

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

API NUMBER: 045 23788

Approval Date: 03/19/2019

Expiration Date: 09/19/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 16N Rge: 23W County: ELLIS

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 10 825

Lease Name: RVR INC

Well No: 16-23 9-16H1

Well will be 10 feet from nearest unit or lease boundary.

Operator Name: PPP PETROLEUM LP

Telephone: 2142316832

OTC/OCC Number: 23356 0

PPP PETROLEUM LP  
2101 CEDAR SPRINGS RD STE 1800  
DALLAS , TX 75201-1585

RVR INC  
7147 E. 138 RD  
HOLDENVILLE OK 74848

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

Name	Depth	Name	Depth
1 CLEVELAND	9937	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900682  
201900681  
201900683

Special Orders:

Total Depth: 19955

Ground Elevation: 2151

Surface Casing: 740

Depth to base of Treatable Water-Bearing FM: 490

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 14000 Average: 5000

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: OGALLALA

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

PERMIT NO: 18-36019

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: OGALLALA

HORIZONTAL HOLE 1

Sec 16 Twp 16N Rge 23W County ELLIS

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 9244

Radius of Turn: 568

Direction: 179

Total Length: 9818

Measured Total Depth: 19955

True Vertical Depth: 9937

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

3/5/2019 - 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

3/5/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201900681

3/19/2019 - GB1 - (640)(HOR) 9 & 16-16N-23W  
VAC 122779 CLVD  
EXT 678563 CLVD  
POE TO BHL NLT 660' FB  
REC 3/4/2019 (DENTON)

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

045 23788 RVR INC 16-23 9-16H1

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Category	Description
PENDING CD - 201900682	3/19/2019 - GB1 - (I.O.) 9 & 16-16N-23W EST MULTIUNIT HORIZONTAL WELL X201900681 CLVD 50% 9-16N-23W 50% 16-16N-23W PPP PETROLEUM, LP REC. 3/4/2019 (DENTON)
PENDING CD - 201900683	3/19/2019 - GB1 - (I.O.) 9 & 16-16N-23W X201900681 CLVD COMPL. INT. (9-16N-23W) NCT 0' FSL, NCT 165' FNL, NCT 660' FEL COMPL. INT. (16-16N-23W) NCT 165' FSL, NCT 0' FNL, NCT 660' FEL NO OP. NAMED REC. 3/4/2019 (DENTON)

ELLIS

County, Oklahoma

10'FNL - 825'FEL Section 9 Township 16N Range 23W I.M.

X 1509751  
Y 325578

X 1512418  
Y 326536

X 1515086  
Y 325493

LANDING POINT

LANDING POINT  
485'FNL-813'FEL  
NAD-27 (US Feet)  
35°52'53.9" N  
99°38'22.9" W  
35.881626596° N  
99.639694043° W  
X=1514268  
Y=325021

X 1509736  
Y 322940

X 1515061  
Y 322854

X 1515035  
Y 320215

X 1515055  
Y 317577

PROPOSED DRILL PATH

X 1512378  
Y 320255

X 1509720  
Y 320302

X 1509725  
Y 317664

BOTTOM HOLE  
185'FSL-660'FEL  
NAD-27 (US Feet)  
35°51'15.9" N  
99°38'19.1" W  
35.854421225° N  
99.638638210° W  
X=1514413  
Y=315114

BOTTOM HOLE

X 1512402  
Y 314982

X 1515075  
Y 314939



GRID  
NAD-27  
OK NORTH  
US Feet

0' 500' 1000'

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY

Operator: PEREGRINE PETROLEUM

Lease Name: RVR INC 16-23

Well No.: 9-16 H1

ELEVATION:  
2151' Gr. at Stake

Topography & Vegetation Loc. fell in rolling pasture with sand hills and scrub brush

Good Drill Site? Yes

Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From North off lease road

Distance & Direction

From Hwy Jct or Town From Pock saddle, OK, go ±4.5 mi. East on paved road, then ±1.0 mi. South

on lease road to the NW Cor. of Sec. 9-T16N-R23W

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

Date of Drawing: Mar. 07, 2019

Invoice # 124754

Date Staked: Nov. 05, 2018

AC

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



DATUM: NAD-27  
LAT: 35°52'58.6"N  
LONG: 99°38'23.1"W  
LAT: 35.882930868° N  
LONG: 99.639744680° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1514261  
Y: 325496

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



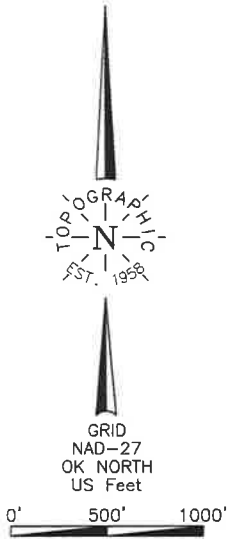
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

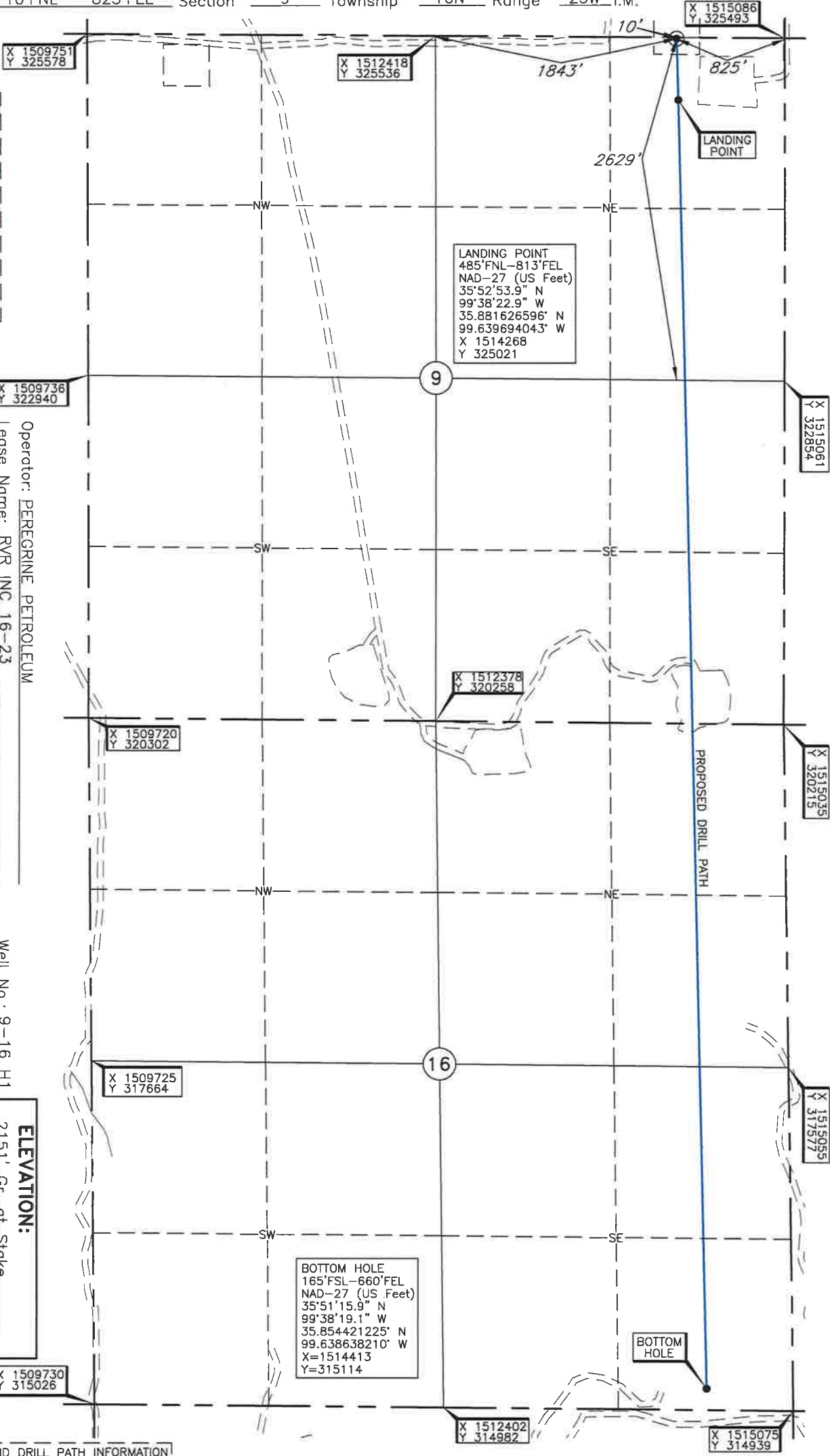
ELLIS

County, Oklahoma

10'FNL - 825'FEL Section 9 Township 16N Range 23W I.M.



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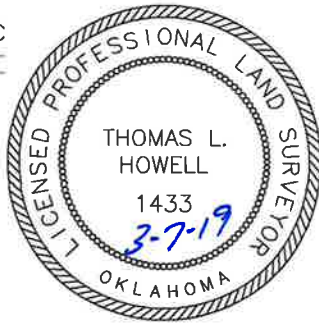
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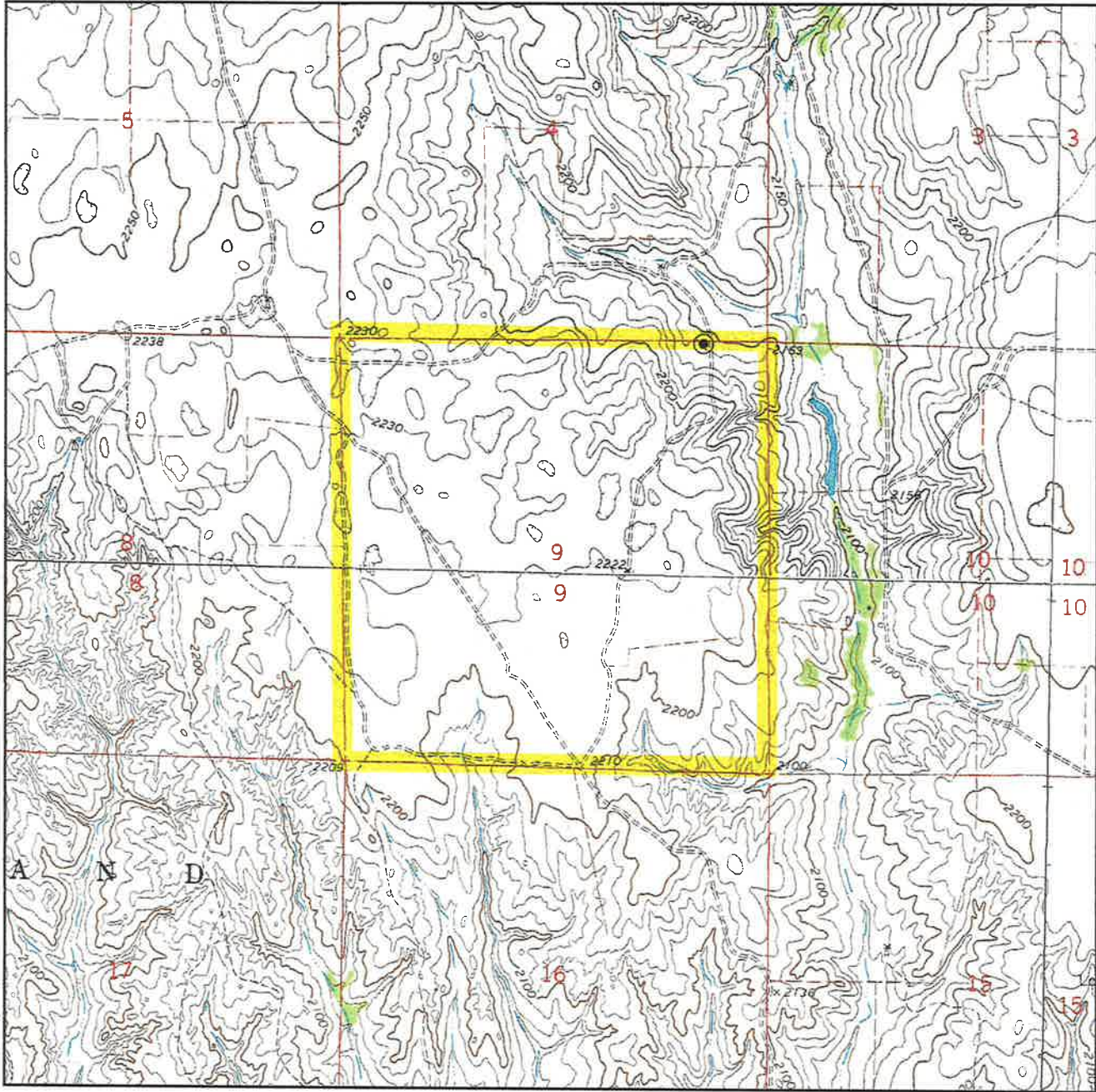
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, OK. 73134 [www.topographic.com](http://www.topographic.com)

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

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 9 Twp. 16N Rng. 23W IM

County ELLIS State OK

Operator PEREGRINE PETROLEUM

Description 10'FNL - 825'FEL

Lease RVR INC 16-23 9-16 H1

Elevation 2151' Gr. at Stake

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**

Nov. 05, 2018



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The map is a topographic representation of the study area, overlaid with a grid. Township 16 North and Range 23 West are highlighted in yellow. The Cheyenne River flows along the western and southern boundaries. Other geographical features include Little Cottonwood Lake, Peck Creek, and several peaks marked with triangles. A scale bar at the bottom indicates a distance of 340,000 feet. The proposed road alignment is shown as a dashed line, and the study area is a specific section within the highlighted grid.



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
**LAND SURVEYORS OF OKLAHOMA**