

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

API NUMBER: 049 25240

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

Horizontal Hole Oil & Gas

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: 1118 2143

Lease Name: BUD Well No: 5-12-1 WXH Well will be 170 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. COUNTY 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: 201808087
201808088
201808110

Special Orders:

Total Depth: 22837

Ground Elevation: 1143

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: No

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: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1920

Depth of Deviation: 10645

Radius of Turn: 562

Direction: 1

Total Length: 11630

Measured Total Depth: 22837

True Vertical Depth: 10903

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

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 - 201808087

12/4/2018 - 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)

PENDING CD - 201808088

12/4/2018 - G58 - (I.O.) 1 & 12-3N-4W
X677714 WDFD, OTHERS
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EMERSON 1-1 WELL***
COMPL. INT. 12-3N-4W NCT 165' FSL, NCT 0' FNL, NCT 1870' FWL
COMPL. INT. 1-3N-4W NCT 0' FSL, NCT 165' FNL, NCT 1870' FWL
NO OP. NAMED
REC 10/30/2018 (JOHNSON)

***SHOULD ADD EXCEPTION FOR PROPOSED WELL. WELL IS 385' FROM PROPOSED BUD 4-12-1WHX; WILL BE ADDED AT HEARING FOR INTERM ORDER PER ATTORNEY FOR OP.

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.

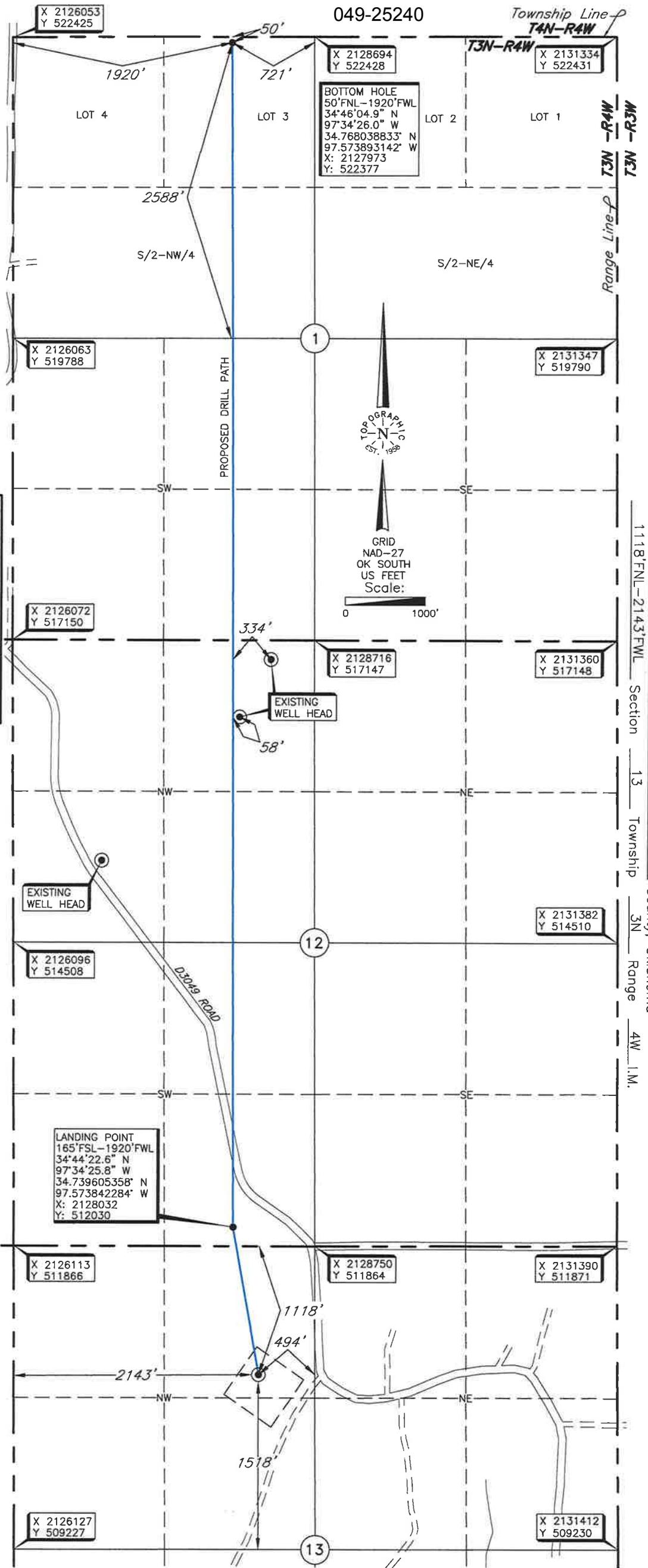
Category	Description
PENDING CD - 201808110	12/4/2018 - G58 - 1 & 12-3N-4W X677714 WDFD 5 WELLS NO OP. NAMED REC 10/30/2018 (JOHNSON)
SPACING - 677714	12/4/2018 - G58 - (1280)(HOR) 1 & 12-3N-4W EXT 660070 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP ORDER 343360 WDFD; SP ORDER 346248 WDFD;***, SP ORDER 348687 WDFD; SP ORDER 345241 WDFD; SP ORDER 349600 WDFD) *** SHOULD COEXIST SP ORDER 347970 WDFD; NPT FILED AND SUBMITTED TO OCC, OK PER MCCOY

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.

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. fell 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 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.

ELEVATION:
 1143' Gr. at Stake
 Well No.: 5-12-1WXH
 DATUM: NAD-27
 LAT: 34°44'09.9\"N
 LONG: 97°34'23.1\"W
 LAT: 34.7360754511N
 LONG: 97.573094332W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2128262
 Y: 510746

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
 Invoice # 303888 Date of Drawing: Oct. 3, 2018
 Date Staked: Sept. 28, 2018 TAW

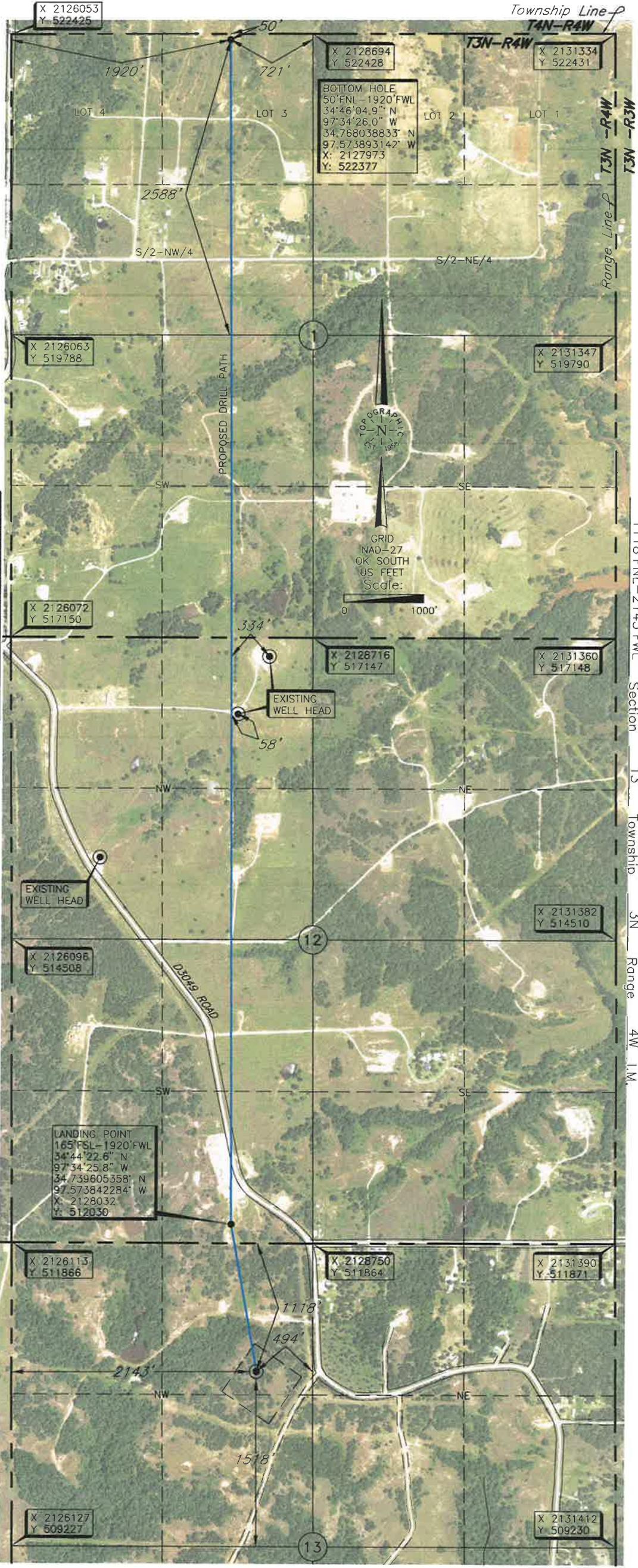
CERTIFICATE:
 I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.
 Thomas L. Howell
 1433
 10-5-18
 LICENSED PROFESSIONAL LAND SURVEYOR
 THOMAS L. HOWELL
 1433
 OKLAHOMA

Oklahoma Lic. No. 1433

[THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY]

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. fell in pasture & trees. O/H power line ±80' East of pad & pipeline ±61' South of SE corner of pad.
 Good Drill Site? Yes
 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.: 5-12-1WXH
 ELEVATION: 1143' Gr. at Stake
 DATUM: NAD-27
 LAT: 34°44'09.9"N
 LONG: 97°34'23.1"W
 LAT: 34.736075451°N
 LONG: 97.573094332°W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 2128262
 Y: 510746

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
 Invoice # 303888 Date of Drawing: Oct. 3, 2018
 Date Staked: Sept. 28, 2018 TAW

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

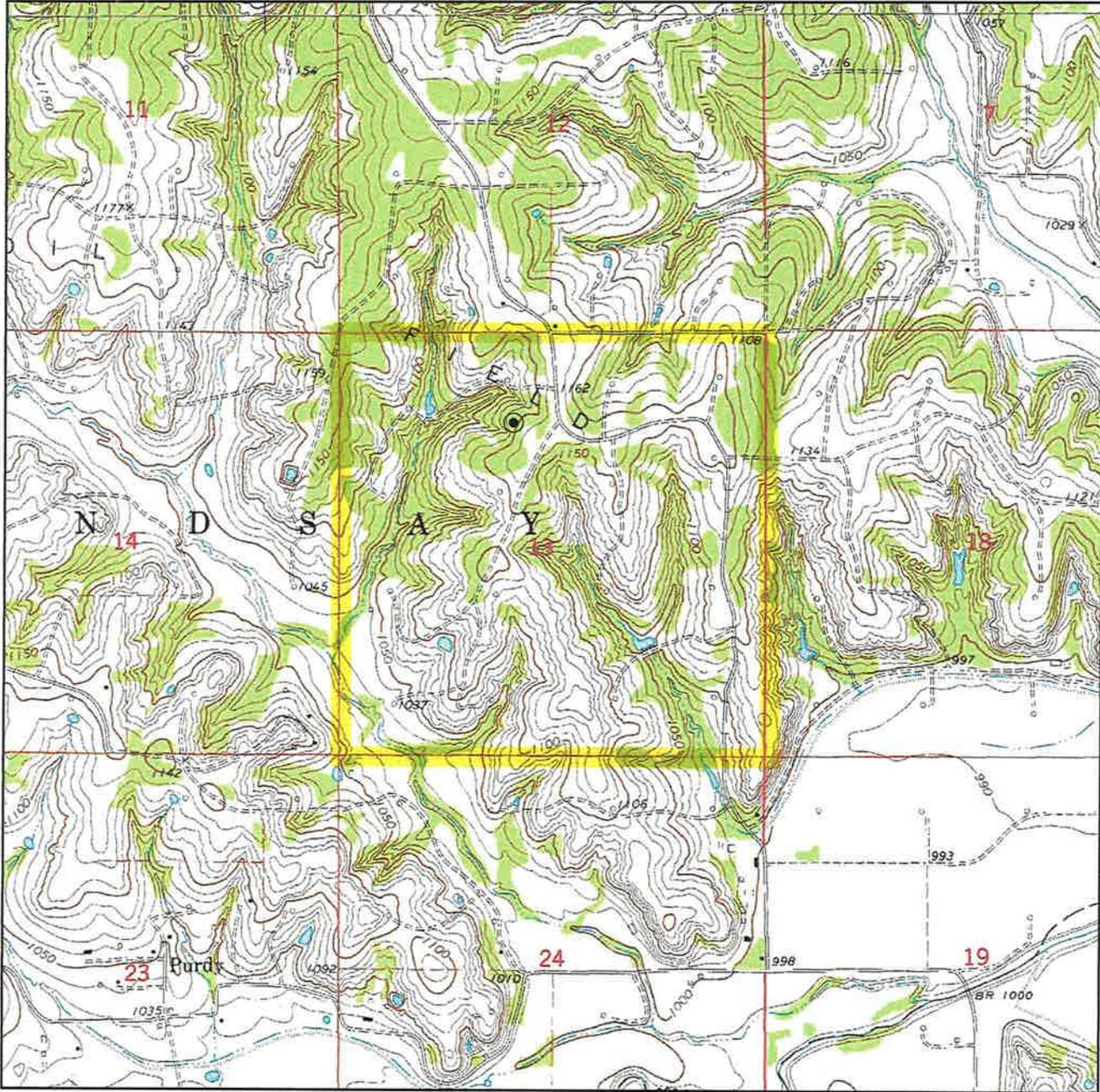
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

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 1118'FNL-2143'FWL

Lease BUD 5-12-1WXH

Elevation 1143' 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.



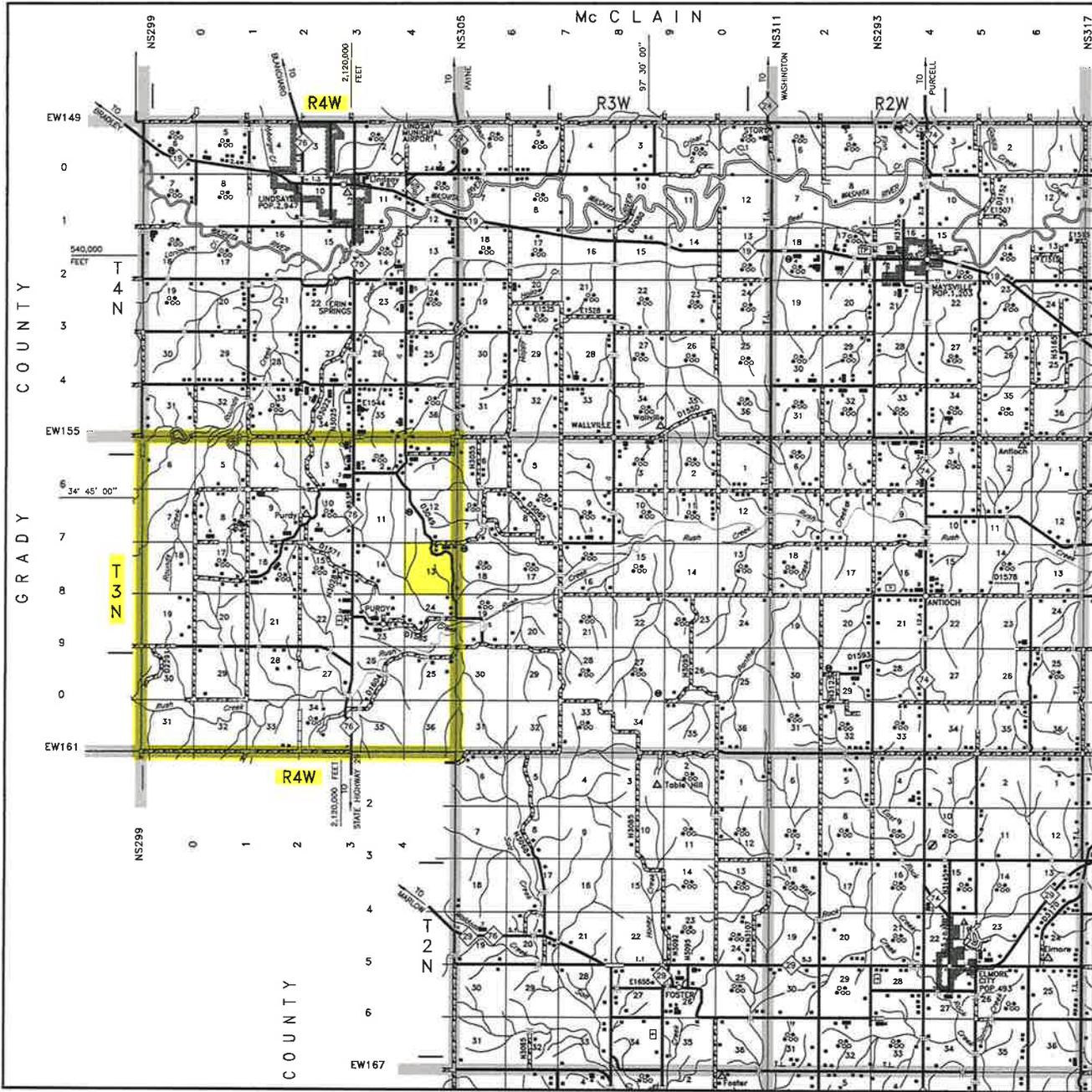
LAND SURVEYORS OF OKLAHOMA

Sept. 28, 2018

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

VICINITY MAP



Scale: 1" = 3 Miles

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

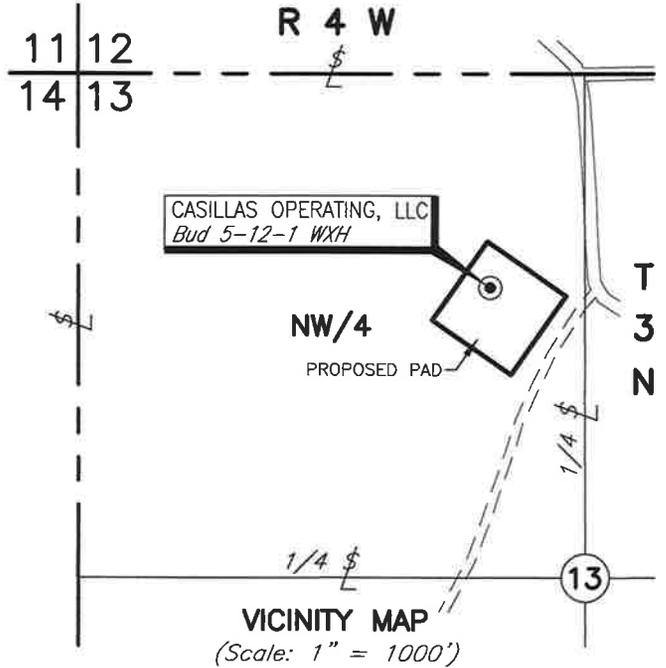
County GARVIN State OK

Operator CASILLAS OPERATING, LLC



T 3 N - R 4 W
(INDIAN MERIDIAN)

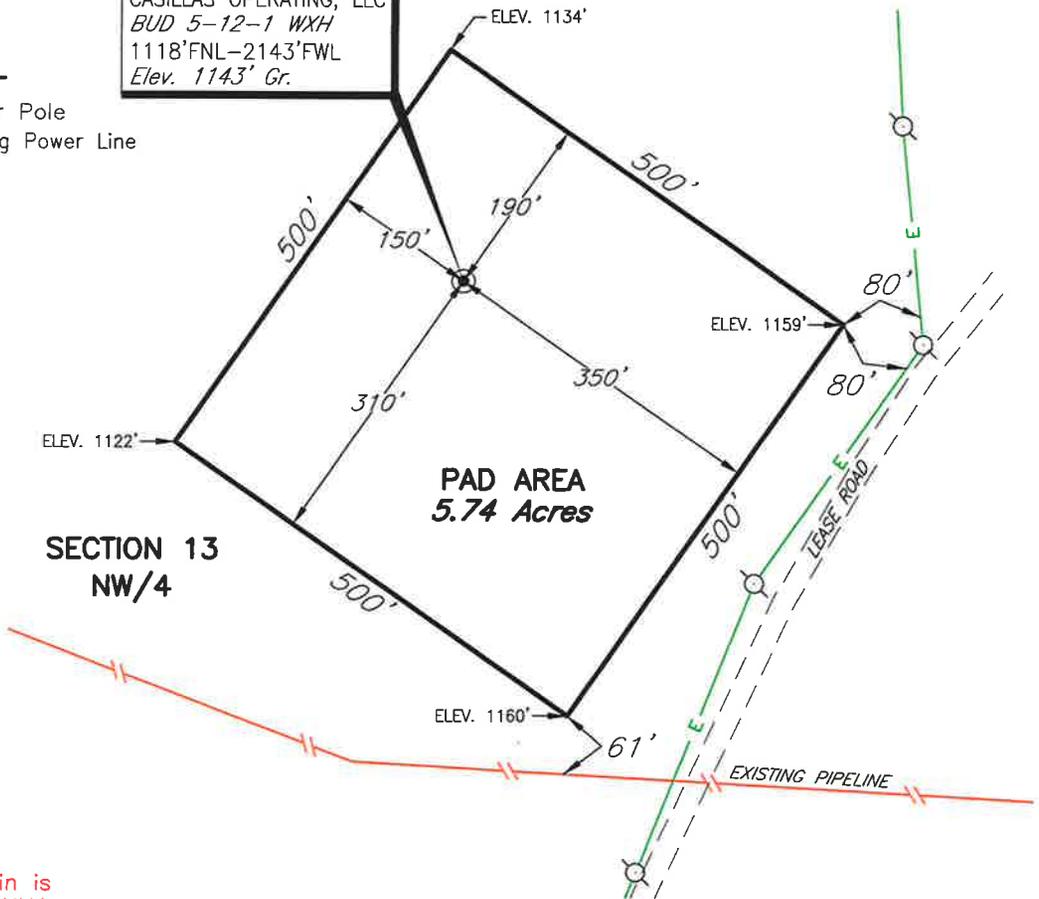
PLAT SHOWING
PROPOSED PAD AREA IN THE
NW/4 OF SECTION 13, T3N - R4W
GARVIN COUNTY, OKLAHOMA



CASILLAS OPERATING, LLC
BUD 5-12-1 WXH
1118' FNL-2143' FWL
Elev. 1143' Gr.

— LEGEND —

- = Power Pole
- = Existing Power Line



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		SCALE: 1"=200'
NO.	REVISION	DATE	BY	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		DATE: 10/03/2018
SUR. BY: PJ						INVOICE NO.: 303888
DRAWN BY: TAW						FILE NAME: L2118A.DWG
APPROVED BY: TH						DWG NO.: 103039-L2-118-A
						SHEET 1 OF 1