

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

API NUMBER: 087 22101

Approval Date: 01/02/2018
Expiration Date: 07/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 6N Rge: 4W County: MCCLAIN
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 275 275

Lease Name: ZIMA Well No: 1-15MH Well will be 275 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

MANUEL & AMBER MERCEDES ESTRADA
700 TOMPKINS DR
OKLAHOMA CITY OK 73127

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10544	6	
2	WOODFORD	10654	7	
3			8	
4			9	
5			10	

Spacing Orders: 664256 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201706694 Special Orders:

Total Depth: 15418 Ground Elevation: 1187 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 160

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: 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-33343

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 15 Twp 6N Rge 4W County MCCLAIN

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 9703

Radius of Turn: 410

Direction: 175

Total Length: 5071

Measured Total Depth: 15418

True Vertical Depth: 10654

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

Notes:

Category

Description

DEEP SURFACE CASING

11/20/2017 - 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

11/20/2017 - 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

11/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201706694

12/12/2017 - G58 - (I.O.) 15-6N-4W
X664256 MSSP, WDFD
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL
NO OP. NAMED
REC 10/31/2017 (JOHNSON)

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.

Category

Description

SPACING - 664256

12/12/2017 - G58 - (640)(HOR) 15-6N-4W
VAC 583892 WDFD, CNEY, SCMR
EXT 648816 MSSP, WDFD
COMPL. INT. (MSSP) NCT 660' FB
COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

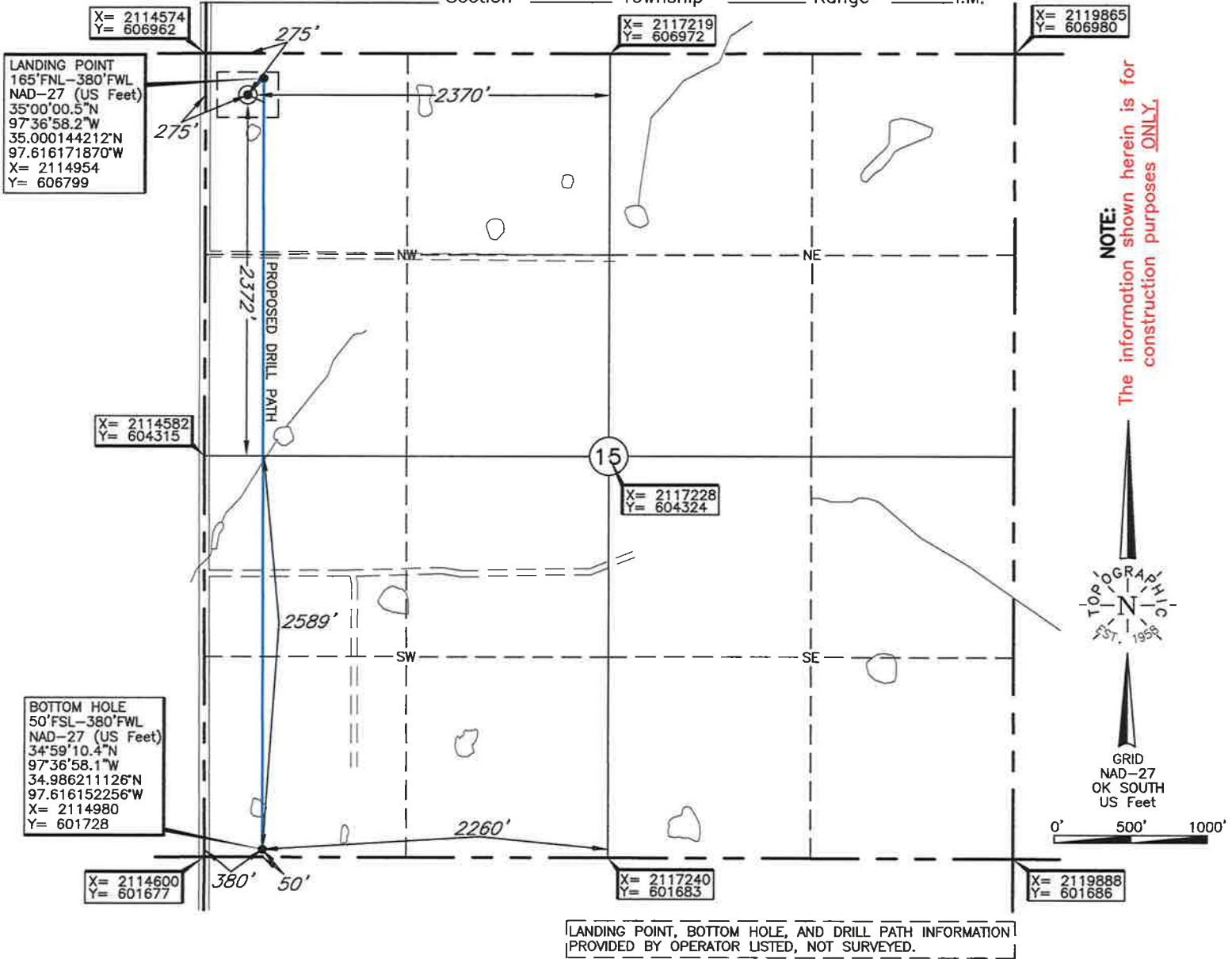
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

API 087-22101

MCCLAIN

County, Oklahoma

275'FNL-275'FWL Section 15 Township 6N Range 4W I.M.



Operator: CASILLAS OPERATING, LLC

Lease Name: ZIMA

Well No.: 1-15MH **ELEVATION:** 1187' Gr. at Stake

Topography & Vegetation Loc. fell in sloping horse pasture, ±190' North of pond

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

Best Accessibility to Location From West off county road

Distance & Direction from Hwy Jct or Town From Criner, OK, go West ±3.0 miles, then North ±2.0 miles to the NW Cor. of Sec. 15-T6N-R4W.

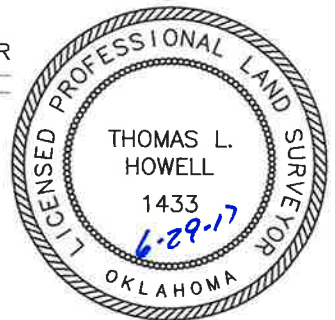
Date of Drawing: June 29, 2017

Invoice # 278373 Date Staked: Mar. 31, 2017 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



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

DATUM: NAD-27
 LAT: 34°59'59.4"N
 LONG: 97°36'59.5"W
 LAT: 34.999842047°N
 LONG: 97.616522912°W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2114850
 Y: 606688

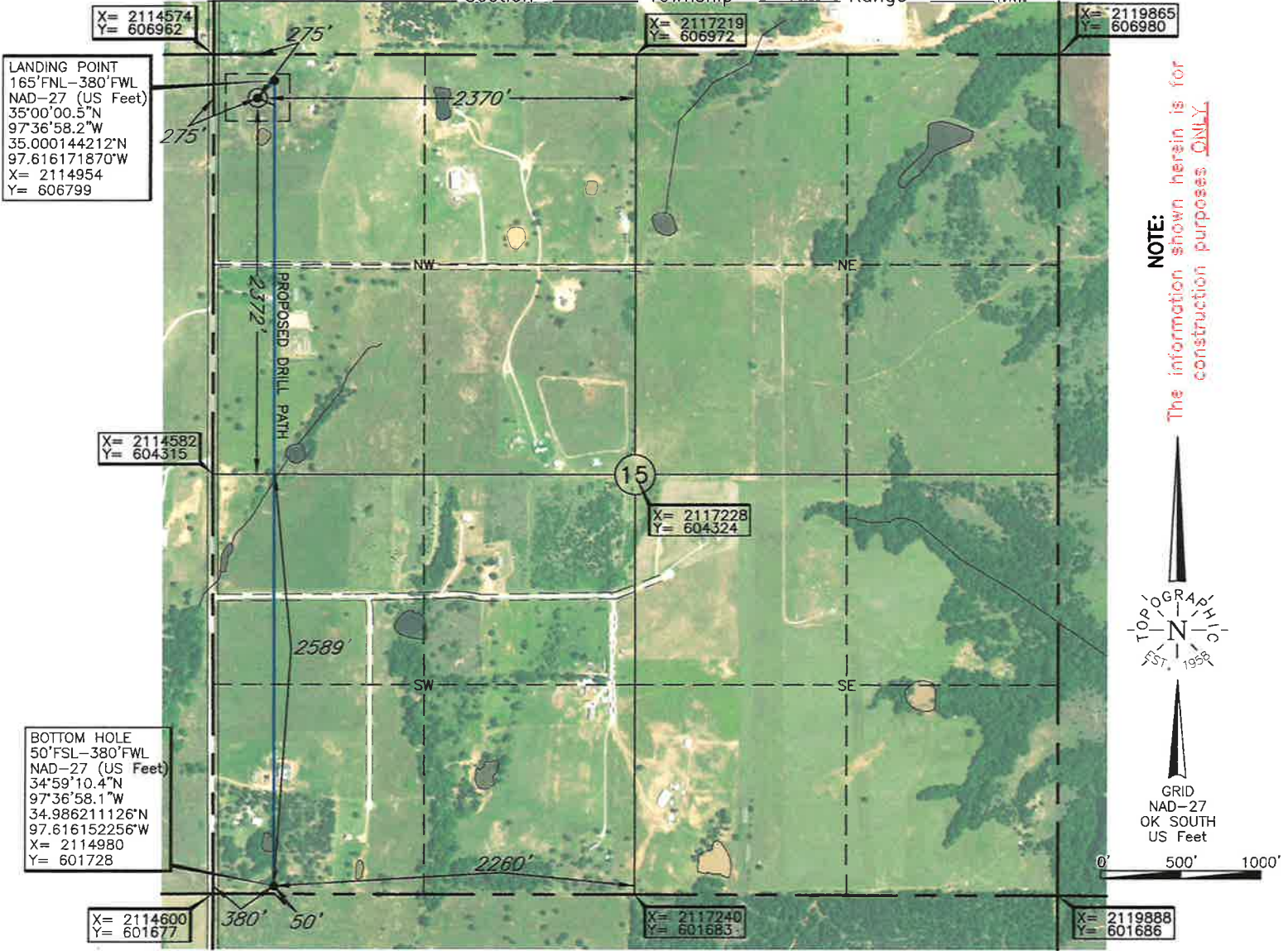
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

275'FNL-275'FWL Section 15 Township 6N Range 4W I.M.



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

Operator: CASILLAS OPERATING, LLC

Lease Name: ZIMA Well No.: 1-15MH **ELEVATION:** 1187' Gr. at Stake

Topography & Vegetation Loc. fell in sloping horse pasture, ±190' North of pond

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

Best Accessibility to Location From West off county road

Distance & Direction From Criner, OK, go West ±3.0 miles, then North ±2.0 miles to the NW Cor. of Sec. 15-T6N-R4W.

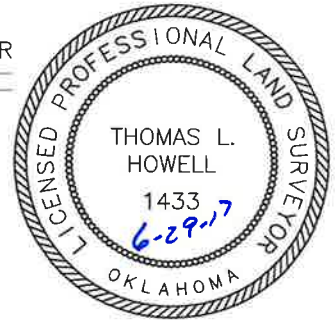
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

DATUM: NAD-27
 LAT: 34°59'59.4"N
 LONG: 97°36'59.5"W
 LAT: 34.999842047°N
 LONG: 97.616522912°W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2114850
 Y: 606688

Date of Drawing: June 29, 2017
 Invoice # 278373 Date Staked: Mar. 31, 2017 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

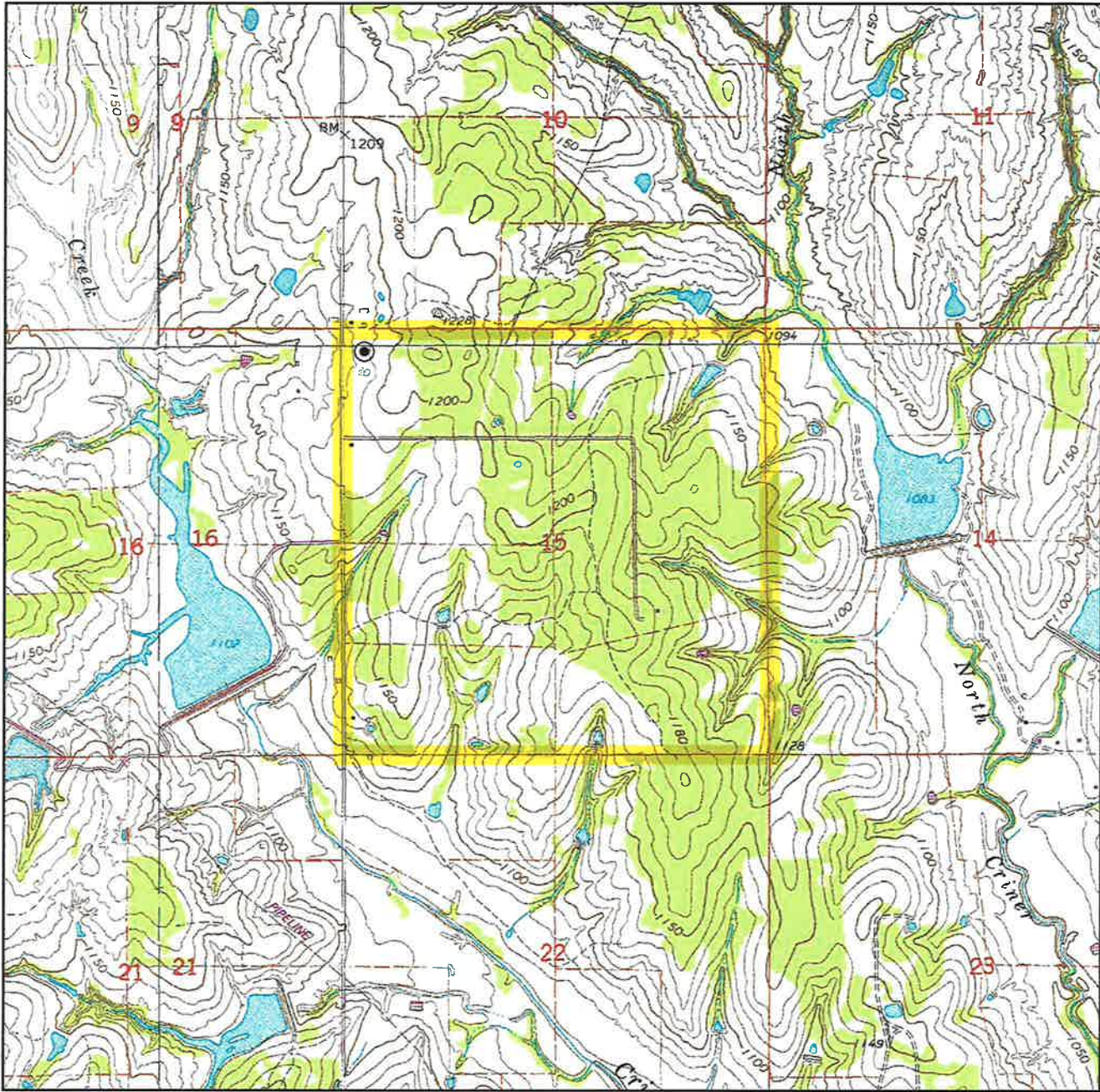
Thomas L. Howell
 Oklahoma Lic. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 15 Twp. 6N Rng. 4W IM

County MCCLAIN State OK

Operator CASILLAS OPERATING, LLC

Description 275'FNL-275'FWL

Lease ZIMA 1-15MH

Elevation 1187' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map DIBBLE, 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.



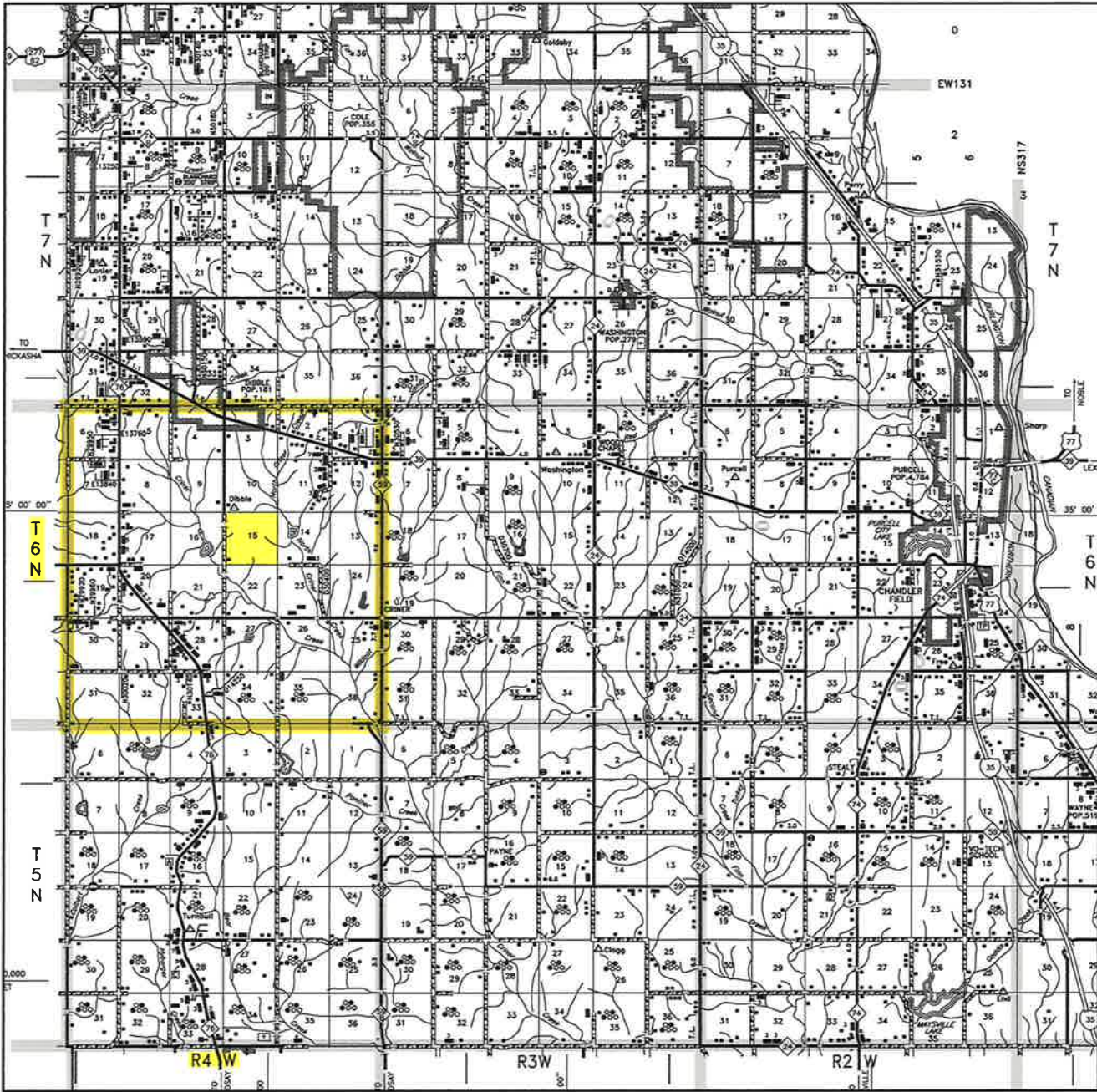
LAND SURVEYORS OF OKLAHOMA

Mar. 31, 2017

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

VICINITY MAP



Scale: 1" = 3 Miles

Sec. 15 Twp. 6N Rng. 4W IM

County MCCLAIN State OK

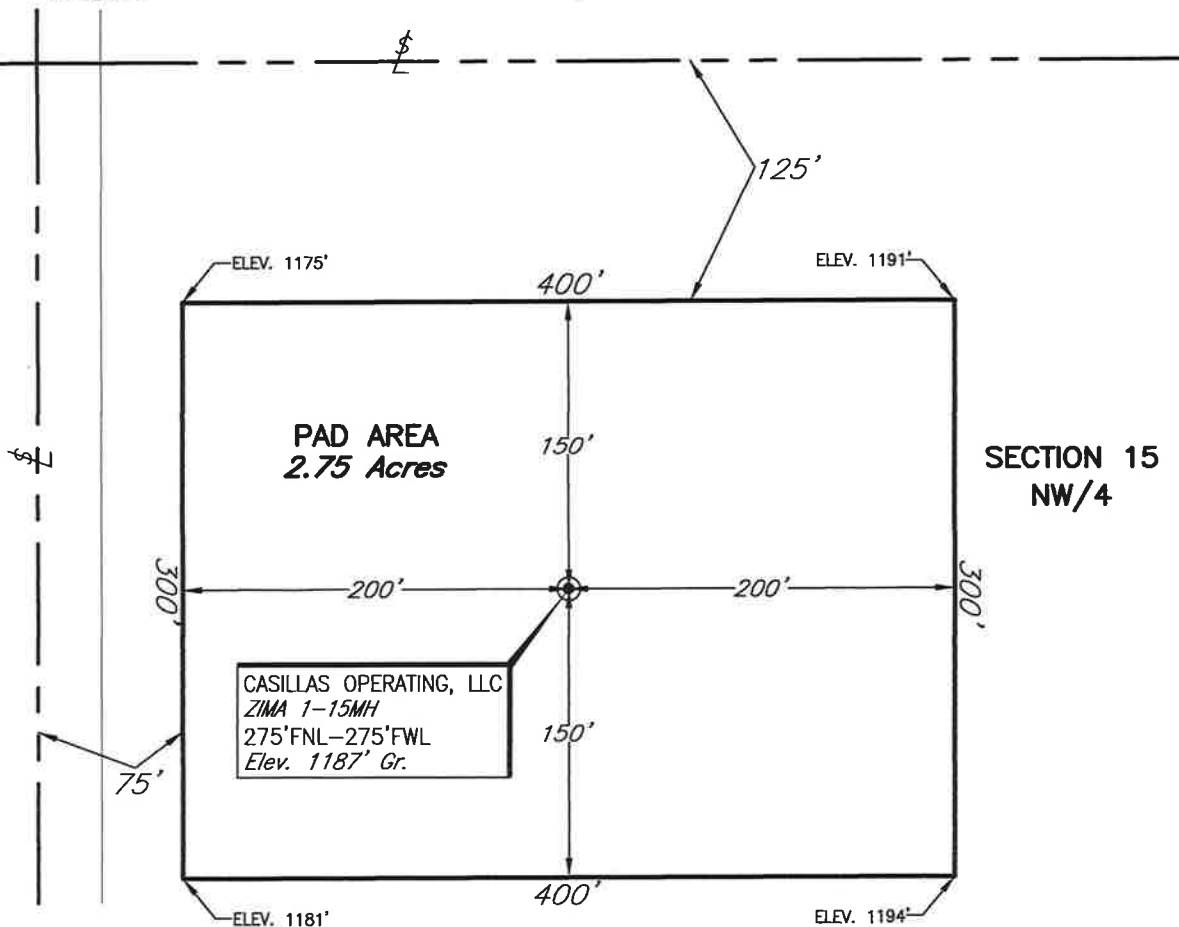
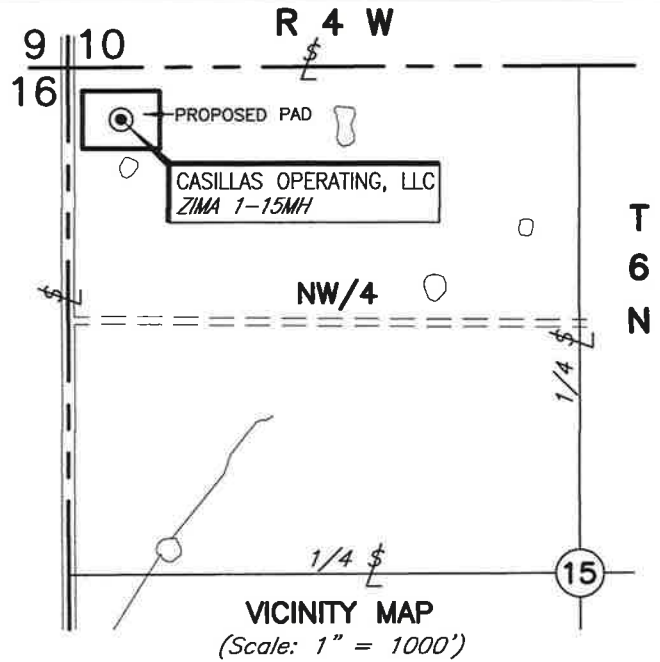
Operator CASILLAS OPERATING, LLC



LAND SURVEYORS OF OKLAHOMA

T 6 N - R 4 W
(INDIAN MERIDIAN)

PLAT SHOWING
PROPOSED PAD AREA IN THE
NW/4 OF SECTION 15, T6N - R4W
MCCLAIN COUNTY, OKLAHOMA



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

This plat was prepared exclusively for

CASILLAS OPERATING, LLC

and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.

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

SCALE: 1"=100'

DATE: 4-4-17

INVOICE NO.: 269899

FILE NAME: L2031A.DWG

DWG NO.: 103039-L2-031-A

SHEET 1 OF 1

1	NAME CHANGE	6-29-17	TR
NO.	REVISION	DATE	BY
SURV. BY:	JM	3-31-17	
DRAWN BY:	TR		
APPROVED BY:	TH		