

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

API NUMBER: 073 26496

Approval Date: 03/18/2019

Expiration Date: 09/18/2020

Horizontal Hole  
Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 16N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 310 760

Lease Name: MICHAEL FIU 1608

Well No: 8H-29X

Well will be 310 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 SQUARE PL STE 100  
THE WOODLANDS, TX 77380-2764

MICHAEL AND DIANE YOST  
7739 STATE HWY 33  
KINGFISHER OK 73750

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

|   | Name          | Depth | Name | Depth |
|---|---------------|-------|------|-------|
| 1 | MISSISSIPPIAN | 8773  | 6    |       |
| 2 | WOODFORD      | 9353  | 7    |       |
| 3 |               |       | 8    |       |
| 4 |               |       | 9    |       |
| 5 |               |       | 10   |       |

Spacing Orders: 635439  
642183

Location Exception Orders:

Increased Density Orders: 692978  
692979

Pending CD Numbers: 201900522  
201900524  
201900525

Special Orders:

Total Depth: 19178

Ground Elevation: 1163

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 90

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 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-36056

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 SIX 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 29 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 1077

Depth of Deviation: 8122

Radius of Turn: 478

Direction: 359

Total Length: 10306

Measured Total Depth: 19178

True Vertical Depth: 9353

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

1/30/2019 - 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

HYDRAULIC FRACTURING

1/30/2019 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 692978

3/18/2019 - G58 - 29-16N-8W  
X635439/642183 MSSP  
2 WELLS  
NEWFIELD EXPLORATION MID-CONTINENT INC.  
3/15/2019

INCREASED DENSITY - 692979

3/18/2019 - G58 - 32-16N-8W  
X635439/642183 MSSP  
2 WELLS  
NEWFIELD EXPLORATION MID-CONTINENT INC.  
3/15/2019

This permit does not address the right of entry or settlement of surface damages.

073 26496 MICHAEL FIU 1608 8H-29X

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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.

| Category               | Description   |
|------------------------|---|
| INTERMEDIATE CASING    | 1/30/2019 - 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   |
| MEMO                   | 1/30/2019 - 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, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR   |
| PENDING CD - 201900522 | 3/18/2019 - G58 - (I.O.) 29 & 32-16N-8W<br>EST MULTIUNIT HORIZONTAL WELL<br>X635439 MSSP, WDFD<br>(WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)<br>50% 29-16N-8W<br>50% 32-16N-8W<br>NO OP. NAMED<br>REC 2/12/2019 (M. NORRIS)   |
| PENDING CD - 201900524 | 3/18/2019 - G58 - (I.O.) 29 & 32-16N-8W<br>X635439/642183 MSSP, WDFD<br>COMPL. INT. 32-16N-8W NCT 165' FSL, NCT 0' FNL, NCT 660' FEL<br>COMPL. INT. 29-16N-8W NCT 0' FSL, NCT 165' FNL, NCT 660' FEL<br>NO OP. NAMED<br>REC 2/12/2019 (M. NORRIS)   |
| PENDING CD - 201900525 | 3/18/2019 - G58 - (I.O.) 29 & 30-16N-8W<br>X165:10-3-28(C)(2)(B) MSSP, WDFD (MICHAEL FED 1608 7H-29X)<br>MAYBE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELLS<br>REC 2/12/2019 (M. NORRIS)  |
| SPACING - 635439       | 3/18/2019 - G58 - (640)(HOR) 29 & 32-16N-8W<br>VAC 41819 MCSTR<br>VAC 83896 MNNG, MISS S2, E2 NW4, W2 NE4 29 & W2 W2, E2 SW4, E2 SE4 32<br>EXT 83896 MSSP, WDFD **<br>POE TO BHL NCT 660' FB (MSSP)<br>POE TO BHL NCT 165 FNL OR FSL, NCT 330 FEL OR FWL (WDFD)<br>(COEXIST SP. ORDER 83896 MNNG, MISS W2 NW4, E2 NE4 29 & 32 MINUS W2 W2 E2, E2 SE4) |
| SPACING - 642183       | ** S/B EXT 614033 MSSP, WDFD; CORRECTED BY NPT 642183<br>3/18/2019 - G58 - NPT TO SP. ORDER 635439 TO CORRECT ORDER BEING EXTENDED IS SP. ORDER NUMBER 614033   |

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