

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

API NUMBER: 083 24445

Approval Date: 01/18/2019
Expiration Date: 07/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 15N Rge: 4W

County: LOGAN

SPOT LOCATION: SW NE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 952 619

Lease Name: NIGHT KING 1504 33-03

Well No: 2BH

Well will be 619 feet from nearest unit or lease boundary.

Operator Name: REVOLUTION RESOURCES LLC

Telephone: 4055345232

OTC/OCC Number: 24162 0

REVOLUTION RESOURCES LLC
14301 CALIBER DR STE 110
OKLAHOMA CITY, OK 73134-1016

ANGIER 2013 REVOCABLE TRUST AGREEMENT, DATED
MAY 7, 2013
3517 STAGMOOR
EDMOND OK 73034

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

Name	Depth	Name	Depth
1 HUNTON	6605	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 20212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13037

Ground Elevation: 1107

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 580

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: 2000

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: KINGMAN

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

PERMIT NO: 18-36064

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 03 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: SW SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 200

Depth of Deviation: 7223

Radius of Turn: 477

Direction: 175

Total Length: 6065

Measured Total Depth: 13037

True Vertical Depth: 6630

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/10/2019 - 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

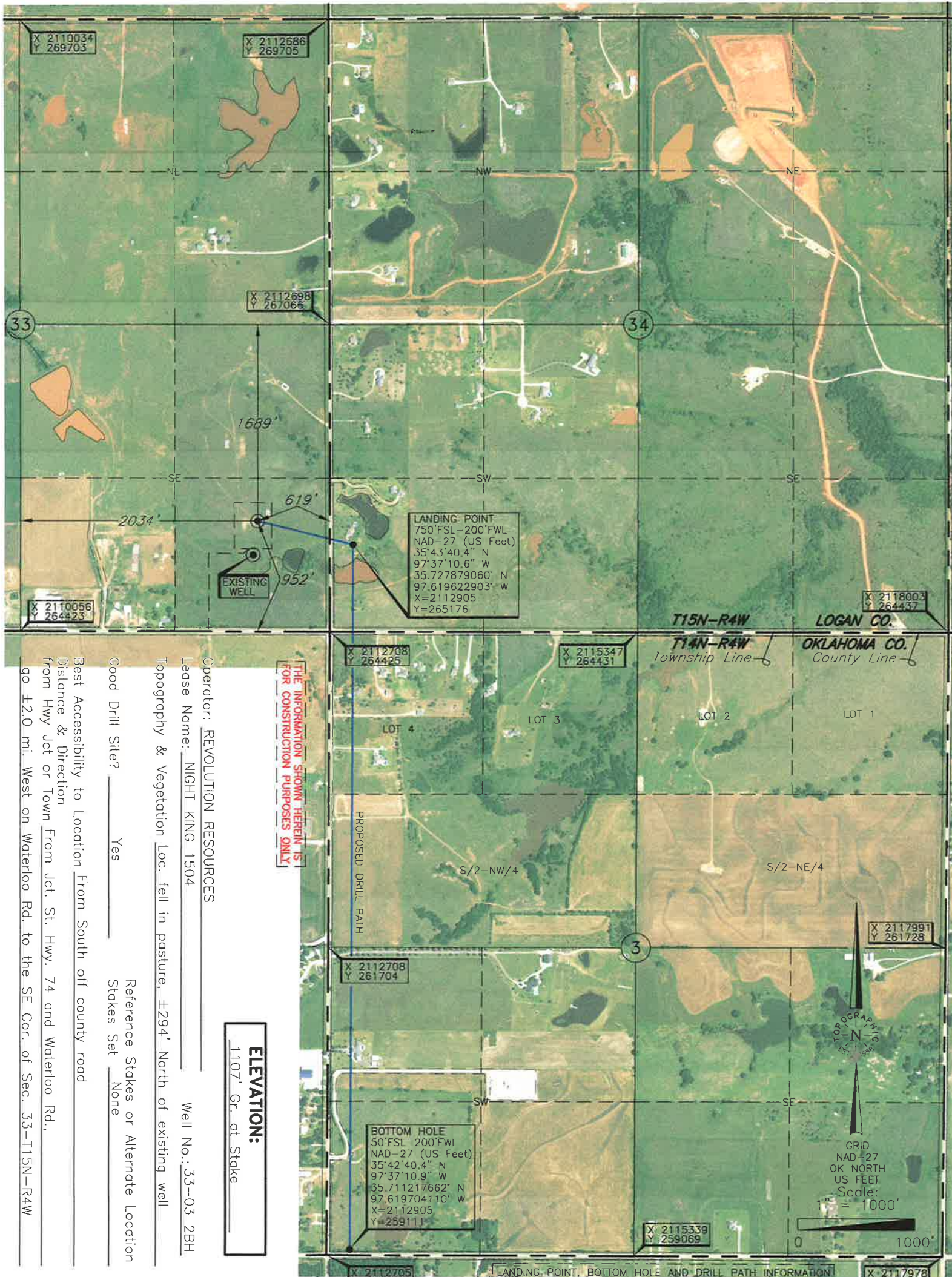
SPACING - 20212

1/18/2019 - G58 - (UNIT) 9, 4-14N-4W & S2 S2 33-15N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR HNTN

SURFACE CASING

1/10/2019 - G71 - MIN. 800' PER ORDER 17920

LOGAN County, Oklahoma **083-24445**
 952'FSL - 619'FEL Section 33 Township 15N Range 4W I.M.



LANDING POINT
 750'FSL-200'FWL
 NAD-27 (US Feet)
 35°43'40.4" N
 97°37'10.6" W
 35.727879060° N
 97.619622903° W
 X=2112905
 Y=265176

BOTTOM HOLE
 50'FSL-200'FWL
 NAD-27 (US Feet)
 35°42'40.4" N
 97°37'10.9" W
 35.711217662° N
 97.619704110° W
 X=2112905
 Y=259111

[THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY]

ELEVATION:
 1107' Gr. at Stake

Operator: REVOLUTION RESOURCES
 Lease Name: NIGHT KING 1504
 Topography & Vegetation Loc. fell in pasture, ±294' North of existing well
 Well No.: 33-03 2BH
 Good Drill Site? Yes
 Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From South of county road
 Distance & Direction From Jct. St. Hwy. 74 and Waterloo Rd.,
go ±2.0 mi. West on Waterloo Rd. to the SE Cor. of Sec. 33-T15N-R4W

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

DATUM: NAD-27
 LAT: 35°43'42.4"N
 LONG: 97°37'20.6"W
 LAT: 35.728439216° N
 LONG: 97.622380377° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2112086
 Y: 265376

Revision **A** Date of Drawing: Dec. 31, 2018
 Invoice # 307955 Date Staked: Dec. 04, 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



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

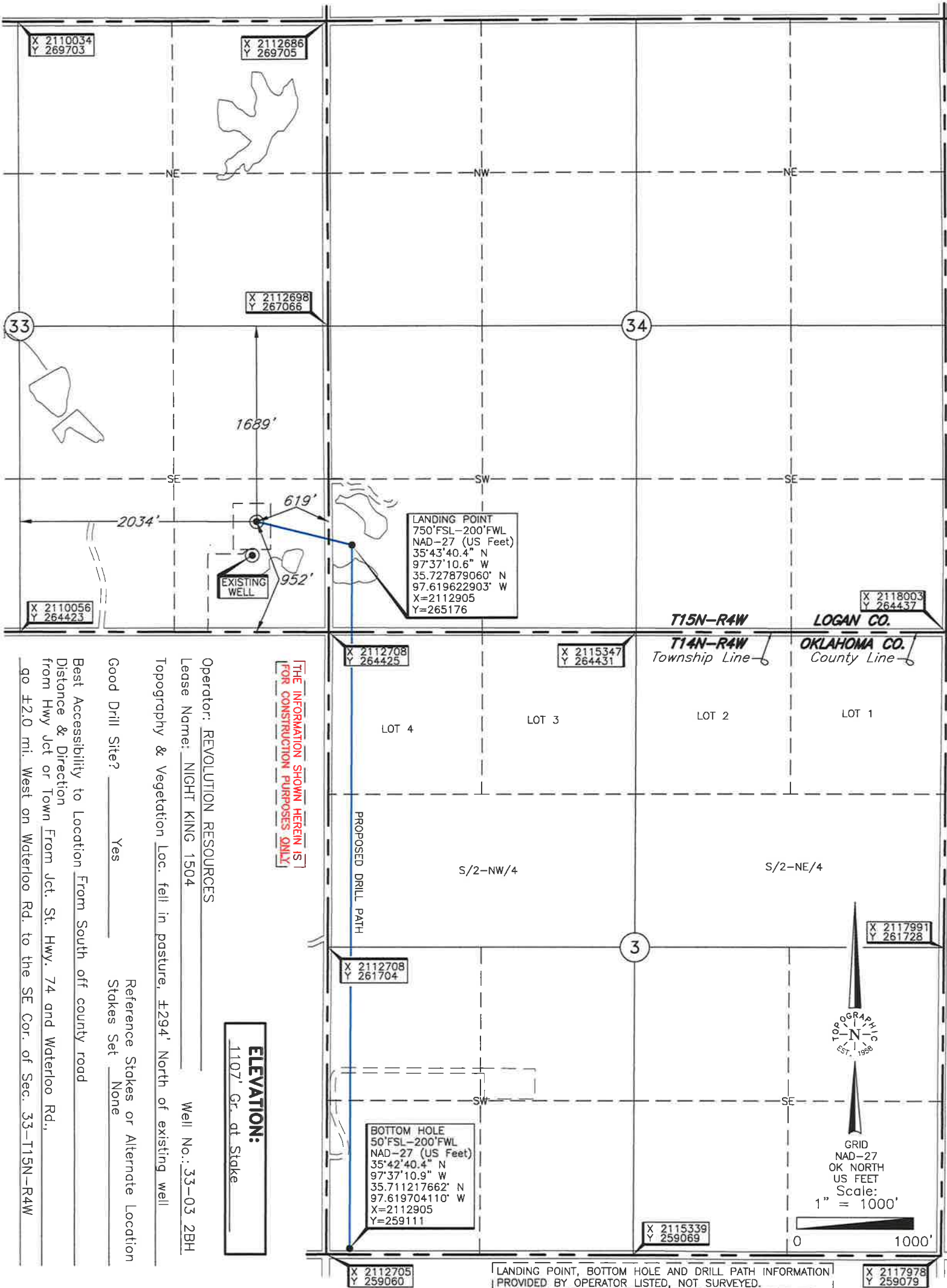
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

LOGAN County, Oklahoma

952'FSL - 619'FEL Section 33 Township 15N Range 4W I.M.



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X=2112905
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X 2112708
Y 264425

X 2115347
Y 264431

X 2118003
Y 264437

X 2110056
Y 264423

X 2112686
Y 269705

X 2110034
Y 269703

X 2112698
Y 267066

X 2112708
Y 261704

X 2117991
Y 261728

X 2115339
Y 259069

X 2112705
Y 259060

X 2117978
Y 259079

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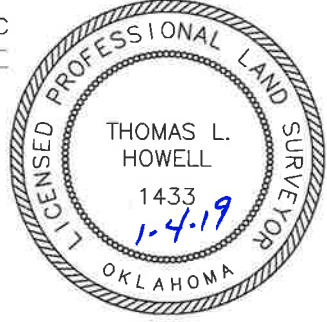
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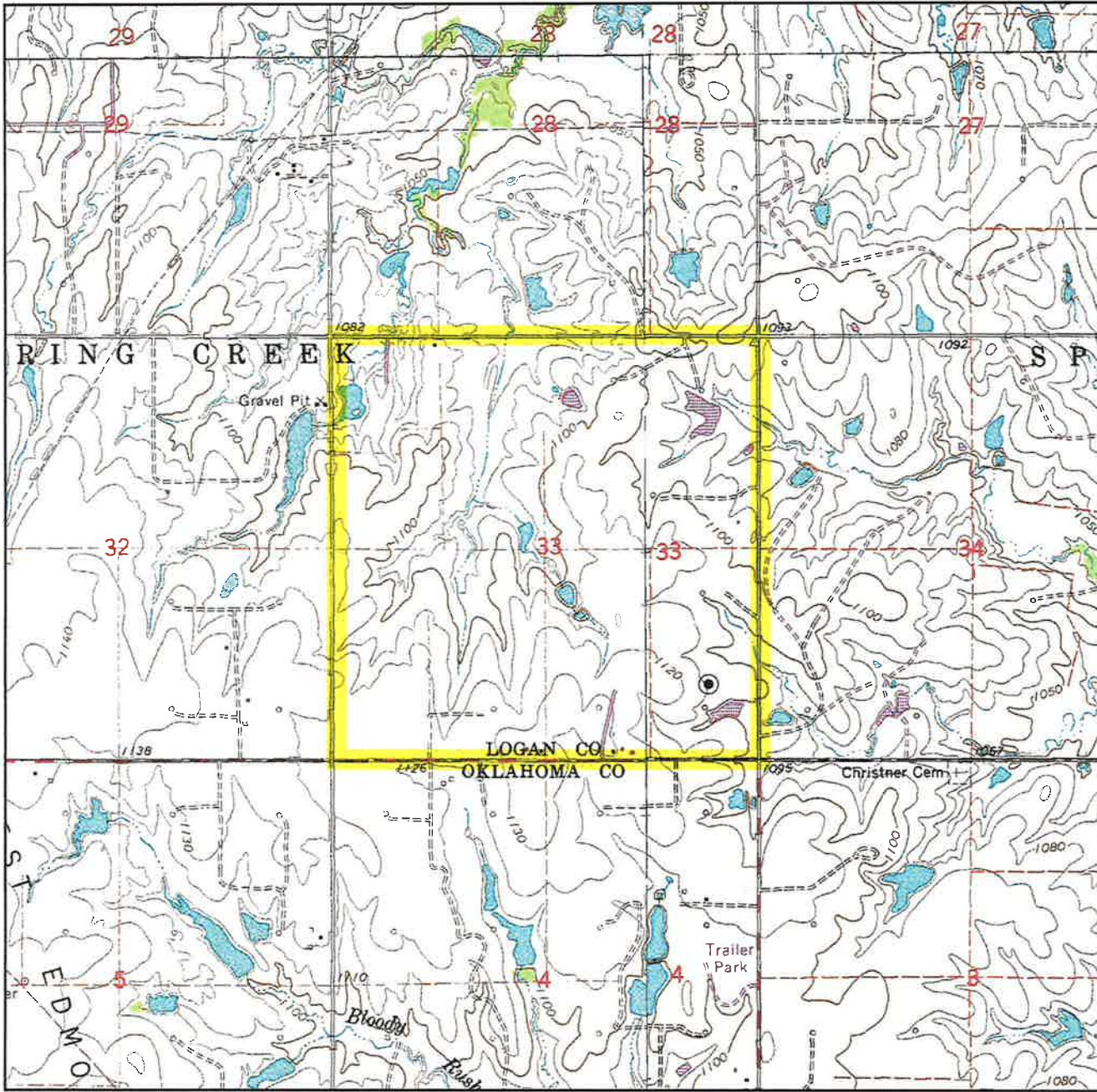
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ZONE: OK NORTH
X: 2112086
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(Information gathered with a GPS receiver was not used in this survey)

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. 33 Twp. 15N Rng. 4W IM

County LOGAN State OK

Operator REVOLUTION RESOURCES

Description 952'FSL - 619'FEL

Lease NIGHT KING 1504 33-03 2BH

Elevation 1107' 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.



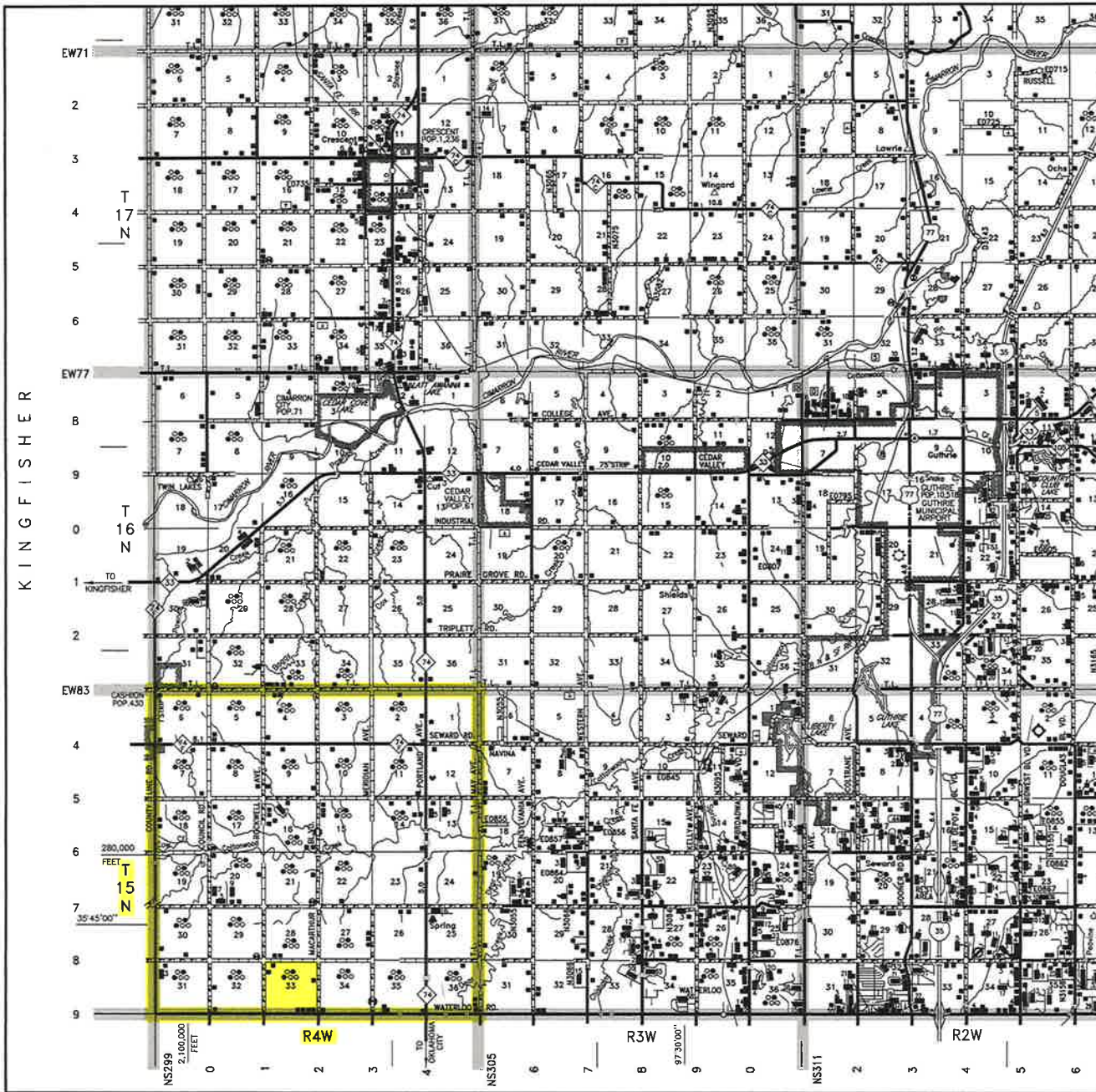
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Dec. 04, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 33 Twp. 15N Rng. 4W IM

County LOGAN State OK

Operator REVOLUTION RESOURCES



LAND SURVEYORS OF OKLAHOMA