

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

API NUMBER: 049 25224

Approval Date: 10/09/2018

Expiration Date: 04/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 4N Rge: 4W

County: GARVIN

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 227 391

Lease Name: CORONA

Well No: 1-31-30WXH

Well will be 227 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

CHRISTOPHER & KELLI CONWAY
15596 NORTH COUNTY ROAD 3050
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	WOODFORD	10880	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800190
201806474
681001

Special Orders:

Total Depth: 21155

Ground Elevation: 1132

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 310

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: 18-35159

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 30 Twp 4N Rge 3W County GARVIN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 10609

Radius of Turn: 500

Direction: 1

Total Length: 9984

Measured Total Depth: 21155

True Vertical Depth: 10880

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

Notes:

Category

Description

DEEP SURFACE CASING

10/2/2018 - 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

10/2/2018 - 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; 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

10/2/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201800190

10/9/2018 - G58 - (I.O.) 30 & 31-4N-3W
EST MULTIUNIT HORIZONTAL WELL
X681001 WDFD, OTHER 30-4N-3W
X681622 WDFD, OTHER 31-4N-3W
50% 30-4N-3W
50% 31-4N-3W
NO OP. NAMED
REC 5/22/2018 (JOHNSON)

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

049 25224 CORONA 1-31-30WXH

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 - 201806474	10/9/2018 - G58 - (I.O.) 30 & 31-4N-3W X681001 WDFD, OTHER 30-4N-3W X681622 WDFD, OTHER 31-4N-3W COMPL. INT. 31-4N-3W NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. 30-4N-3W NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 9/4/2018 (DUNN)
SPACING - 681001	10/9/2018 - G58 - (640)(HOR) 30-4N-3W EST OTHER EXT 660818 WDFD, OTHER COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 201777 OTHERS)
SPACING - 681622	10/9/2018 - G58 - (640)(HOR) 31-4N-3W EST WDFD, OTHER COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 201777 OTHER; SP. ORDER 346083 WDFD, OTHER; SP. ORDER 385893 WDFD)

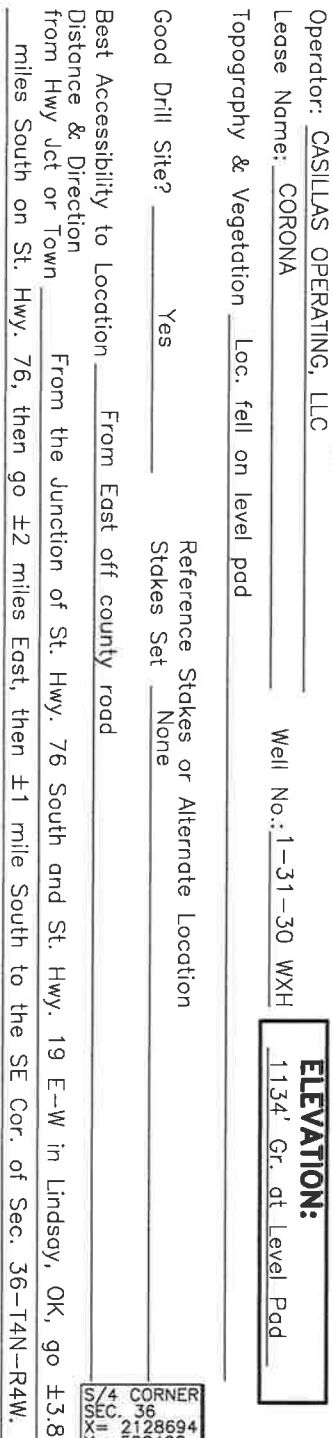
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

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

227'FSL-391'FEL Section 36 Township 4N Range 4W I.M.



ELEVATION:

Well No.: 1-31-30 WXH

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

miles South on St. Hwy. 76, then go ± 2 miles East, then ± 1 mile South to the SE Cor. of Sec. 36-T4N-R4W.

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

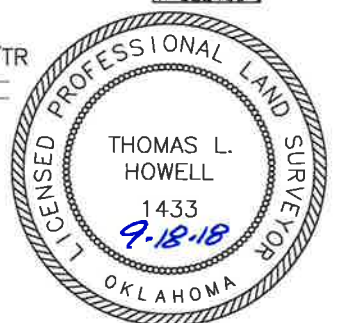
Date of Drawing: Sept. 18, 2018

Invoice # 301698A Date Staked: Sept. 18, 2018

AC/TR

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. Havel
Oklahoma Lic. No. 1433



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

DATUM: NAD-27
LAT: 34°46'07.6"N
LONG: 97°33'50.4"W
LAT: 34.768774612°N
LONG: 97.564003423°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2130942
Y: 522658

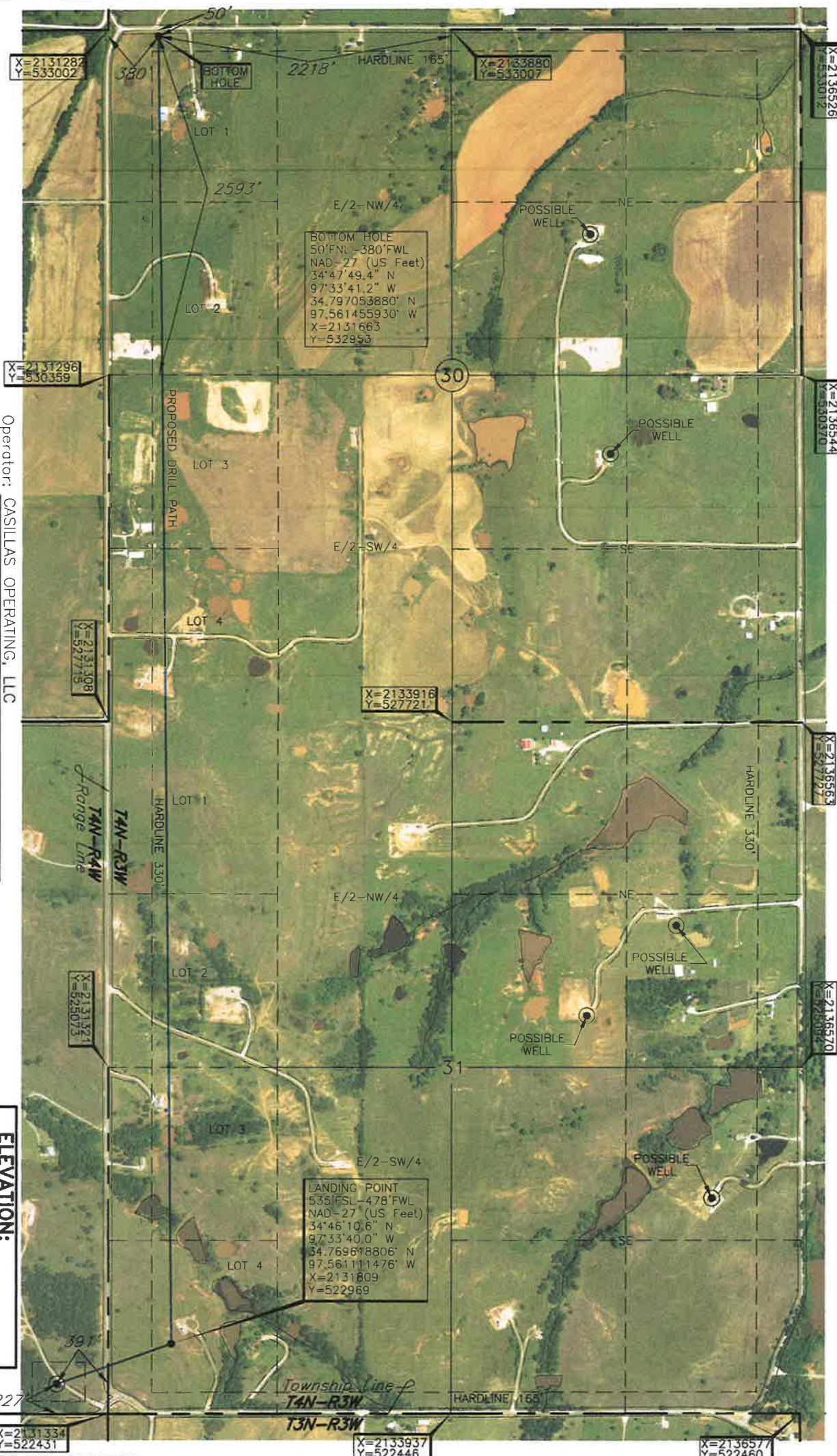
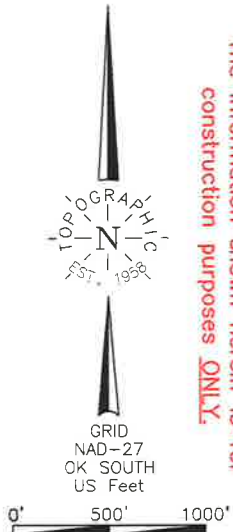
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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Certificate of Authorization No. 1293 LS

GARVIN

County, Oklahoma

227'FSL-391'FEL Section 36 Township 4N Range 4W I.M.



Operator: CASILLAS OPERATING, LLC
Lease Name: CORONA
Topography & Vegetation Loc. fell on level 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. 76 South and St. Hwy. 19 E-W in Lindsay, OK, go ±3.8 miles South on St. Hwy. 76, then go ±2 miles East, then ±1 mile South to the SE Cor. of Sec. 36-T4N-R4W.

ELEVATION:
1134' Gr. at Level Pad

SE 1/4 CORNER
SEC. 36
X=2128694
Y=522428

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

Date of Drawing: Sept. 18, 2018

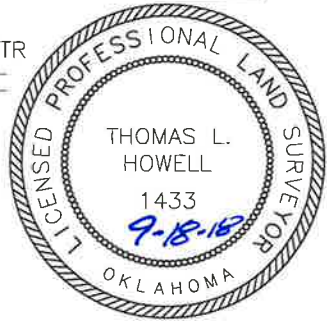
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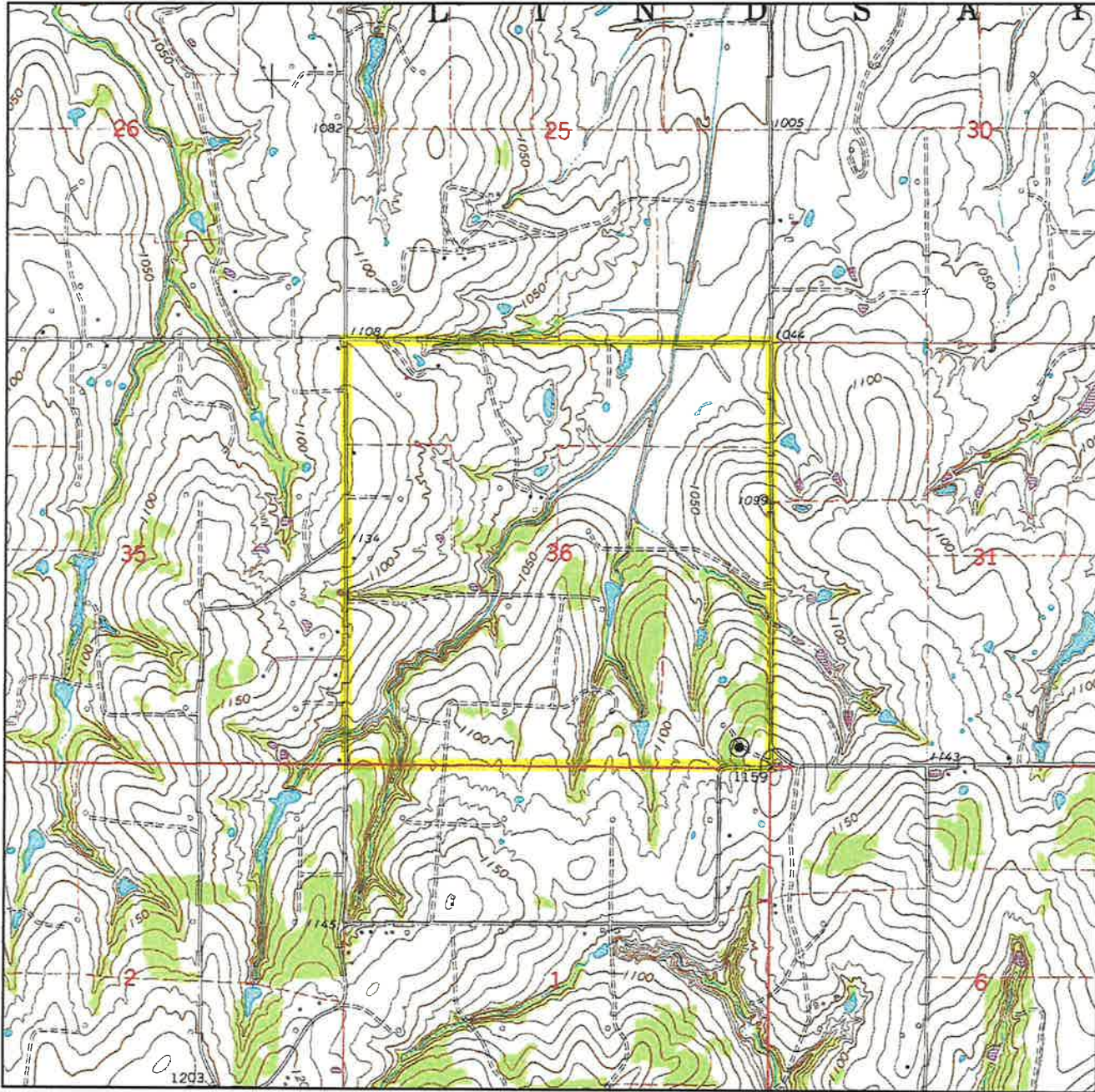
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 36 Twp. 4N Rng. 4W IM

County GARVIN State OK

Operator CASILLAS OPERATING, LLC

Description 227'FSL-391'FEL

Lease CORONA 1-31-30 WXH

Elevation 1134' Gr. at Level Pad

U.S.G.S. Topographic
Quadrangle Map LINDSAY, 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. 18, 2018

Surveying and Mapping for the Energy Industry
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This is a detailed topographic map of a section of Grady County, Oklahoma. The map is oriented with North at the top. It shows a grid of townships and ranges. The townships are labeled T2N, T3N, and T4N. The ranges are labeled R2W, R3W, and R4W. The map includes a grid of section numbers (1-36) and various geographical features like roads, rivers, and buildings. A scale bar indicates 540,000 feet. The map is oriented with North at the top.

LAND SURVEYORS OF OKLAHOMA