API NUMBER: 087 22293

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

Approval Date: 03/05/2020
Expiration Date: 09/05/2021

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 34 Township: 6N Range: 4W County: MCCLAIN

SPOT LOCATION: SW NW NW NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **600** **2350**

Lease Name: **INCE** **Well No:** **0604 3HW-22X** **Well will be** **600** **feet from nearest unit or lease boundary.**

Operator Name: **OVINTIV MID-CONTINENT INC.** Telephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0

OVINTIV MID-CONTINENT INC.
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

T.L. AND DANA HARTLEY
4716 N MCMILLAN AVE
BETHANY OK 73008

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10651
2	WOODFORD	319WDFD	10836

Spacing Orders: 626773 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders

Special Orders: No Special Orders

Pending CD Numbers: 202000269
202000271
202000274
202000275
202000280

Total Depth: 21482 Ground Elevation: 1186 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 290

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37296
H. SEE MEMO

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: DUNCAN

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: DUNCAN

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.

MULTI UNIT HOLE 1

Section: 22	Township: 6N	Range: 4W	Total Length: 10254
County: MCCLAIN			Measured Total Depth: 21482
Spot Location of End Point: NE	NE	NE NW	True Vertical Depth: 10836
Feet From: **NORTH**	1/4 Section Line: 85		End Point Location from
Feet From: **WEST**	1/4 Section Line: 2550		Lease,Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	2/28/2020 - 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	2/28/2020 - 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	2/28/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - OBM CUTTINGS TO BE HAUL TO R360/J SCOTT (587498) IN CANADIAN COUNTY - OBM TO VENDOR
PENDING CD – 202000269	3/5/2020 - GB6 - (I.O.) 22-6N-4W X626773 WDFD 2 WELLS NO OP. NAMED REC. 02/25/2020 (NORRIS)
PENDING CD – 202000271	3/5/2020 - GB6 - (I.O.) 27-6N-4W X626773 WDFD 2 WELLS NO OP. NAMED REC. 02/25/2020 (NORRIS)
PENDING CD – 202000274	3/5/2020 - GB6 - (I.O.) 22 & 27 -6N-4W EST MULTIUNIT HORIZONTAL WELL X626773 MSSP, WDFD (MSSP IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 22-6N-4W 50% 27-6N-4W NO OP. NAMED REC. 02/25/2020 (NORRIS)
PENDING CD – 202000275	3/5/2020 - GB6 - (I.O.) 22 & 27 -6N-4W X626773 MSSP, WDFD COMPL. INT. (27-6N-4W) NCT 165' FSL, NCT 0' FNL, NCT 1980' FWL COMPL. INT. (22-6N-4W) NCT 0' FSL, NCT 165' FNL, NCT 1980' FWL NO OP. NAMED REC. 02/25/2020 (NORRIS)
PENDING CD – 202000280	3/5/2020 - GB6 - (I.O.) 22 & 27 -6N-4W X165:10-3-28(C)(2)(B) MSSP, WDFD (INCE 3HW-22X) MAY BE CLOSER THAN 600' TO INCE 1H-22X (API #087-22036) AND/OR PROPOSED WELLS OVINTIV MID-CONTINENT INC. REC. 02/25/2020 (NORRIS)
SPACING – 626773	3/5/2020 - GB6 - (640)(HOR) 22 & 27 -6N-4W VAC OTHER VAC 525649 MSSLM, CNEY, WDFD, OTHER FOR S2 SW4 22-6N-4W VAC 525650 MSSLM, CNEY, WDFD, OTHER FOR N2 27-6N-4W EST MSSP, WDFD EXT OTHER COMPL. INT. (MSSP, OTHER) NCT 660' FB COMPL. INT. (WDFD) NCT 330' FB

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.

TOPOGRAPHIC LAND SURVEYORS

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

MCCLAIN COUNTY, OKLAHOMA

600' FNL - 2350' FEL SECTION 34 TOWNSHIP 6N RANGE 4W I.M.

API 087-22293

GRID
OK SOUTH
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'

BOTTOM HOLE
85' FNL - 2550' FWL
NAD-27
34°59'09.0" N
97°36'32.1" W
34.985832° N
97.608910° W
X 2117150
Y 601598
NAD-83
34°59'09.2" N
97°36'33.2" W
34.985902° N
97.609222° W
X 2085554
Y 601640

NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
- ALL BEARINGS SHOWN ARE GRID, NAD-83, OKLAHOMA SOUTH
- LANDING POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY CLIENT LISTED, NOT SURVEYED.

LAST TAKE POINT
165' FNL - 2550' FWL
NAD-27
34°59'08.2" N
97°36'32.1" W
34.985613° N
97.608911° W
X 2117150
Y 601518
NAD-83
34°59'08.5" N
97°36'33.2" W
34.985682° N
97.609223° W
X 2085554
Y 601560

SURFACE LOCATION
DATUM: NAD-27
LAT: 34°57'19.2" N
LONG: 97°36'27.6" W
LAT: 34.955334° N
LONG: 97.607664° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 2117566
Y: Y 590500

DATUM: NAD-83
LAT: 34°57'19.5" N
LONG: 97°36'28.7" W
LAT: 34.955404° N
LONG: 97.607976° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: X 2085970
Y: Y 590542

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

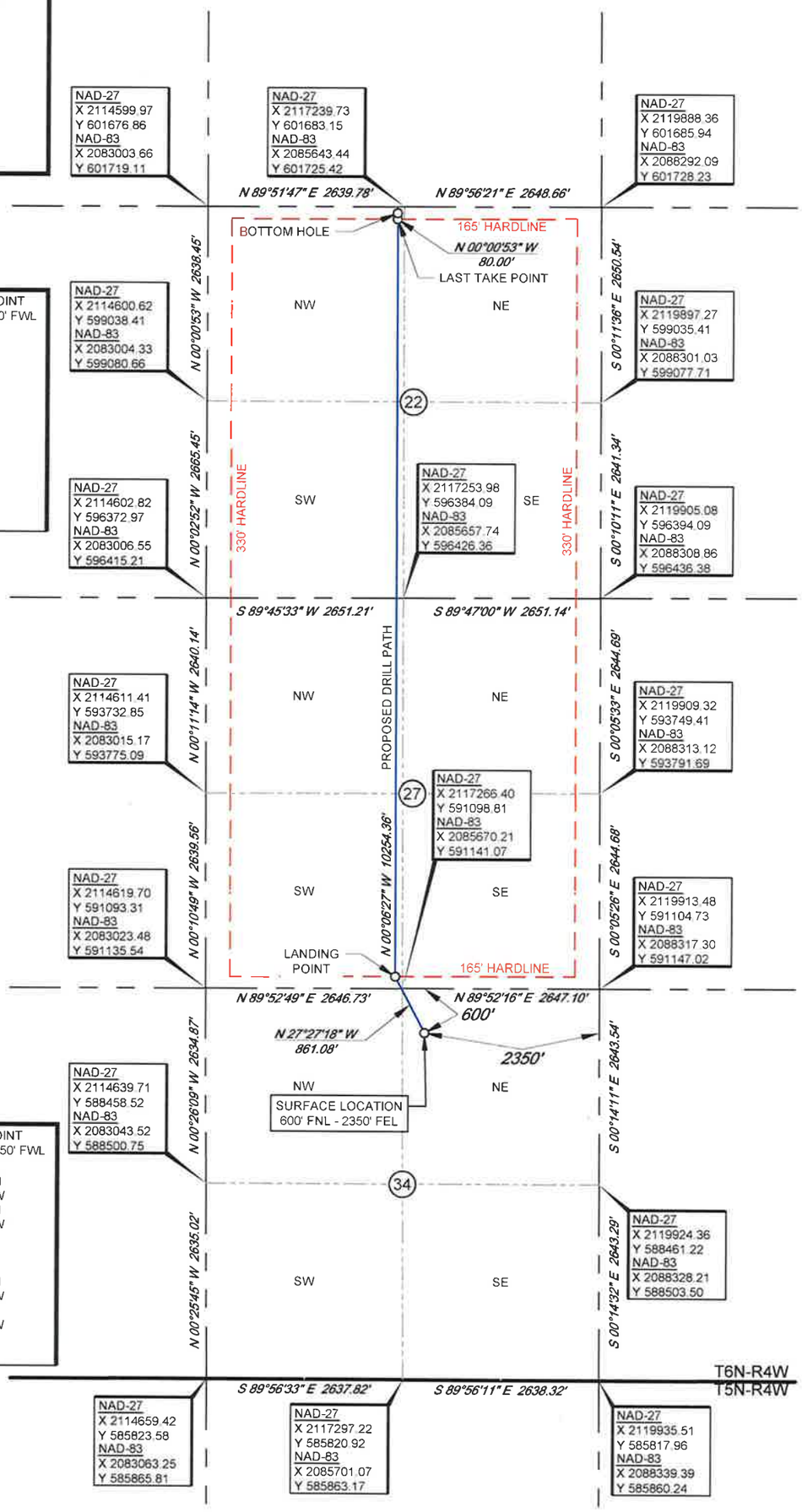
CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify to the information shown herein.

Oklahoma Reg. No. 1433

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
2-25-20
OKLAHOMA

LANDING POINT
165' FSL - 2550' FWL
NAD-27
34°57'26.8" N
97°36'32.3" W
34.957436° N
97.608979° W
X 2117169
Y 591264
NAD-83
34°57'27.0" N
97°36'33.4" W
34.957508° N
97.609291° W
X 2085573
Y 591306



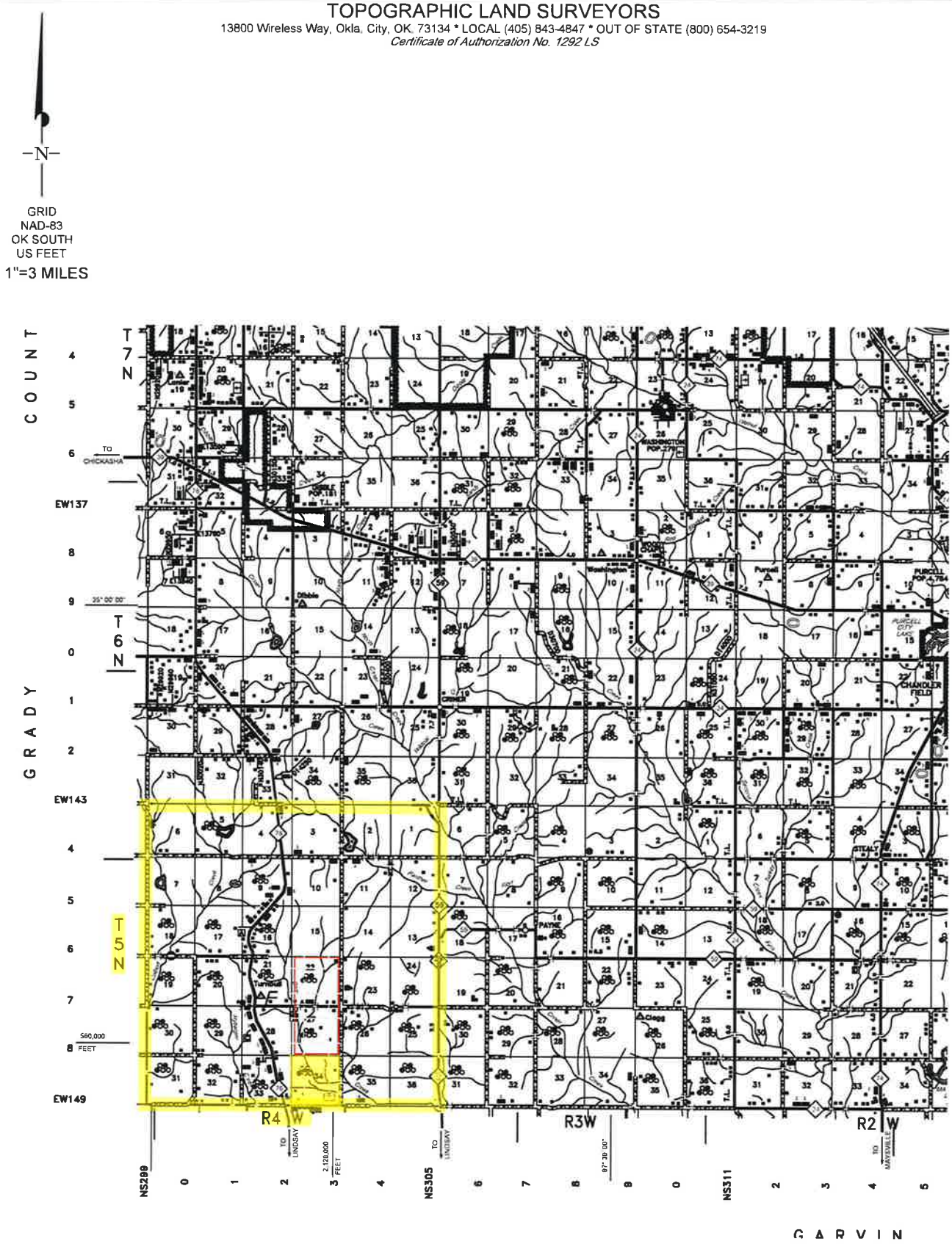
Ovintiv

OPERATOR: OVINTIV MID-CONTINENT INC.
LEASE NAME: INCE 0604 WELL NO: 3HW-22X
TOPOGRAPHY & VEGETATION Location fell in terraced pasture
REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET: None
GOOD DRILL SITE? Yes
BEST ACCESSIBILITY TO LOCATION: From Northeast off of trail road.
DISTANCE & DIRECTION: From the Jct. of OK-76 & 180th St. E, go east +/- 2 miles on 180th St. E to Meridian Ave, go south +/- 1 mi to NE 34-6N-4W.

ELEVATION:
1186' Gr. at Stake (NGVD29)
1186' Gr. at Stake (NAVD88)

PROJECT # 131973
DATE OF DRAWING: FEBRUARY 24, 2020
DATE STAKED: FEBRUARY 24, 2020
DRAWN BY: TR
REVISION: 1
FILE NAME: LO_INCE_0604_3HW-22X_REV1

TOPOGRAPHIC LAND SURVEYORS
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS



SECTION 34 TOWNSHIP 6N RANGE 4W I.M.

COUNTY MCCLAIN STATE OKLAHOMA

OPERATOR OVINTIV MID-CONTINENT INC.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
13800 WIRELESS WAY OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE (405) 843-4847 OR (800) 654-3219 FAX (405) 843-0975
WWW.TOPOGRAPHIC.COM
CERTIFICATE OF AUTHORIZATION NO. 1292 LS

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