

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

API NUMBER: 073 26435 A

Approval Date: 02/08/2019  
Expiration Date: 08/08/2020

Horizontal Hole Oil & Gas  
Multi Unit

Amend reason: CHANGE LOCATION EXCEPTION CD, UPDATE  
ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 16N Rge: 8W County: KINGFISHER  
SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 275 390

Lease Name: KENNETH FIU Well No: 1608 6H-30X Well will be 275 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

JOEL B & BRIDGET D. BIRDWELL  
5880 STATE HWY 33  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8287	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 630460 Location Exception Orders: 691199 Increased Density Orders: 688775  
691198 692593 688776

Pending CD Numbers:

Special Orders:

Total Depth: 19550 Ground Elevation: 1142 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 50

Deep surface casing has been approved

Under Federal Jurisdiction: No 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 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: CHICKASHA

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 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: CHICKASHA

## HORIZONTAL HOLE 1

Sec 30 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 977

Depth of Deviation: 8437

Radius of Turn: 515

Direction: 355

Total Length: 10304

Measured Total Depth: 19550

True Vertical Depth: 8860

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

12/17/2018 - 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 - 692593 (201807870)

12/5/2019 - G56 - (I.O.) 30 & 31-16N-8W  
X165:10-3-28(C)(2)(B) MSSP (KENNETH FED 1608 6H-30X)  
MAY BE CLOSER THAN 600' TO PROPOSED WELLS, AND/OR KENNETH 1H-30X, LOUISE 1-30, JINDRA 1-30 WELLS  
NO OP NAMED  
3/8/2019

#### HYDRAULIC FRACTURING

12/17/2018 - 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:  
[OCCWEB.COM/OG/OGFORMS.HTML](http://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](http://FRACFOCUS.ORG)

#### INCREASED DENSITY - 688775

12/5/2019 - G56 - 30-16N-8W  
X630460 MSSP  
7 WELLS  
NEWFIELD EXPLORATION MID-CONTINENT INC.  
12/21/2018

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 26435 KENNETH FIU 1608 6H-30X

INCREASED DENSITY - 688776	12/5/2019 - G56 - 31-16N-8W X630460 MSSP 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 12/21/2018
INTERMEDIATE CASING	12/17/2018 - 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 - 691199 (201807865)	12/5/2019 - G56 - (I.O.) 30 & 31-16N-8W X630460 MSSP, OTHER COMPL. INT. (31-16N-8W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (30-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 2/11/2019
MEMO	12/17/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR
SPACING - 630460	12/5/2019 - G56 - (640)(HOR) 30 & 31-16N-8W VAC 41819 MCSTR VAC 83896 MNNG, MISS E2 NW4, NE4, E2 SE4, SW4 30 & ALL 31-16N-8W EXT 614033 MSSP, OTHER POE TO BHL (MSSP) NCT 660' FB (COEXIST SP. ORDER 83896 MNNG, MISS W2 NW4 & W2 SE4)
SPACING - 691198 (201807864)	12/5/2019 - G56 - (I.O.) 30 & 31-16N-8W EST MULTIUNIT HORIZONTAL WELL X630460 MSSP, OTHER 50% 30-16N-8W 50% 31-16N-8W NEWFIELD EXPLORATION MID-CONTINENT INC. 2/11/2019