

API NUMBER: 087 22288 A

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

Approval Date: 03/04/2020

Expiration Date: 09/04/2021

Multi Unit Oil & Gas

Amend reason: CHANGE SHL. UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 7N Range: 4W County: MCCLAIN

SPOT LOCATION: SE NW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 900 1965

Lease Name: MCCORN Well No: 0704 2HM-18X Well will be 900 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

ROY AND CONNIE BROOKS
26442 COUNTY LINE AVE
BLANCHARD OK 73010

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10288
2	WOODFORD	319WDFD	10490

Spacing Orders:	655159	Location Exception Orders:	695825	Increased Density Orders:	693420
	695824		695837		693421
	709693		709694		693422
			709701		693423
					709697
					709698
					709699
					709700

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 21081 Ground Elevation: 1251

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

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: 20-37303
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: DUNCAN

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**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:** DUNCAN**MULTI UNIT HOLE 1**

Section: 19

Township: 7N

Range: 4W

Total Length: 10248

County: MCCLAIN

Measured Total Depth: 21081

Spot Location of End Point: SW SE SW SE

True Vertical Depth: 10512

Feet From: **SOUTH** 1/4 Section Line: 85

End Point Location from

Feet From: **EAST** 1/4 Section Line: 1685

Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	2/27/2020 - G71 - 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 - 695837 (201900469)	3/2/2020 - GB6 - (I.O.) 18 & 19 7N-4W X165:10-3-28(C)(2)(B) MSSP, WDFD (MCCORN 2H-18X**) MAY BE CLOSER THAN 600' TO EXISTING MCCORN 1H-18X, VALADEZ 1-19 AND/OR EVETT 1-19; AND/OR TO PROPOSED MCCORN 3H-18X, MCCORN 4H-18X, MCCORN 5H-18X, MCCORN 6H-18X, MCCORN 7H-18X, MCCORN 8H-18X, MCCORN 20H-18X, MCCORN 21H-18X, MCCORN 22H-18X, MCCORN 23H-18X, MCCORN 24H-18X. NO OP. NAMED 05/08/2019 **S/B MCCORN 0704 2HM-18X. CONFIRMED WELL NAMES TO BE CORRECTED IN FINAL ORDER PER ATT. FOR OP.
EXCEPTION TO RULE - 709701 (201900469)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695837 UNTIL 05/08/2021.
HYDRAULIC FRACTURING	2/27/2020 - G71 - 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: OCCWEB.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 - 693420 (201900465)	3/2/2020 - GB6 - 18-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693421 (201900466)	3/2/2020 - GB6 - 19-7N-4W X665159 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 693422 (201900467)	3/3/2020 - GB6 - (I.O.) 18-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019

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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

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INCREASED DENSITY - 693423 (201900468)	3/3/2020 - GB6 - (I.O.) 19-7N-4W X665159 MSSP 4 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/25/2019
INCREASED DENSITY - 709697 (201900465)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693420 UNTIL 05/25/2021.
INCREASED DENSITY - 709698 (201900466)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693421 UNTIL 05/25/2021.
INCREASED DENSITY - 709699 (201900467)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693422 UNTIL 05/25/2021.
INCREASED DENSITY - 709700 (201900468)	6/22/2020 - GB6 - EXTENSION OF ORDER # 693423 UNTIL 05/25/2021.
LOCATION EXCEPTION - 709694 (201900452)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695825 UNTIL 05/08/2021.
LOCATION EXCEPTION – 695825 (201900452)	3/2/2020 - GB6 - (I.O.) 18 & 19 -7N-4W X655159 MSSP, WDFD COMPL. INT. (18-7N-4W) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL COMPL. INT. (19-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019
MEMO	PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 1 - WBM/CUTTINGS WILL BE SOIL FARMED & PIT 2 - OBM CUTTINGS TO BE HAUL TO R360/J SCOTT (587498) IN CANADIAN COUNTY - OBM TO VENDOR
SPACING - 655159	3/2/2020 - GB6 - (640)(HOR) 18 & 19 7N-4W EST MSSP, WDFD COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER #203926 MISS)
SPACING - 695824 (201900451)	3/2/2020 - GB6 - (I.O.) 18 & 19 7N-4W EST MULTIUNIT HORIZONTAL WELL X655159 MSSP, WDFD (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 18-7N-4W 50% 19-7N-4W NEWFIELD EXPLORATION MID-CONTINENT INC. (BOUGHT IN ITS ENTIRETY BY OVINTIV MID-CONTINENT INC.) 05/08/2019
SPACING - 709693 (201900451)	6/22/2020 - GB6 - EXTENSION OF ORDER # 695824 UNTIL 05/08/2021.

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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

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087 22288 MCCORN 0704 2HM-18X

TOPOGRAPHIC LAND SURVEYORS

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

MCCLAIN

COUNTY, OKLAHOMA

900' FSL - 1965' FWL

SECTION 7

TOWNSHIP 7N

RANGE 4W

I.M.

-N-

GRID
OK SOUTH
US FEET

SCALE: 1" = 2000'
0' 1000' 2000'

NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
- ALL BEARINGS SHOWN ARE GRID, NAD-83, OKLAHOMA SOUTH.
- LANDING POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY CLIENT LISTED, NOT SURVEYED.

SURFACE LOCATION

DATUM: NAD-27

LAT: 35°05'24.6" N

LONG: 97°39'49.0" W

LAT: 35.090165° N

LONG: 97.663618° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK SOUTH

X: X 2100636

Y: Y 639511

DATUM: NAD-83

LAT: 35°05'24.8" N

LONG: 97°39'50.2" W

LAT: 35.090232° N

LONG: 97.663933° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK SOUTH

X: X 2069039

Y: Y 639554

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

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.

Oklahoma Reg. No.

1433



BOTTOM HOLE

85' FSL - 1685' FEL

NAD-27

35°03'32.0" N

97°39'30.3" W

35.058880° N

97.658418° W

X 2102230

Y 628130

NAD-83

35°03'32.2" N

97°39'31.4" W

35.058948° N

97.658733° W

X 2070633

Y 628172



OPERATOR: OVINTIV MID-CONTINENT INC.

LEASE NAME: MCCORN 0704

WELL NO: 2HM-18X

TOPOGRAPHY & VEGETATION Location fell in sloped grass pasture

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET: None

GOOD DRILL SITE? Yes

BEST ACCESSIBILITY TO LOCATION: From West off of county road.

DISTANCE & DIRECTION: From Blanchard, OK take SH-76 South ±3.0 miles, then West ±1.0 mile on 250th St., then north ±0.9 mile to lease road in Southwest Corner of Section 7-T7N-R4W.

ELEVATION:

1256' Gr. at Stake (NGVD29)

1257' Gr. at Stake (NAVD88)

PROJECT # 132991

DATE OF DRAWING: JUNE 11, 2020

DATE STAKED: MAY 20, 2020

DRAWN BY: EAH

REVISION: 2

FILE NAME: LO_MCCORN_0704_2HM-18X_REV2