API NUMBER: 045 23866

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

| Approval Date:   | 06/16/2022 |  |
|------------------|------------|--|
| Expiration Date: | 12/16/2023 |  |

Horizontal Hole Oil & Gas

## **PERMIT TO DRILL**

| WELL LOCATION:   | Section: 07  | Township:   | 19N Rang  | e: 25W      | County: E    | ELLIS               |  |  | ]   |  |   |               |             |          |       |
|--|--|---|---|-------------|--------------|---------------------|--|--|---|--|---|---------------|-------------|----------|-------|
| SPOT LOCATION:   | NW NW NE   | NE  | FEET FROM QUARTI  |             |              | FROM                | FACT   |  | J   |  |   |               |             |          |       |
| or or Ecoamore.  | IVV IVV  |   | J   |             | NORTH        | PROW                | EAST   |  |   |  |   |               |             |          |       |
|  |  |   | SECTION LINI  | :5:         | 250          |                     | 1200   |  |   |  |   |               |             |          |       |
| Lease Name:  | BRENT 6/31 PA  |   |   | Well No     | : 2H         |                     |  | Well v   | vill be   | 250  | feet from                               | nearest un    | it or lease | boundary | -     |
| Operator Name:   | MEWBOURNE OIL COM  | MPANY   |   | Telephone   | 90356129     | 900                 |  |  |   |  | ОТО                                     | C/OCC Nur     | nber:       | 6722 (   | )     |
| MEWBOURNI  | E OIL COMPANY  |   |   |             |              | JC                  | N S. KING  |  |   |  |   |               |             |          |       |
| 3620 OLD BU  | LLARD RD   |   |   |             |              | 60                  | 675 S. COU   | NTY ROA  | AD 174  | ļ  |   |               |             |          |       |
| TYLER,   |  | TX  | 75701-8644  |             |              |                     | HATTUCK  |  |   |  | ОК                                      | 73858         |             |          |       |
|  |  |   |   |             |              |                     |  |  |   |  | • | , 0000        |             |          |       |
|  |  |   |   |             |              |                     |  |  |   |  |   |               |             |          |       |
|  |  |   |   |             |              |                     |  |  |   |  |   |               |             |          |       |
| Formation(s)   | (Permit Valid for L  | isted For   | mations Only):  |             |              |                     |  |  |   |  |   |               |             |          |       |
| Name   |  | Code  |   | Depth       |              |                     |  |  |   |  |   |               |             |          |       |
| 1 CHEROKEE   |  | 404CI   | HRK   | 9390        |              |                     |  |  |   |  |   |               |             |          |       |
| Spacing Orders:  | 716929   |   | Lo  | cation Exce | ption Orders | s: No               | Exception  | าร   |   | Inc  | reased De                               | nsity Orders: | No l        | Density  | ,     |
| Pending CD Numbe   | ers: 202202088   |   |   | Working in  | nterest owne | rs' notifie         | ed: ***  |  |   |  | Sp                                      | ecial Orders: | No S        | Special  |       |
|  | 202202089  |   |   |             |              |                     |  |  |   |  |   |               |             |          |       |
| Total Depth: 19  |  |   |   |             |              |                     |  |  |   |  |   |               |             |          |       |
|  | 9821 Ground F  | levation: 2   | 499   | Surface     | Casing:      | 1999                |  |  | Depth to  | base o   | f Treatable                             | Water-Bear    | ina FM:     | 610      |       |
| Total Deptil. Te   | 9821 Ground E  | Elevation: 2  | 499   | Surface     | Casing:      | 1999                |  |  | Depth to  |  |   | Water-Bear    |             |          | round |
| Total Deptil. Ts   | 9821 Ground E  | Elevation: 2  | 499   | Surface     | Casing:      | 1999                |  |  | Depth to  |  |   | Water-Bear    |             |          | roved |
|  | 9821 Ground E<br>Federal Jurisdiction: No  | Elevation: 2  | 499   | Surface     | Casing:      |                     | proved Method f  |  |   | D  | eep surf                                |               |             |          | roved |
| Under f<br>Fresh Water   | Federal Jurisdiction: No<br>Supply Well Drilled: No  | Elevation: 2  | 499   | Surface     | Casing:      | App                 | proved Method f  | or disposal  | of Drillin  | D<br>ng Fluid  | eep surf                                | ace casin     | g has b     |          | roved |
| Under f<br>Fresh Water   | Federal Jurisdiction: No   | Elevation: 2  |   | Surface     | Casing:      | App<br>D. C         |  | or disposal  | of Drillin  | D<br>ng Fluid  | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under f<br>Fresh Water<br>Surface  | Federal Jurisdiction: No<br>Supply Well Drilled: No<br>Water used to Drill: No   | Elevation: 2  |   | Surface     | Casing:      | App<br>D. C         | One time land app  | or disposal<br>plication (R  | of Drillin  | Dong Fluid   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under Fresh Water Surface  | Federal Jurisdiction: No<br>Supply Well Drilled: No<br>Water used to Drill: No   |   |   |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  | or disposal  | of Drillin  | Dong Fluid   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under for Fresh Water Surface  PIT 1 INFORM Type of P  | Federal Jurisdiction: No<br>Supply Well Drilled: No<br>Water used to Drill: No   | losed Syste   |   |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required   | or disposal  | of Drillin  | Dong Fluid<br>ES PER<br>BEE ME   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under for Fresh Water Surface  PIT 1 INFORM Type of P  | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No  WATION Pit System: CLOSED C  Id System: WATER BAS  | losed Syste   |   |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required   | or disposal plication (R pry of Pit: (for Category   | of Drillin REQUIRE S C y: C BED AQU                 | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under I<br>Fresh Water<br>Surface  PIT 1 INFORM  Type of P  Type of Mu  Chlorides Max: 800   | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No  WATION Pit System: CLOSED C  Id System: WATER BAS  | losed Syste   | m Means Steel Pits  |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required  Pit Loo  | or disposal plication (R pry of Pit: (for Category   | of Drillin REQUIRE S C y: C BED AQU                 | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under I Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t  | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No  WATION  Pit System: CLOSED C  Id System: WATER BAS 00 Average: 5000  | losed Syste<br>SED<br>or than 10ft b  | m Means Steel Pits  |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required  Pit Loo  | or disposal plication (R pry of Pit: (for Category   | of Drillin REQUIRE S C y: C BED AQU                 | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under I Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t  | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No  WATION Pit System: CLOSED C  Id System: WATER BAS 00 Average: 5000 top of ground water greate  | losed Syste<br>SED<br>or than 10ft b<br>I? N  | m Means Steel Pits  |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required  Pit Loo  | or disposal plication (R pry of Pit: (for Category   | of Drillin REQUIRE S C y: C BED AQU                 | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under R Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m   | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No  WATION Pit System: CLOSED C  Id System: WATER BAS 00 Average: 5000 top of ground water greate nile of municipal water well   | losed Syste<br>SED<br>or than 10ft b<br>Il? N<br>a? N   | m Means Steel Pits<br>below base of pit?                        |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required  Pit Loo  | or disposal plication (R pry of Pit: (for Category   | of Drillin REQUIRE S C y: C BED AQU                 | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under It Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No WATION  Pit System: CLOSED C Lid System: WATER BAS 00 Average: 5000 top of ground water greate nile of municipal water well Wellhead Protection Area cated in a Hydrologically S  | losed Syste<br>SED<br>or than 10ft b<br>Il? N<br>a? N   | m Means Steel Pits<br>below base of pit?                        |             | Casing:      | <b>Арр</b><br>D. С  | One time land app<br>Other)  Categorier not required Pit Loc   | or disposal plication (R  pry of Pit: (for Category cation is: E  prmation: (                                | of Drilling   | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under R Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  Pit is loo  PIT 2 INFORM   | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No WATION  Pit System: CLOSED C Lid System: WATER BAS 00 Average: 5000 top of ground water greate nile of municipal water well Wellhead Protection Area cated in a Hydrologically S  | losed Syste<br>SED<br>or than 10ft b<br>IP N<br>a? N<br>Sensitive Ard                           | m Means Steel Pits<br>below base of pit?<br>ea.                 | Y           | Casing:      | App<br>D. C<br>H. ( | One time land app<br>Other)  Categorier not required Pit Loc   | or disposal plication (R  pry of Pit: (for Category cation is: E  prmation: (                                | of Drilling REQUIRE S C y: C BED AQU DGALLA         | DO THE PROPERTY OF THE PROPERT | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under R Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  Pit is loo  PIT 2 INFORM Type of P   | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No WATION Pit System: CLOSED C Id System: WATER BAS 00 Average: 5000 top of ground water greate inite of municipal water wel Wellhead Protection Area cated in a Hydrologically S  | losed Syste<br>SED<br>or than 10ft b<br>IP N<br>a? N<br>Sensitive Ard                           | m Means Steel Pits<br>below base of pit?<br>ea.                 | Y           | Casing:      | App<br>D. C<br>H. ( | One time land apportunity Other)  Categorier not required Pit Location For Categorier not required ter not required ter not required | or disposal plication (R pry of Pit: (   | of Drilling REQUIRE S C y: C BED AQU DGALLA         | D D SES PER ME   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under In Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to to Within 1 m  Pit is loo  PIT 2 INFORM Type of Mu  | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No WATION Pit System: CLOSED C Id System: WATER BAS 00 Average: 5000 top of ground water greate nile of municipal water wel Wellhead Protection Are cated in a Hydrologically S WATION Pit System: CLOSED C  | losed Syste<br>SED<br>or than 10ft b<br>IP N<br>a? N<br>Sensitive Ard                           | m Means Steel Pits<br>below base of pit?<br>ea.                 | Y           | Casing:      | App<br>D. C<br>H. ( | One time land apportunity Other)  Categorier not required Pit Location For Categorier not required ter not required ter not required | or disposal  plication (R  ory of Pit: ( for Category  cation is: E  ormation: (  for Category  cation is: E | of Drillin REQUIRE S C y: C BED AQU C y: C BED AQU  | D D S PER SEE ME   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under If Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  Pit is loo  PIT 2 INFORM Type of Mu Chlorides Max: 300 Chlorides Max: 300     | Federal Jurisdiction: No Supply Well Drilled: No WATION  Pit System: CLOSED C and System: WATER BAS OO Average: 5000 top of ground water greate nile of municipal water wel Wellhead Protection Area cated in a Hydrologically S  WATION  Pit System: CLOSED C and System: OIL BASED   | losed Syste<br>ED<br>er than 10ft to<br>I? N<br>a? N<br>Sensitive Ard                           | m Means Steel Pits  pelow base of pit?  ea.  m Means Steel Pits | Y           | Casing:      | App<br>D. C<br>H. ( | Categorer not required  Categorer not required  Pit Location For   | or disposal  plication (R  ory of Pit: ( for Category  cation is: E  ormation: (  for Category  cation is: E | of Drillin REQUIRE S C y: C BED AQU C y: C BED AQU  | D D S PER SEE ME   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under I Fresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  Pit is loo  PIT 2 INFORM Type of Mu Chlorides Max: 300 Is depth to t           | Federal Jurisdiction: No Supply Well Drilled: No WAATION Pit System: CLOSED C and System: WATER BAS OO Average: 5000 top of ground water greate will be of municipal water well Wellhead Protection Area cated in a Hydrologically S WATION Pit System: CLOSED C and System: OIL BASED OOOO Average: 200000  | losed Syste<br>SED<br>or than 10ft b<br>I? N<br>Sensitive Ard<br>losed Syste                    | m Means Steel Pits  pelow base of pit?  ea.  m Means Steel Pits | Y           | Casing:      | App<br>D. C<br>H. ( | Categorer not required  Categorer not required  Pit Location For   | or disposal  plication (R  ory of Pit: ( for Category  cation is: E  ormation: (  for Category  cation is: E | of Drillin REQUIRE S C y: C BED AQU C y: C BED AQU  | D D S PER SEE ME   | eep surf                                | ace casin     | g has b     | een app  | roved |
| Under IFresh Water Surface  PIT 1 INFORM Type of Mu Chlorides Max: 800 Is depth to t Within 1 m  Pit is loo  PIT 2 INFORM Type of Mu Chlorides Max: 300 Is depth to t Within 1 m | Federal Jurisdiction: No Supply Well Drilled: No Water used to Drill: No WATION  Pit System: CLOSED C and System: WATER BAS 00 Average: 5000 top of ground water greate well wellhead Protection Area cated in a Hydrologically SWATION  Pit System: CLOSED C and System: OIL BASED 0000 Average: 200000 top of ground water greated to water greated to be supplied to the supplied t | losed Syste<br>SED<br>or than 10ft b<br>11? N<br>Sensitive Ard<br>losed Syste<br>or than 10ft b | m Means Steel Pits  pelow base of pit?  ea.  m Means Steel Pits | Y           | Casing:      | App<br>D. C<br>H. ( | Categorer not required  Categorer not required  Pit Location For   | or disposal  plication (R  ory of Pit: ( for Category  cation is: E  ormation: (  for Category  cation is: E | of Drilling REQUIRE S C y: C BED AQU C y: C BED AQU | D D S PER SEE ME   | eep surf                                | ace casin     | g has b     | een app  | roved |

HORIZONTAL HOLE 1

Section: 31 Township: 20N Range: 25W Meridian: IM Total Length: 9802

County: ELLIS Measured Total Depth: 19821

True Vertical Depth: 9390

Spot Location of End Point: C N2 N2 NE

Feet From: NORTH

1/4 Section Line: 330

End Point Location from Lease,Unit, or Property Line: 330

NOTES:

| NOTES:                 |  |
|------------------------|--|
| Category               | Description  |
| DEEP SURFACE CASING    | [6/13/2022 - 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   | [6/13/2022 - 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: OCCEWEB.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   |
| MEMO                   | [6/13/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT   |
| PENDING CD - 202202088 | [6/16/2022 - G56] - (E.O.) 6-19N-25W & 31-20N-25W<br>X716929 CHRK<br>COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 660' FEL<br>NO OP NAMED<br>REC 6/7/2022 (NORRIS)  |
| PENDING CD - 202202089 | [6/16/2022 - G56] - (E.O.) 6-19N-25W & 31-20N-25W<br>X716929 CHRK<br>1 WELL<br>NO OP NAMED<br>REC 6/7/2022 (NORRIS)  |
| SPACING - 716929       | [6/16/2022 - G56] - (1280)(HOR) 6-19N-25W & 31-20N-25W<br>EST CHRK<br>POE TO BHL NCT 660' FB   |

