API NUMBER: 109 22475

Directional 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: 09/05/2019
Expiration Date: 03/05/2021

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 11N Rge: 3W County: OKLAHOMA

SPOT LOCATION: NE SW NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **905** **1965**

Lease Name: OKC SO WILCOX UNIT **Well No: 12-19** **Well will be 1132 feet from nearest unit or lease boundary.**

Operator Name: **STEPHENS & JOHNSON OPERATING CO** Telephone: 9407232166; 9407165 OTC/OCC Number: 19113 0

STEPHENS & JOHNSON OPERATING CO
PO BOX 2249
WICHITA FALLS, TX 76307-2249

STATE OF OKLAHOMA
120 NORTH ROBINSON, STE 1000W
OKLAHOMA CITY OK 73102

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

	Name	Depth		Name	Depth
1	WILCOX	6525	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 30116 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 7050 Ground Elevation: 1320 **Surface Casing: 1140** Depth to base of Treatable Water-Bearing FM: 1090

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: 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

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility: Sec. 24 Twn. 8N Rng. 8W Cnty. 51 Order No: 393756
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - ORDERS 67309/68650)

DIRECTIONAL HOLE 1

Sec 36 Twp 11N Rge 3W County OKLAHOMA
Spot Location of End Point: SE NW NE NW
Feet From: SOUTH 1/4 Section Line: 2300
Feet From: WEST 1/4 Section Line: 1792
Measured Total Depth: 7050
True Vertical Depth: 7003
End Point Location from Lease,
Unit, or Property Line: 915

Notes:

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.

Category	Description
HYDRAULIC FRACTURING	8/13/2019 - 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 - 30116	8/30/2019 - GB6 - (UNIT) 36-11N-3W EST OKLAHOMA CITY SOUTH WILCOX SAND UNIT FOR THE WLCX
SPACING - 30775	8/30/2019 - GB6 - X30116 RATIFIED PLAN OF UNITIZATION FOR OKLAHOMA CITY SOUTH WILCOX SAND UNIT

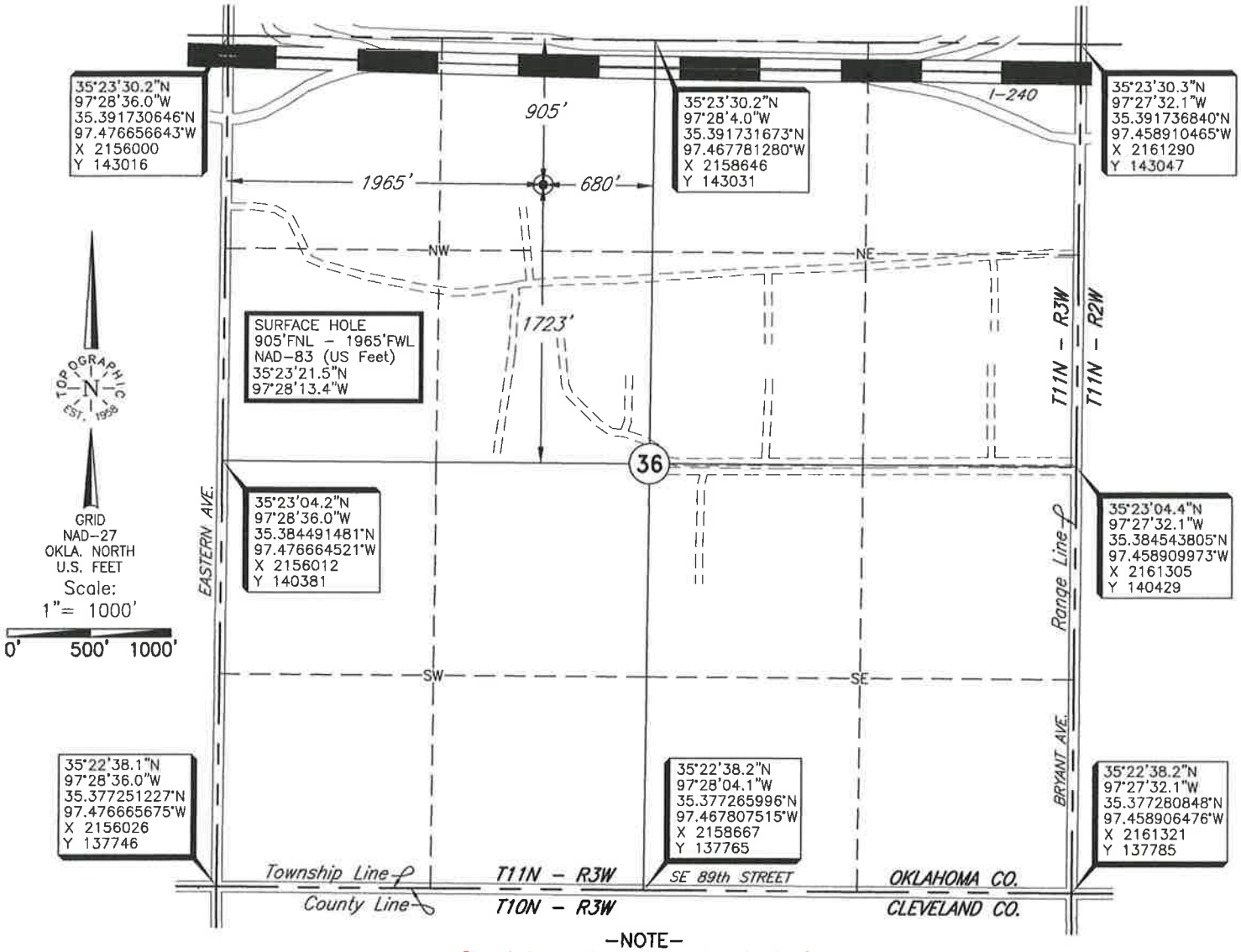
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

35-109-22475

OKLAHOMA County, Oklahoma

905'FNL – 1965'FWL Section 36 Township 11N Range 3W I.M.



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

Operator: STEPHENS & JOHNSON OPERATING COMPANY
Lease Name: OKC SO. WILCOX UNIT Well No.: #12-19

ELEVATION:
1320' Gr. at Level Pad (NGVD29)
1320' Gr. at Level Pad (NAVD88)

Topography & Vegetation Location fell on level pad.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction
from Hwy Jct or Town From the Jct. of Interstate I-35 and Interstate 240, go ±2 miles East, then ±0.5 mile South to lease road, follow lease road West to location in NW/4 of Section 36, T11N – R3W.

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

DATUM: NAD-27
LAT: 35°23'21.3"N
LONG: 97°28'12.2"W
LAT: 35.389245465°N
LONG: 97.470066927°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2157970
Y: 142122

Project # 128538 Date of Drawing: August 7, 2019
Date Staked: July 31, 2019 RKM

CERTIFICATE:

I, Thomas L. Howell a 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

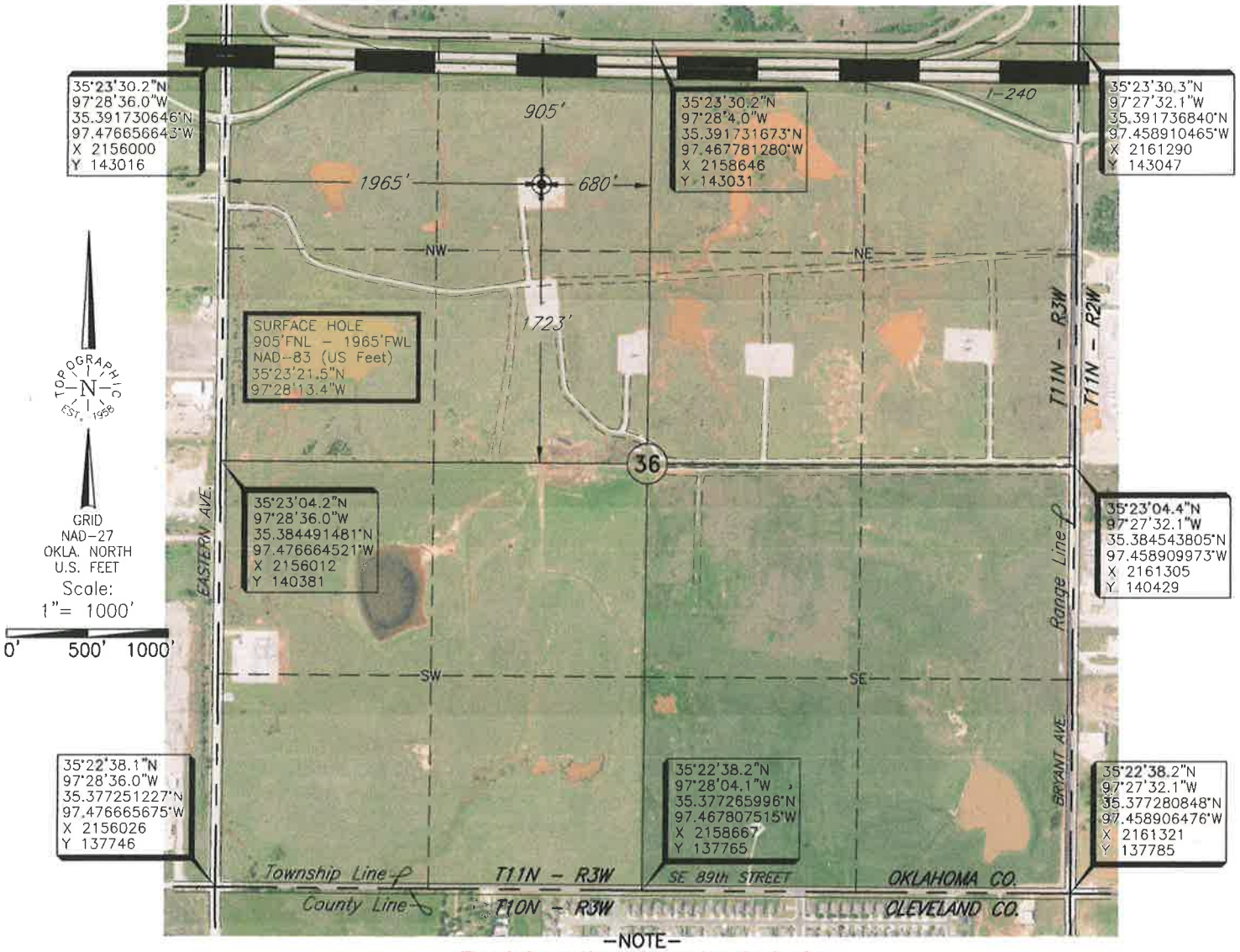
LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
8-7-19
OKLAHOMA

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

905'FNL – 1965'FWL Section 36 Township 11N Range 3W I.M.



–NOTE–

The information shown herein is for construction purposes ONLY.

Operator: STEPHENS & JOHNSON OPERATING COMPANY

Lease Name: OKC SO. WILCOX UNIT Well No.: #12-19

ELEVATION:
1320' Gr. at Level Pad (NGVD29)
1320' Gr. at Level Pad (NAVD88)

Topography & Vegetation Location fell on level pad.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction
from Hwy Jct or Town From the Jct. of Interstate I-35 and Interstate 240, go ±2 miles East, then ±0.5 mile South to lease road, follow lease road West to location in NW/4 of Section 36, T11N – R3W.

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

DATUM: NAD-27
LAT: 35°23'21.3"N
LONG: 97°28'12.2"W
LAT: 35.389245465°N
LONG: 97.470066927°W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2157970
Y: 142122

Project # 128538 Date of Drawing: August 7, 2019
Date Staked: July 31, 2019 RKM

CERTIFICATE:

I, Thomas L. Howell a 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

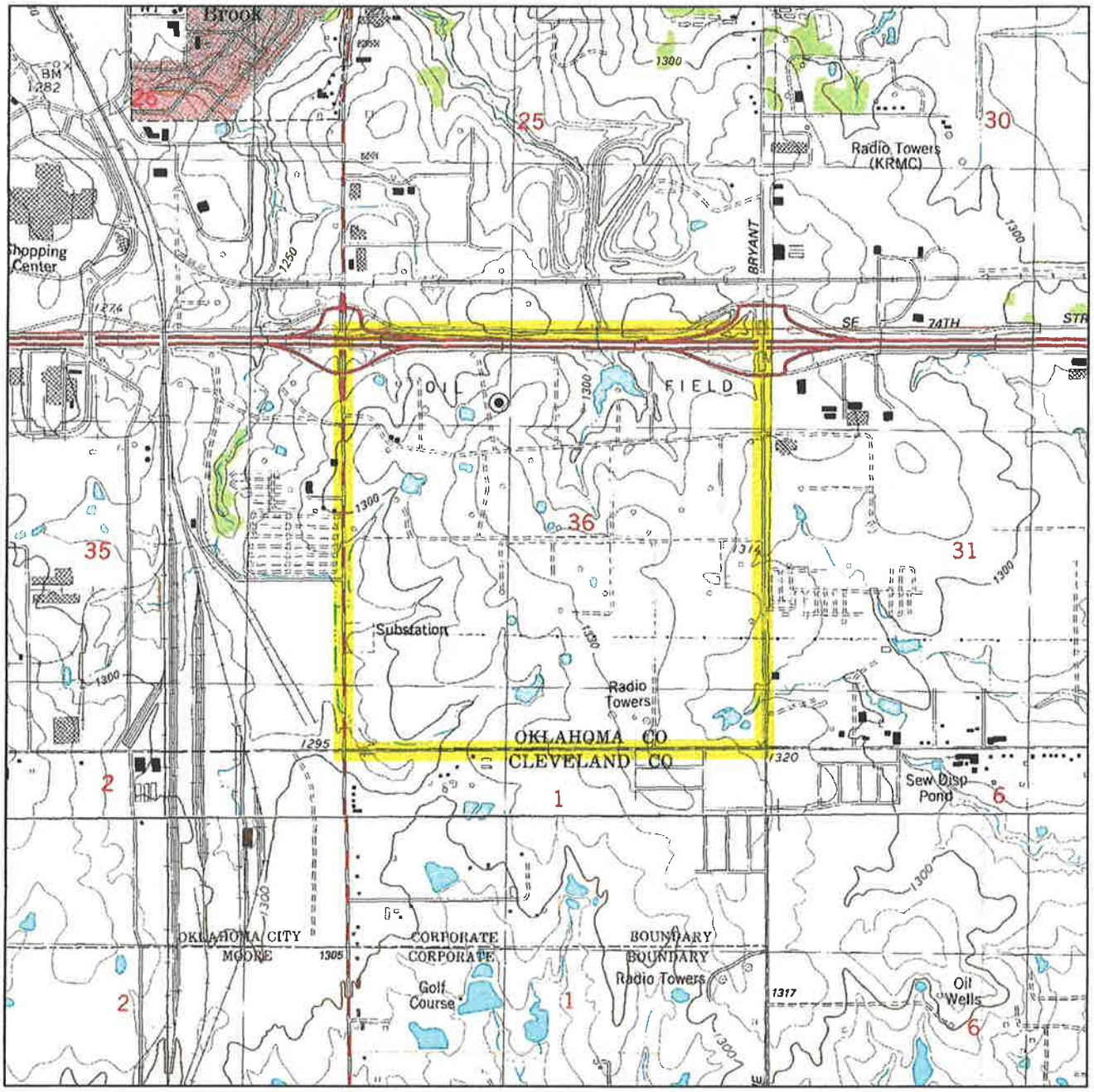
Oklahoma Lic. No. 1433

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
8-7-19
OKLAHOMA

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. 36 Twp. 11N Rng. 3W I.M.

County OKLAHOMA State OK

Operator STEPHENS & JOHNSON OPERATING COMPANY

Description 905'FNL – 1965'FWL

Lease OKC SO. WILCOX UNIT #12-19

Elevation 1320' Gr. at Level Pad (NGVD29)
1320' Gr. at Level Pad (NAVD88)

U.S.G.S. Topographic Quadrangle Map MIDWEST CITY, 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.

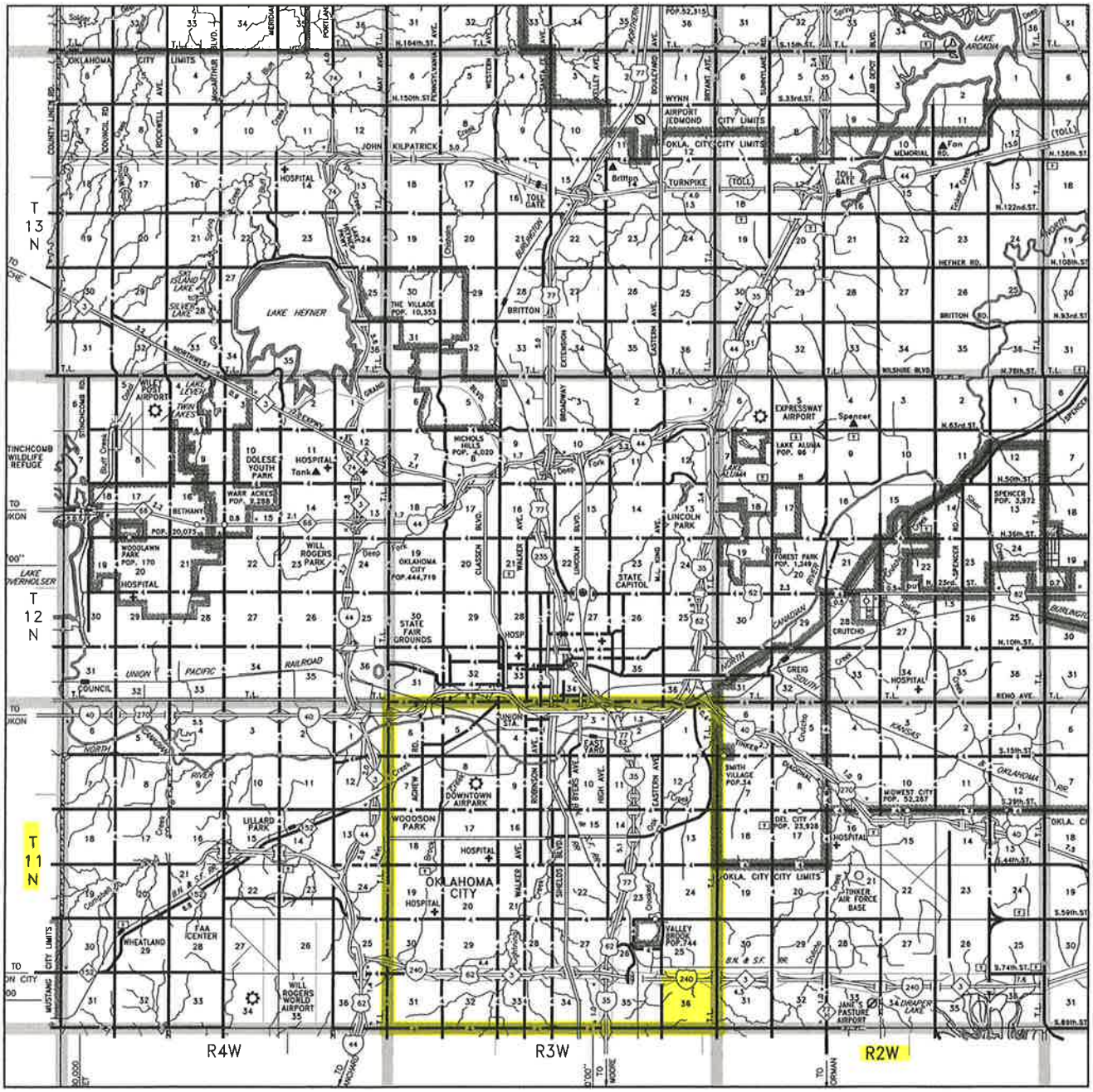
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
LAND SURVEYORS OF OKLAHOMA

June 31, 2019

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

VICINITY MAP



Scale: 1" = 3 Miles

Sec. 36 Twp. 11N Rng. 3W I.M.

County OKLAHOMA State OK

Operator STEPHENS & JOHNSON OPERATING COMPANY

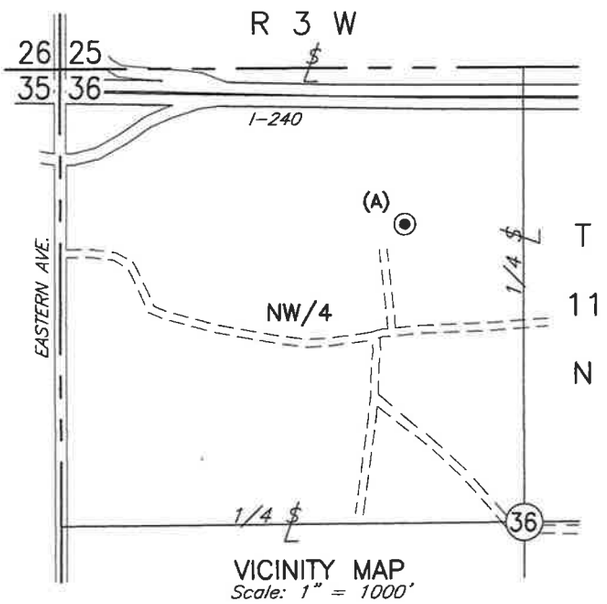
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
LAND SURVEYORS OF OKLAHOMA

T 11 N – R 3 W
(INDIAN MERIDIAN)

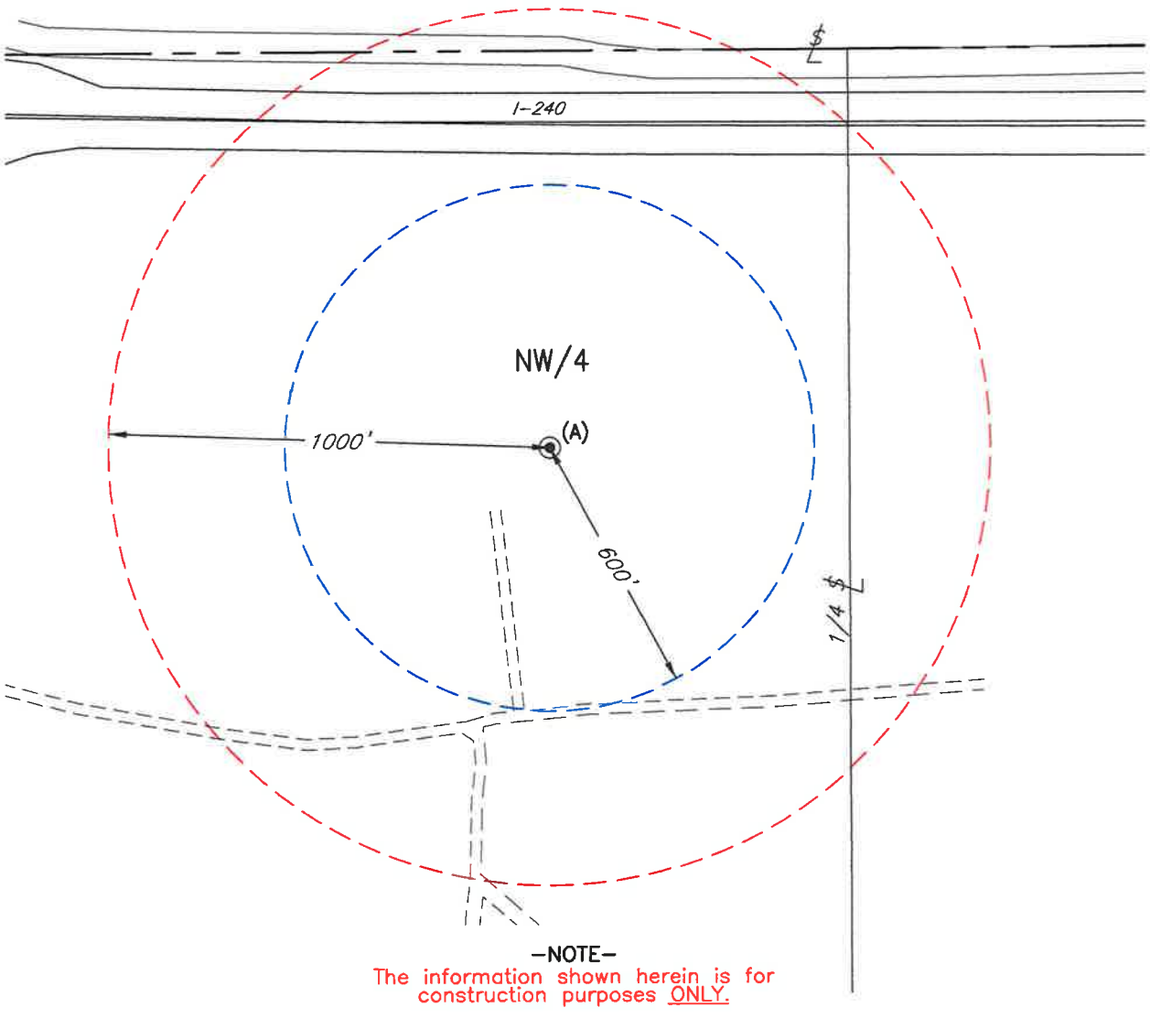




(A) STEPHENS & JOHNSON
OPERATING COMPANY
OKC SO. Wilcox Unit #12–19
905'FNL – 1965'FWL
Elev.: 1320' at Level Pad



VICINITY MAP
Scale: 1" = 1000'



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

PLAT SHOWING

600' & 1000' RADIUS SURROUNDING PROPOSED DRILL SITE FOR OKC SO. WILCOX UNIT #12–19 IN THE NW/4 OF SECTION 36, T11N – R3W, OKLAHOMA COUNTY, OKLAHOMA

NO.	REVISION	DATE	BY
SUR. BY:	TC 7–31–19		
DRAWN BY:	RKM		
APPROVED BY:	TH		

This plat was prepared exclusively for
STEPHENS & JOHNSON OPERATING COMPANY
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

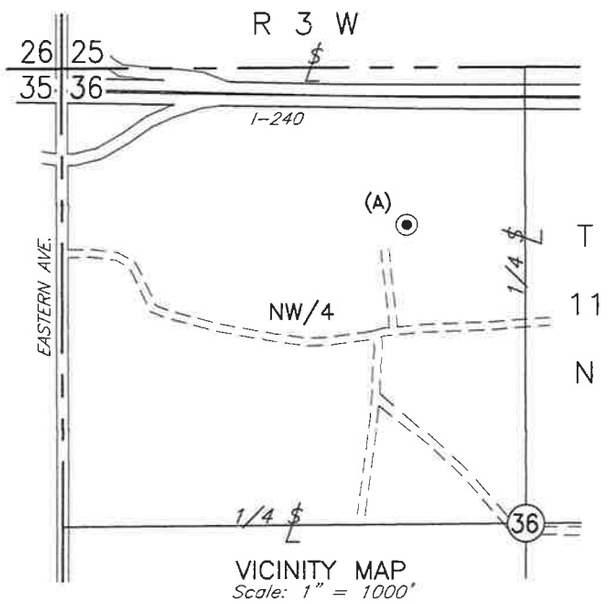
SCALE:	1" = 400'
DATE:	8–5–19
PROJECT NO.:	128538
FILE NAME:	OKC SO. WILCOX.DWG
DWG NO.:	OKC SO. WILCOX UNIT 12–19
SHEET	1 OF 1

T 11 N – R 3 W
(INDIAN MERIDIAN)

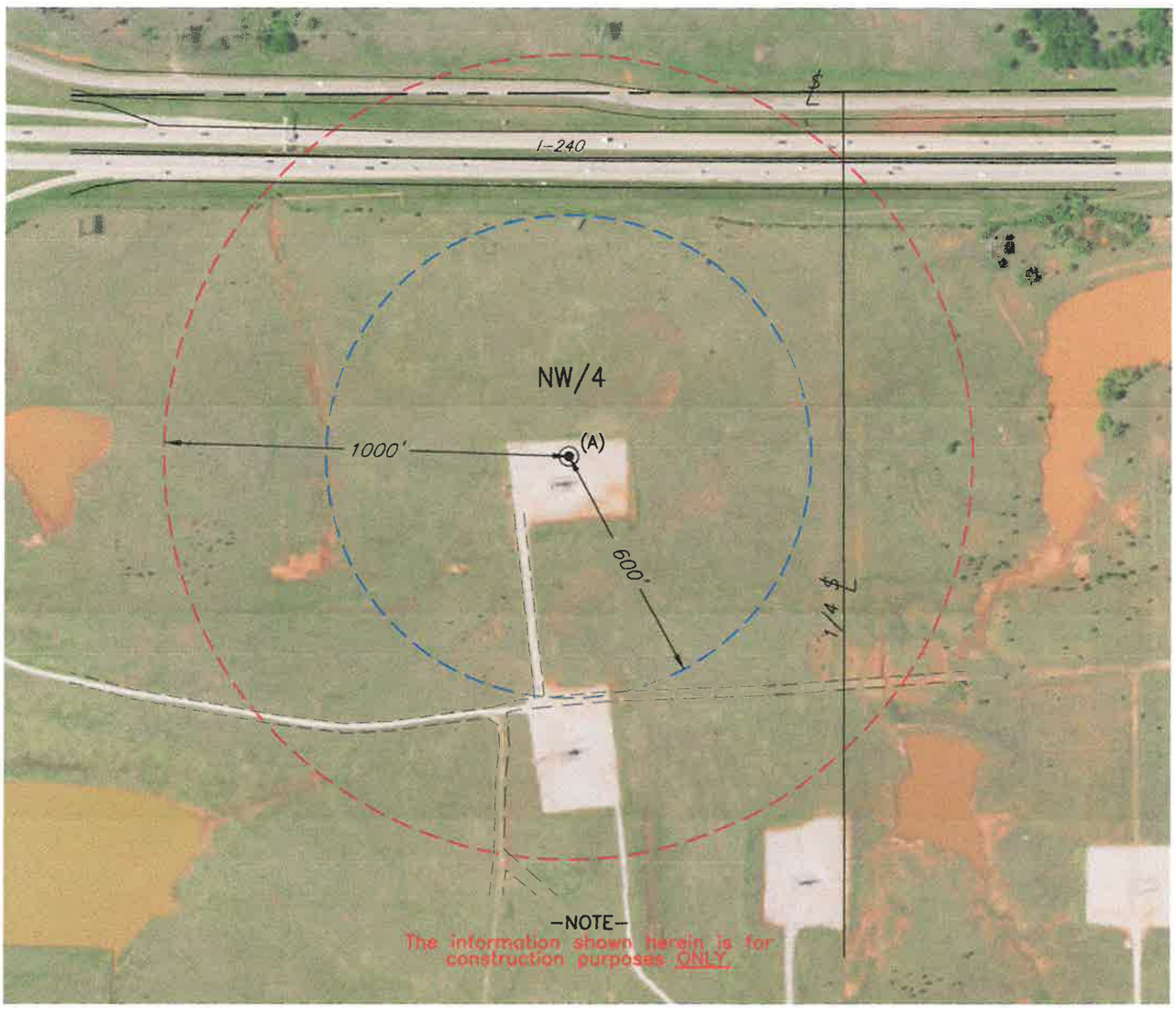




(A) STEPHENS & JOHNSON
OPERATING COMPANY
OKC SO. Wilcox Unit #12–19
905'FNL – 1965'FWL
Elev.: 1320' at Level Pad



VICINITY MAP
Scale: 1" = 1000'



PLAT SHOWING

600' & 1000' RADIUS SURROUNDING PROPOSED DRILL SITE FOR OKC SO. WILCOX UNIT #12–19 IN THE NW/4 OF SECTION 36, T11N – R3W, OKLAHOMA COUNTY, OKLAHOMA

NO.	REVISION	DATE	BY
SUR. BY:	TC 7–31–19		
DRAWN BY:	RKM		
APPROVED BY:	TH		

This plat was prepared exclusively for
STEPHENS & JOHNSON OPERATING COMPANY
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" = 400'
DATE:	8–5–19
PROJECT NO.:	128538
FILE NAME:	OKC SO. WILCOX.DWG
DWG NO.:	OKC SO. WILCOX UNIT 12–19
SHEET	1 OF 1