

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

API NUMBER: 049 25239 B

Approval Date: 12/07/2018  
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas  
Multi Unit

Amend reason: UPDATED SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 3N Rge: 4W County: GARVIN  
SPOT LOCATION: SW SE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 1168 2109

Lease Name: BUD Well No: 6-12-1 WXH Well will be 1168 feet from nearest unit or lease boundary.  
Operator Name: CASILLAS OPERATING LLC Telephone: 9185825310 OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC  
401 S BOSTON AVE STE 2400  
TULSA, OK 74103-4060

MARY F. ENGLISH  
14387 E COUNTRY ROAD 1575  
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 WOODFORD	10903	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 677714

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808091  
201808095  
201808110

Special Orders:

Total Depth: 22917

Ground Elevation: 1144

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 260

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? N

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

G. Haul to recycling/re-use facility: Sec. 13 Twn. 3N Rng. 4W Cnty. 49 Order No: 680707

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 01 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NE NE NW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2305

Depth of Deviation: 10725

Radius of Turn: 562

Direction: 1

Total Length: 11630

Measured Total Depth: 22917

True Vertical Depth: 19999

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

Notes:

Category

Description

DEEP SURFACE CASING

11/18/2018 - 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

11/18/2018 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

11/18/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808091

12/5/2018 - G58 - (I.O.) 1 & 12-3N-4W  
EST MULTIUNIT HORIZONTAL WELL  
X677714 WDFD, OTHERS  
50% 1-3N-4W  
50% 12-3N-4W  
NO OP. NAMED  
REC 10/30/2018 (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.

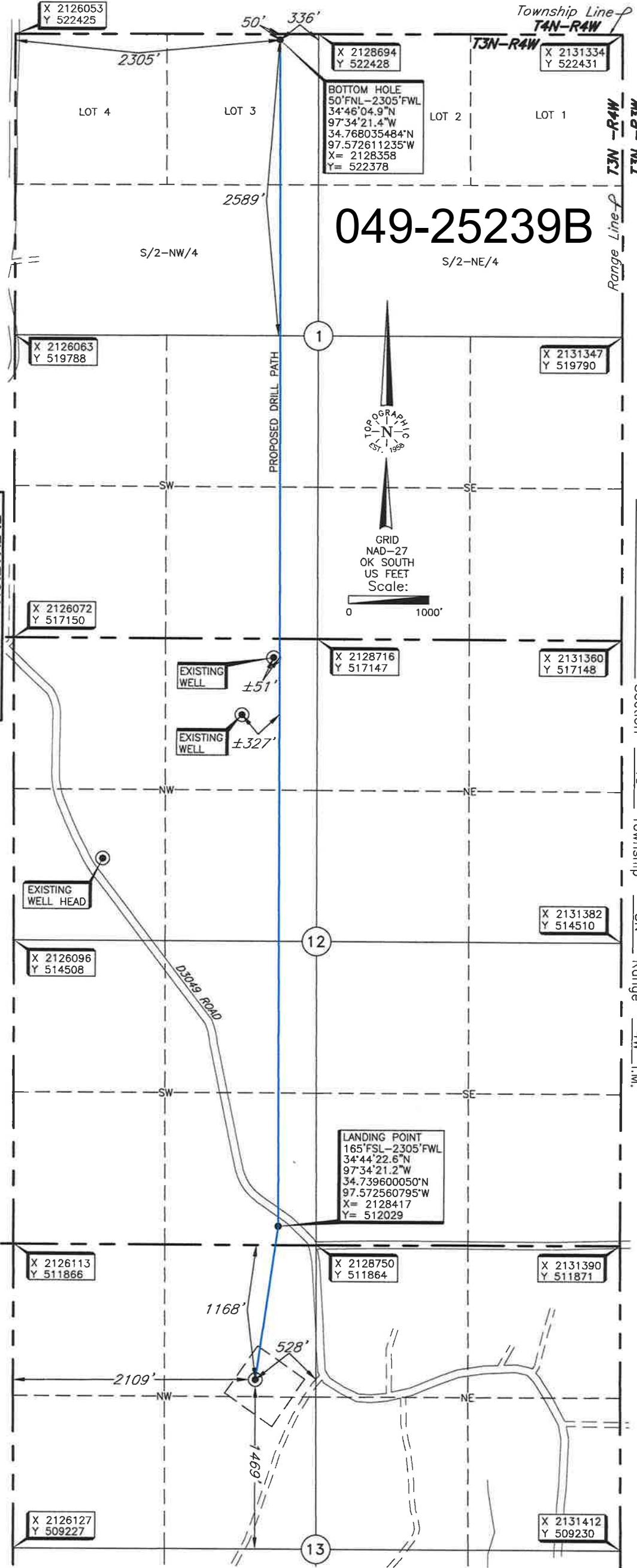
Category	Description
PENDING CD - 201808095	<p>12/5/2018 - G58 - (I.O.) 1 &amp; 12-3N-4W  X677714 WDFD, OTHERS  COMPL. INT. 12-3N-4W NCT 165' FSL, NCT 0' FNL, NCT 2255' FWL  COMPL. INT. 1-3N-4W NCT 0' FSL, NCT 165' FNL, NCT 2255' FWL  NO OP. NAMED  REC 10/30/2018 (JOHNSON)</p> <p>***SHOULD ADD EXCEPTION FOR PROPOSED WELL. WELL IS 385' FROM PROPOSED BUD 5-12-1WHX; WILL BE ADDED AT HEARING FOR INTERM ORDER PER ATTORNEY FOR OP.</p>
PENDING CD - 201808110	<p>12/5/2018 - G58 - 1 &amp; 12-3N-4W  X677714 WDFD  5 WELLS  NO OP. NAMED  REC 10/30/2018 (JOHNSON)</p>
SPACING - 677714	<p>12/5/2018 - G58 - (1280)(HOR) 1 &amp; 12-3N-4W  EXT 660070 WDFD, OTHERS  COMPL. INT. NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  (COEXIST SP ORDER 343360 WDFD; SP ORDER 346248 WDFD;***, SP ORDER 348687 WDFD;  SP ORDER 345241 WDFD; SP ORDER 349600 WDFD)</p> <p>*** SHOULD COEXIST SP ORDER 347970 WDFD; NPT FILED AND SUBMITTED TO OCC, OK PER MCCOY</p>

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THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS  
 GARVIN County, Oklahoma

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



Operator: CASILLAS OPERATING, LLC  
 Lease Name: BUD  
 Topography & Vegetation Loc. fall in pasture & trees, O/H power line ±80' East of pad & pipeline ±61' South of SE corner of pad.  
 Good Drill Site? Yes  
 Reference Stakes or Alternate Location Stakes Set None  
 Best Accessibility to Location From East off county road  
 Distance & Direction from Hwy Jct or Town From the Junction of St. Hwy. 19 and St. Hwy. 76 in Lindsay, OK, go South on State Hwy. 76 for ±5.5 miles, go East ±0.8 miles, go South ±1.7 miles to Lease Rd, West into Location in the SW/4 of Sec. 13-T3N-R4W

Well No.: 6-12-1WXH  
 ELEVATION: 1137' Gr. at Stake  
 DATUM: NAD-27  
 LAT: 34°44'09.4"N  
 LONG: 97°34'23.6"W  
 LAT: 34.7359404477N  
 LONG: 97.573208784W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK SOUTH  
 X: 2128228  
 Y: 510697

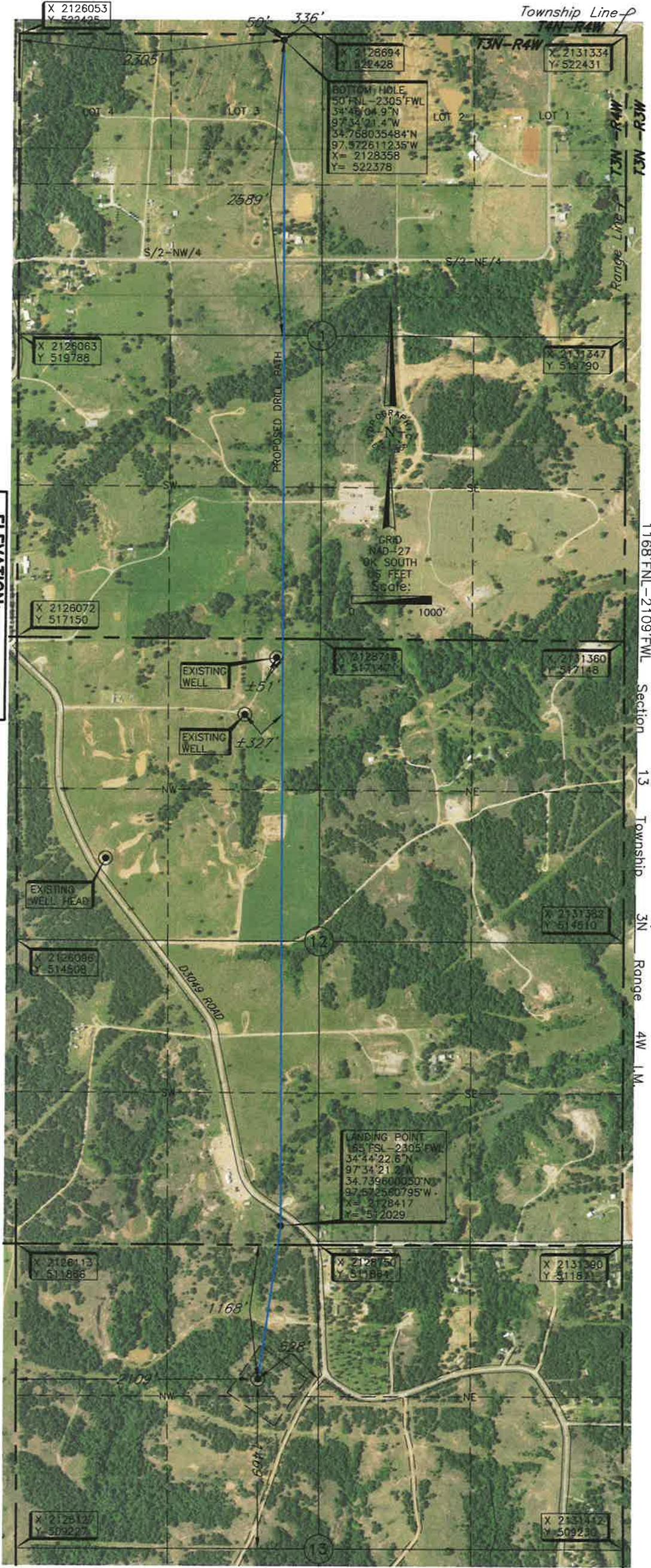
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.  
 Invoice # 306707 Date of Drawing: Nov. 20, 2018 TR  
 Date Staked: Nov. 19, 2018  
**CERTIFICATE:**  
 I, Dan W. Rogers, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.  
 Dan W. Rogers  
 Oklahoma Lic. No. 1200



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**ELEVATION:**  
 1137' Gr. at Stake

Well No.: 6-12-1WXH

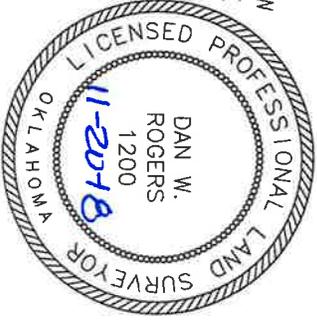
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 STATE PLANE  
 COORDINATES (US FEET):  
 ZONE: OK SOUTH  
 X: 2128228  
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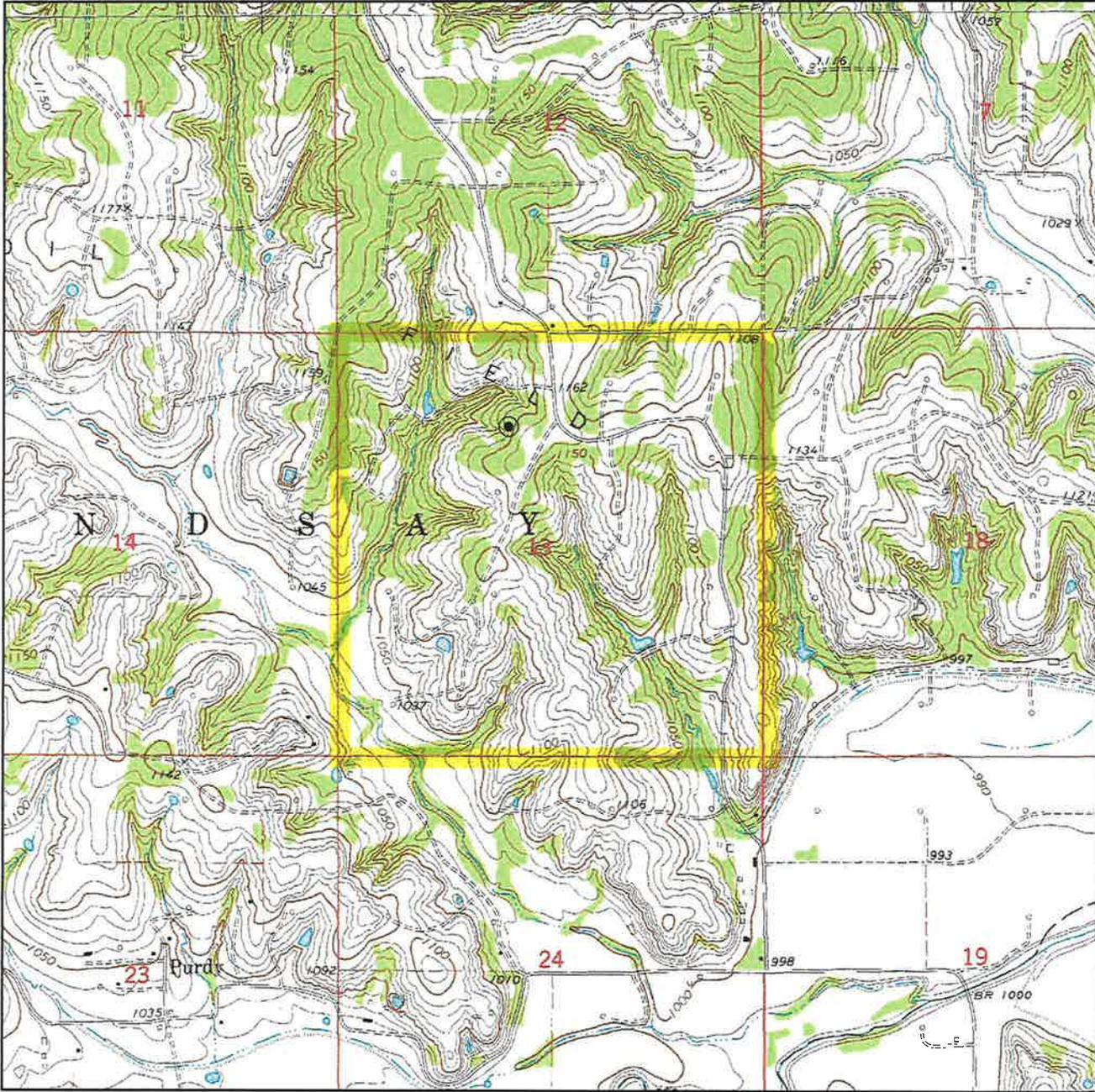
Dan W. Rogers  
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# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry  
13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com  
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 13 Twp. 3N Rng. 4W IM

County GARVIN State OK

Operator CASILLAS OPERATING, LLC

Description 1168'FNL-2109'FWL

Lease BUD 6-12-1WXH

Elevation 1137' Gr. at Stake

U.S.G.S. Topographic  
Quadrangle Map ELMORE CITY, 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.



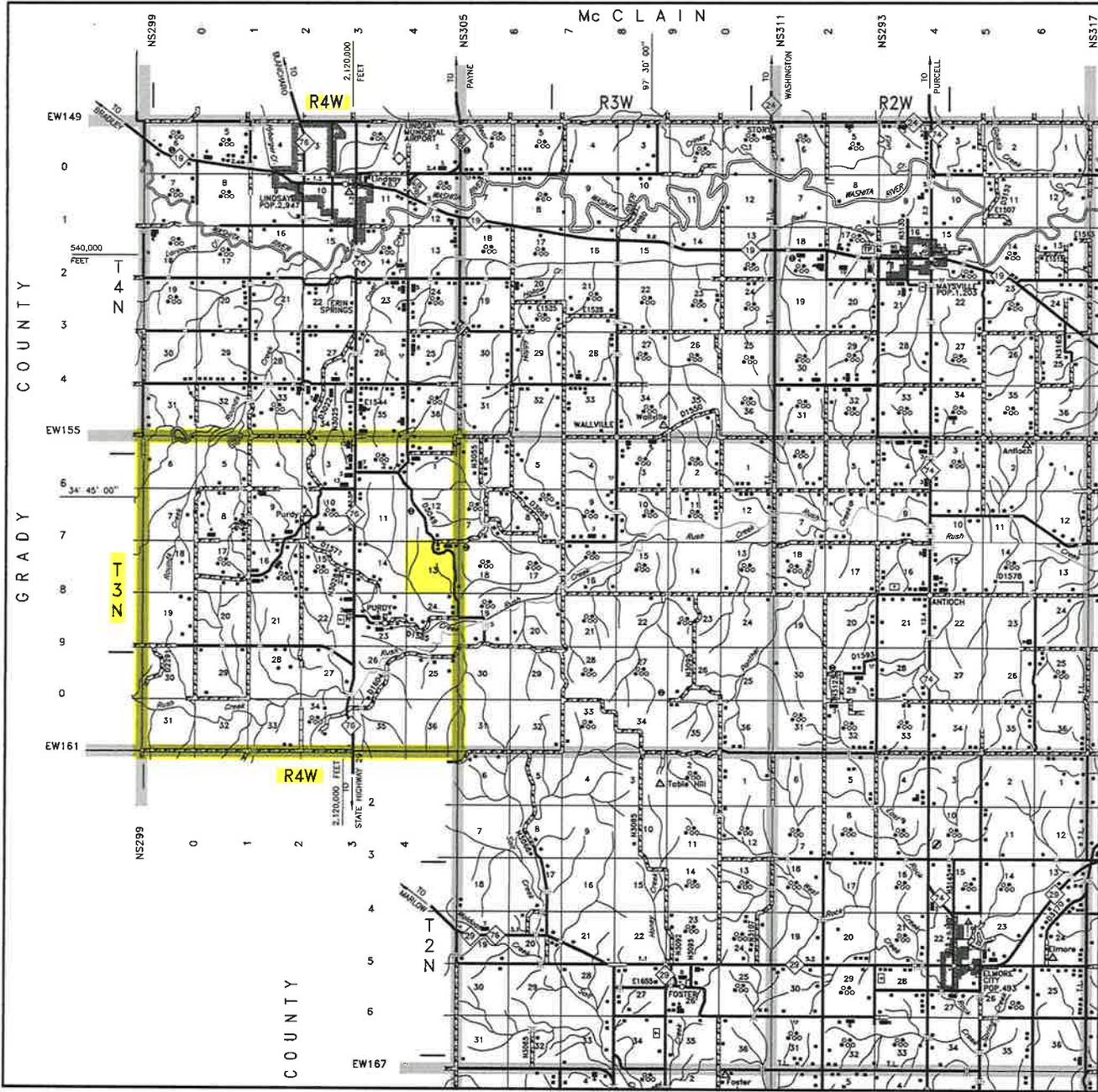
LAND SURVEYORS OF OKLAHOMA

Nov. 19, 2018

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 13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com  
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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 13 Twp. 3N Rng. 4W IM

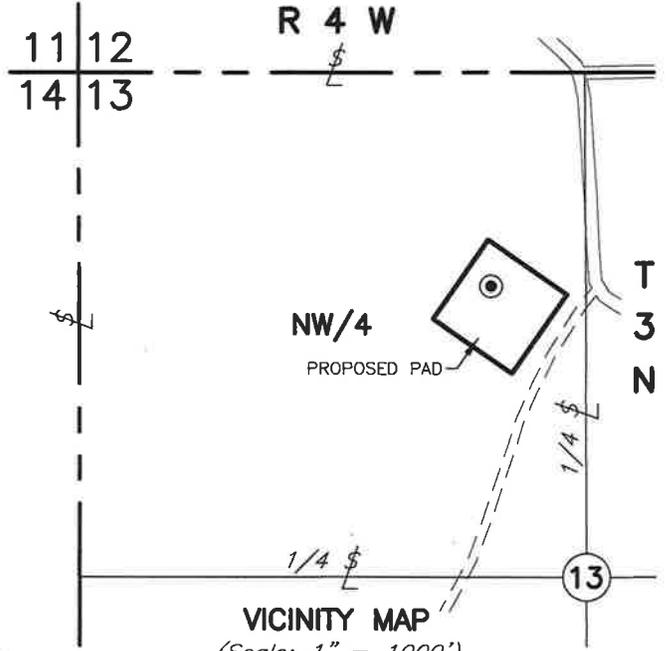
County GARVIN State OK

Operator CASILLAS OPERATING, LLC



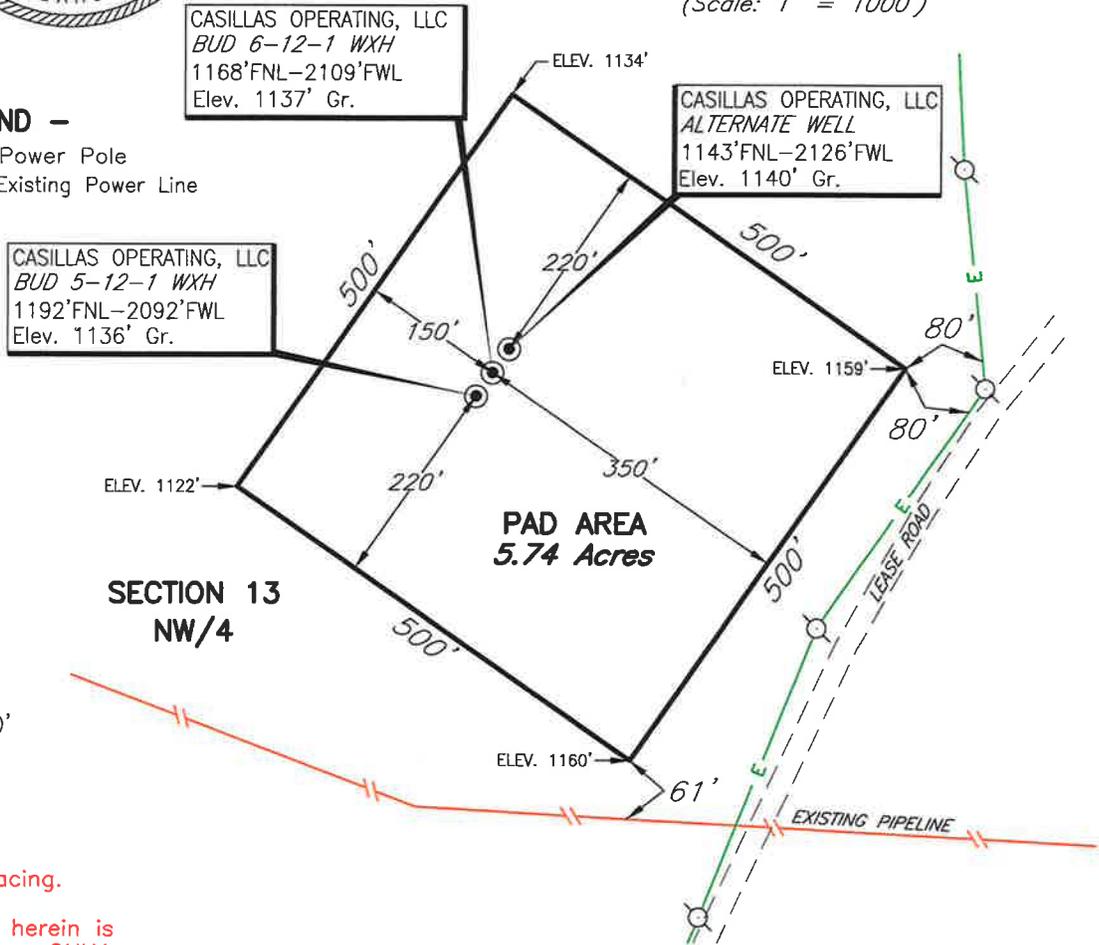
# T 3 N - R 4 W (INDIAN MERIDIAN)

PLAT SHOWING  
PROPOSED PAD AREA IN THE  
NW/4 OF SECTION 13, T3N - R4W  
GARVIN COUNTY, OKLAHOMA



**LEGEND**

- = Power Pole
- = Existing Power Line



**NOTES:**  
Wells have 30' spacing.

The information shown herein is for construction purposes ONLY.

3	GENERAL	11/18/18	TR
2	GENERAL	11/16/18	TR
NO.	REVISION	DATE	BY
SUR. BY: TC 10/8/18			
DRAWN BY: TAW			
APPROVED BY: TH			

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"=200'
DATE: 10/9/2018
INVOICE NO.: 304708
FILE NAME: L2118A.DWG
DWG NO.: 103039-L2-118-A
SHEET 1 OF 1