

API NUMBER: 073 26712

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

Approval Date: 09/17/2020
Expiration Date: 03/17/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 16N Range: 8W County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 475 1535

Lease Name: CONNIE FED 1608 Well No: 4H-15X Well will be 475 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

SUE ELLEN STRECK
14300 W RENO
YUKON OK 73099

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	8459

Spacing Orders: 626748	Location Exception Orders: 693678	Increased Density Orders: 691211
693677	709512	709504
709511	693575	691352
	709519	709503

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 18921 Ground Elevation: 1087

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 170

Deep surface casing has been approved

Under Federal Jurisdiction: Yes
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: 20-37406
E. Haul to Commercial pit facility	Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
H. (Other)	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: 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: 15	Township: 16N	Range: 8W	Total Length: 10303	
County: KINGFISHER			Measured Total Depth: 18921	
Spot Location of End Point: NW	NW	NE	NW	True Vertical Depth: 8500
Feet From: NORTH	1/4 Section Line: 85		End Point Location from	
Feet From: WEST	1/4 Section Line: 1360		Lease, Unit, or Property Line: 85	

NOTES:	
Category	Description
DEEP SURFACE CASING	9/11/2020 - 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 - 693575	9/17/2020 - G56 - (I.O.) 15 & 22-16N-8W X165:10-3-28(C)(2)(B) MSSP (CONNIE FIU 1608 4H-15X)*** MAY BE CLOSER THAN 600' TO PROPOSED AND/OR CONNIE 1H-15X, CHLOUBER 1, CHLOUBER 1-15, HOWLING WATER 1-22, BROWNLEE 22-1 WELLS NO OP NAMED 3/27/2019 *** S/B CONNIE FED 1608 4H-15X, WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR
EXCEPTION TO RULE - 709519	9/17/2020 - G56 - EXTENSION OF TIME FOR ORDER # 693575
HYDRAULIC FRACTURING	9/11/2020 - 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 - 691211	9/17/2020 - G56 - 22-16N-8W X626748 MSSP 7 WELLS NEWFIELD EXPLORATION MID-CON INC. (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC.) 2/11/2020
INCREASED DENSITY - 691352	9/17/2020 - G56 - 15-16N-8W X626748 MSSP 7 WELLS NEWFIELD EXPLORATION MID-CON INC. (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CONTINENT INC.) 2/13/2020
INCREASED DENSITY - 709503	9/17/2020 - G56 - EXTENSION OF TIME FOR ORDER # 691352
INCREASED DENSITY - 709504	9/17/2020 - G56 - EXTENSION OF TIME FOR ORDER # 691211
INTERMEDIATE CASING	9/14/2020 - G56 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
LOCATION EXCEPTION - 693678	9/17/2020 - G56 - (I.O.) 15 & 22-16N-8W X626748 MSSP COMPL INT (22-16N-8W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL INT (15-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL NEWFIELD EXPLORATION MID-CON INC. (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC.) 3/28/2019
LOCATION EXCEPTION - 709512	9/17/2020 - G56 - EXTENSION OF TIME FOR ORDER # 693678
MEMO	9/11/2020 - GC2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - KINGFISHER CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

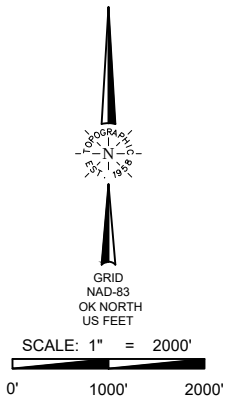
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

SPACING - 626748	9/17/2020 - G56 - (640)(HOR) 15 & 22-16N-8W VAC 42491 MSCST 15 & 22-16N-8W VAC 69145 MSSLM 15-16N-8W VAC 73122 MSSLM N2, SE4 15-16N-8W VAC 189466 MCSMN N2, SE4 15-16N-8W VAC 205209 MISS W2 NE4, NW4, S2 22-16N-8W VAC 214705 MNNG W2 NE4, NW4, S2 22-16N-8W VAC 509817 MSCST NW4 22-16N-8W EST MSSP, OTHER COMPL INT NCT 660' FB (COEXIST E2 SW4 15-16N-8W SP # 73122 MSSLM, SP # 189466 MCSMN; W2 SW4 15-16N-8W SP # 73122 MSSLM, SP # 189466 MCSMN; E2 NE4 22-16N-8W SP # 214705 MNNG, SP # 205209 MISS; NW4 22-16N-8W SP # 509817 MSSLM)
SPACING - 693677	9/17/2020 - G56 - (I.O) 15 & 22-16N-8W EST MULTIUNIT HORIZONTAL WELL X626748 MSSP 50% 15-16N-8W 50% 22-16N-8W NEWFIELD EXPLORATION MID-CON INC. (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC.) 3/28/2019
SPACING - 709511	9/17/2020 - G56 - EXTENSION OF TIME FOR ORDER # 693677

WELL LOCATION
CONNIE FED 1608 4H-15X
OVINTIV MID-CONTINENT INC.
SECTION 27, TOWNSHIP 16-N, RANGE 8-W I.M.
KINGFISHER COUNTY, OKLAHOMA

LEGEND

SECTION LINE
QUARTER SECTION LINE
SIXTEENTH SECTION LINE
PROPOSED WELL BORE

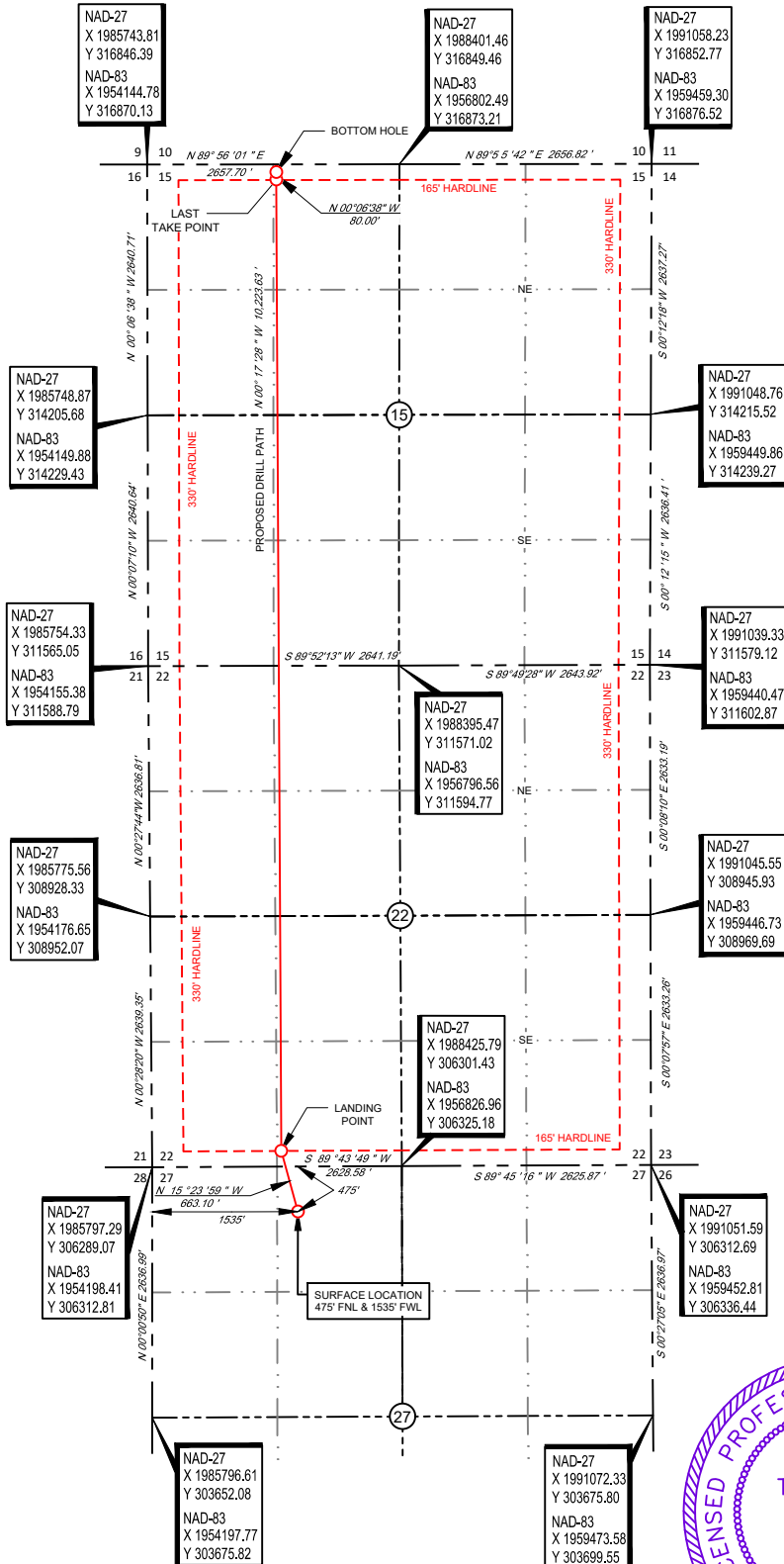


LAST TAKE POINT
165' FNL - 1360' FWL
NAD 27 (US FEET)
X=1987104
Y=316683
LAT.: 35°52'11.9" N
LONG.: 98°02'36.7" W
LAT.: 35.869983° N
LONG.: 98.043524° W
NAD 83 (US FEET)
X=1955505
Y=316707
LAT.: 35°52'12.1" N
LONG.: 98°02'37.9" W
LAT.: 35.870025° N
LONG.: 98.043860° W

LANDING POINT
165' FSL - 1360' FWL
NAD 27 (US FEET)
X=1987156
Y=306460
LAT.: 35°50'30.8" N
LONG.: 98°02'36.0" W
LAT.: 35.841900° N
LONG.: 98.043334° W
NAD 83 (US FEET)
X=1955557
Y=306484
LAT.: 35°50'31.0" N
LONG.: 98°02'37.2" W
LAT.: 35.841942° N
LONG.: 98.043669° W

BOTTOM HOLE
85' FNL - 1360' FWL
NAD 27 (US FEET)
X=1987104
Y=316763
LAT.: 35°52'12.7" N
LONG.: 98°02'36.7" W
LAT.: 35.870203° N
LONG.: 98.043525° W
NAD 83 (US FEET)
X=1955505
Y=316787
LAT.: 35°52'12.9" N
LONG.: 98°02'37.9" W
LAT.: 35.870245° N
LONG.: 98.043860° W

SURFACE LOCATION
475' FNL & 1535' FWL
NAD 27 (US FEET)
X=1987332
Y=305821
LAT.: 35°50'24.5" N
LONG.: 98°02'33.9" W
LAT.: 35.840143° N
LONG.: 98.042739° W
NAD 83 (US FEET)
X=1955733
Y=305845
LAT.: 35°50'24.7" N
LONG.: 98°02'35.1" W
LAT.: 35.840186° N
LONG.: 98.043074° W



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:
1087' Gr. at Stake (NGVD29)
1087' Gr. at Stake (NAVD88)



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

LEASE NAME & WELL NO.: CONNIE FED 1608 4H-15X
SECTION 27 TWP 16-N RGE 8-W MERIDIAN I.M.
COUNTY KINGFISHER STATE OKLAHOMA
DESCRIPTION 475' FNL & 1535' FWL

CONNIE FED 1608 4H-15X	REVISION:	
	INT	DATE
DATE: 06/30/20		
FILE: LO_CONNIE_FED_1608_4H-15X		
DRAWN BY: KEU		
SHEET: 1 OF 2		

- NOTES:
- ORIGINAL DOCUMENT SIZE: 8.5" X 14"
 - 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.
 - 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.
 - LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
 - THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY