API NUMBER: 043 23739

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

| Approval Date: | 01/24/2022 |
|------------------|------------|
| Expiration Date: | 07/24/2023 |

Multi Unit Oil & Gas

PERMIT TO DRILL

| WELL LOCATION: Section: 16 Township: 17N Range: 19W County: | DEWEY |
|--|--|
| SPOT LOCATION: S2 S2 S2 SE FEET FROM QUARTER: FROM SOUTH | FROM EAST |
| SECTION LINES: 230 | 1320 |
| Lease Name: CLEM 16/9 PA Well No: 2HS | Well will be 230 feet from nearest unit or lease boundary. |
| Operator Name: MEWBOURNE OIL COMPANY Telephone: 903561 | 2900 OTC/OCC Number: 6722 0 |
| MEWBOURNE OIL COMPANY | OKLAHOMA COMMISSIONERS OF LAND OFFICE |
| 3620 OLD BULLARD RD | 120 N ROBINSON, SUITE 1000W |
| TYLER, TX 75701-8644 | OKLAHOMA CITY OK 73102 |
| TALLER, TA TOTAL GOTT | OKLAHOWA GITT OK 75102 |
| | |
| | _ |
| Formation(s) (Permit Valid for Listed Formations Only): | |
| Name Code Depth | |
| 1 SKINNER 404SKNR 9720 | |
| Spacing Orders: 503037 Location Exception Order | ers: 718791 Increased Density Orders: No Density |
| 255158 718790 | |
| | |
| Pending CD Numbers: No Pending Working interest own | ners' notified: *** Special Orders: No Special |
| Total Depth: 19687 Ground Elevation: 2048 Surface Casing | : 1999 Depth to base of Treatable Water-Bearing FM: 430 |
| | Deep surface casing has been approved |
| Under Faderal Installation - No | |
| Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No | Approved Method for disposal of Drilling Fluids: |
| Surface Water used to Drill: No | D. One time land application (REQUIRES PERMIT) PERMIT NO: 22-38071 |
| | H. (Other) SEE MEMO |
| PIT 1 INFORMATION | Category of Pit: C |
| Type of Pit System: CLOSED Closed System Means Steel Pits | Liner not required for Category: C |
| Type of Mud System: WATER BASED | Pit Location is: AP/TE DEPOSIT |
| Chlorides Max: 8000 Average: 5000 | Pit Location Formation: TERRACE |
| 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 <u>is</u> located in a Hydrologically Sensitive Area. | |
| PIT 2 INFORMATION | Category of Pit: C |
| Type of Pit System: CLOSED Closed System Means Steel Pits | Liner not required for Category: C |
| Type of Mud System: OIL BASED | Pit Location is: AP/TE DEPOSIT |
| Chlorides Max: 300000 Average: 200000 | Pit Location Formation: TERRACE |
| 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 <u>is</u> located in a Hydrologically Sensitive Area. | |

MULTI UNIT HOLE 1

Section: 9 Township: 17N Range: 19W Meridian: IM Total Length: 9378

County: DEWEY Measured Total Depth: 19687

Spot Location of End Point: C N2 N2 NE True Vertical Depth: 9720

Feet From: NORTH 1/4 Section Line: 330 End Point Location from
Feet From: EAST 1/4 Section Line: 1320 Lease,Unit, or Property Line: 330

NOTES:

| NOTES: | |
|-----------------------------|--|
| Category | Description |
| DEEP SURFACE CASING | [1/19/2022 - 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 | [1/19/2022 - 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 |
| LOCATION EXCEPTION - 718791 | [1/23/2022 - G56] - (I.O.) 9 & 16-17N-19W X503037 SKNR 9-17N-19W X255158 SKNR 16-17N-19W COMPL INT (16-17N-19W) NCT 330' FSL, NCT 0' FNL, NCT 1150' FEL COMPL INT (9-17N-19W) NCT 0' FSL, NCT 330' FNL, NCT 1150' FEL NO OP NAMED 6/9/2021 |
| MEMO | [1/19/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| SPACING - 255158 | [1/23/2022 - G56] - (640) 16-17N-19W EST SKNR, OTHERS |
| SPACING - 503037 | [1/23/2022 - G56] - (640) 9-17N-19W EXT OTHERS EXT 492447 SKNR, OTHERS |
| SPACING - 718790 | [1/23/2022 - G56] - (I.O.) 9 & 16-17N-19W EST MULTIUNIT HORIZONTAL WELL X503037 SKNR 9-17N-19W X255158 SKNR 16-17N-19W 50% 9-17N-19W 50% 16-17N-19W NO OP NAMED 6/9/2021 |

WELL LOCATION **LEGEND** CLEM 16/9 PA #2HS MEWBOURNE OIL COMPANY SECTION LINE SECTION 16, TOWNSHIP 17N, RANGE 19W, I.M. QUARTER SECTION LINE 16TH LINE DEWEY COUNTY, OKLAHOMA 1000' 2000' X= 1633448 Bottom Hole Location 330' FNL & 1320' FEL <= 1636050 X= 1638652 Y= 355938 Y= 355888 Y= 355839 X= 1637239 Y= 355534 8 9 Lat.: 35 58' 13.560" N 9 10 Long : 99 13' 32.247" W Last Take Point NCT 330' FNL Lat.: 35.9704333 N Long.: 99.225624 W NW X= 1633410 Y= 353298 X= 1638628 Y= 353208 SURFACE LOCATION 230' FSL & 1320' FEL NAD-27 X= 1637241 9 | 10 Y= 345572 17 16 16 15 LAT: 35°56'35.0" N LONG: 99°13'31.8" W X= 1635988 X= 1633372 X= 1638604 LAT : 35.943064° N Y= 350618 Y= 350658 Y= 350578 LONG.: 99.225495° W ELEV: 2048' X= 1633334 X= 1638576 Y= 348018 Y= 347954 SW 816' FSL & 1320' FEL First Take Point NCT 330' FSL 1320' 17 16 230' -15 20/ 21 21 22 SSIONAL X= 163329 X= 1638560 Y= 345379 Y= 345354 Y= 345330 THOMAS L **HOWELL** 1433 12-03-20 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. OFLAHOMP Thomas L. Howell, P.L.S. No. 1433 Authorized Agent of Topographic Land Surveyors CLEM 16/9 PA #2HS LEASE NAME & WELL NO. TOPOGRAPHIC LOYALTY INNOVATION LEGACY SECTION 16 TWP 17N _ RGE_ 19W _ MERIDIAN_ 13800 WRELESS WAY - OKLAHOMA GITY, OKLAHOMA 73134 TELEPHONE: (405) 843-8847 OR (800) 654-3219 CERTIFICATE OF AUTHORIZATION NO. 1292 LS WWW.TOPOGRAPHIC.COM DEWEY STATE OKLAHOMA COUNTY_ 230' FSL & 1320' FEL DESCRIPTION REVISION: OTES! 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 27. HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. CERTIFICATION IS MADE ON THE GROUND, UNDER MY SUPERFUSION, AND USING DOCUMENTATION PROVIDED BY DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERFUSION, AND USING DOCUMENTATION PROVIDED BY WITHINADJOINNG THIS EASEMENTAL OCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH 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 THE STRANSACTION ONLY. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY CLEM 16/9 PA #2HS INT DATE DATE: 12/2/2020 FILE:LO_CLEM_16-9_PA_#2HS DRAWN BY: KEU SHEET 1 OF 2