

API NUMBER: 017 25667

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

Approval Date: 04/13/2021
Expiration Date: 10/13/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 11 Township: 14N Range: 7W County: CANADIAN

SPOT LOCATION: ☐ SE ☐ NE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 878 1563

Lease Name: ROCK ISLAND Well No: 1407 4H-14XX Well will be 878 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

CYNTHIA K. SCHROEDER
15438 W 149TH TERRACE
OLATHE KS 66062

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8017
2	MISSISSIPPI SOLID	351MSSSD	8212
3	WOODFORD	319WDFD	8662

Spacing Orders: 587241	Location Exception Orders: 698586	Increased Density Orders: 702206
637734	711035	702207
632037		692431
698585		692432
711034		692433
		692434
		710977
		710985
		713906
		713907
		713908
		713853

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 21247 Ground Elevation: 1142

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 210

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: 21-37573
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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: BISON

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Category of Pit: C

Liner not required for Category: C

Type of Mud System: OIL BASED

Pit Location is: NON HSA

Chlorides Max: 300000 Average: 200000

Pit Location Formation: BISON

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 not** located in a Hydrologically Sensitive Area.**MULTI UNIT HOLE 1**

Section: 26 Township: 14N Range: 7W Meridian: IM

Total Length: 12500

County: CANADIAN

Measured Total Depth: 21247

Spot Location of End Point: NW SE SW NE

True Vertical Depth: 9000

Feet From: **NORTH** 1/4 Section Line: 2160

End Point Location from

Feet From: **EAST** 1/4 Section Line: 1740

Lease, Unit, or Property Line: 1740

NOTES:

Category	Description
DEEP SURFACE CASING	[4/7/2021 - 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
HYDRAULIC FRACTURING	<p>[4/7/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INCREASED DENSITY - 692431	<p>[4/12/2021 - G56] - 23-14N-7W X637734 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 3/5/2019</p>
INCREASED DENSITY - 692432	<p>[4/12/2021 - G56] - 23-14N-7W X637734 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 3/5/2019</p>
INCREASED DENSITY - 692433	<p>[4/12/2021 - G56] - 26-14N-7W X632037 MSSSD 6 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 3/5/2019</p>
INCREASED DENSITY - 692434	<p>[4/12/2021 - G56] - 26-14N-7W X632037 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 3/5/2019</p>
INCREASED DENSITY - 702206	<p>[4/12/2021 - G56] - 14-14N-7W X587241 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 9/13/2019</p>

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.

INCREASED DENSITY - 702207	[4/12/2021 - G56] - 14-14N-7W X587241 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID-CON INC) 9/13/2019
INCREASED DENSITY - 710985	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 702207
INCREASED DENSITY - 713853	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 692434
INCREASED DENSITY - 713906	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 692431
INCREASED DENSITY - 713907	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 692432
INCREASED DENSITY - 713908	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 692433
LOCATION EXCEPTION - 698586	[4/12/2021 - G56] - (I.O.) 14, 23 & 26-14N-7W X587241 MSSP, WDFD, OTHER 14-14N-7W X637734 MSSP, WDFD, OTHER 23-14N-7W X632037 MSSSD, WDFD, OTHER 26-14N-7W COMPL INT (14-14N7W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (23-14N-7W) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (26-14N-7W) NCT 0' FNL, NCT 2640' FSL, NCT 330' FEL NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID CON INC) 7/1/2019
LOCATION EXCEPTION - 711035	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 698586
MEMO	[4/7/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - UNCLE JOHN CREEK AND OKNONAME 30065), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 587241	[4/12/2021 - G56] - (640)(HOR) 14-14N-7W VAC 122201 MISS, OTHERS VAC 164357 WDFD, OTHERS EST MSSP, WDFD, OTHERS COMPL INT (MSSP) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH PRODUCING NON HORIZONTAL SP UNITS, SUPERSEDE NON DEVELOPED NON HORIZONTAL SP UNITS)
SPACING - 632037	[4/12/2021 - G56] - (640)(HOR) 26-14N-7W EXT 621416 WDFD, OTHER EST MSSSD (COEXIST WITH SP # 137094 MISS)
SPACING - 698585	[4/12/2021 - G56] - (I.O.) 14, 23 & 26-14N-7W EST MULTIUNIT HORIZONTAL WELL X587241 MSSP, WDFD, OTHER 14-14N-7W X637734 MSSP, WDFD, OTHER 23-14N-7W X632037 MSSSD, WDFD, OTHER 26-14N-7W 40% 14-14N-7W 41% 23-14N-7W 19% 26-14N-7W NEWFIELD EXPLORATION MID-CON INC (BOUGHT IN IT'S ENTIRETY BY OVINTIV MID CON INC) 7/1/2019
SPACING - 711034	[4/12/2021 - G56] - EXTENSION OF TIME FOR ORDER # 698585

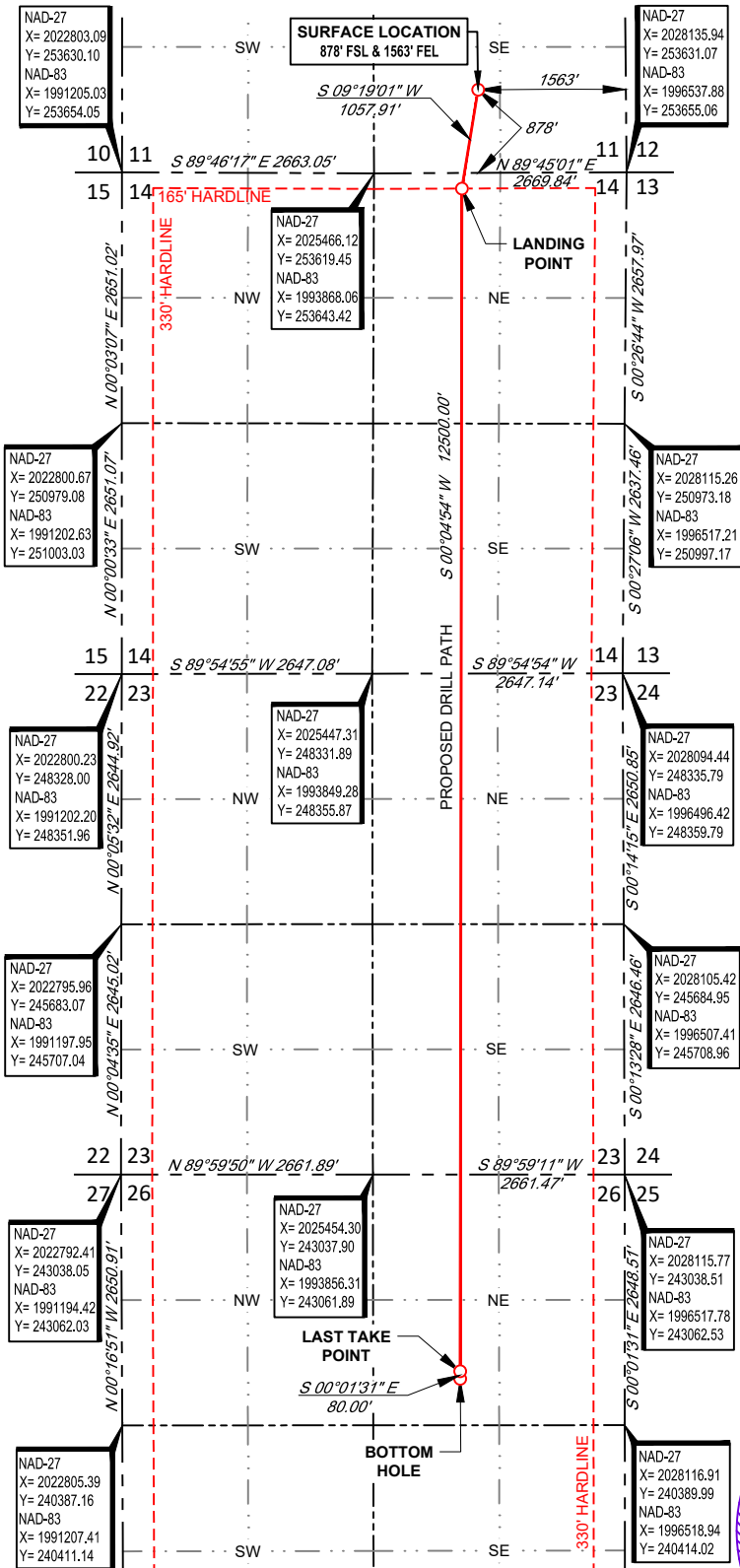
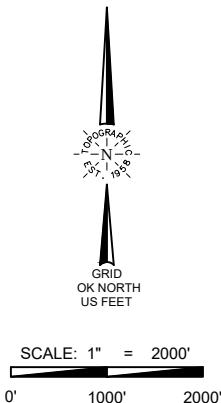
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017 25667 ROCK ISLAND 1407 4H-14XX

WELL LOCATION
ROCK ISLAND 1407 4H-14XX
OVINTIV MID-CONTINENT INC.
SECTION 11, TOWNSHIP 14N, RANGE 7W, I.M.
CANADIAN COUNTY, OKLAHOMA

LEGEND

--- SECTION LINE
- - - QUARTER SECTION LINE
... 16TH LINE
- - - PROPOSED WELL BORE



LANDING POINT
165' FNL & 1740' FEL
NAD-27
X= 2026395
Y= 253458
LAT.: 35°41'46.6" N
LONG.: 97°54'40.0" W
LAT.: 35.696266° N
LONG.: 97.911112° W
NAD-83
X= 1994796
Y= 253482
LAT.: 35°41'46.7" N
LONG.: 97°54'41.2" W
LAT.: 35.696313° N
LONG.: 97.911440° W

BOTTOM HOLE
2160' FNL & 1740' FEL
NAD-27
X= 2026377
Y= 240878
LAT.: 35°39'42.1" N
LONG.: 97°54'40.4" W
LAT.: 35.661706° N
LONG.: 97.911211° W
NAD-83
X= 1994779
Y= 240902
LAT.: 35°39'42.3" N
LONG.: 97°54'41.5" W
LAT.: 35.661754° N
LONG.: 97.911539° W

SURFACE LOCATION
878' FSL & 1563' FEL
NAD-27
X= 2026566
Y= 254502
LAT.: 35°41'56.9" N
LONG.: 97°54'37.9" W
LAT.: 35.699133° N
LONG.: 97.910532° W
ELEV.: 1142' (NGVD29)
NAD-83
X= 1994968
Y= 254526
LAT.: 35°41'57.1" N
LONG.: 97°54'39.1" W
LAT.: 35.699181° N
LONG.: 97.910860° W
ELEV.: 1142' (NAVD88)

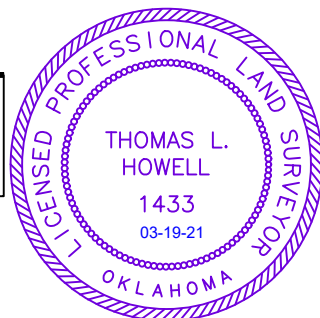
LAST TAKE POINT
2080' FNL & 1740' FEL
NAD-27
X= 2026377
Y= 240958
LAT.: 35°39'42.9" N
LONG.: 97°54'40.4" W
LAT.: 35.661925° N
LONG.: 97.911211° W
NAD-83
X= 1994779
Y= 240982
LAT.: 35°39'43.1" N
LONG.: 97°54'41.5" W
LAT.: 35.661974° N
LONG.: 97.911539° W

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.



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. ROCK ISLAND 1407 4H-14XX

SECTION 11 TWP 14N RGE 7W MERIDIAN I.M.
COUNTY CANADIAN STATE OKLAHOMA
DESCRIPTION 878' FSL & 1563' FEL

ROCK ISLAND
1407 4H-14XX

REVISION:

INT DATE

DATE: 03/16/2021

FILE:LO_ROCK_ISLAND_1407_4H-14XX

DRAWN BY: KEU

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 NORTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM THROUGH NORTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND NORTH AMERICAN VERTICAL DATUM OF 1988.
4. 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.
5. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
6. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY