

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

API NUMBER: 051 24950 A

Approval Date: 07/01/2022
Expiration Date: 01/01/2024

Multi Unit Oil & Gas

Amend reason: CHANGE BOTTOM HOLE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 09 Township: 6N Range: 8W County: GRADY

SPOT LOCATION: NW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 350 1088

Lease Name: ALLEN UNRUH Well No: 1-9HX Well will be 350 feet from nearest unit or lease boundary.
Operator Name: ALVARADO 2014 LLC Telephone: 8327427760 OTC/OCC Number: 23798 0

ALVARADO 2014 LLC
HOUSTON, TX 77027-3188

ALLEN D. UNRUH AND PATRICIA JOY UNRUH
350 COUNTY ROAD 1390
CEMENT OK 73017

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

| Name | Code | Depth |
|------------|---------|-------|
| 1 HOXBAR | 405HXBR | 7700 |
| 2 MARCHAND | 405MRCD | 10855 |

Spacing Orders: 725467 Location Exception Orders: 725852 Increased Density Orders: 725135
626241
726186

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18622 Ground Elevation: 1245 Surface Casing: 1975 Depth to base of Treatable Water-Bearing FM: 770

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38404

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: marlow

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: OIL BASED
Chlorides Max: 350000 Average: 250000
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: marlow

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: 4 Township: 6N Range: 8W Meridian: IM Total Length: 7361
 County: GRADY Measured Total Depth: 18622
 Spot Location of End Point: NW NE NW SE True Vertical Depth: 11000
 Feet From: **SOUTH** 1/4 Section Line: 2472 End Point Location from
 Feet From: **EAST** 1/4 Section Line: 1964 Lease,Unit, or Property Line: 1964

NOTES:

| Category | Description |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEEP SURFACE CASING | [9/14/2022 - G56] - 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 | [9/14/2022 - G56] - 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: OCCWEB.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 |
| INCREASED DENSITY - 725135 | [9/14/2022 - G56] - 9-6N-8W X626241 HXBR 1 WELL ALVARADO 2014 LLC 4/27/2022 |
| MEMO | [9/14/2022 - G56] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| SPACING - 626241 | [9/14/2022 - G56] - (640)(HOR) 9-6N-8W EXT 623131 HXBR COMPL INT NCT 660' FB (SUPERSEDE SP # 167839 CLPM, HDTN, MDRN, WADE, # 83849 MRCHX, COEXIST WITH SP # 167839 YULE) |
| SPACING - 725467 | [9/14/2022 - G56] - (480)(HOR)(IRR UNIT) NW4, S2 4-6N-8W VAC 83849 MRCHX EST MRCD POE TO BHL NLT 660' FB |
| SPACING - 725852 | [9/14/2022 - G56] - (I.O.) NW4, S2 4 & 9-6N-8W X626241 HXBR 9-6N-8W X725467 MRCD NW4, S2 4-6N-8W X165:10-3-28(C)(2)(B) MRCD MAY BE CLOSER THAN 600' TO NORGE MARCHAND UNIT 4-33-1H WELL COMPL INT (4-6N-8W) NCT 0' FSL, NCT 165' FNL, NCT 660' FEL COMPL INT (9-6N-8W) NCT 165' FSL, NCT 0' FNL, NCT 660' FEL ALVARADO 2014 LLC 5/31/2022 |
| SPACING - 726186 | [9/14/2022 - G56] - (I.O.) NW4, S2 4 & 9-6N-8W EST MULTIUNIT HORIZONTAL WELL X626241 HXBR 9-6N-8W X725467 MRCD NW4, S2 4-6N-8W 33% 4-6N-8W 67% 9-6N-8W ALVARADO 2014 LLC 6/15/2022 |

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