

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

API NUMBER: 073 26333

Approval Date: 11/08/2018

Expiration Date: 05/08/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 350 962

Lease Name: LUCILE

Well No: 1708 2H-27X

Well will be 350 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 2816742521; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC  
24 WATERWAY AVE STE 900  
THE WOODLANDS, TX 77380-2764

ARCHIE P BARNARD, TRUSTEE  
835 LEWIS AVENUE  
EMORY BARNARD AND LUCILE BARNARD TRUST  
5/2/1975  
BILLINGS MT 59101-

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

| Name                           | Depth | Name | Depth |
|--------------------------------|-------|------|-------|
| 1 MISSISSIPPIAN (LESS CHESTER) | 8164  | 6    |       |
| 2                              |       | 7    |       |
| 3                              |       | 8    |       |
| 4                              |       | 9    |       |
| 5                              |       | 10   |       |

Spacing Orders: 651604

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805860  
201805874  
201805861  
201805858  
201805859

Special Orders:

Total Depth: 18700

Ground Elevation: 1141

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

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 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 34 Twp 17N Rge 8W County KINGFISHER

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 995

Depth of Deviation: 7869

Radius of Turn: 328

Direction: 181

Total Length: 10315

Measured Total Depth: 18700

True Vertical Depth: 8346

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

11/6/2018 - 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

HYDRAULIC FRACTURING

11/6/2018 - 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: [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)

MEMO

11/6/2018 - 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

PENDING CD - 201805858

11/7/2018 - G58 - 27-17N-8W  
X615604 MSNLC  
7 WELLS  
NO OP. NAMED  
REC 10/9/2018 (M. PORTER)

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.

073 26333 LUCILE 1708 2H-27X

| Category               | Description   |
|------------------------|---|
| PENDING CD - 201805859 | 11/7/2018 - G58 - 34-17N-8W<br>X615604 MSNLC<br>7 WELLS<br>NO OP. NAMED<br>REC 10/9/2018 (M. PORTER)  |
| PENDING CD - 201805860 | 11/7/2018 - G58 - (I.O.) 27 & 34-17N-8W<br>EST MULTIUNIT HORIZONTAL WELL<br>X651604 MSNLC<br>50% 27-17N-8W<br>50% 34-17N-8W<br>NO OP. NAMED<br>REC 10/9/2018 (M. PORTER)  |
| PENDING CD - 201805861 | 11/7/2018 - G58 - (I.O.) 27 & 34-17N-8W<br>X651604 MSNLC<br>COMPL. INT. 27-17N-8W NCT 165' FNL, NCT 0' FSL, NCT 660' FEL<br>COMPL. INT. 34-17N-8W NCT 0' FNL, NCT 165' FSL, NCT 660' FEL<br>NO OP. NAMED<br>REC 10/9/2018 (M. PORTER) |
| PENDING CD - 201805874 | 11/7/2018 - G58 - (I.O.) 27 & 34-17N-8W<br>X165:10-3-28(C)(2)(B) MSNLC (LUCILE 1708 2H-27X)<br>MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL<br>REC 10/9/2018 (M. PORTER)   |
| SPACING - 651604       | 11/7/2018 - G58 - (640)(HOR) 27 & 34-17N-8W<br>EXT 645708 MSNLC<br>POE TO BHL NCT 660' FB<br>(COEXIST SP. ORDER #66653 MSSLM & SP. ORDER #418928 MSSLM)   |

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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.

# PERMIT PLAT

M & M Land Surveying, Inc.  
Phone (580) 226-0446  
520 E Street N.W.  
Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

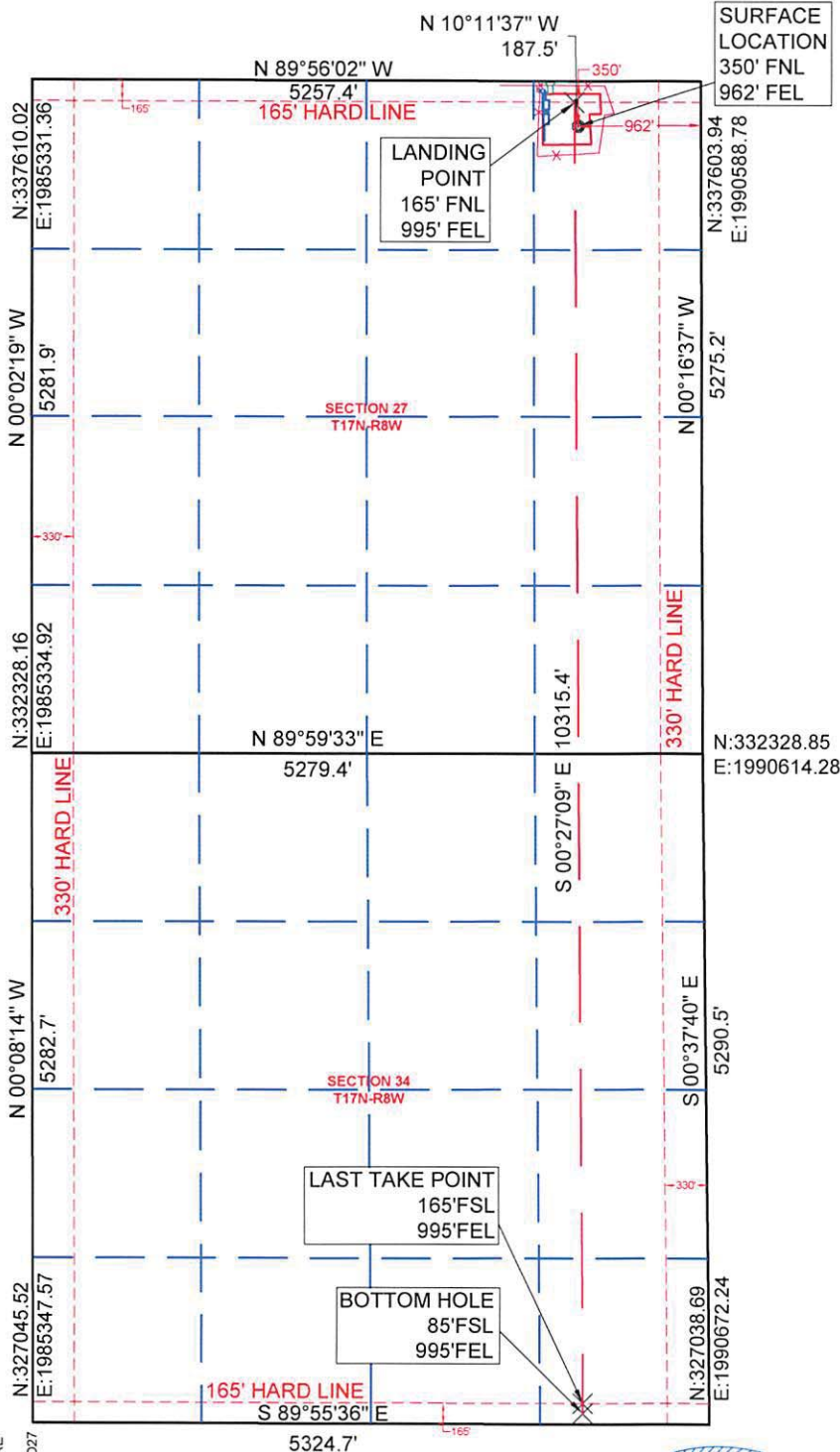
Lease Name: LUCILE 1708 2H-2X

Section 27 Township 17 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

Original Location: 350'FNL - 962'FEL Elevation 1141' GROUND Good Location? YES

Distance & Direction From Nearest Town: 7.3 miles Northwest of Kingfisher

073-26333



| SURFACE LOCATION      | LANDING POINT         |
|-----------------------|-----------------------|
| DATUM: NAD27          | DATUM: NAD27          |
| LAT: 35° 55' 35.41"N  | LAT: 35° 55' 37.23"N  |
| LONG: 98° 02' 06.11"W | LONG: 98° 02' 06.51"W |
| LAT: 35.926502°N      | LAT: 35.927010°N      |
| LONG: 98.035030°W     | LONG: 98.035143°W     |
| Y (N): 337255.47      | Y (N): 337440.08      |
| X (E): 1989628.28     | X (E): 1989595.03     |
| DATUM: NAD83          | DATUM: NAD83          |
| LAT: 35° 55' 35.56"N  | LAT: 35° 55' 37.38"N  |
| LONG: 98° 02' 07.32"W | LONG: 98° 02' 07.72"W |
| LAT: 35.926543°N      | LAT: 35.927050°N      |
| LONG: 98.035366°W     | LONG: 98.035479°W     |
| Y (N): 337279.22      | Y (N): 337463.83      |
| X (E): 1958029.04     | X (E): 1957995.79     |

| LAST TAKE POINT       | BOTTOM HOLE           |
|-----------------------|-----------------------|
| DATUM: NAD27          | DATUM: NAD27          |
| LAT: 35° 53' 56.01"N  | LAT: 35° 53' 55.22"N  |
| LONG: 98° 02' 05.49"W | LONG: 98° 02' 05.48"W |
| LAT: 35.898892°N      | LAT: 35.898672°N      |
| LONG: 98.034858°W     | LONG: 98.034855°W     |
| Y (N): 327204.96      | Y (N): 327124.96      |
| X (E): 1989675.74     | X (E): 1989676.37     |
| DATUM: NAD83          | DATUM: NAD83          |
| LAT: 35° 53' 56.16"N  | LAT: 35° 53' 55.37"N  |
| LONG: 98° 02' 06.70"W | LONG: 98° 02' 06.69"W |
| LAT: 35.898933°N      | LAT: 35.898713°N      |
| LONG: 98.035193°W     | LONG: 98.035191°W     |
| Y (N): 327228.71      | Y (N): 327148.71      |
| X (E): 1958076.64     | X (E): 1958077.27     |

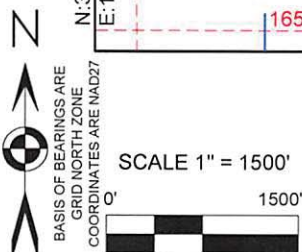
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified.

## CERTIFICATE:

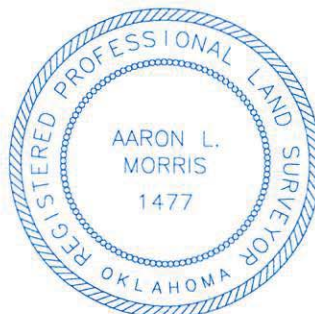
I Aaron Morris a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

 10/26/2018

Aaron L. Morris R.P.L.S. No.1477  
Bennett-Morris & Associates Land  
Surveying P.C. ~ C.A. No. 5795 (LS)  
Phone (580) 226-5108  
Fax (888) 662-7778  
1010 Northwest Boulevard  
Ardmore, OK 73401



COORDINATES ARE AS SHOWN ARE  
DERIVED FROM OPUS SOLUTION.  
PROJECTION: OKLAHOMA NORTH  
ZONE, LAMBERT CONFORMAL  
HORIZONTAL: NAD27  
VERTICAL: NAVD88  
GEOID MODEL: GEOID 99  
UNITS: US SURVEY FEET



|  |                                    |
|--|------------------------------------|
| SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)     |                                    |
| DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C. |                                    |
| © COPYRIGHT 2018 C.A. No. 5795 (LS) ~ Aaron L. Morris, RPLS    |                                    |
| PROJECT NUMBER: 18527  | SITE VISIT: (Explanation and Date) |
| SHEET: 1 OF 8  | STAKING DATE: 09/19/2018           |
|  | DRAWING DATE: 10/24/2018           |