API NUMBER: 087 22289

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** **1962**

Lease Name: **MCCORN** **Well No:** **0704 3HW-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 LINE AVE
BLANCHARD OK 73010

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10317
2	WOODFORD	319WDFD	10519

Spacing Orders: 655159, 695820

Location Exception Orders: 695821, 695837

Increased Density Orders: 693420, 693421, 693422, 693423

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 21154 Ground Elevation: 1252 **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: 10250
County: MCCLAIN			Measured Total Depth: 21154
Spot Location of End Point: SE	SE	SE SW	True Vertical Depth: 10743
Feet From: **SOUTH**	1/4 Section Line: 85		End Point Location from Lease,Unit, or Property Line: 85
Feet From: **WEST**	1/4 Section Line: 2460		

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 3H-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 4H-18X, MCCORN 5H-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 3HW-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 – 695821 (201900448)	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 1980’ FWL COMPL. INT. (19-7N-4W) NCT 0’ FNL, NCT 165’ FSL, NCT 1980’ 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 - 695820 (201900447)	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)

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.

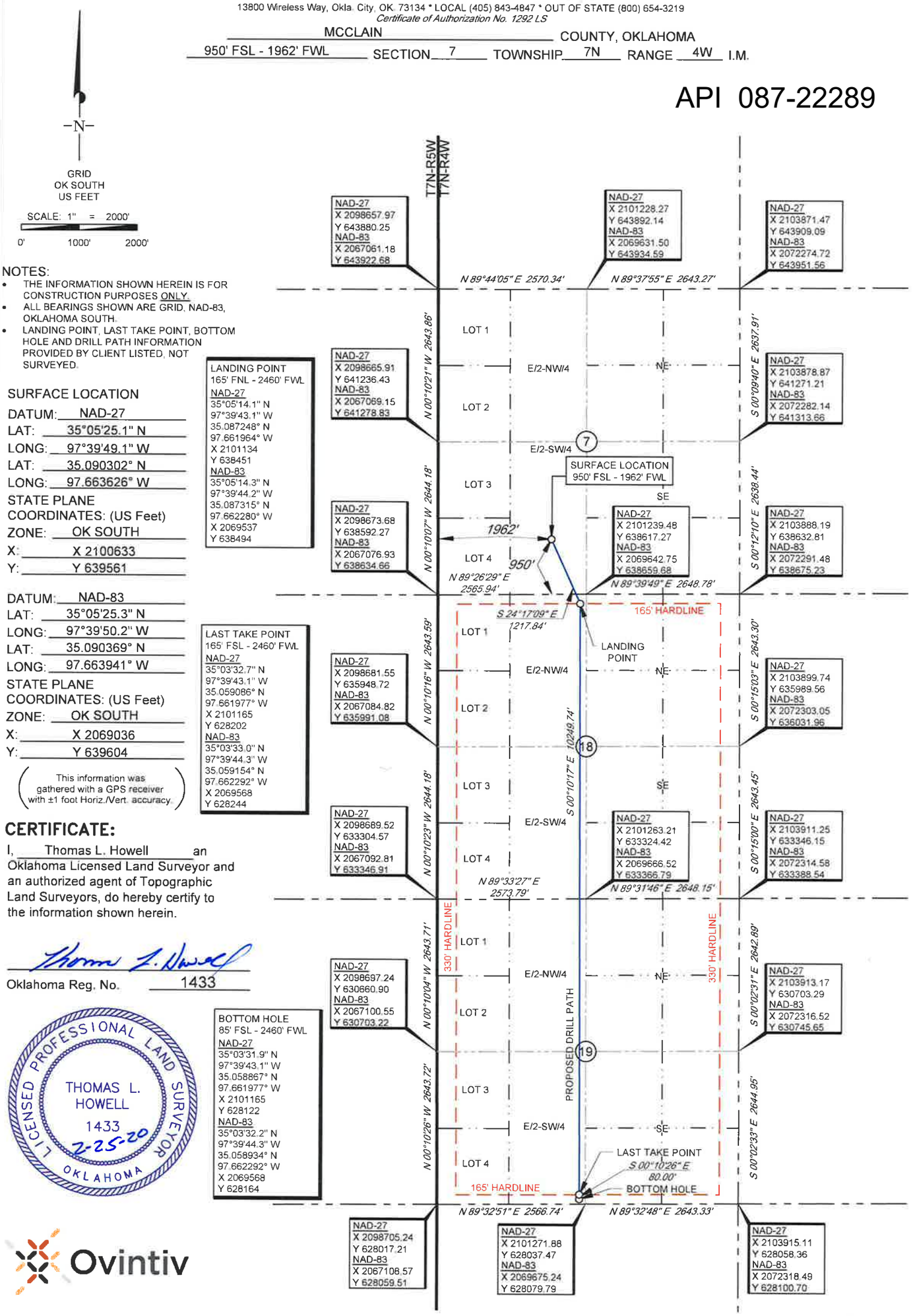
TOPOGRAPHIC LAND SURVEYORS

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

950' FSL - 1962' FWL SECTION 7 TOWNSHIP 7N RANGE 4W I.M.

API 087-22289



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.

LANDING POINT
165' FNL - 2460' FWL
NAD-27
35°05'14.1" N
97°39'43.1" W
35.087248° N
97.661964° W
X 2101134
Y 638451
NAD-83
35°05'14.3" N
97°39'44.2" W
35.087315° N
97.662280° W
X 2069537
Y 638494

SURFACE LOCATION

DATUM: NAD-27
LAT: 35°05'25.1" N
LONG: 97°39'49.1" W
LAT: 35.090302° N
LONG: 97.663626° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2100633
Y: Y 639561

DATUM: NAD-83
LAT: 35°05'25.3" N
LONG: 97°39'50.2" W
LAT: 35.090369° N
LONG: 97.663941° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK SOUTH
X: X 2069036
Y: Y 639604

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

LAST TAKE POINT
165' FSL - 2460' FWL
NAD-27
35°03'32.7" N
97°39'43.1" W
35.059086° N
97.661977° W
X 2101165
Y 628202
NAD-83
35°03'33.0" N
97°39'44.3" W
35.059154° N
97.662292° W
X 2069568
Y 628244

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

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

BOTTOM HOLE
85' FSL - 2460' FWL
NAD-27
35°03'31.9" N
97°39'43.1" W
35.058867° N
97.661977° W
X 2101165
Y 628122
NAD-83
35°03'32.2" N
97°39'44.3" W
35.058934° N
97.662292° W
X 2069568
Y 628164

Ovintiv

OPERATOR: OVINTIV MID-CONTINENT INC.
LEASE NAME: MCCORN 0704 WELL NO: 3HW-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

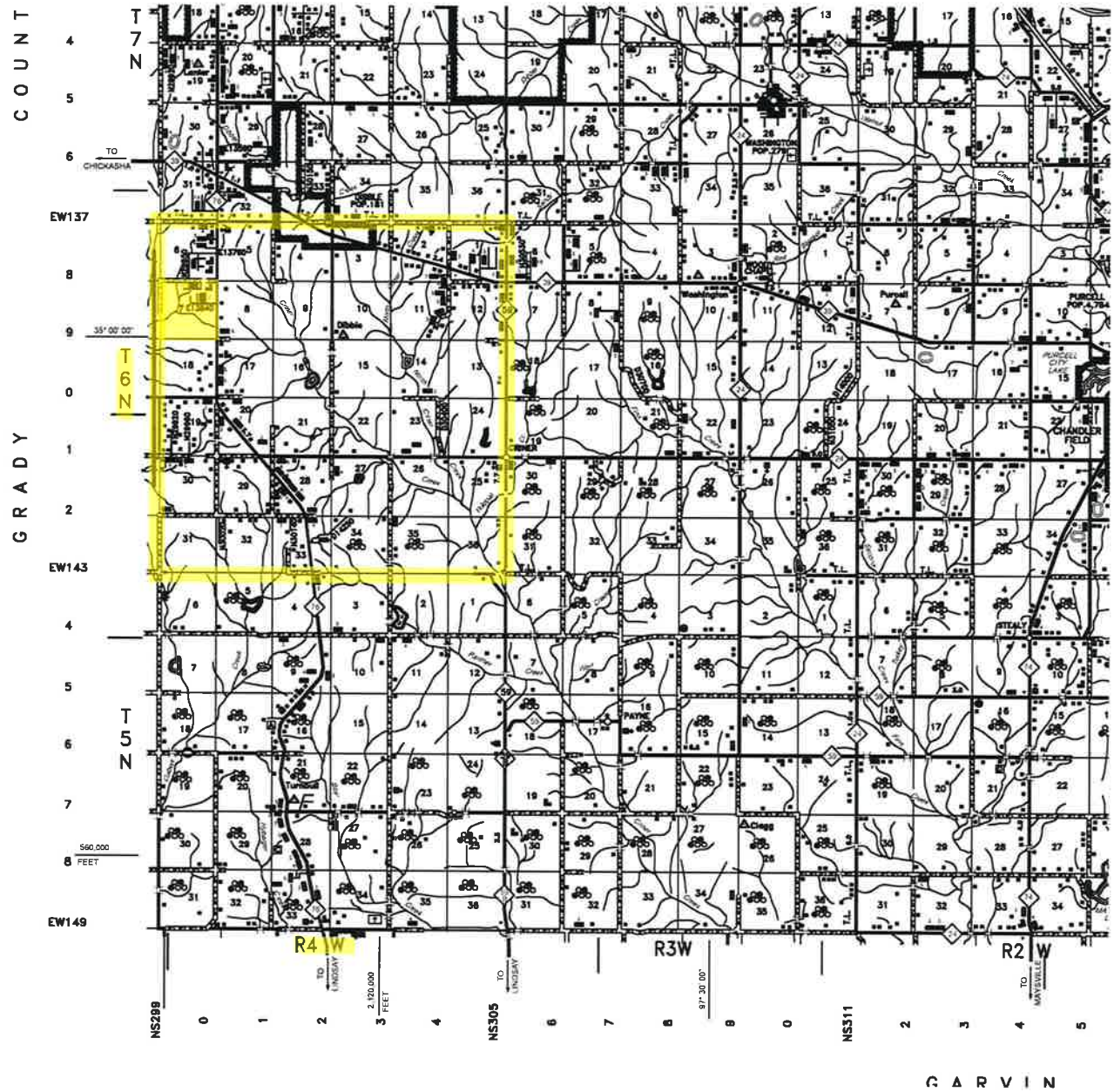
ELEVATION:
1252' Gr. at Stake (NGVD29)
1252' Gr. at Stake (NAVD88)

PROJECT # 132992
DATE OF DRAWING: FEBRUARY 24, 2020
DATE STAKED: FEBRUARY 23, 2020
DRAWN BY: EAH
REVISION: 0
FILE NAME: LO_MCCORN_0704_3HW-18X

O:\SURVEY\OVINTIV\MCCORN_0704_WEST_PAD\FINAL_PRODUCTS\LO_MCCORN_0704_3HW-18X.DWG 2/25/2020 6:23:10 AM ehornbeck

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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.

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