API NUMBER: 045 23787

Horizontal Hole Oil & Gas

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

Approval Date: 03/08/2019
Expiration Date: 09/08/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 16N Rge: 23W County: ELLIS

SPOT LOCATION: NW NW NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **275** **1050**

Lease Name: TRC RANCH 16-23 **Well No: 7-6 H1** **Well will be 275 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

THOMAS BERRYMAN
447 W 7TH BOX 787
ASHLAND KS 67831

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

	Name	Depth		Name	Depth
1	CLEVELAND	9296	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: No Spacing Location Exception Orders: 201900090 Increased Density Orders:

Pending CD Numbers: 201900089
201900090

Special Orders:

Total Depth: 15071 Ground Elevation: 2203 **Surface Casing: 750** Depth to base of Treatable Water-Bearing FM: 550

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: 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-36017
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 06 Twp 17N Rge 23W County ELLIS

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1750

Depth of Deviation: 9296

Radius of Turn: 577

Direction: 353

Total Length: 4868

Measured Total Depth: 15071

True Vertical Depth: 9810

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

Notes:

Category	Description
HYDRAULIC FRACTURING	1/16/2019 - 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; 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	1/16/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201900089	3/6/2019 - GB1 - (640)(HOR) 6-16N-23W EXT 678563 CLVD POE TO BHL NLT 660' FB REC. 2/12/2019 (NORRIS)
PENDING CD - 201900090	3/6/2019 - GB1 - (I.O.) 6-16N-23W X201900089 CLVD COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL NO OP. NAMED REC. 2/12/2019 (NORRIS)

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API 35-045-23787

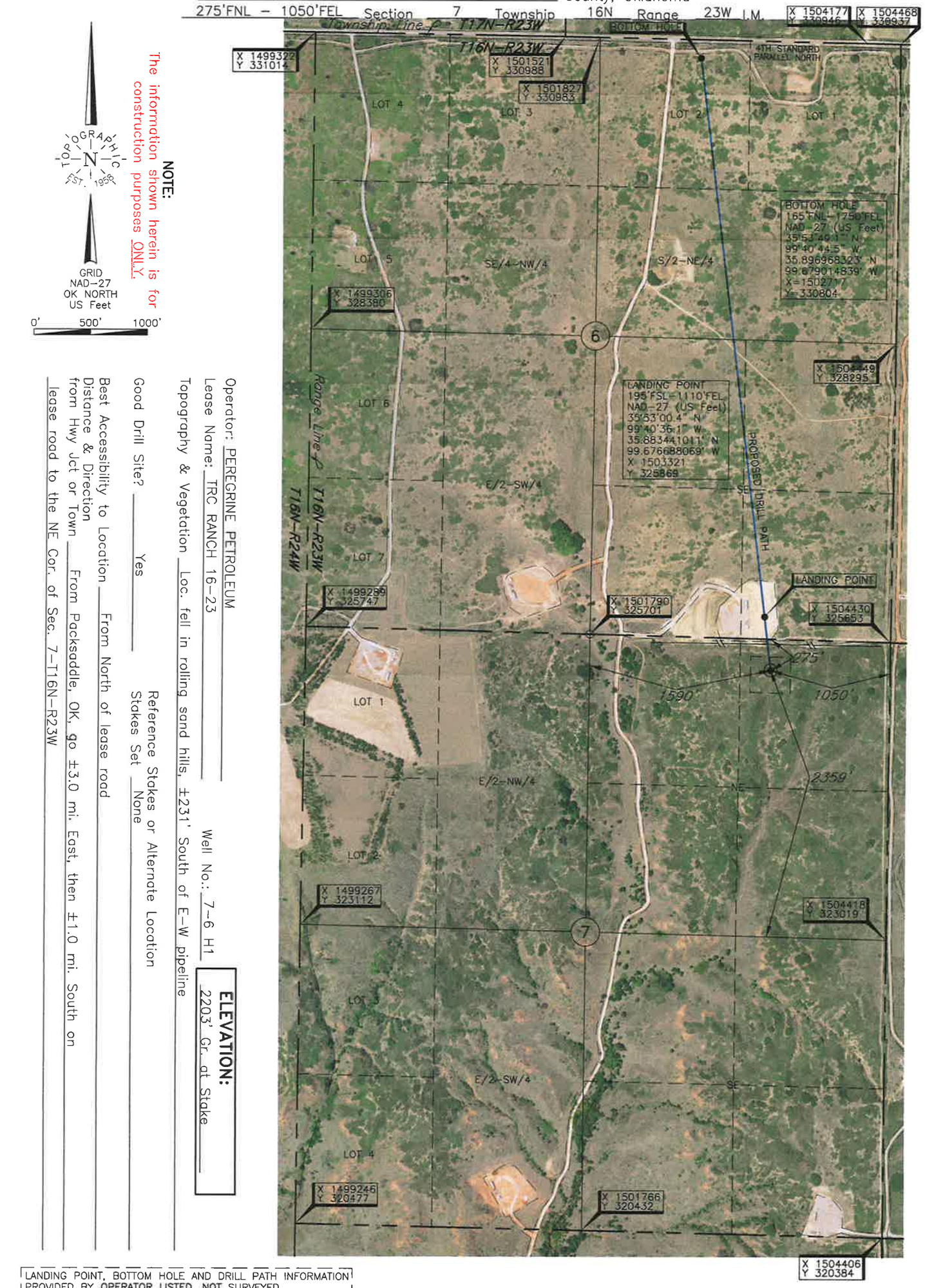
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

275'FNL – 1050'FEL Section 7 Township 16N Range 23W I.M.



GRID NAD-27 OK NORTH US Feet

0' 500' 1000'

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

Operator: PEREGRINE PETROLEUM

Lease Name: TRC RANCH 16-23 Well No.: 7-6 H1

Topography & Vegetation Loc. fell in rolling sand hills, ±231' South of E-W pipeline

ELEVATION: 2203' Gr. at Stake

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

Best Accessibility to Location From North of lease road

Distance & Direction from Hwy Jct or Town From Packsaddle, OK, go ±3.0 mi. East, then ±1.0 mi. South on lease road to the NE Cor. of Sec. 7-T16N-R23W

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

This information was gathered with a receiver using OPUS solution with a Horiz/Vert. tol of 1 ft

DATUM: NAD-27
LAT: 35°52'55.7"N
LONG: 99°40'35.3"W
LAT: 35.882148684° N
LONG: 99.676465824° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1503379
Y: 325397

Date of Drawing: Mar. 07, 2019

Invoice # 124754A Date Staked: Jan. 21, 2019 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

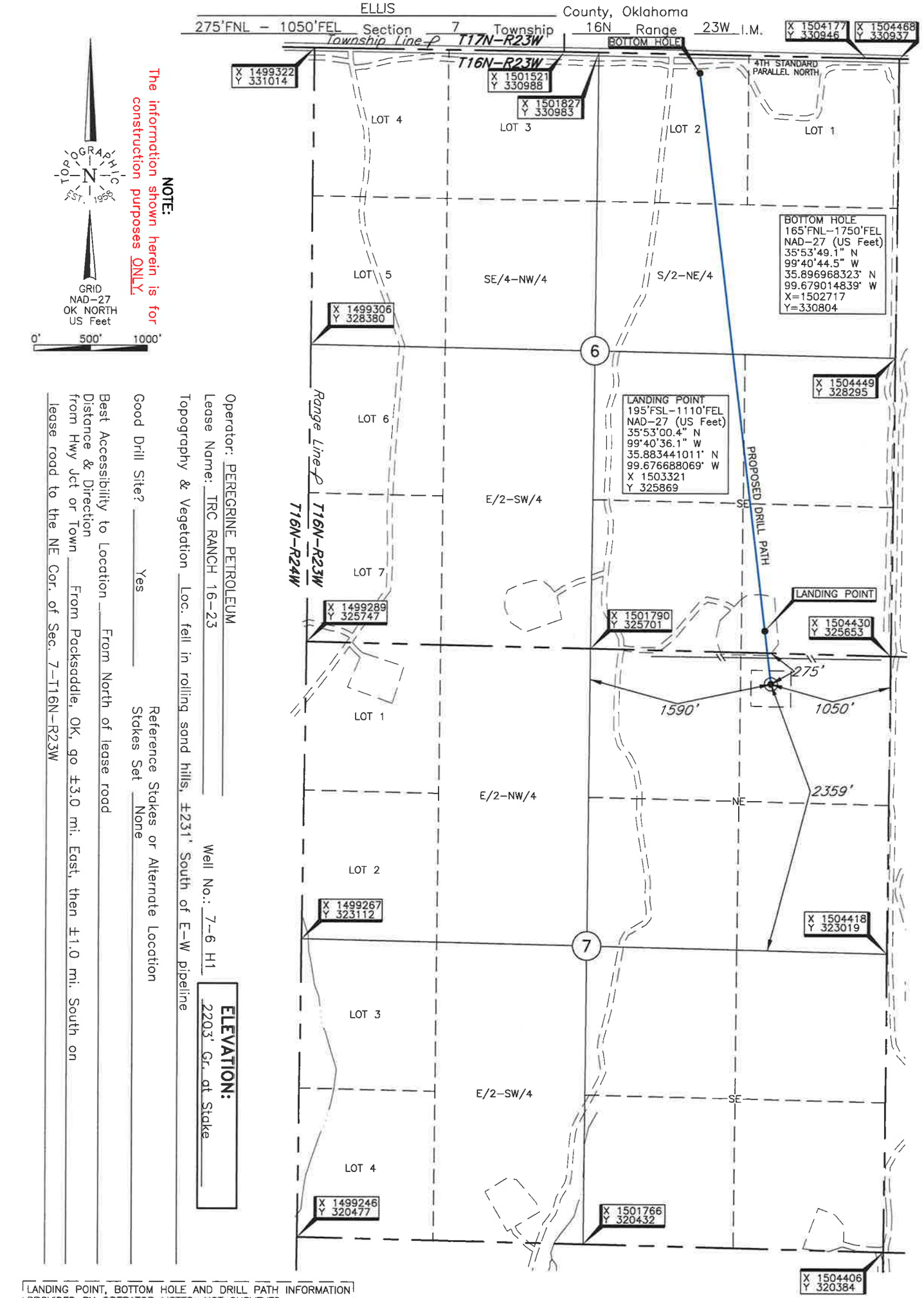
LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
3-7-19
OKLAHOMA

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GRAPHIC TOPO 1958 1ST.

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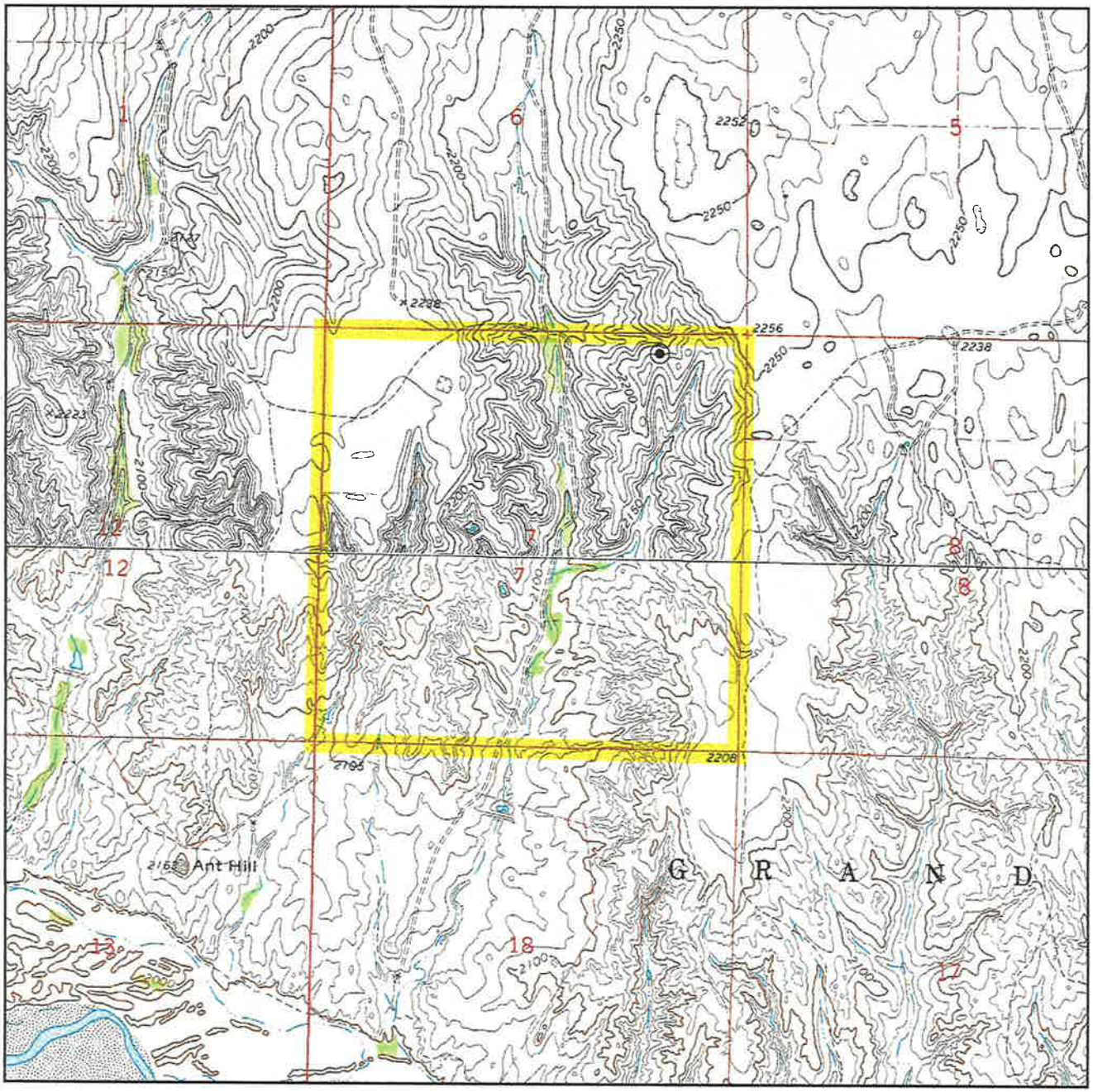
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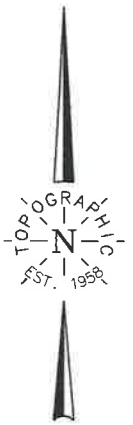
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

LOCATION & ELEVATION VERIFICATION MAP





Sec. 7 Twp. 16N Rng. 23W IM

County ELLIS State OK

Operator PEREGRINE PETROLEUM

Description 275'FNL – 1050'FEL

Lease TRC RANCH 16-23 7-6 H1

Elevation 2203' 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.

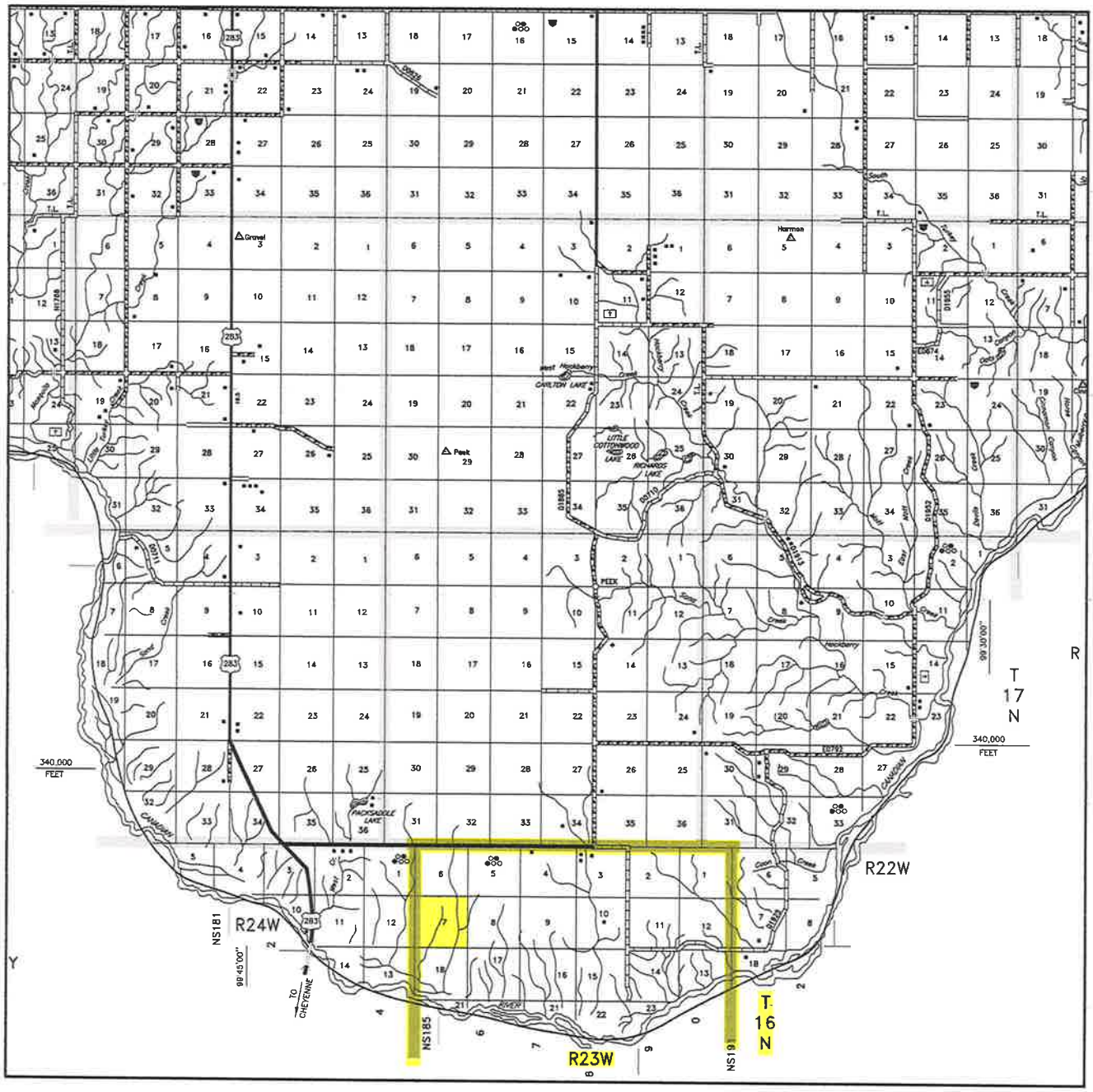
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
LAND SURVEYORS OF OKLAHOMA

Jan. 21, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 7 Twp. 16N Rng. 23W IM

County ELLIS State OK

Operator PEREGRINE PETROLEUM

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LOYALTY INNOVATION LEGACY
LAND SURVEYORS OF OKLAHOMA