

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

API NUMBER: 011 23665 A

Approval Date: 09/01/2020

Expiration Date: 03/01/2022

Horizontal Hole Oil & Gas

PERMIT TO RECOMPLETE

WELL LOCATION: Section: 04 Township: 17N Range: 13W County: BLAINE

SPOT LOCATION: SE SW SW SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **235** **380**

Lease Name: LAU Well No: 1-4H Well will be 235 feet from nearest unit or lease boundary.

Operator Name: STAGHORN PETROLEUM II LLC Telephone: 9185842558 OTC/OCC Number: 24056 0

STAGHORN PETROLEUM II LLC
1 W 3RD ST STE 1000
TULSA, OK 74103-3500

CHERIE LAU
1801 CHERRY STREET
ALVA OK 73717

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

Name	Code	Depth
1 MORROW	402MRRW	8820
2 MISSISSIPPIAN	359MSSP	9199

Spacing Orders: 656045 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
95181

Pending CD Numbers: 202000873 Special Orders: No Special Orders

Total Depth: 15508 Ground Elevation: 1656 **Surface Casing: 576 IP** Depth to base of Treatable Water-Bearing FM: 50

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

Approved Method for disposal of Drilling Fluids:

HORIZONTAL HOLE 1

Section: 4 Township: 17N Range: 13W Total Length: 4806
County: BLAINE Measured Total Depth: 15508
Spot Location of End Point: NE NW NW NW True Vertical Depth: 10698
Feet From: **NORTH** 1/4 Section Line: 64 End Point Location from
Feet From: **WEST** 1/4 Section Line: 405 Lease, Unit, or Property Line: 64

NOTES:

Category	Description
DEEP SURFACE CASING	9/29/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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.

HYDRAULIC FRACTURING	8/28/2020 - GC2 - 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
INTERMEDIATE CASING	9/29/2016 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	9/29/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 202000873	9/1/2020 - GC2 - (I.O.) 4-17N-13W X95181 MRRW X667175 MSSP*** COMPL. INT. NCT 115' FSL, NCT 500' FWL NO OP. NAMED REC. 8-31-2020 (MOORE) ***S/B 656045; WAS CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR
SPACING - 656045	9/1/2020 - GC2 - (640)(HOR) 4-17N-13W VAC 95181 CSTR VAC 350201 MSSLM, OTHER EST MSSP, OTHERS COMPL. INT. (MSSP) NLT 660' FB, NCT 600' FWB
SPACING - 95181	9/1/2020 - GC2- (640) 4-17N-13W EXT OTHERS EST MRRW, CSTR (VAC BY 656045)

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