

API NUMBER: 073 26784

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

Approval Date: 09/07/2021
Expiration Date: 03/07/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 18 Township: 17N Range: 9W County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 993 1654

Lease Name: ROSIA 1709 Well No: 4H-18X Well will be 993 feet from nearest unit or lease boundary.
Operator Name: OVINTIV USA INC Telephone: 2812105100 OTC/OCC Number: 21713 0

OVINTIV USA INC
4 WATERWAY SQUARE PLACE, STE 100
THE WOODLANDS, TX 77380-3197

VILHAUER FARM TRUST
CLARK W. VILHAUER AND JERRY J. VILHAUER, CO-TRUSTEES
3128 E 690 ROAD
LOYAL OK 73756

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8645
2	WOODFORD	319WDFD	9195

Spacing Orders: 643923 Location Exception Orders: 719877 Increased Density Orders: 719865
719873 719874 719866
719909
719910

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 19220 Ground Elevation: 1193

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37797
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: FLOWERPOT

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 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: FLOWERRPOT

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: 9W	Meridian: IM	Total Length: 10239
County: KINGFISHER				Measured Total Depth: 19220
Spot Location of End Point: SW SW SE SE				True Vertical Depth: 9500
Feet From: SOUTH		1/4 Section Line: 85		End Point Location from
Feet From: EAST		1/4 Section Line: 1060		Lease, Unit, or Property Line: 85

NOTES:

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.

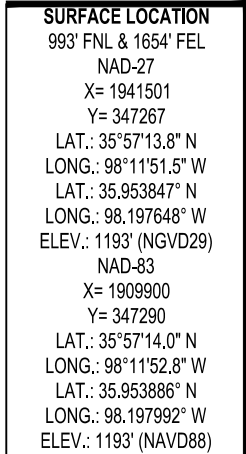
Category	Description
DEEP SURFACE CASING	[9/3/2021 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 719877	[9/7/2021 - G56] - (I.O.) 18 & 19-17N-9W X165:10-3-28(C)(2)(B) MSSP (ROSIA 1709 4H-18X) MAY BE CLOSER THAN 600' FROM ROSIA 1H-18X, CLARK 1-18, EVANS 1-18, HALL 1-19, ESTILL 1-19, VILHAUER FARMS 1-19 NO OP NAMED 8/3/2021
HYDRAULIC FRACTURING	[9/3/2021 - GC2] - OCC 165:10-3-10 REQUIRES: 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; 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: OCCWEB.COM/OG/OGFORMS.HTML ; AND, 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
INCREASED DENSITY - 719865	[9/7/2021 - G56] - 18-17N-9W X643923 MSSP 5 WELLS OVINTIV MID-CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 8/3/2021
INCREASED DENSITY - 719866	[9/7/2021 - G56] - 19-17N-9W X643923 MSSP 5 WELLS OVINTIV MID-CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 8/3/2021
INCREASED DENSITY - 719909	[9/7/2021 - G56] - 18-17N-9W X643923 WDFD 4 WELLS OVINTIV MID-CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 8/4/2021
INCREASED DENSITY - 719910	[9/7/2021 - G56] - 19-17N-9W X643923 WDFD 4 WELLS OVINTIV MID-CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 8/4/2021
LOCATION EXCEPTION - 719874	[9/7/2021 - G56] - (I.O.) 18 & 19-17N-9W X643923 MSSP, WDFD COMPL. INT. (19-17N-9W) NCT 165 FSL, NCT 0 FNL, NCT 660 FEL COMPL. INT. (18-17N-9W) NCT 0 FSL, NCT 165 FNL, NCT 660 FEL OVINTIV MID-CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 8/3/2021
MEMO	[9/3/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 643923	[9/7/2021 - G56] - (640)(HOR) 18 & 19-17N-9W EXT 624294 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 85148 MSSNC, MNNG, MSSSD 18-17N-9W & ORDER # 518551 WDFD SE4 18-17N-9W; ORDER # 85987 MSSNC, MNNG, MSSSD 19-17N-9W)
SPACING - 719873	[9/7/2021 - G56] - (I.O.) 18 & 19-17N-9W EST MULTIUNIT HORIZONTAL WELL X643923 MSSP, WDFD 50% 18-17N-9W 50% 19-17N-9W OVINTIV MID-CON INC. (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC.) . 8/3/2021

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 26784 ROSIA 1709 4H-18X

ROSIA 1709 4H-18X
OVINTIV MID-CONTINENT INC.
SECTION 18, TOWNSHIP 17N, RANGE 9W, I.M.
KINGFISHER COUNTY, OKLAHOMA

 SECTION LINE
 QUARTER SECTION LINE
 16TH LINE
 RANGE LINE
 PROPOSED WELL BORE



993° FNL & 1654° FEL
NAD-27
X= 1947501
Y= 347267
LAT.: 35°57'13.8" N
LONG.: 98°11'51.5" W
LAT.: 35.953847° N
LONG.: 98.197648° W
ELEV.: 1193' (NGVD29)
NAD-83
X= 1909900
Y= 347290
LAT.: 35°57'14.0" N
LONG.: 98°11'52.8" W
LAT.: 35.953886° N
LONG.: 98.197992° W
ELEV.: 1193' (NAVD88)

165' FNL & 1060' FEL
NAD-27
X= 1942091
Y= 348102
LAT.: 35°57'22.1" N
LONG.: 98°11'44.4" W
LAT.: 35.956145° N
LONG.: 98.195659° W
NAD-83
X= 1910491
Y= 348126
LAT.: 35°57'22.3" N
LONG.: 98°11'45.6" W
LAT.: 35.956184° N
LONG.: 98.196002° W

165' FSL & 1060' FEL
NAD-27
X = 1942100
Y = 337863
LAT.: 35°55'40.9" N
LONG.: 98°11'44.0" W
LAT.: 35.928016° N
LONG.: 98.195560° W
NAD-83
X = 1910500
Y = 337886
LAT.: 35°55'41.0" N
LONG.: 98°11'45.3" W
LAT.: 35.928056° N
LONG.: 98.195903° W

85° FSL & 1060° FEL
NAD-27
X = 1942100
Y = 337783
LAT.: 35°55'40.1" N
LONG.: 98°11'44.0" W
LAT.: 35.927796° N
LONG.: 98.195560° W
NAD-83
X = 1910499
Y = 337806
LAT.: 35°55'40.2" N
LONG.: 98°11'45.3" W
LAT.: 35.927836° N
LONG.: 98.195903° W

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, P.L.S. No. 1433

Authorized Agent of Topographic Land Surveyors

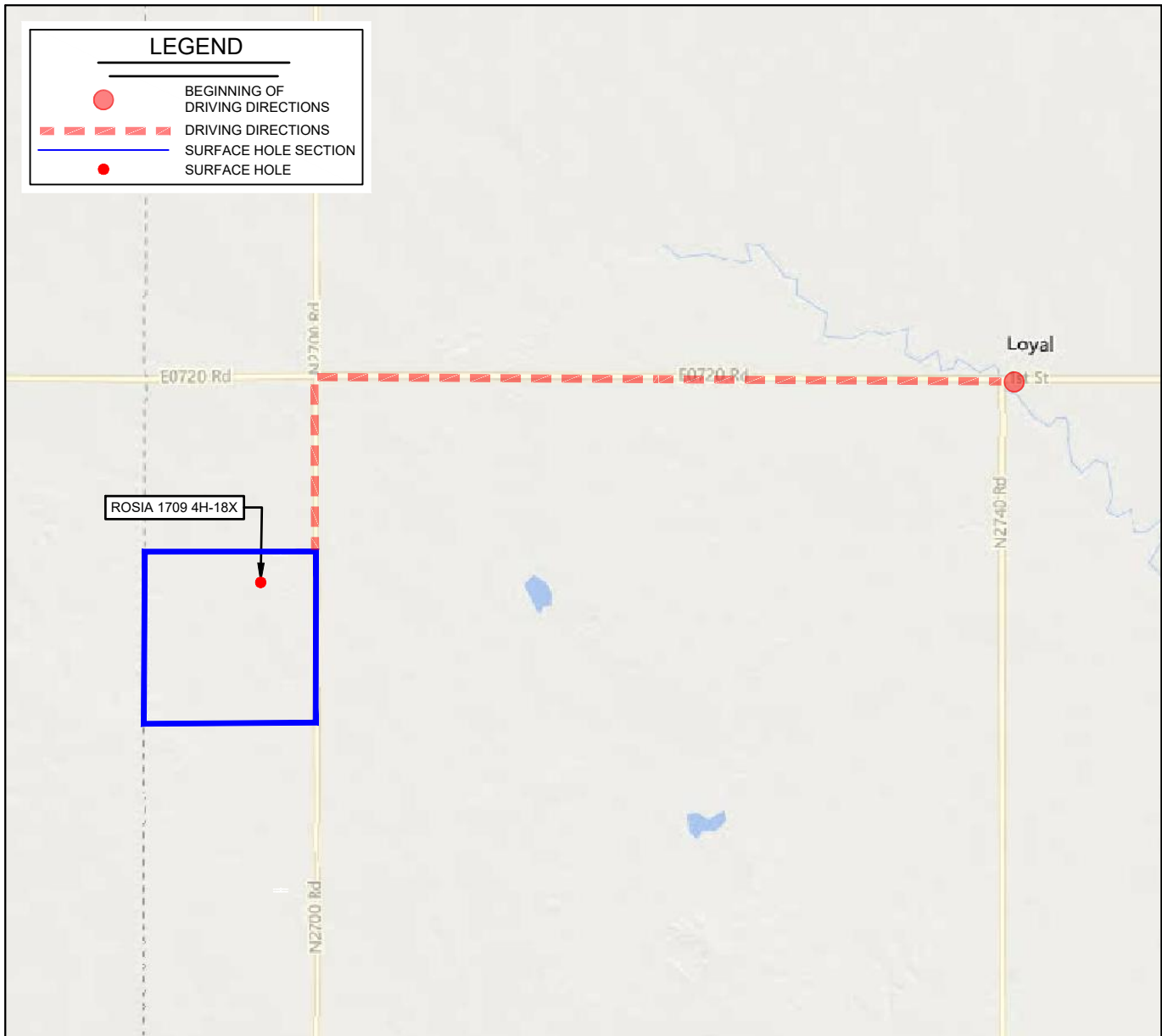
LEASE NAME & WELL NO. ROSIA 1709 4H-18X

SECTION 18 TWP 17N RGE 9W MERIDIAN 1.M.
COUNTY KINGFISHER STATE OKLAHOMA
DESCRIPTION 993' FNL & 1654' FEL

WWW.TOPOGRAPHIC.COM

ROSIA 1709 4H-18X	REVISION:		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 OVINITY 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
	INT	DATE	
DATE: 08/18/2021			
FILE:LO_ROSIA_1709_4H-18X			
DRAWN BY: KEU			
SHEET : 1 OF 1			

VICINITY MAP



LEASE NAME & WELL NO. ROZIA 1709 4H-18X

SECTION 18 TWP 17N RGE 9W MERIDIAN I.M.

COUNTY KINGFISHER STATE OKLAHOMA

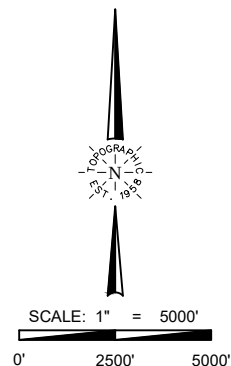
DESCRIPTION 993' FNL & 1654' FEL

DISTANCE & DIRECTION

FROM LOYAL, OK GO ± 4.0 MI. WEST ON E0720 RD, THEN ± 1.0 MI.
SOUTH ON N2700 RD TO THE NORTHEAST CORNER OF SECTION
18-T17N-R9W.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY OVINTIV MID-CONTINENT INC.. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



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