

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

API NUMBER: 109 22481

Approval Date: 10/14/2019

Expiration Date: 04/14/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 14N Rge: 4W

County: OKLAHOMA

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 1110 175

Lease Name: TORMUND 1404 32-09

Well No: 1BH

Well will be 175 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

TULLAHOMA 2 5 OK LLC
PO BOX 5
EDMOND OK 73083-

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

Name	Depth	Name	Depth
1 HUNTON	6869	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: 21200

Ground Elevation: 1079

Surface Casing: 780

Depth to base of Treatable Water-Bearing FM: 730

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: KINGMAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36994
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - DEER CREEK)

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 09 Twp 13N Rge 4W County OKLAHOMA

Spot Location of End Point: NW SW SE SW

Feet From: SOUTH 1/4 Section Line: 370

Feet From: WEST 1/4 Section Line: 1600

Depth of Deviation: 6247

Radius of Turn: 573

Direction: 170

Total Length: 14053

Measured Total Depth: 21200

True Vertical Depth: 6869

End Point Location from Lease,

Unit, or Property Line: 370

Notes:

Category

Description

HYDRAULIC FRACTURING

9/25/2019 - GC2 - 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

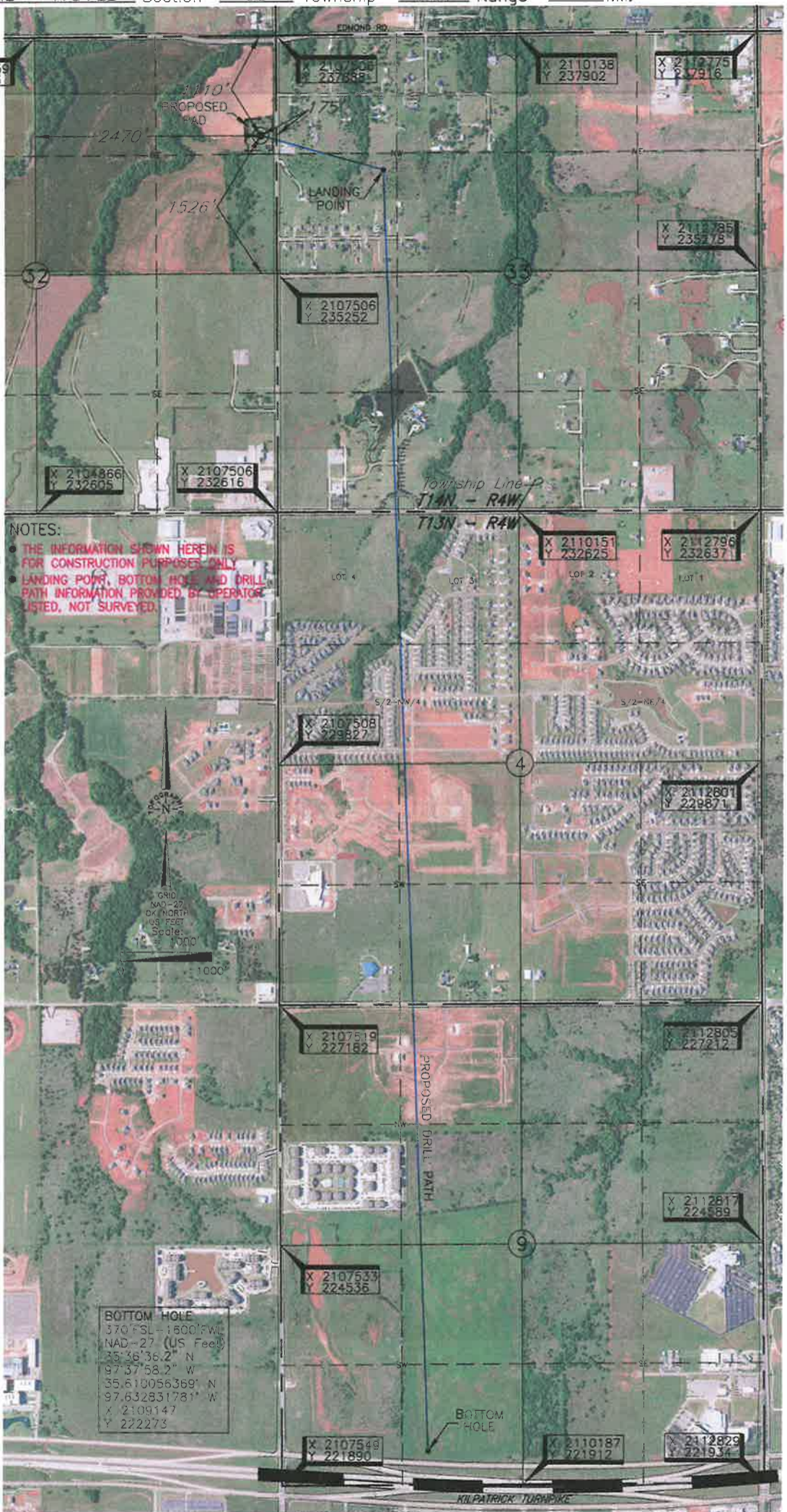
10/14/2019 - GC2 - (UNIT) 33-14N-4W, 4 & 9-13N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR THE HNTN

OKLAHOMA

County, Oklahoma

1110'FNL - 175'FEL Section 32 Township 14N Range 4W I.M.

LANDING POINT
1500' FNL - 1170' FWL
NAD - 27 (US Feet)
35°38'55.9" N
97°38'03.3" W
35.648854778° N
97.634237401° W
X 2108676
Y 236394



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY. LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATORS LISTED, NOT SURVEYED.

BOTTOM HOLE
370' FSL-1600' FWL
NAD-27 (US Feet)
35.36' 36.2" N
97.37' 58.2" W
35.610056369° N
97.632831781° W
X 2109147
Y 222273

Operator: REVOLUTION RESOURCES
 Lease Name: TORMUND 1404 32
 Topography & Vegetation loc. f
 Good Drill Site? Yes

60

Well No.: 1BH

ELEVATION:

1079' Gr. at Stake

Reference Stakes or Alternate Location
Stakes Set None

Yes

Good Drill Site?

Best Accessibility to Location From East off county road

Distance & Direction from Hwy Jct or Town	From Jct. Kilpatrick Turnpike and St. Hwy. 74, go ± 3.0 mi. North,

then ± 3.0 West on N. 178th St. to the NE Cor. of Sec. 32-T14N-R4W

Date of Drawing: Sep. 05, 2019

Project # 129570 Date Staked: Sep. 03, 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.

Oklahoma Lic. No. 1433



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

DATUM: NAD-27
LAT: 35°38'59.7"N
LONG: 97°38'19.5"W
LAT: 35.649921166° N
LONG: 97.638759345° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2107331
Y: 236777

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

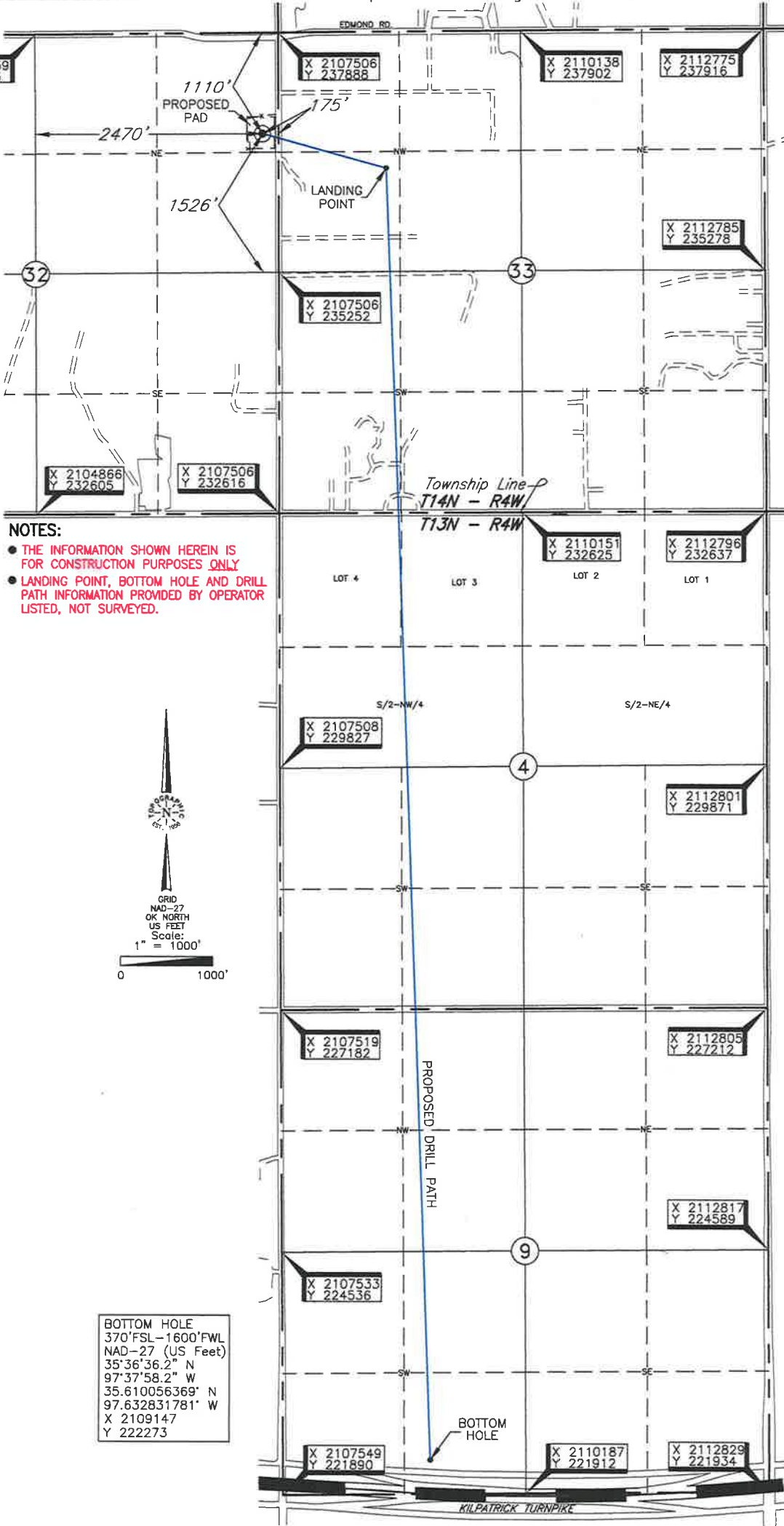
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

OKLAHOMA

County, Oklahoma

1110'FNL - 175'FEL Section 32 Township 14N Range 4W I.M.

LANDING POINT
1500'FNL-1170'FWL
NAD-27 (US Feet)
35°38'55.9" N
97°38'03.3" W
35.648854778' N
97.634237401' W
X 2108676
Y 236394



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

Operator: REVOLUTION RESOURCES

Lease Name: TORMUND 1404 32-09

Well No.: 1BH

ELEVATION:

1079' Gr. at Stake

Topography & Vegetation Loc. fell on hilltop in grass pasture, ±208' North of fence and ±162' East of fence

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction From Jct. Kilpatrick Turnpike and St. Hwy. 74, go ±3.0 mi. North, then ±3.0 West on N. 178th St. to the NE Cor. of Sec. 32-T14N-R4W

Date of Drawing: Sep. 05, 2019

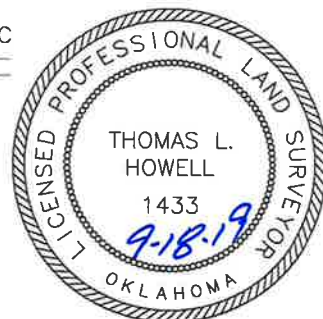
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Thomas L. Howell
Oklahoma Lic. No. 1433



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LAT: 35.649921166' N
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STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2107331
Y: 236777

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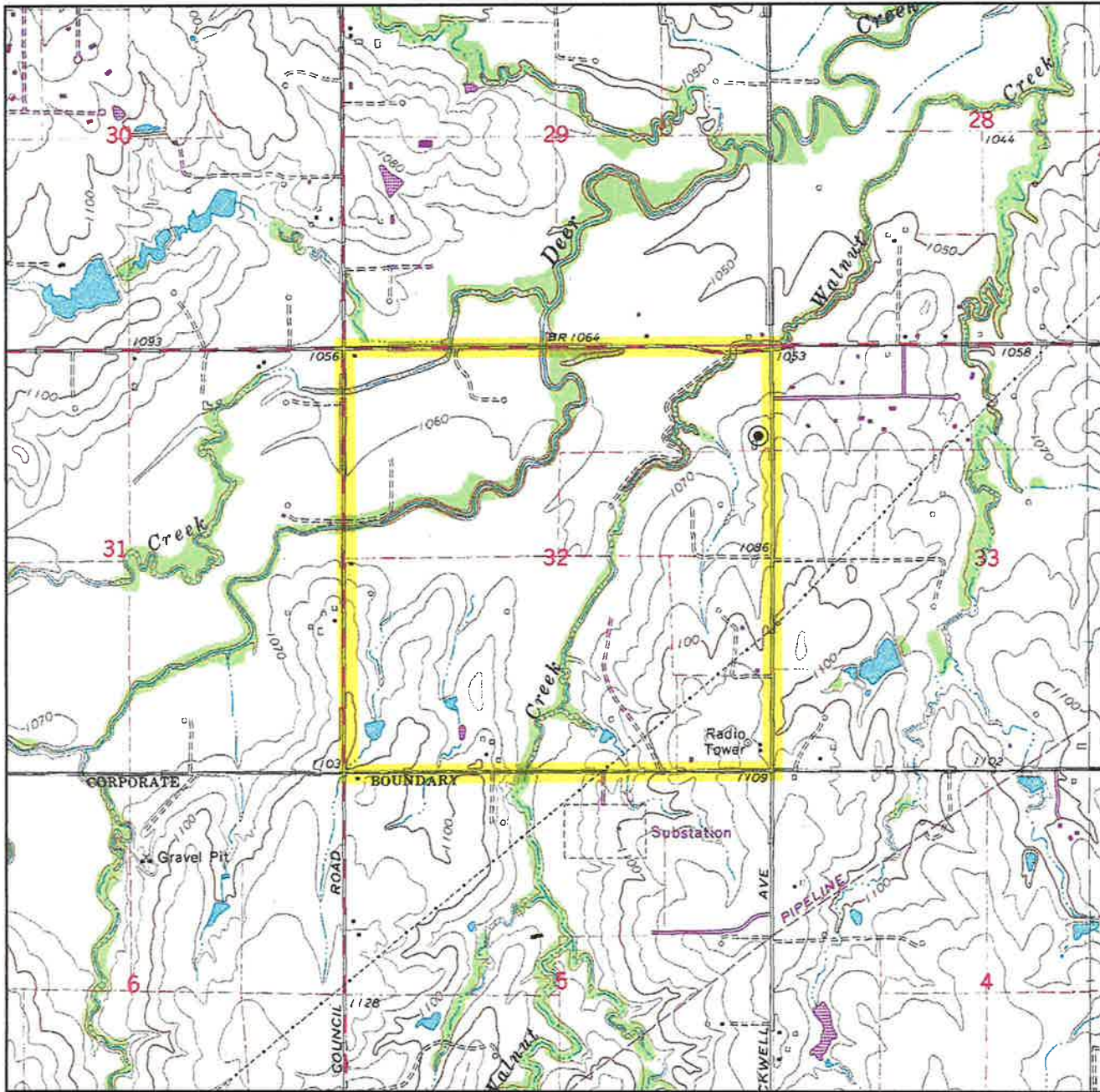
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 32 Twp. 14N Rng. 4W IM

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES

Description 1110'FNL - 175'FEL

Lease TORMUND 1404 32-09 1BH

Elevation 1079' 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.



LAND SURVEYORS OF OKLAHOMA

Sep. 03, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com
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VICINITY MAP



Scale: 1" = 3 Miles

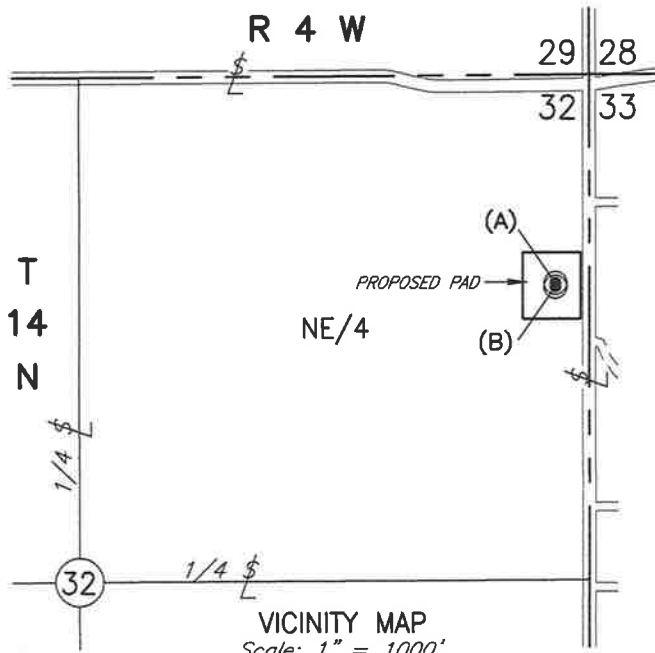
Sec. 32 Twp. 14N Rng. 4W IM

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES



LAND SURVEYORS OF OKLAHOMA



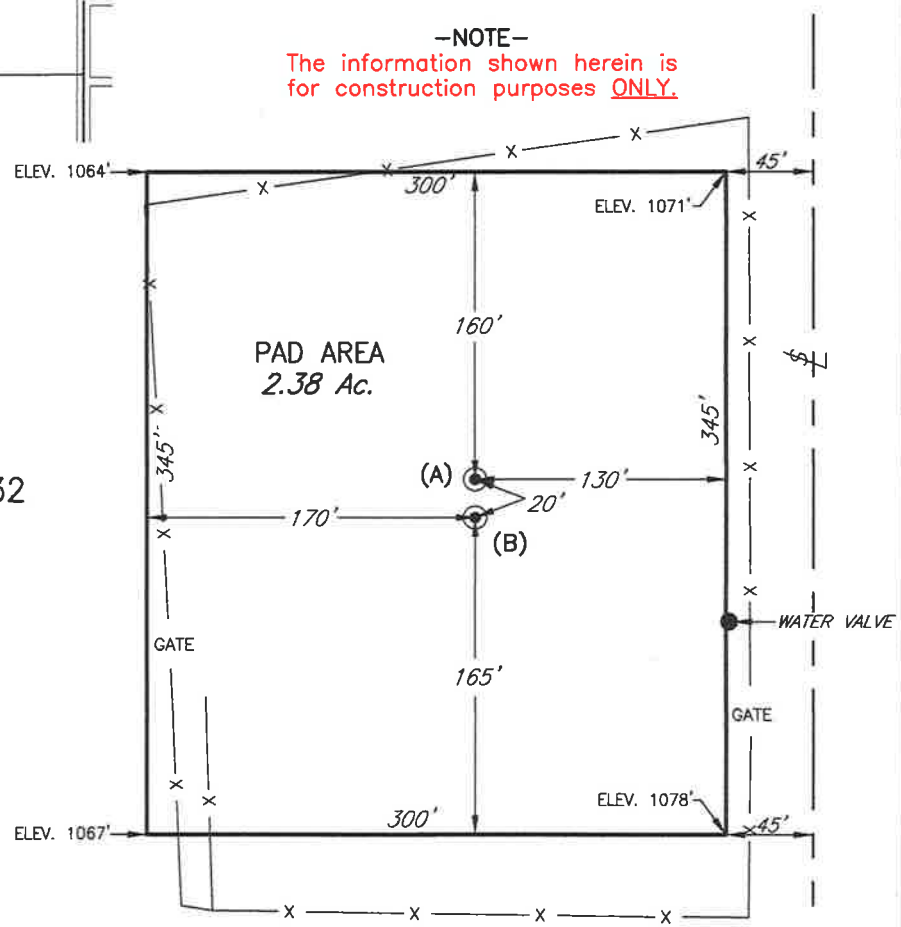
T 14 N - R 4 W
(INDIAN MERIDIAN)

- (A) REVOLUTION RESOURCES
Tormund 1404 33-34 2CH
1090'FNL - 175'FEL
Elev. 1079' Gr.
- (B) REVOLUTION RESOURCES
Tormund 1404 33-09 1BH
1110'FNL - 175'FEL
Elev. 1079' Gr.

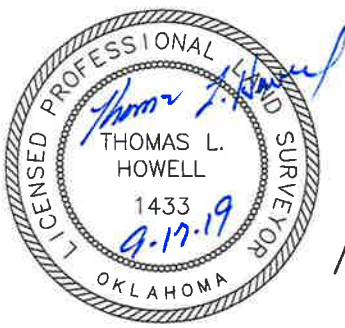
-NOTE-
The information shown herein is for construction purposes ONLY.



SECTION 32
NE/4



PLAT SHOWING
PROPOSED PAD AREA IN THE
NE/4 OF SECTION 32, T14N - R4W
OKLAHOMA COUNTY, OKLAHOMA



NO.	REVISION	DATE	BY
SUR. BY:	TC	9-3-19	
DRAWN BY:	RKM		
APPROVED BY:	TH		

This plat was prepared exclusively for
REVOLUTION RESOURCES
and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847
Certificate of Authorization No. 1293 LS

SCALE:	1" = 100'
DATE:	9-5-19
PROJECT NO.:	129570
FILE NAME:	L4015A.DWG
DWG NO.:	118067-L4-015-A
SHEET	1 OF 1