

API NUMBER: 087 22291

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

Approval Date: 03/04/2020

Expiration Date: 09/04/2021

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 7N Range: 4W County: MCCLAIN

SPOT LOCATION: ☐ SE ☐ NW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 950 1912

Lease Name: MCCORN Well No: 0704 5HW-18X Well will be 950 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

ROY AND CONNIE BROOKS
26442 COUNTY LING AVE
BLANCHARD OK 73010

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10368
2	WOODFORD	319WDFD	10570

Spacing Orders: 655159
695814

Location Exception Orders: 695815
695837

Increased Density Orders: 693420
693421
693422
693423

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 21363 Ground Elevation: 1254

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

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: 20-37303
E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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: 19	Township: 7N	Range: 4W	Total Length: 10246	
County: MCCLAIN			Measured Total Depth: 21363	
Spot Location of End Point: SE	SW	SW	True Vertical Depth: 10794	
Feet From: SOUTH	1/4 Section Line: 85		End Point Location from	
Feet From: WEST	1/4 Section Line: 350		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
EXCEPTION TO RULE – 695837 (201900469)	3/3/2020 - GB6 - (I.O.) 18 & 19 7N-4W X165:10-3-28(C)(2)(B) MSSP, WDFD (MCCORN 5H-18X**) MAY BE CLOSER THAN 600' TO EXISTING MCCORN 1H-18X, VALADEZ 1-19 AND/OR EVETT 1-19; AND/OR TO PROPOSED MCCORN 2H-18X, MCCORN 3H-18X, MCCORN 4H-18X, MCCORN 6H-18X, MCCORN 7H-18X, MCCORN 8H-18X, MCCORN 20H-18X, MCCORN 21H-18X, MCCORN 22H-18X, MCCORN 23H-18X, MCCORN 24H-18X. NO OP. NAMED 05/08/2019 **S/B MCCORN 0704 5HW-18X. CONFIRMED WELL NAMES TO BE CORRECTED IN FINAL ORDER PER ATT. FOR OP.
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
INCREASED DENSITY - 693420 (201900465)	3/3/2020 - GB6 - 18-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693421 (201900466)	3/3/2020 - GB6 - 19-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693422 (201900467)	3/3/2020 - GB6 - (I.O.) 18-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693423 (201900468)	3/3/2020 - GB6 - (I.O.) 19-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
LOCATION EXCEPTION – 695815 (201900442)	3/3/2020 - GB6 - (I.O.) 18 & 19 -7N-4W X655159 MSSP, WDFD COMPL. INT. (18-7N-4W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (19-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019

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.

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
SPACING - 695814 (201900441)	3/3/2020 - GB6 - (I.O.) 18 & 19 7N-4W EST MULTIUNIT HORIZONTAL WELL X655159 MSSP, WDFD (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 18-7N-4W 50% 19-7N-4W NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019
SPACING – 655159	3/3/2020 - GB6 - (640)(HOR) 18 & 19 7N-4W EST MSSP, WDFD COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER #203926 MISS)

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087 22291 MCCORN 0704 5HW-18X

TOPOGRAPHIC LAND SURVEYORS

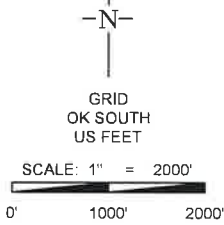
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

MCCLAIN

COUNTY, OKLAHOMA

950' FSL - 1912' FWL SECTION 7 TOWNSHIP 7N RANGE 4W I.M.

API 087-22291



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.

SURFACE LOCATION

DATUM: NAD-27
LAT: 35°05'25.1" N
LONG: 97°39'49.7" W
LAT: 35.090302° N
LONG: 97.663793° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2100583
Y: Y 639561

DATUM: NAD-83
LAT: 35°05'25.3" N
LONG: 97°39'50.8" W
LAT: 35.090369° N
LONG: 97.664108° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2068987
Y: Y 639603

(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.

Thomas L. Howell
Oklahoma Reg. No. 1433



OPERATOR: OVINTIV MID-CONTINENT INC.

LEASE NAME: MCCORN 0704 WELL NO: 5HW-18X

TOPOGRAPHY & VEGETATION Location fell in sloped grass pasture

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET: None

GOOD DRILL SITE? Yes

BEST ACCESSIBILITY TO LOCATION: From West off of county road.

DISTANCE & DIRECTION: From Blanchard, OK go West ±1.1 mile on St. Hwy. 76, then South ±2.8 miles on South County Line road to the Southwest Corner of Section 7-T7N-R4W

ELEVATION:

1254' Gr. at Stake (NGVD29)

1255' Gr. at Stake (NAVD88)

PROJECT # 132994

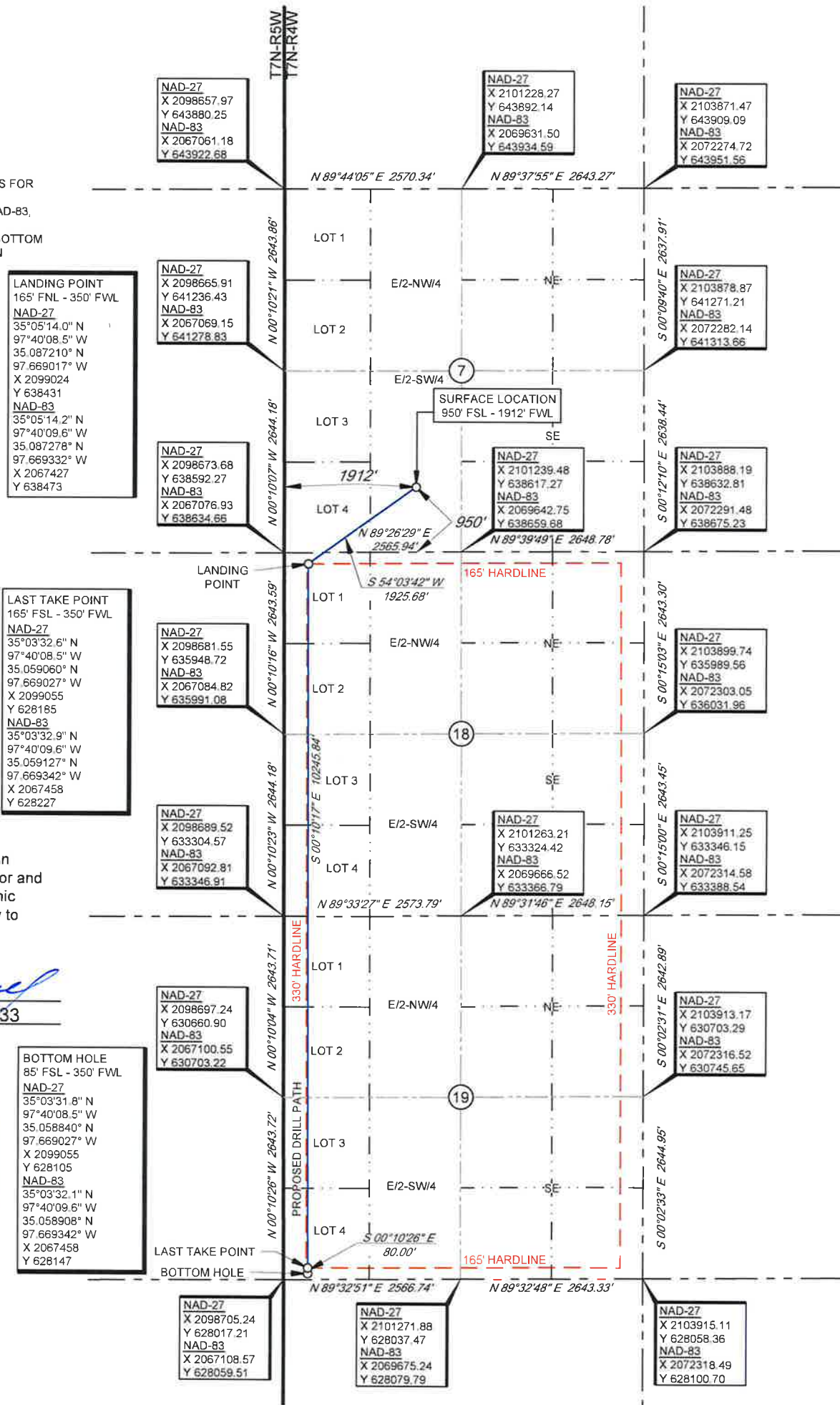
DATE OF DRAWING: FEBRUARY 24, 2020

DATE STAKED: FEBRUARY 23, 2020

DRAWN BY: EAH

REVISION: 0

FILE NAME: LO MCCORN 0704 5HW-18X

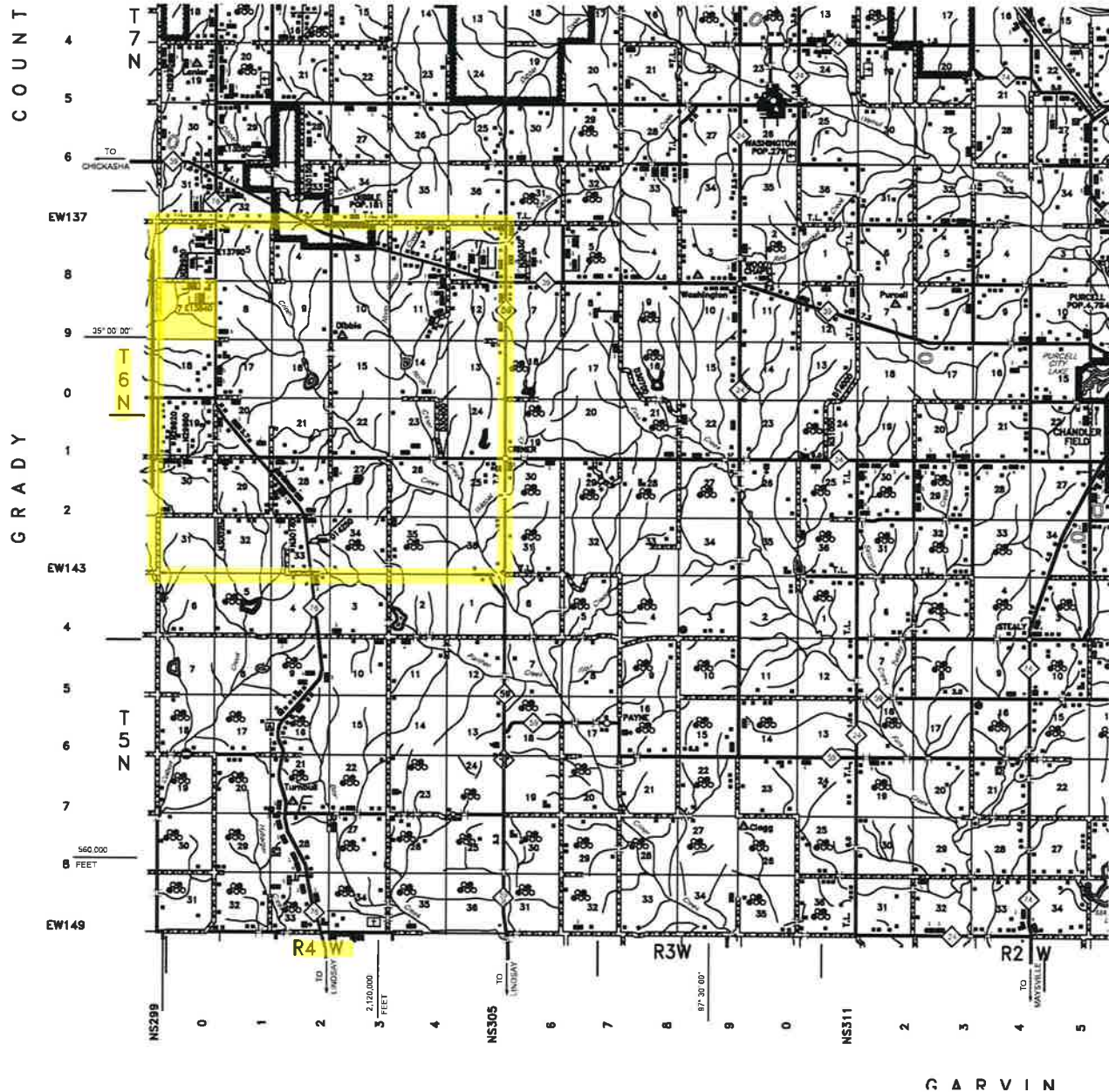


TOPOGRAPHIC LAND SURVEYORS

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GRID
NAD-83
OK SOUTH
US FEET
1"=3 MILES



SECTION 7 TOWNSHIP 7N RANGE 4W I.M.

COUNTY MCCLAIN STATE OKLAHOMA

OPERATOR OVINTIV MID-CONTINENT INC.



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