

API NUMBER: 073 26689

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

Approval Date: 03/13/2020

Expiration Date: 09/13/2021

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 17N Range: 8W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1000 2320

Lease Name: GRUNTMEIR Well No: 1708 2H-7XX Well will be 1000 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

BART A BOECKMAN
PO BOX 358
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	8350

Spacing Orders: 637461
645251

Location Exception Orders: 707600

Increased Density Orders: 707377
707378

Pending CD Numbers: 202000344
202000347
202000349
202000355

Special Orders: No Special Orders

Total Depth: 19391

Ground Elevation: 1112

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 310

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: 20-37316
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: CEDAR HILL

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: CEDAR HILL

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: 17N	Range: 8W	Total Length: 11383	
County: KINGFISHER			Measured Total Depth: 19391	
Spot Location of End Point: SE	SW	SW	SE	True Vertical Depth: 8574
Feet From: SOUTH	1/4 Section Line: 85		End Point Location from	
Feet From: EAST	1/4 Section Line: 2040		Lease, Unit, or Property Line: 85	

NOTES:	
Category	Description
DEEP SURFACE CASING	3/11/2020 - GC2 - 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 – 707600 (201905187)	3/13/2020 - GB6 - (I.O.) 18 & 19 -17N-8W X165:10-3-28(C)(2)(B) MSNLC (GRUNTMEIR 1708 2H-7XXX) MAY BE CLOSER THAN 600' TO GRUNTMEIR 1H-18X (API 073-25025), KING 1 (API 073-22418), KRAUS 19-1 (API 073-22782) AND/OR PROPOSED GRUNTMEIR 1708 3H-, 4H-, 5H-, 6H-, 7H-, 8H-18X** 01/16/2020 **PROPOSED WELL NAMES WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR
HYDRAULIC FRACTURING	3/11/2020 - GC2 - 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 – 707377 (201905171)	3/13/2020 - GB6 - 18-17N-8W X637461 MSNLC 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 01/10/2020
INCREASED DENSITY – 707378 (201905172)	3/13/2020 - GB6 - 19-17N-8W X637461 MSNLC 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 01/10/2020
MEMO	3/11/2020 - GC2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - COOPER CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD – 202000344	3/13/2020 - GB6 - (I.O.) 7-17N-8W X645251 MSNLC 4 WELLS NO OP. NAMED REC. 03/03/2020 (PRESLAR)
PENDING CD – 202000347	3/13/2020 - GB6 - (I.O.) 7 & 18 & 19 -17N-8W EST MULTIUNIT HORIZONTAL WELL X645251 MSNLC, OTHER 7-17N-8W X637461 MSNLC, OTHER 18 & 19 -17N-8W 20% 7-17N-8W 40% 18-17N-8W 40% 19-17N-8W NO OP. NAMED REC. 03/10/2020 (PRESLAR)

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.

PENDING CD – 202000349	3/13/2020 - GB6 - (I.O.) 7 & 18 & 19 -17N-8W X645251 MSNLC, OTHER 7-17N-8W X637461 MSNLC, OTHER 18 & 19 -17N-8W COMPL. INT. (7-17N-8W) NCT 2640' FNL, NCT 0' FSL, NCT 1980' FEL COMPL. INT. (18-17N-8W) NCT 0' FNL, NCT 0' FSL, NCT 1980' FEL COMPL. INT. (19-17N-8W) NCT 0' FNL, NCT 165' FSL, NCT 1980' FEL NO OP. NAMED REC. 03/03/2020 (PRESLAR)
PENDING CD – 202000355	3/13/2020 - GB6 - (I.O.) 7-17N-8W X165:10-3-28(C)(2)(B) MSNLC (GRUNTMEIR 1708 2H-7XXX) MAY BE CLOSER THAN 600' TO BATT 1H-6X (API 073-25205), GEIS 2-7 (API 073-23293) AND/OR PROPOSED GRUNTMEIR 1708 3H-, 4H-, 5H-, 6H-, 7H-, 8H-18X** REC. 03/03/2020 (PRESLAR) **PROPOSED WELL NAMES WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR
SPACING – 637461	3/13/2020 - GB6 - (640)(HOR) 18 & 19 -17N-8W EST MSNLC, OTHER COMPL. INT. (MSNLC) NCT 660' FB (COEXIST SP. ORDER # 164996 MNNG, MSSSD ALL 18; SP. ORDER # 195957** CRLMN NE4 18 & NE4 19; SP. ORDER # 82134 MNNG, MSSSD ALL 19) **NOT NECESSARY TO COEXIST 195957 CRLMN.
SPACING – 645251	3/13/2020 - GB6 - (640)(HOR) 7-17N-8W EXT 637461 MSNLC, OTHER COMPL. INT. (MSNLC) NCT 660' FB (COEXIST SP. ORDER # 77564 MSSSD ALL 6, N2 7; SP. ORDER # 79310 MSSSD S2 7)

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.

073 26689 GRUNTMEIR 1708 2H-7XX

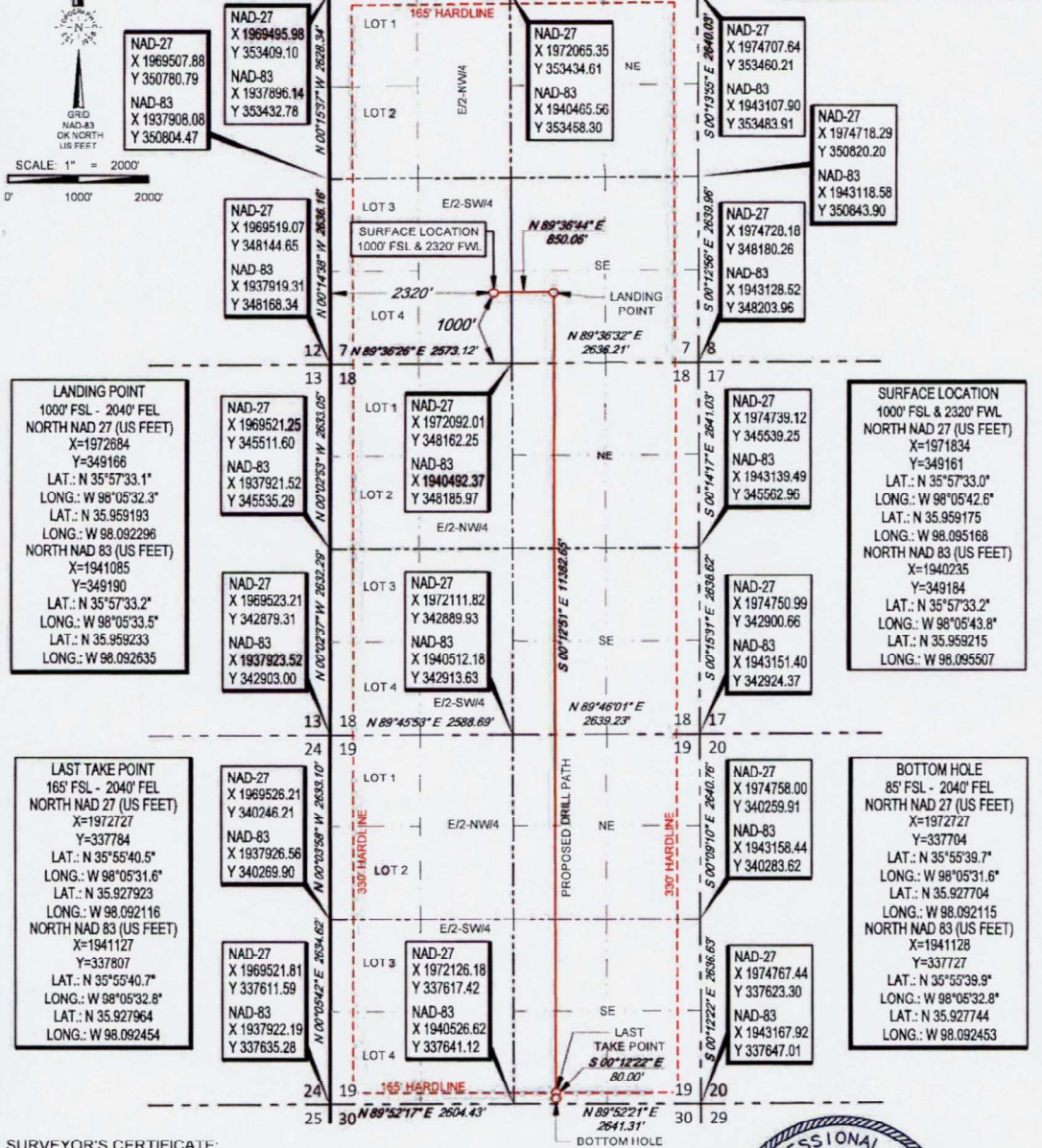
API 073-26689

WELL LOCATION

GRUNTMEIR 1708 2H-7XX
OVINTIV MID-CONTINENT INC.
SECTION 7, TOWNSHIP 17-N, RANGE 8-W I.M.
KINGFISHER COUNTY, OKLAHOMA

LEGEND

BLOCK/TOWNSHIP LINE
MERIDIAN/SECTION LINE
QUARTER SECTION LINE
SIXTEENTH SECTION LINE
PROPOSED WELL BORE



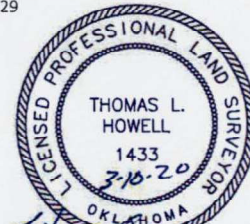
SURVEYOR'S CERTIFICATE:

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.

ELEVATION:

1112' Gr. at Existing Pad (NGVD29)
1112' Gr. at Existing Pad (NAVD88)

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



Thomas L. Howell P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

LEASE NAME & WELL NO.:

GRUNTMEIR 1708 2H-7XX

SECTION 7 TWP 17-N RGE 8-W MERIDIAN I.M.
COUNTY KINGFISHER STATE OKLAHOMA
DESCRIPTION 1000' FSL & 2320' FWL

GRUNTMEIR 1708 2H-7XX	REVISION:		NOTES
	INT	DATE	
DATE: 03/03/20			1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
FILE: LO GRUNTMEIR 1708 2H-7XX REV1			2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA, NORTH ZONE, NAD 83 - HORIZONTAL AND NAVD 88 - VERTICAL.
DRAWN BY: EAH			3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION AND USING DOCUMENTATION PROVIDED BY OVINTIV MID-CONTINENT INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE AND MADE FOR THIS TRANSACTION ONLY.
SHEET: 1 OF 2			4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
			5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.