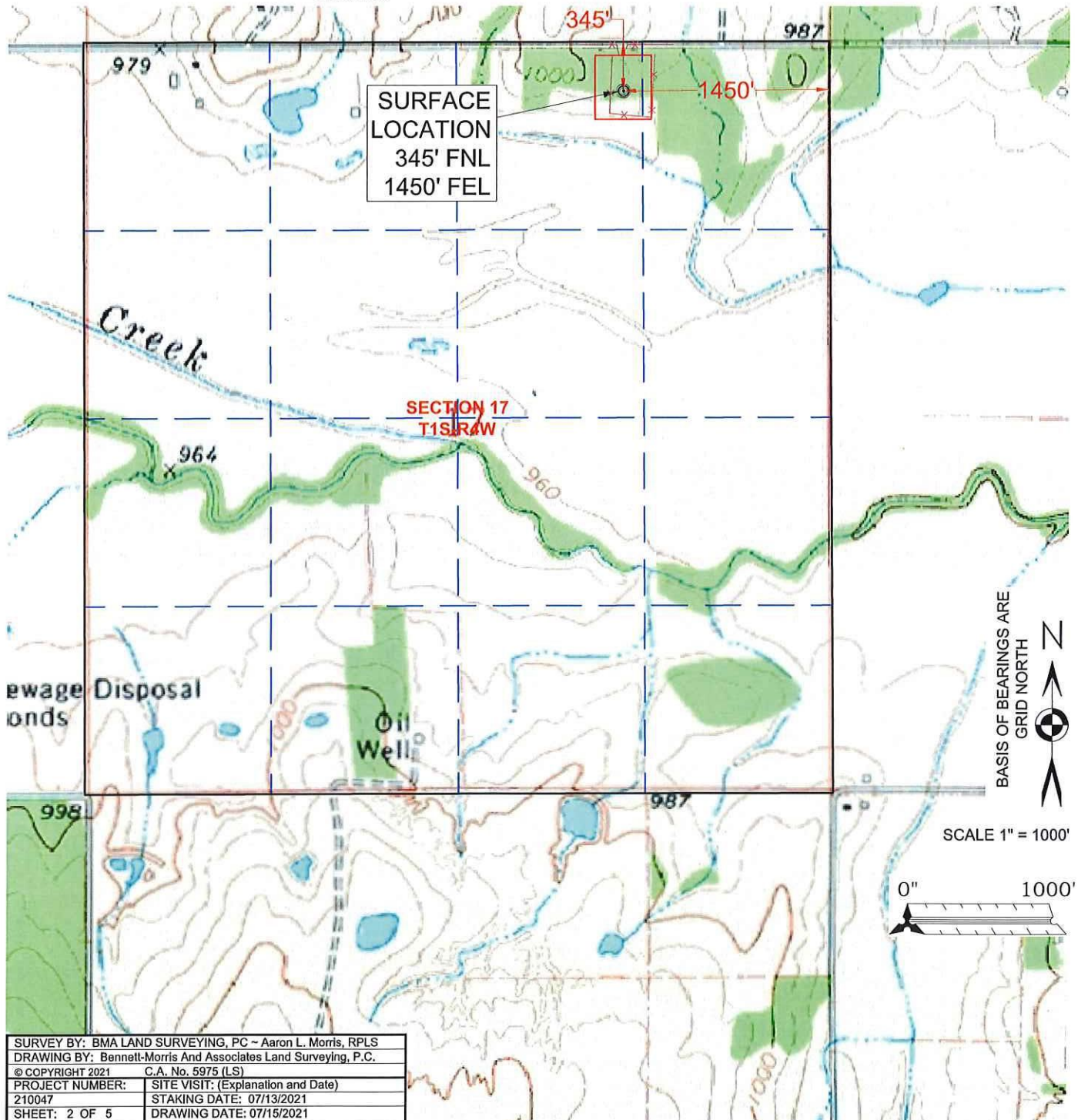
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FLOOD ELEVATION MAP

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Ardmore, OK 73401

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Lease Name: **SKEET 17-20 S4H**

Section 17 Township 1 S Range 4 W , I.B.M, County of Stephens, State of Oklahoma
Elevation Good Location?

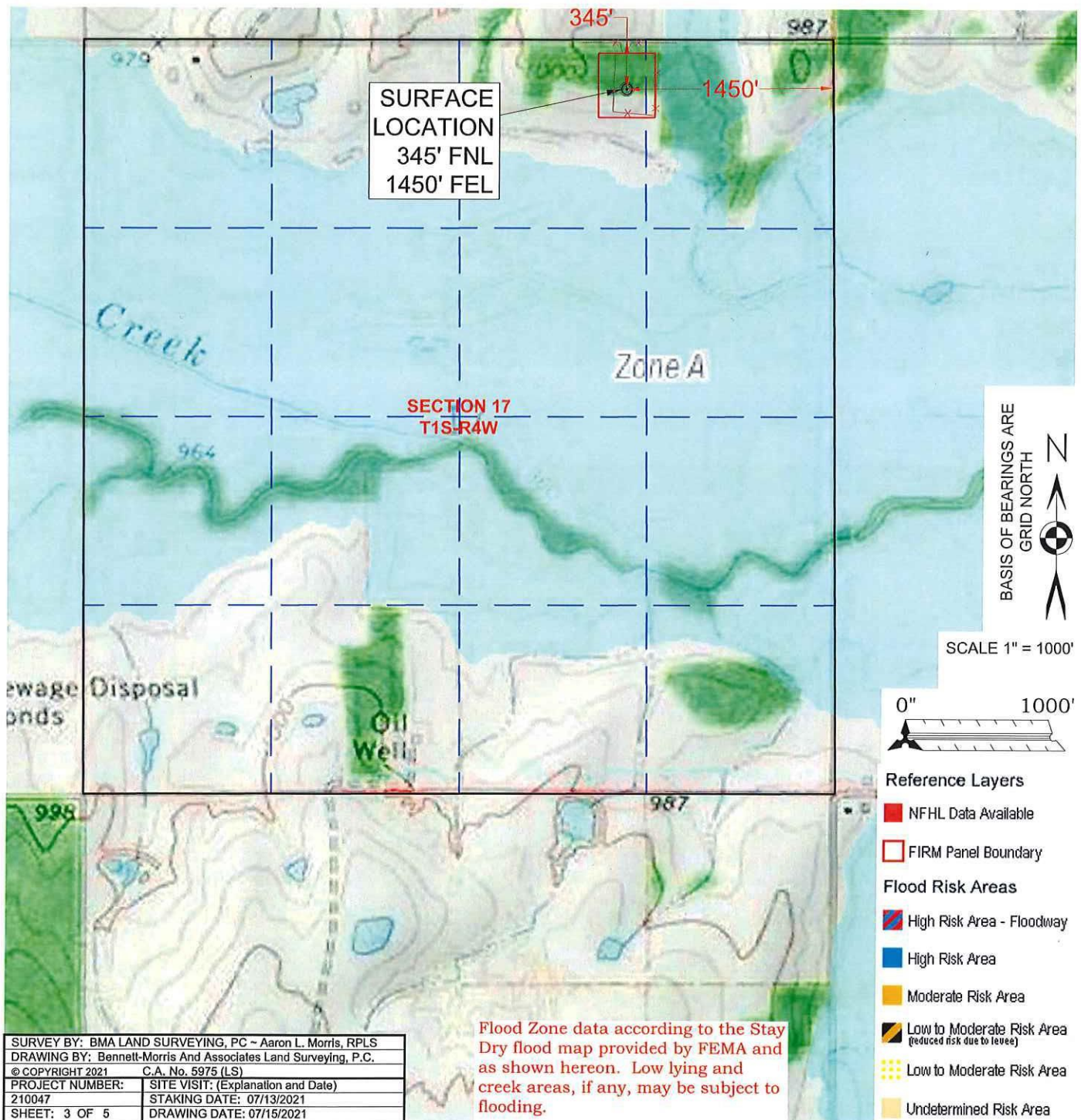
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AERIAL PHOTO

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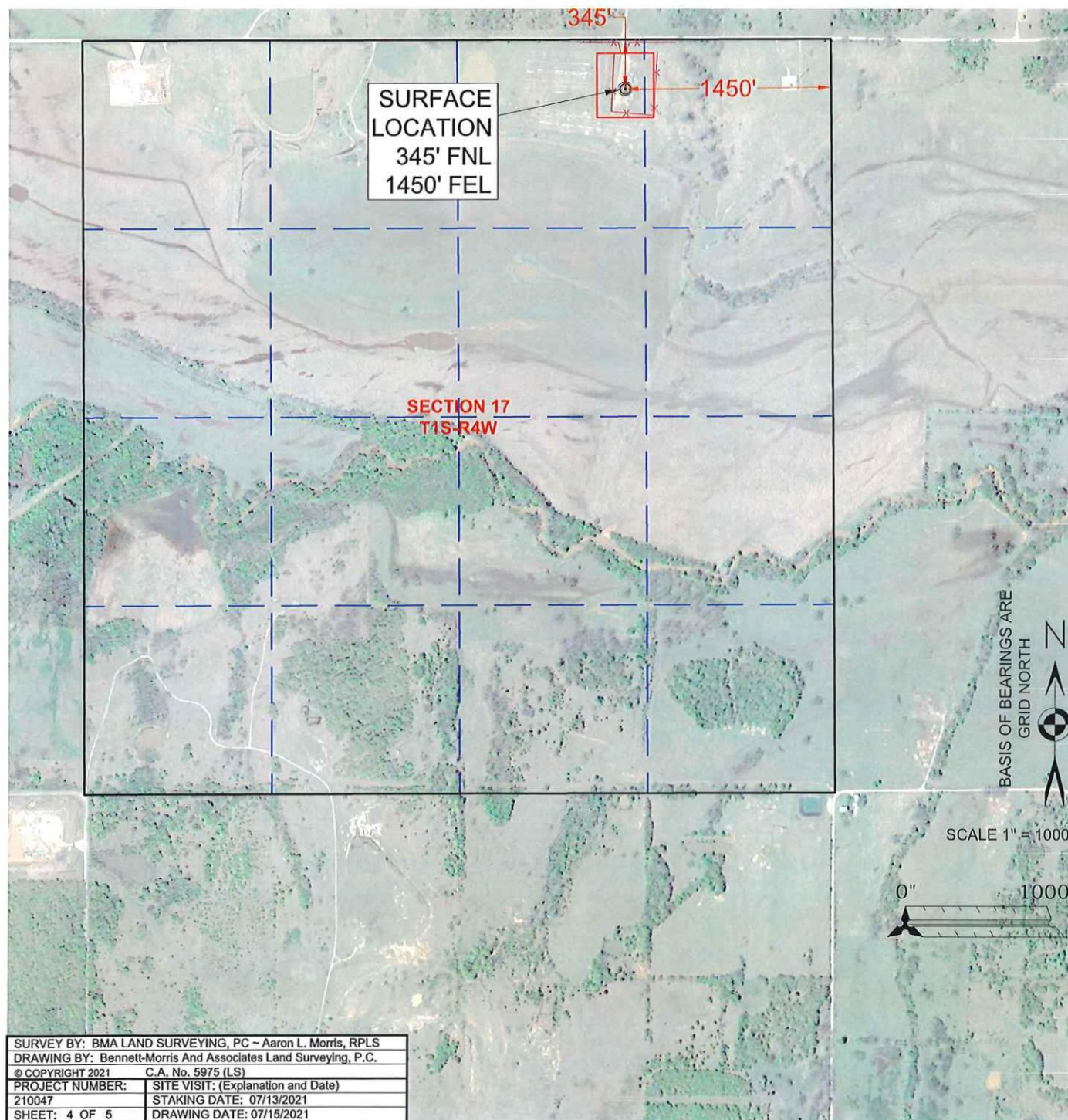
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PERMIT PLAT

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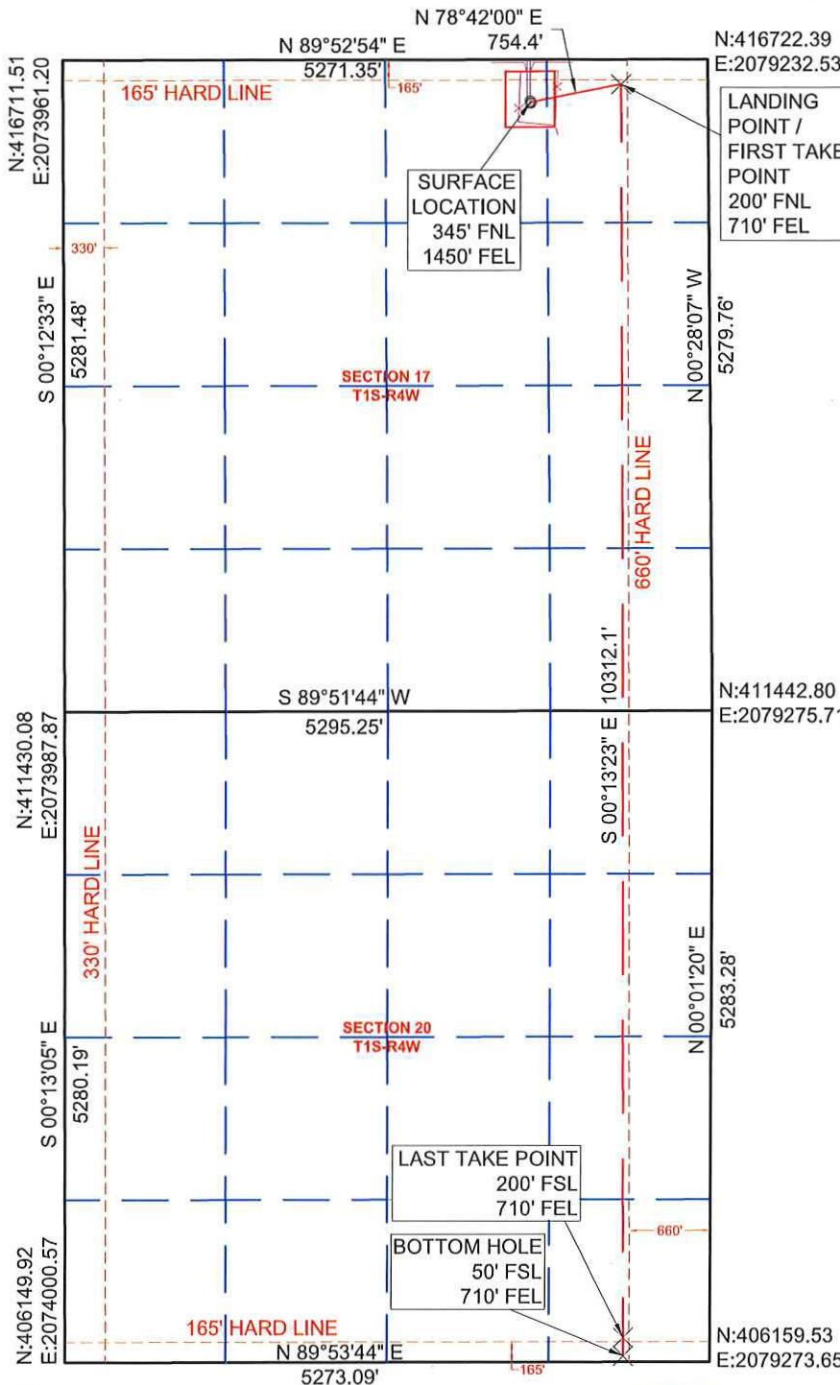
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SURFACE LOCATION	LANDING POINT / FIRST TAKE POINT
DATUM: NAD27	DATUM: NAD27
LAT: 34° 28' 36.63"N	LAT: 34° 28' 38.06"N
LONG: 97° 38' 13.48"W	LONG: 97° 38' 04.63"W
LAT: 34.476843°N	LAT: 34.477240°N
LONG: 97.637077°W	LONG: 97.634621°W
Y (N): 416330.87	Y (N): 416478.05
X (E): 2109378.64	X (E): 2110118.39
DATUM: NAD83	DATUM: NAD83
LAT: 34° 28' 36.94"N	LAT: 34° 28' 38.37"N
LONG: 97° 38' 14.58"W	LONG: 97° 38' 05.74"W
LAT: 34.476927°N	LAT: 34.477324°N
LONG: 97.637384°W	LONG: 97.634927°W
Y (N): 416373.1098	Y (N): 416520.296
X (E): 2077783.56	X (E): 2078523.316

LAST TAKE POINT	BOTTOM HOLE
DATUM: NAD27	DATUM: NAD27
LAT: 34° 26' 57.53"N	LAT: 34° 26' 56.05"N
LONG: 97° 38' 04.60"W	LONG: 97° 38' 04.60"W
LAT: 34.449315°N	LAT: 34.448903°N
LONG: 97.634611°W	LONG: 97.634611°W
Y (N): 406315.94	Y (N): 406165.94
X (E): 2110157.95	X (E): 2110158.54
DATUM: NAD83	DATUM: NAD83
LAT: 34° 26' 57.84"N	LAT: 34° 26' 56.36"N
LONG: 97° 38' 05.71"W	LONG: 97° 38' 05.70"W
LAT: 34.449400°N	LAT: 34.448988°N
LONG: 97.634918°W	LONG: 97.634918°W
Y (N): 406358.2301	Y (N): 406208.2311
X (E): 2078562.871	X (E): 2078563.455

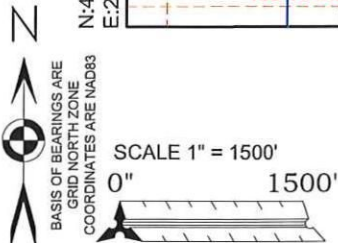
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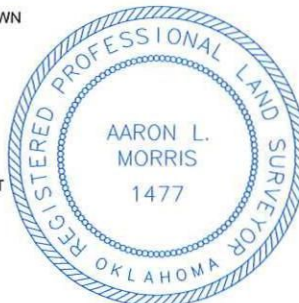
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8/4/2021

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COORDINATES ARE AS SHOWN
ARE DERIVED FROM OPUS
SOLUTION.
PROJECTION: OKLAHOMA
SOUTH ZONE, LAMBERT
CONFORMAL
HORIZONTAL: NAD83
VERTICAL: NAVD88
GEOID MODEL: GEOID 99
UNITS: US SURVEY FEET



SURVEY BY: BMA LAND SURVEYING, PC - Aaron L. Morris, RPLS	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
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PROJECT NUMBER: 210047	SITE VISIT: (Explanation and Date)
SHEET: 5 OF 5	STAKING DATE: 07/13/2021
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