

API NUMBER: 017 25838

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

Approval Date: 08/12/2022  
Expiration Date: 02/12/2024

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 22 Township: 12N Range: 8W County: CANADIAN

SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 285 1841

Lease Name: MIDNIGHT SUN 27\_34-12N-8W Well No: 1MHX Well will be 285 feet from nearest unit or lease boundary.  
Operator Name: PALOMA OPERATING CO INC Telephone: 7136548534 OTC/OCC Number: 23932 0

PALOMA OPERATING CO INC  
1100 LOUISIANA ST STE 5100  
HOUSTON, TX 77002-5220

THE PATRICIA S. HARTWIG IRREVOCABLE TRUST  
3305 WINDSOR BOULEVARD  
OKLAHOMA CITY OK 73122

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

| Name            | Code    | Depth |
|-----------------|---------|-------|
| 1 MISSISSIPPIAN | 359MSSP | 10000 |

Spacing Orders: No Spacing Location Exception Orders: No Exceptions Increased Density Orders: No Density

Pending CD Numbers: 202202570 Working interest owners' notified: \*\*\* Special Orders: No Special  
202202573

Total Depth: 24000 Ground Elevation: 1430 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 350

Deep surface casing has been approved  
Approved Method for disposal of Drilling Fluids:  
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38491  
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: DOG CREEK

**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: DOG CREEK

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.

| HORIZONTAL HOLE 1           |                  |           |                        |                             |                                  |
|-----------------------------|------------------|-----------|------------------------|-----------------------------|----------------------------------|
| Section: 34                 | Township: 12N    | Range: 8W | Meridian: IM           | Total Length: 10215         |                                  |
|                             | County: CANADIAN |           |                        | Measured Total Depth: 24000 |                                  |
| Spot Location of End Point: | SE               | SE        | SW                     | SW                          | True Vertical Depth: 11500       |
| Feet From: <b>SOUTH</b>     |                  |           | 1/4 Section Line: 65   |                             | End Point Location from          |
| Feet From: <b>WEST</b>      |                  |           | 1/4 Section Line: 1093 |                             | Lease,Unit, or Property Line: 65 |

| NOTES:                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DEEP SURFACE CASING    | [8/3/2022 - 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   | [8/3/2022 - GC2] - OCC 165:10-3-10 REQUIRES:<br><br>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;<br><br>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; AND,<br><br>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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a> |
| MEMO                   | [8/3/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PENDING CD - 202202570 | [8/12/2022 - G56] - (1280)(HOR) 27 & 34-12N-8W<br>EST MSSP<br>COMPL INT NCT 660' FB<br>(COEXIST WITH SP # 122864, # 135706)<br>REC 7/25/2022 (HUBER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PENDING CD - 202202573 | [8/12/2022 - G56] - (I.O.) 27 & 34-12N-8W<br>X202202570 MSSP<br>COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FWL<br>NO OP NAMED<br>REC 7/25/2022 (HUBER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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