

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

API NUMBER: 073 26657 A

Approval Date: 12/23/2019
Expiration Date: 06/23/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: BHL CHANGE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 16N Rge: 8W County: KINGFISHER
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 305 925

Lease Name: MAYBEL FED 1608 Well No: 6H-13X Well will be 305 feet from nearest unit or lease boundary.
Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2812105100; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

MARGARET C. KELLOGG
106 E. SKYVIEW ROAD
AUSTIN TX 78752

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8272	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 638049 Location Exception Orders: 691706 Increased Density Orders: 689948
691705 691709 689875

Pending CD Numbers:

Special Orders:

Total Depth: 18632 Ground Elevation: 1079 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 240

Deep surface casing has been approved

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37169
E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
H. SEE MEMO

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.

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 13 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1436

Depth of Deviation: 7830

Radius of Turn: 511

Direction: 360

Total Length: 10257

Measured Total Depth: 18632

True Vertical Depth: 8272

End Point Location from Lease,
Unit, or Property Line: 85

Notes:

Category	Description
DEEP SURFACE CASING	12/19/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 691709 (201809365)	12/23/2019 - GC2 - (I.O.) 13 & 24-16N-8W X165:10-3-28(C)(2)(B) MSSP (MAYBEL FIU 1608 6H-13X***) MAY BE CLOSER THAN 600' TO MAYBEL FIU 1608 2H-13X, MAYBEL FIU 1608 3H-13X, MAYBEL FIU 1608 4H-13X, MAYBEL FED 1608 5H-13X, MAYBEL FIU 1608 7H-13X, MAYBEL 1H-13X, AND SARAH LOVE 1 NO OP. NAMED 2-20-2019 *** S/B MAYBEL FED 1608 6H-13X; WILL BE CORRECTED FOR OPERATOR PER ATTORNEY
HYDRAULIC FRACTURING	12/19/2019 - G71 - 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: OCCEWEB.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

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.

073 26657 MAYBEL FED 1608 6H-13X

INCREASED DENSITY - 689875 (201809350)	12/23/2019 - GC2 - 24-16N-8W X638049 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC 1-16-2019
INCREASED DENSITY - 689948 (201809349)	12/23/2019 - GC2 - 13-16N-8W X638049 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC 1-17-2019
INTERMEDIATE CASING	12/19/2019 - 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
LOCATION EXCEPTION - 691706 (201809362)	12/23/2019 - GC2 - (I.O.) 13 & 24-16N-8W X638049 MSSP, OTHER COMPL. INT. (24-16N-8W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (13-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL NEWFIELD EXPLORATION MID-CONTINENT INC 2-20-2019
MEMO	12/19/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 638049	12/23/2019 - GC2 - (640)(HOR) 13 & 24-16N-8W VAC 240846 MSSLM VAC 41819 MSCST EXT 622633 MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB (COEXIST CONCURRENTLY PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNIT FOR MSCST)
SPACING - 691705 (201809361)	12/23/2019 - GC2 - (I.O.) 13 & 24-16N-8W EST MULTIUNIT HORIZONTAL WELL X638049 MSSP, OTHER 50% 13-16N-8W 50% 24-16N-8W NEWFIELD EXPLORATION MID-CONTINENT INC 2-20-2019

