

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

API NUMBER: 051 24270

Approval Date: 02/02/2018

Expiration Date: 08/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 9N Rge: 6W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 366 313

Lease Name: DON KING 1006

Well No: 32-1WH

Well will be 366 feet from nearest unit or lease boundary.

Operator Name: 89 ENERGY LLC

Telephone: 4056006040

OTC/OCC Number: 23897 0

89 ENERGY LLC
105 N HUDSON AVE STE 650
OKLAHOMA CITY, OK 73102-4832

WINDBLOWN FARMS
1401 STATE HIGHWAY 92
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 WOODFORD	10750	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 668352

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16500

Ground Elevation: 1336

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 170

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-33882

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 32 Twp 10N Rge 6W County GRADY

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10178

Radius of Turn: 823

Direction: 350

Total Length: 5030

Measured Total Depth: 16500

True Vertical Depth: 10750

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

2/1/2018 - 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

2/1/2018 - 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

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

SPACING - 668352

2/2/2018 - G58 - (640)(HOR) 32-10N-6W
EST WDFD, OTHER
COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL

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

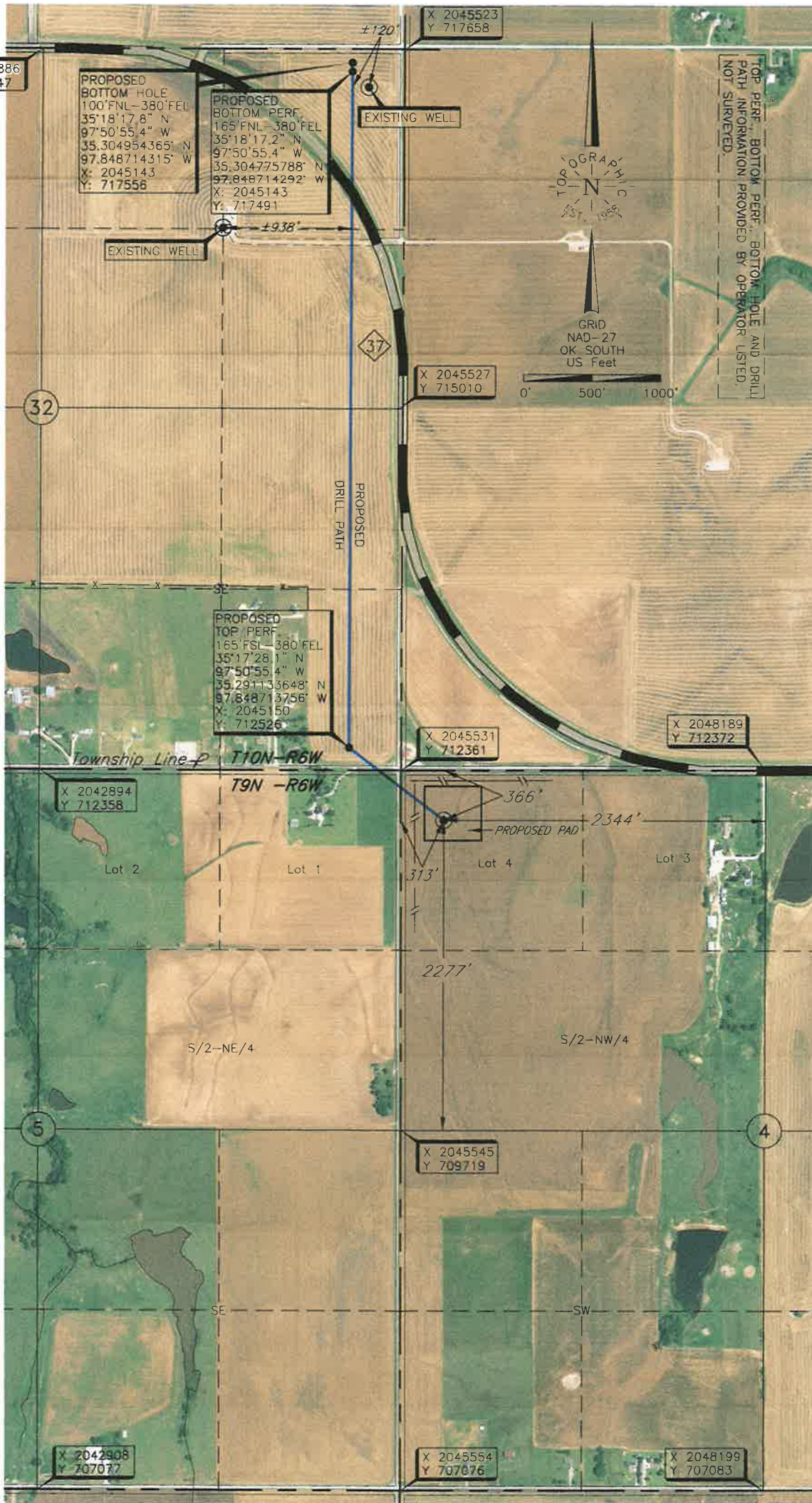
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

051 24270 DON KING 1006 32-1WH

051-24270

366'FNL-313'FWL Section 4 Township 9N Range 6W I.M.



Operator: 89 ENERGY
Lease Name: DON KING 1006
Topography & Vegetation Loc. fell in terraced wheat field ±280' south of E-W pipeline & ±168' East of N-S pipeline.
Good Drill Site? Yes
Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From county road north of well location.
Distance & Direction From St. Hwy. 37 on the West Edge of Tuttle, OK, go ±2 miles West to the Northwest Corner of Section 4, T9N-R6W.

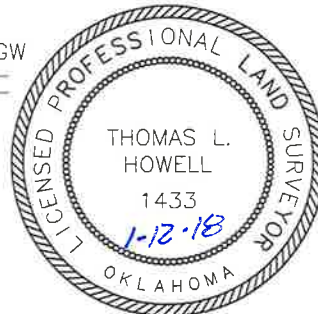
ELEVATION:
1336' Gr. at Stake

Revision ☒ A Date of Drawing: January 12, 2018
Invoice # 286454 Date Staked: January 03, 2018 JGW

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

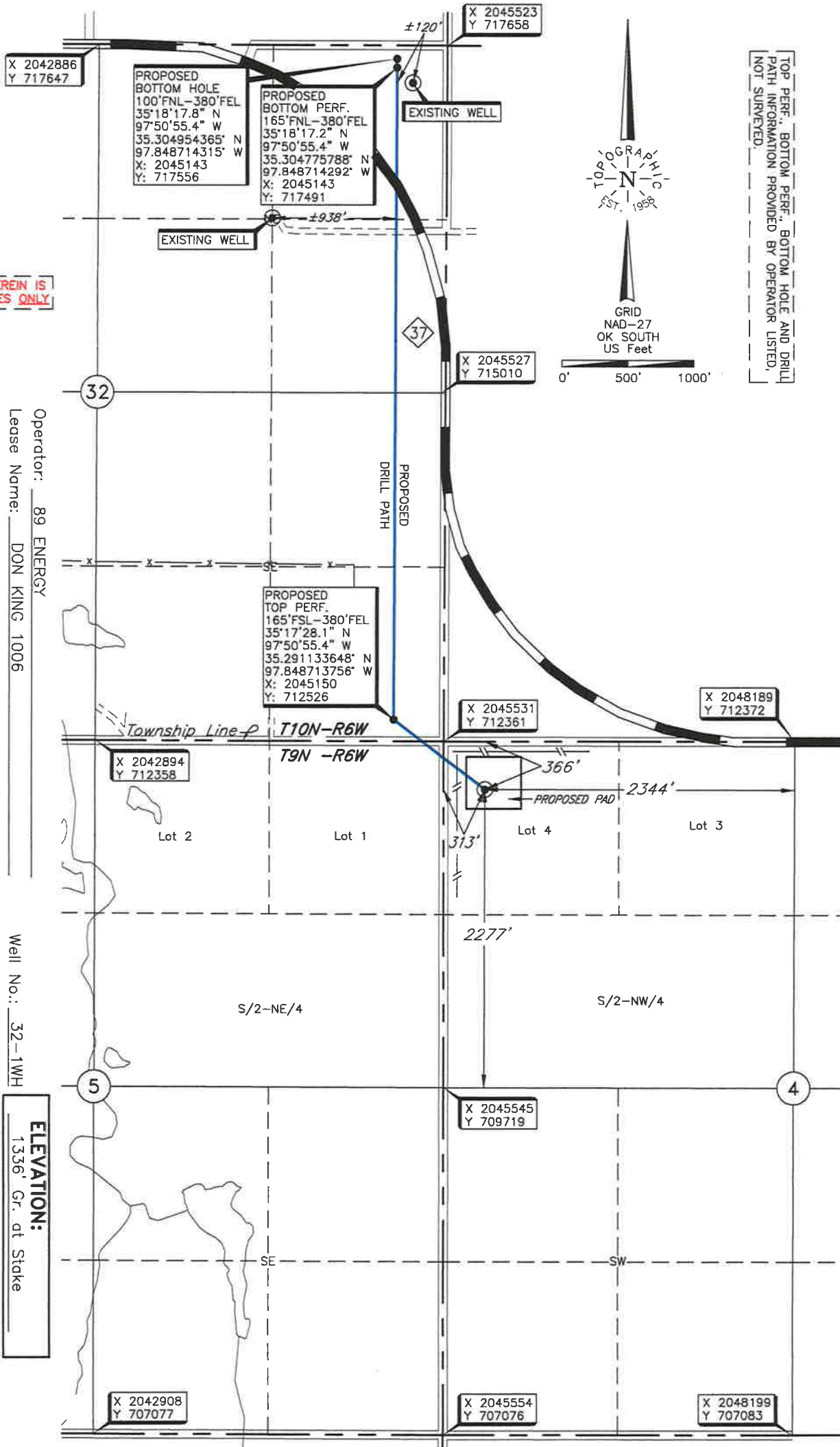
Thomas L. Howell
Oklahoma Lic. No. 1433



DATUM: NAD-27
LAT: 35°17'22.8"N
LONG: 97°50'47.0"W
LAT: 35.289677858°N
LONG: 97.846387237°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2045846
Y: 711997

County, Oklahoma
366'FNL-313'FWL Section 4 Township 9N Range 6W I.M.

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY



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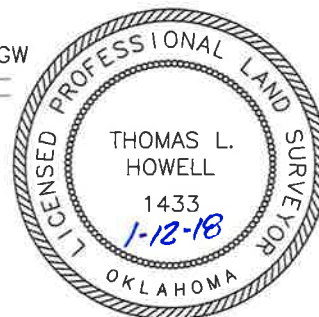
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This information was gathered with a GPS receiver with a foot horizontal accuracy.

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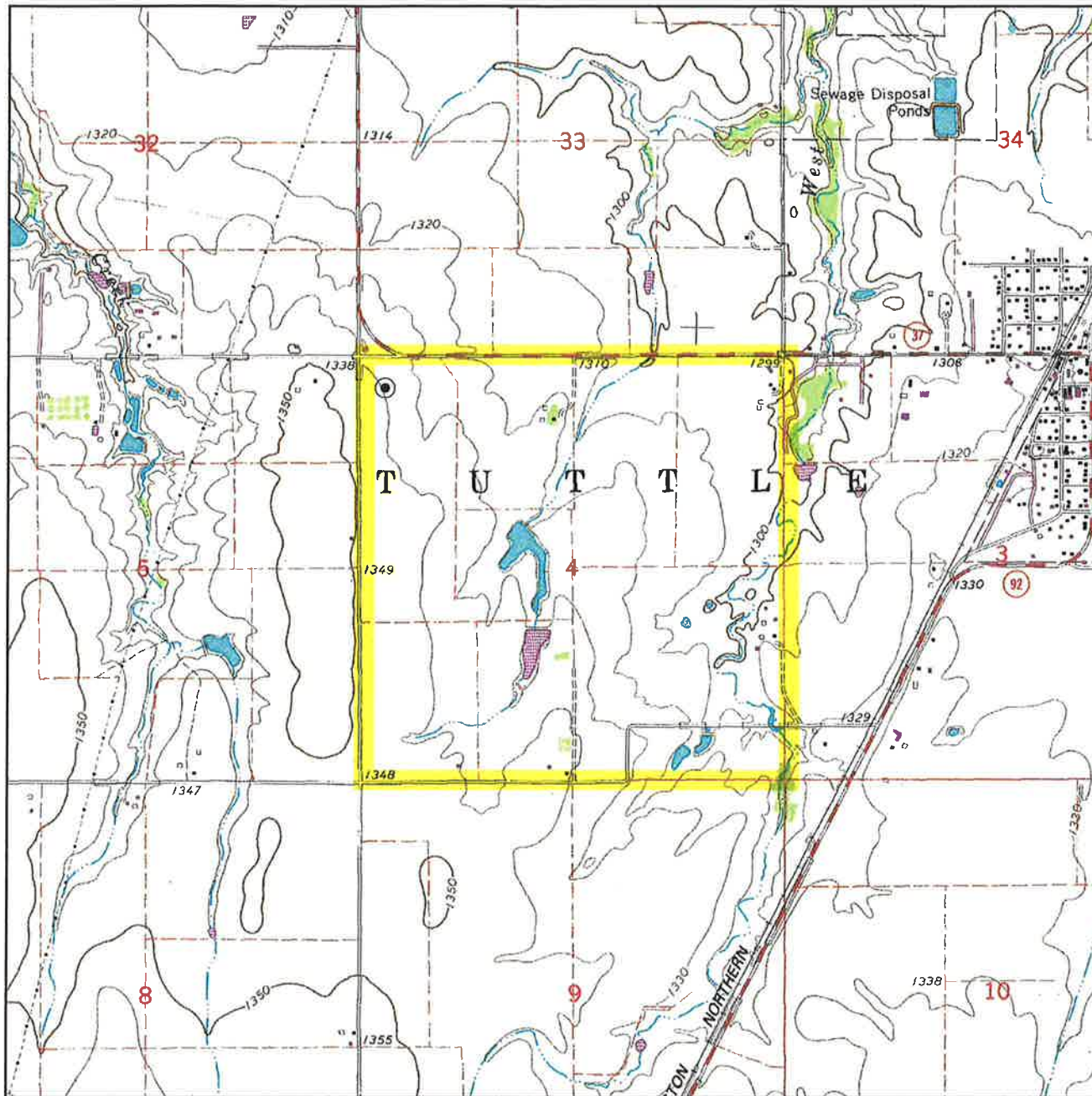
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 4 Twp. 9N Rng. 6W IM

County GRADY State OK

Operator 89 ENERGY

Description 366'FNL-313'FWL

Lease DON KING 1006 32-1WH

Elevation 1336' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map RICHLAND, 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.



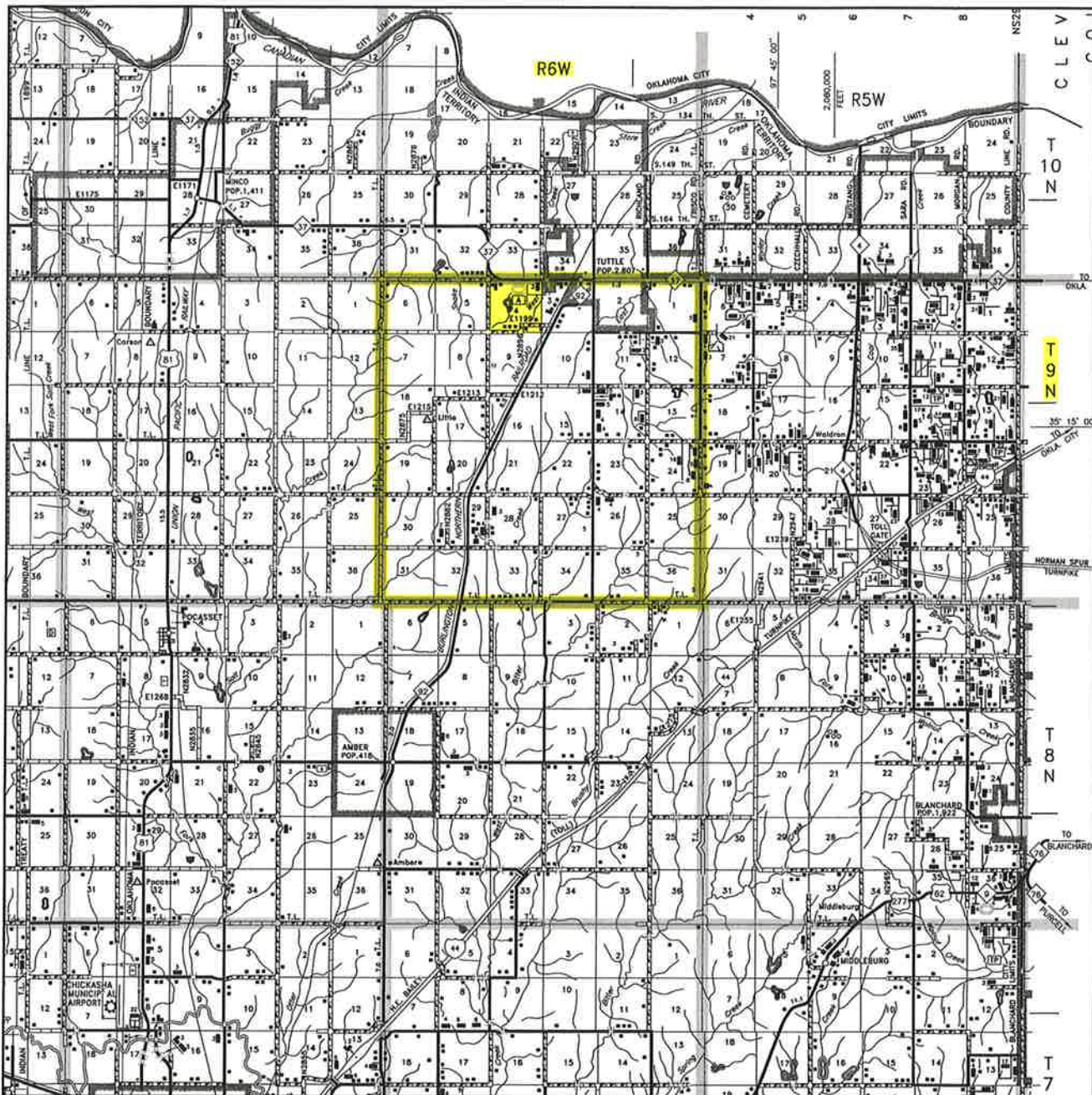
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

LAND SURVEYORS OF OKLAHOMA

January 03, 2018

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

VICINITY MAP



Scale: 1" = 3 Miles

Sec. 4 Twp. 9N Rng. 6W IM

County GRADY State OK

Operator 89 ENERGY



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

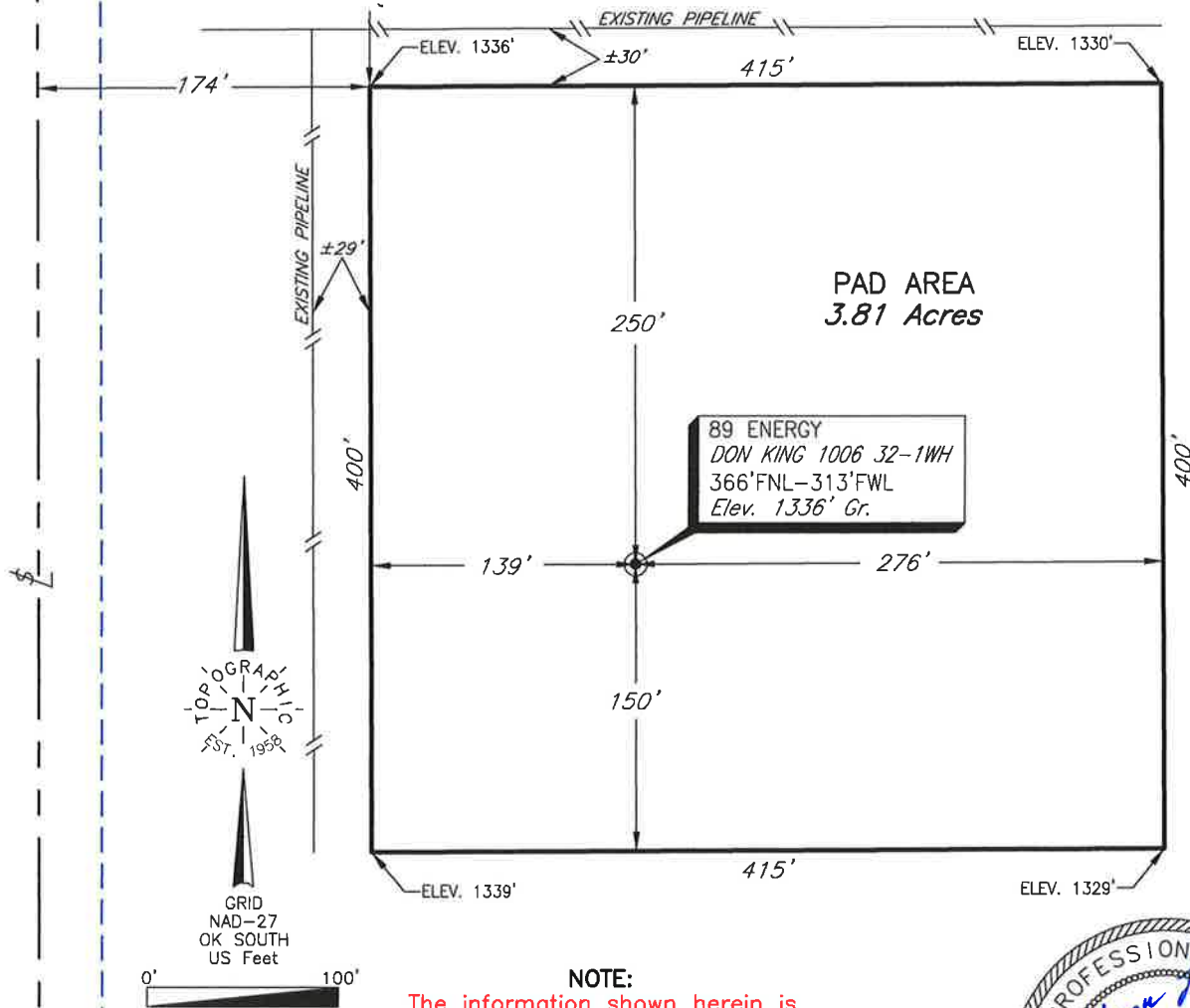
LAND SURVEYORS OF OKLAHOMA

T 9 N - R 6 W

(INDIAN MERIDIAN)

32 33
5 4

Township Line - ρ T10N-R6W
T9N -R6W

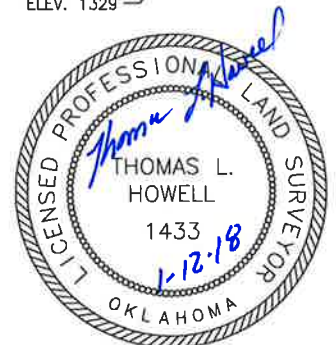


SECTION 4
NW/4

NOTE:

The information shown herein is
for construction purposes ONLY.

PLAT SHOWING
PROPOSED PAD AREA IN THE
NW/4 OF SECTION 4, T9N - R6W
GRADY COUNTY, OKLAHOMA



This plat was prepared exclusively for

89 ENERGY

1	REVISED WELL LOCATION	1-12-18	RKM
NO.	REVISION	DATE	BY
SURV. BY:	JM	1-03-18	
DRAWN BY:	JGW		
APPROVED BY:	TH		

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:	1-05-18
INVOICE NO.:	286454
FILE NAME:	L2286454A.DWG
DWG NO.:	127100-L2-286454-A
SHEET	1 OF 1