

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

API NUMBER: 087 22123

Approval Date: 03/29/2018

Expiration Date: 09/29/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 6N Rge: 4W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 260 2418

Lease Name: MOOSE

Well No: 1-29WH

Well will be 260 feet from nearest unit or lease boundary.

Operator Name: CASILLAS OPERATING LLC

Telephone: 9185825310

OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC
PO BOX 3668
TULSA, OK 74101-3668

GARY & DONNA BOWLING
2810 CLIFFORD ST.
HARLINGTON TX 78550

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

	Name	Depth	Name	Depth
1	WOODFORD	9572	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 665473

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16422

Ground Elevation: 1192

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

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: DUNCAN

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

PERMIT NO: 18-33827

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 29 Twp 6N Rge 4W County MCCLAIN

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2540

Depth of Deviation: 9457

Radius of Turn: 1200

Direction: 359

Total Length: 5080

Measured Total Depth: 16422

True Vertical Depth: 11550

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

COMPLETION INTERVAL

2/1/2018 - G57 - THE COMPLETION INTERVAL (FIRST PERFORATION TO LAST PERFORATION OR POINT OF ENTRY TO TERMINUS) FOR THE WOODFORD WILL BE GREATER THAN 165' FNL AND FSL; GREATER THAN 330' FEL AND FWL OF 29-6N-4W PER SPACING ORDER #665473 PER OPERATOR

DEEP SURFACE CASING

1/31/2018 - 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

1/31/2018 - 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: OCCWEB.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

1/31/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

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087 22123 MOOSE 1-29WH

Category

Description

SPACING - 665473

2/1/2018 - G57 - (640)(HOR) 29-6N-4W
VAC OTHERS
VAC 388436 WDFD
EXT 644065 WDFD, OTHERS
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

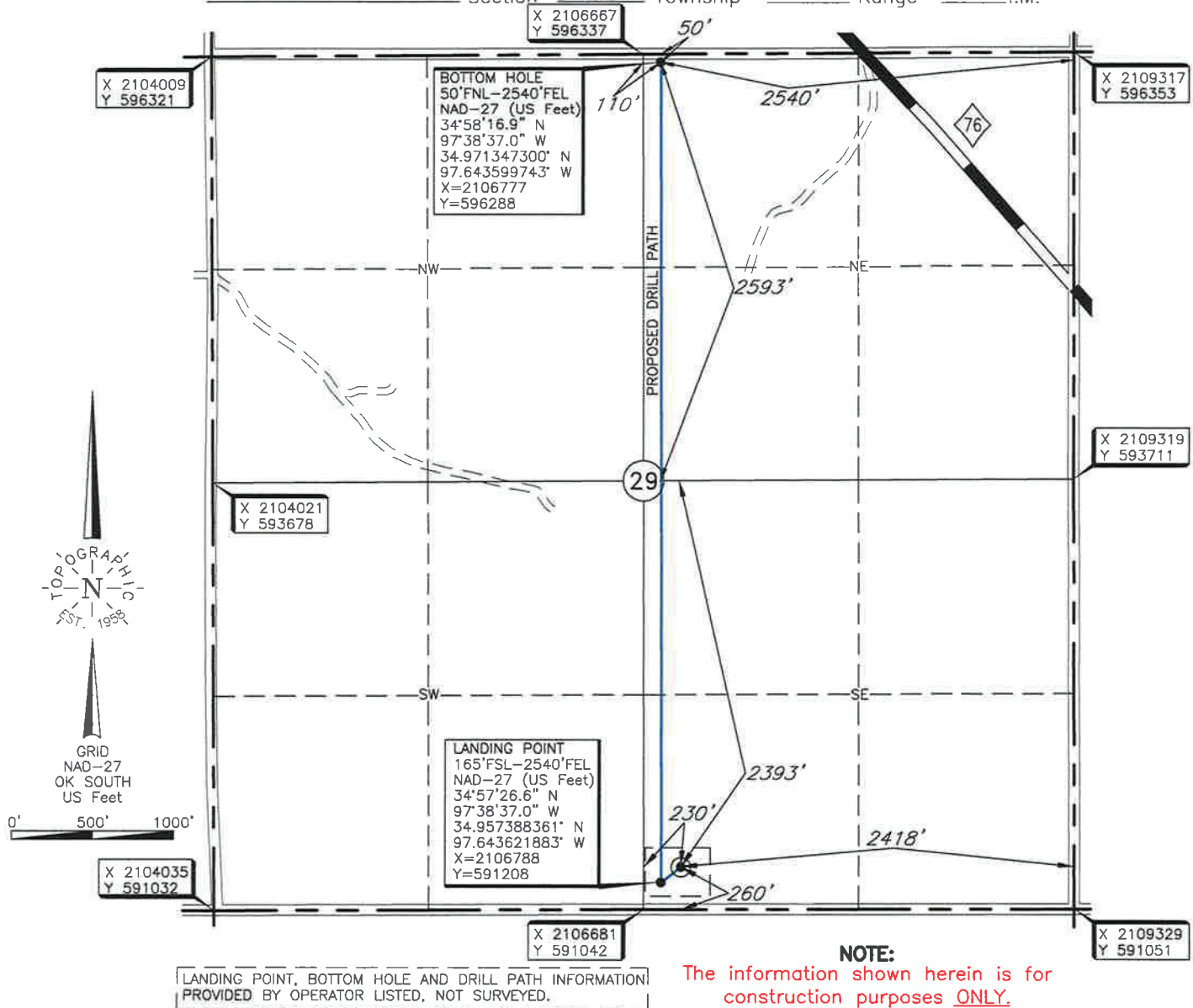
Certificate of Authorization No. 1293 LS

MCCLAIN

County, Oklahoma

API: 087 22123

260' FSL - 2418' FEL Section 29 Township 6N Range 4W I.M.



Operator: CASILLAS OPERATING, LLC

Lease Name: MOOSE

Well No.: 1-29WH

ELEVATION:

1192' Gr. at Stake

Topography & Vegetation Loc. fell in brushy pasture, ±199' North of overhead power line, ±297' East of barn

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction
from Hwy Jct or Town From Jct. St. Hwy. 76 and St. Hwy. 39, West of Dibble, OK, go ±6.2 mi. South
on St. Hwy. 76, then ± 0.5 mi. West on County Road 142 to the SE Cor. of Sec. 29-T6N-R4W

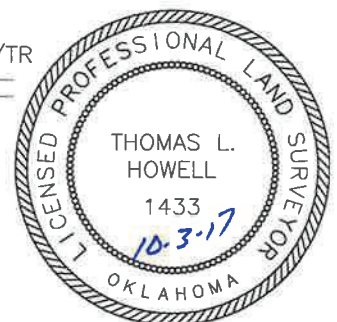
DATUM: NAD-27
LAT: 34°57'27.5"N
LONG: 97°38'35.6"W
LAT: 34.957649422°N
LONG: 97.643214228°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2106910
Y: 591303

Date of Drawing: Oct. 2, 2017
Invoice # 282217 Date Staked: Sept. 29, 2017 AC/TR

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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Certificate of Authorization No. 1293 LS

MCCLAIN

County, Oklahoma

260' FSL - 2418' FEL Section 29 Township 6N Range 4W I.M.

X 2106667
Y 596337

X 2104009
Y 596321

BOTTOM HOLE
50' FNL - 2540' FEL
NAD-27 (US Feet)
34°58'16.9" N
97°38'37.0" W
34.971347300° N
97.643599743° W
X=2106777
Y=596288

X 2109317
Y 596353

X 2104021
Y 593678

X 2109319
Y 593711

X 2104035
Y 591032

LANDING POINT
165' FSL - 2540' FEL
NAD-27 (US Feet)
34°57'26.6" N
97°38'37.0" W
34.957388361° N
97.643621883° W
X=2106788
Y=591208

X 2106681
Y 591042

X 2109329
Y 591051

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

NOTE:

The information shown herein is for
construction purposes ONLY.

Operator: CASILLAS OPERATING, LLC

Lease Name: MOOSE

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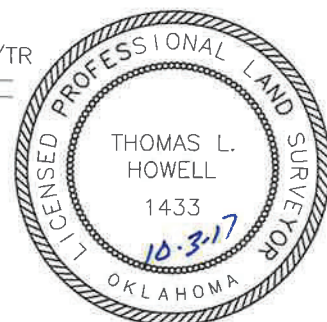
Invoice # 282217 Date Staked: Sept. 29, 2017

AC/TR

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land
Surveyor and an authorized agent of Topographic Land
Surveyors of Oklahoma, do hereby certify to the
information shown herein

Oklahoma Lic. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

DATUM: NAD-27
LAT: 34°57'27.5"N
LONG: 97°38'35.6"W
LAT: 34.957649422°N
LONG: 97.643214228°W
STATE PLANE
COORDINATES: (US Feet)
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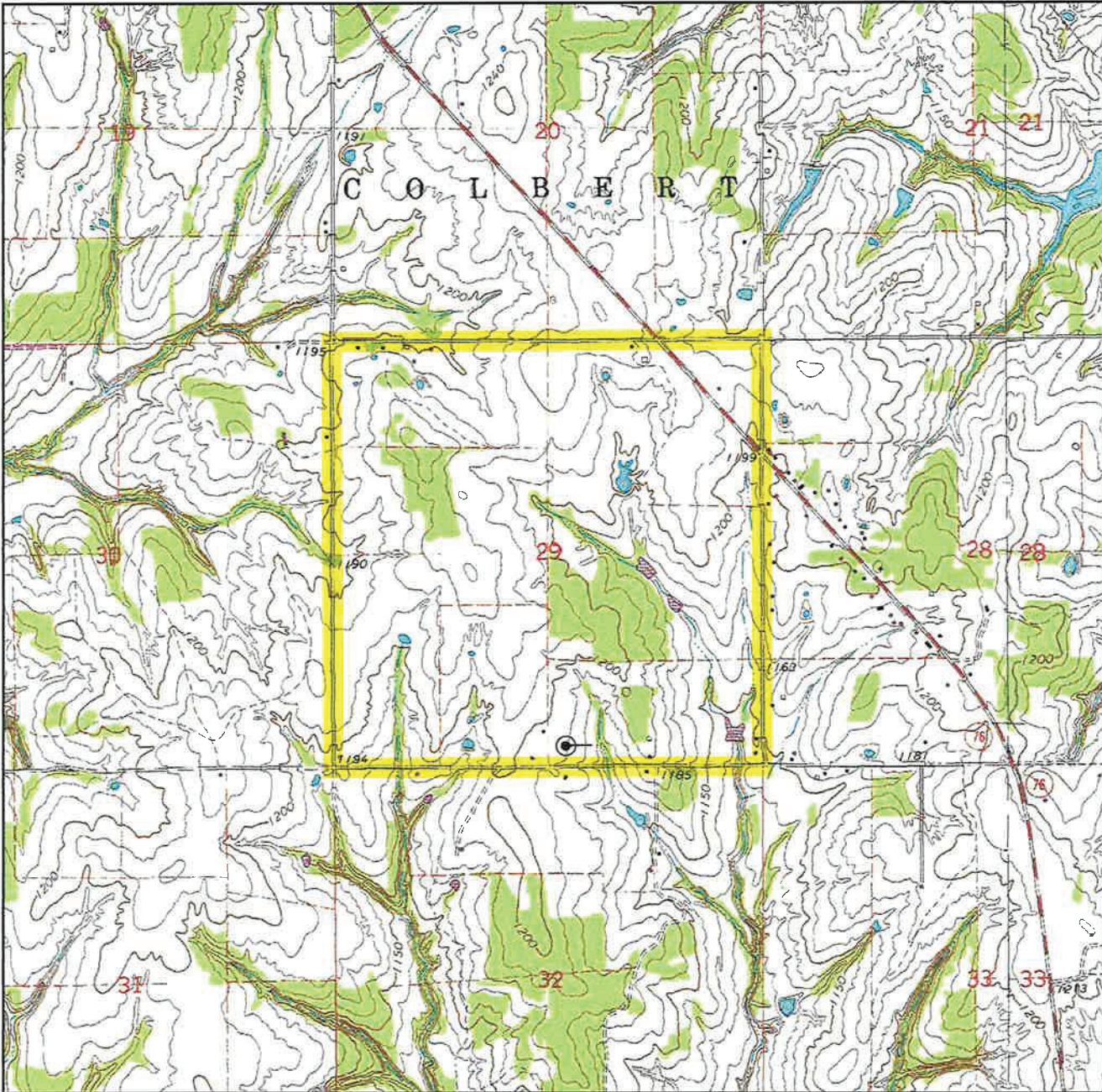
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 29 Twp. 6N Rng. 4W I.M.

County MCCLAIN State OK

Operator CASILLAS OPERATING, LLC

Description 260'FSL - 2418'FEL

Lease MOOSE 1-29WH

Elevation 1192' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map CRINER, OK

Above Background Data from
U.S.G.S. Topographic Map

Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground
elevation of the location stake.

Review this plat and inform us immediately of
any possible discrepancy.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

LAND SURVEYORS OF OKLAHOMA

Sept. 29, 2017

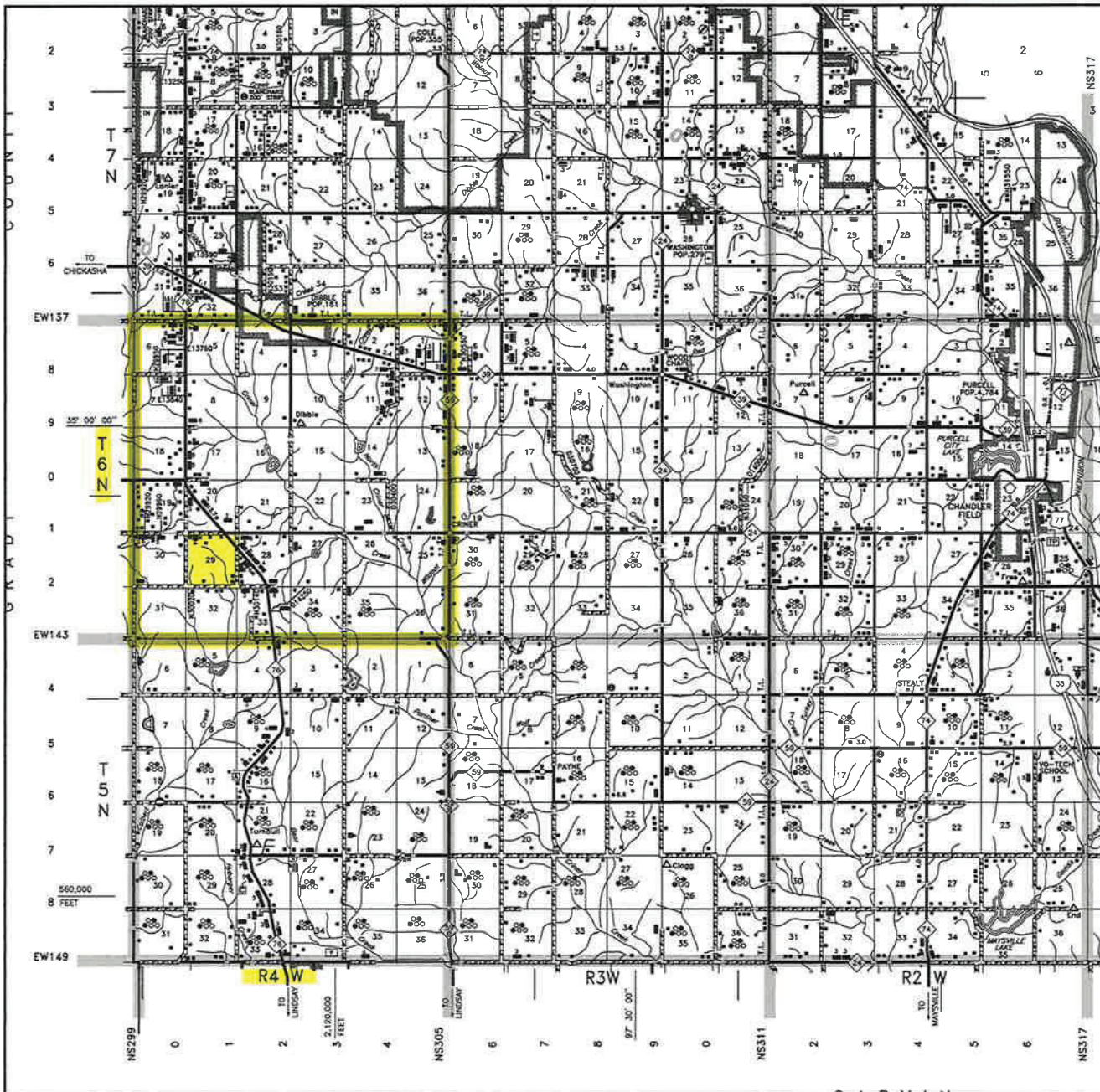
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VICINITY MAP



Scale: 1" = 3 Miles

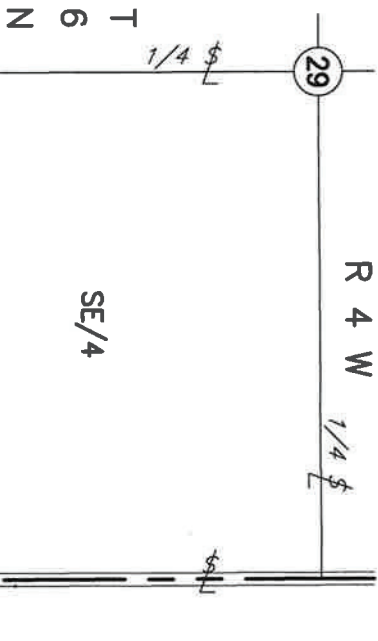
Sec. 29 Twp. 6N Rng. 4W I.M.

County MCCLAIN State OK

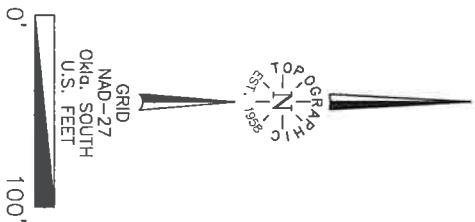
Operator CASILLAS OPERATING, LLC



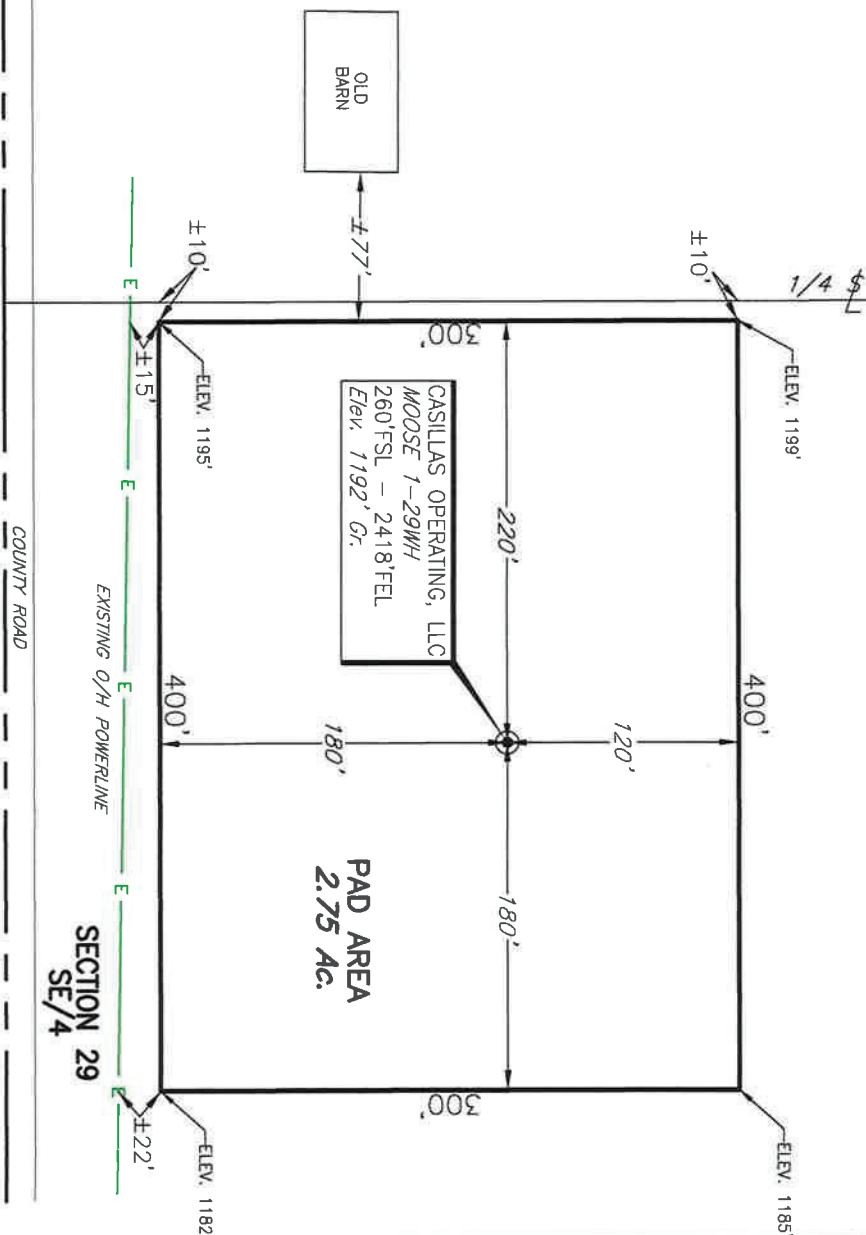
LAND SURVEYORS OF OKLAHOMA



VICINITY MAP
Scale: 1" = 1000'



T 6 N - R 4 W
(INDIAN MERIDIAN)
PLAT SHOWING
PROPOSED PAD AREA IN THE
SE/4 OF SECTION 29, T6N - R4W
McCLAIN COUNTY, OKLAHOMA



1	RE-STAKE	10-3-17	TR	This plat was prepared exclusively for CASILLAS OPERATING, LLC SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA 6709 N. Classen, Okla. City, OK 73116 (405) 843-4847 Certificate of Authorization No. 1293 LS	
NO.	REVISION	DATE	BY		
SURV. BY:	PJ	8-22-17			
DRAWN BY:	AC				
APPROVED BY:	TH			SCALE: 1" = 100' DATE: 8-24-17 INVOICE NO.: 280039 FILE NAME: L2072A.DWG DWG NO.: 103039-L2-072-A SHEET 1 OF 1	

-NOTE-
The information shown herein
is for construction purposes
ONLY.