

API NUMBER: 073 26695 A

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

Approval Date: 03/17/2020

Expiration Date: 09/17/2021

Multi Unit Oil & Gas

Amend reason: CHANGE SHL, BHL, LAND OWNER, UPDATE
ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 15 Township: 15N Range: 7W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 325 2335

Lease Name: MARY Well No: 1507 5H-3X Well will be 325 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

DAVID KRETCHMAR AND MARY LORETTA KRETCHMAR
26973 N. 2840 RD
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	7774

Spacing Orders: 617362
695439
709455

Location Exception Orders: 695441
709457
695440
709456

Increased Density Orders: 692479
709445
692478
709444

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 18819 Ground Elevation: 1124

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 270

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: 20-37308
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 HILLS

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 HILLS

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: 3	Township: 15N	Range: 7W	Total Length: 10224	
County: KINGFISHER			Measured Total Depth: 18819	
Spot Location of End Point: NW	NE	NE	NE	True Vertical Depth: 7774
Feet From: NORTH	1/4 Section Line: 85		End Point Location from	
Feet From: EAST	1/4 Section Line: 619		Lease, Unit, or Property Line: 85	

NOTES:	
Category	Description
DEEP SURFACE CASING	3/9/2020 - 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 - 695441 (201810281)	3/17/2020 - GC2 - (I.O.) 3 & 10-15N-7W X165:10-3-28(C)(2)(B) MSSP, OTHER (MARY 1507 5H-3X) MAY BE CLOSER THAN 600' TO MARY 1507 2H-3X, MARY 1507 3H-3X, MAY 1507 4H-3X, MARY 1507 6H-3X, MARY 7H-3X, MARY 1H-3X NO OP. NAMED 5-1-2019
EXCEPTION TO RULE - 709457 (201810281)	3/17/2020 - GC2 - EXT OF TIME ORDER 695441 UNTIL 5-1-2021
HYDRAULIC FRACTURING	3/9/2020 - 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 - 692478 (201810267)	3/17/2020 - GC2 - 3-15N-7W X617362 MSSP 6 WELLS NO OP. NAMED 3-6-2019
INCREASED DENSITY - 692479 (201810268)	3/17/2020 - GC2 - 10-15N-7W X617362 MSSP 6 WELLS NO OP. NAMED 3-6-2019
INCREASED DENSITY - 709444 (201810267)	3/17/2020 - GC2 - EXT OF TIME FOR ORDER 692478 UNTIL 3-6-2021
INCREASED DENSITY - 709445 (201810268)	3/17/2020 - GC2 - EXT OF TIME FOR ORDER 692479 UNTIL 3-6-2021
LOCATION EXCEPTION - 695440 (201810280)	6/9/2020 - GC2 - (I.O.) 3 & 10-15N-7W X617362 MSSP, OTHER COMPL. INT. (10-15N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (3-15N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED 5-1-2019
LOCATION EXCEPTION - 709456 (201810280)	6/9/2020 - GC2 - EXT OF TIME FOR ORDER 695440 UNTIL 5-1-2021
MEMO	6/5/2020 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 617362	3/17/2020 - GC2 - (640)(HOR) 3 & 10-15N-7W VAC 41819 MSLCR VAC 184418 MSSLM, MNNG VAC 37910 MSLCR VAC 182706 MSSSD E2 10-15N-7W EST MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB

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 - 695439 (201810279)	6/9/2020 - GC2 - (I.O.) 3 &10-15N-7W EST MULTIUNIT HORIZONTAL WELL X617362 MSSP, OTHER 50% 3-15N-7W 50% 10-15N-7W NEWFIELD EXPLORATION MID-CONTINENT INC (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC) 5-1-2019
SPACING - 709455 (20181027)	6/9/2020 - GC2 - EXT OF TIME FOR ORDER 695439 UNTIL 5-1-2021

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 26695 MARY 1507 5H-3X

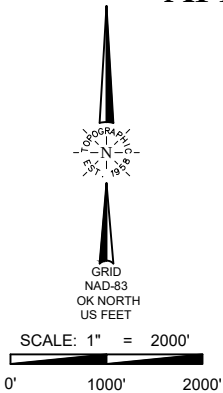
API:073-26695A

WELL LOCATION

MARY 1507 5H-3X
OVINTIV MID-CONTINENT INC.
SECTION 15, TOWNSHIP 15-N, RANGE 7-W I.M.
KINGFISHER COUNTY, OKLAHOMA

LEGEND

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



NAD-27
X 2017517.14
Y 295955.94
NAD-83
X 1985918.66
Y 295979.80

NAD-27
X 2017536.68
Y 293352.72
NAD-83
X 1985938.24
Y 293376.58

NAD-27
X 2022805.55
Y 295964.37
NAD-83
X 1991207.07
Y 295988.27

NAD-27
X 2022810.66
Y 293341.75
NAD-83
X 1991212.22
Y 293365.64

NAD-27
X 2022816.21
Y 290700.48
NAD-83
X 1991217.80
Y 290724.37

NAD-27
X 2022822.42
Y 288053.11
NAD-83
X 1991224.04
Y 288077.00

NAD-27
X 2022828.66
Y 285405.78
NAD-83
X 1991230.32
Y 285429.67

NAD-27
X 2022828.49
Y 282765.71
NAD-83
X 1991230.18
Y 282789.60

NAD-27
X 2022831.43
Y 280125.29
NAD-83
X 1991233.15
Y 280149.18

NAD-27
X 2017555.50
Y 290719.46
NAD-83
X 1985957.09
Y 290743.32

NAD-27
X 2020184.93
Y 290704.55
NAD-83
X 1988586.52
Y 290728.42

NAD-27
X 2020207.39
Y 285420.09
NAD-83
X 1988609.05
Y 285443.97

NAD-27
X 2017571.43
Y 288073.28
NAD-83
X 1985973.05
Y 288097.14

NAD-27
X 2017589.07
Y 285434.16
NAD-83
X 1985990.73
Y 285458.02

NAD-27
X 2017574.08
Y 282792.07
NAD-83
X 1985975.77
Y 282815.93

NAD-27
X 2017559.65
Y 280137.69
NAD-83
X 1985961.38
Y 280161.54

NAD-27
X 2020194.17
Y 280131.13
NAD-83
X 1988595.90
Y 280155.00

LAST TAKE POINT
165' FNL - 619' FEL
NORTH NAD 27 (US FEET)
X=2022187
Y=295798
LAT.: N 35°48'45.3"
LONG.: W 97°55'30.6"
LAT.: N 35.812593
LONG.: W 97.925172
NORTH NAD 83 (US FEET)
X=1990588
Y=295822
LAT.: N 35°48'45.5"
LONG.: W 97°55'31.8"
LAT.: N 35.812637
LONG.: W 97.925503

LANDING POINT
165' FSL - 619' FEL
NORTH NAD 27 (US FEET)
X=2022209
Y=285574
LAT.: N 35°47'04.2"
LONG.: W 97°55'30.4"
LAT.: N 35.784505
LONG.: W 97.925124
NORTH NAD 83 (US FEET)
X=1990611
Y=285598
LAT.: N 35°47'04.4"
LONG.: W 97°55'31.6"
LAT.: N 35.784550
LONG.: W 97.925453

SURFACE LOCATION
325' FNL & 2335' FWL

BOTTOM HOLE
85' FNL - 619' FEL
NORTH NAD 27 (US FEET)
X=2022187
Y=295878
LAT.: N 35°48'46.1"
LONG.: W 97°55'30.6"
LAT.: N 35.812812
LONG.: W 97.925173
NORTH NAD 83 (US FEET)
X=1990588
Y=295902
LAT.: N 35°48'46.3"
LONG.: W 97°55'31.8"
LAT.: N 35.812857
LONG.: W 97.925503

SURFACE LOCATION
325' FNL & 2335' FWL
NORTH NAD 27 (US FEET)
X=2019922
Y=285097
LAT.: N 35°46'59.5"
LONG.: W 97°55'58.2"
LAT.: N 35.783197
LONG.: W 97.932836
NORTH NAD 83 (US FEET)
X=1988324
Y=285121
LAT.: N 35°46'59.7"
LONG.: W 97°55'59.4"
LAT.: N 35.783242
LONG.: W 97.933165

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:

1124' Gr. at Existing Pad (NGVD29)
1124' Gr. at Existing Pad (NAVD88)



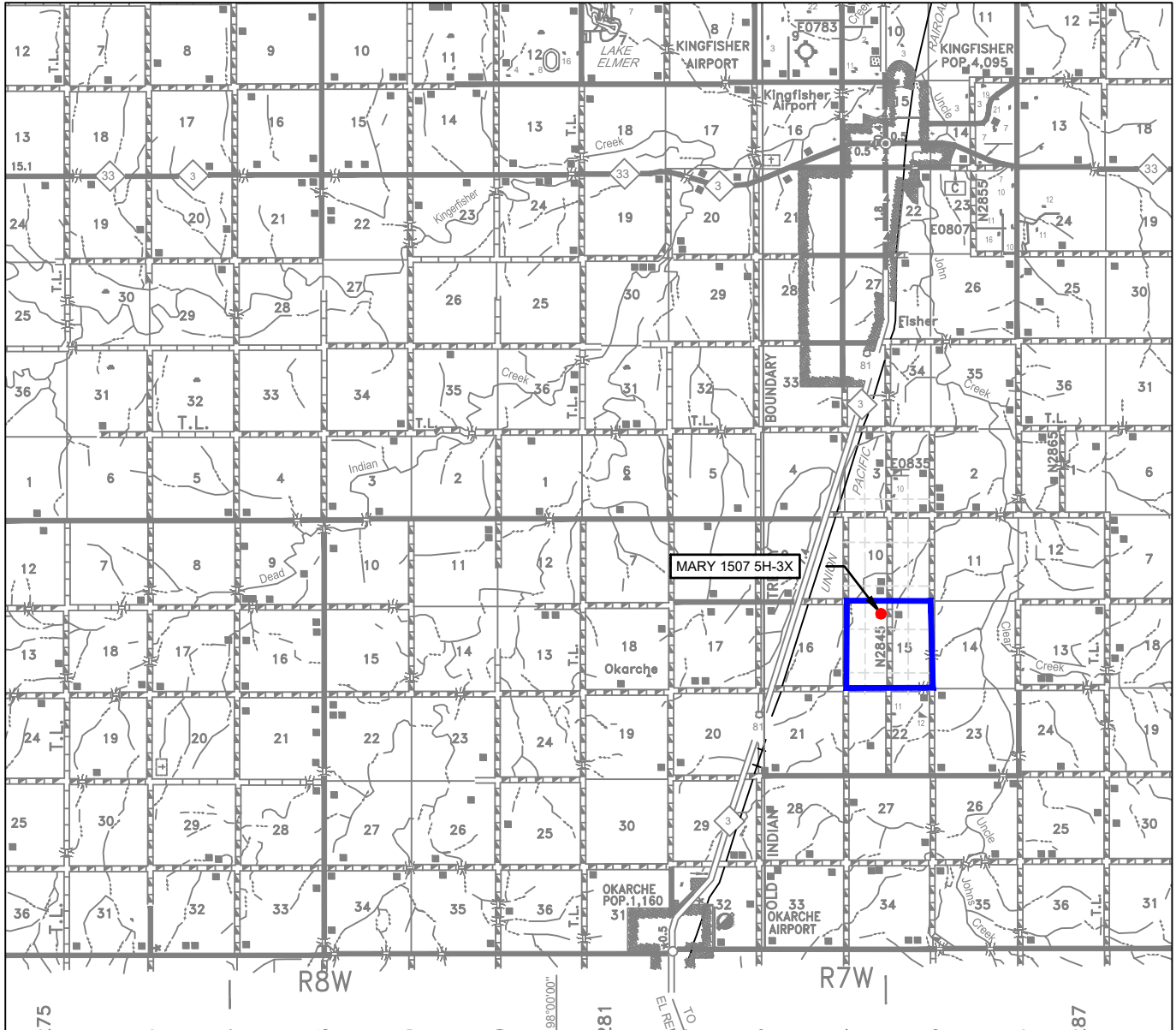
Thomas L. Howell
Thomas L. Howell P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

LEASE NAME & WELL NO.: MARY 1507 5H-3X
SECTION 15 TWP 15-N RGE 7-W MERIDIAN I.M.
COUNTY KINGFISHER STATE OKLAHOMA
DESCRIPTION 325' FNL & 2335' FWL

MARY 1507 5H-3X	REVISION:	
	INT	DATE
DATE: 05/29/20		
FILE: LO_MARY_1507_5H-3X		
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

VICINITY MAP



LEASE NAME & WELL NO.: MARY 1507 5H-3X

SECTION 15 TWP 15-N RGE 7-W MERIDIAN I.M.

COUNTY KINGFISHER STATE OK

DESCRIPTION 325' FNL & 2335' FWL

DISTANCE & DIRECTION

From Okarche, OK go ±3.0 mi. North on Hwy. 81, then ±1.5 mi. East on E0860 Rd, then ±1.0 mi. North on N2845 Rd to the North Quarter Corner of Section 15-T15N-R7W.

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.



SCALE: 1" = 10000'
0' 5000' 10000'



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