API NUMBER: 011 24117

Oil & Gas

Horizontal Hole

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

Approval Date: 11/05/2018 05/05/2020 **Expiration Date** 

PERMIT TO DRILL

WELL LOCATION: Sec: 16N Rge: 11W County: BLAINE Twp:

FEET FROM QUARTER: SPOT LOCATION: lsw FROM SOUTH WEST NW sw ll se SECTION LINES: 380 1565

Lease Name: HOILE FED 1611 Well No: 6H-25X Well will be 380 feet from nearest unit or lease boundary.

**NEWFIELD EXPLORATION MID-CON INC** Operator OTC/OCC Number: Telephone: 2816742521: 9188781 20944 0 Name:

NEWFIELD EXPLORATION MID-CON INC 24 WATERWAY AVE STE 900

THE WOODLANDS. TX 77380-2764 ROBERT WILLIAM HOILE

260695 E. 850 RD.

**WATONGA** OK 73772

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

Name Depth Name Depth MISSISSIPPIAN 1 10643 6 2 7 8 3 4 9 5 10 663456 Spacing Orders: Location Exception Orders: 683656 Increased Density Orders: 682021 683351 682020

Pending CD Numbers: Special Orders:

Total Depth: 21151 Depth to base of Treatable Water-Bearing FM: 40 Ground Elevation: 1567 Surface Casing: 1500

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

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35535 E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498 Chlorides Max: 8000 Average: 5000

H. SEE MEMO 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?

is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT Pit Location Formation: TERRACE

## 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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

## **HORIZONTAL HOLE 1**

Sec 25 Twp 16N Rge 11W County **BLAINE** Spot Location of End Point: ΝE NE NW NW Feet From: NORTH 1/4 Section Line: 85 WEST Feet From: 1/4 Section Line: 1026

Depth of Deviation: 10123
Radius of Turn: 477
Direction: 355

Total Length: 10279

Measured Total Depth: 21151

True Vertical Depth: 10672

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

Notes:

Category Description

DEEP SURFACE CASING 10/29/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS

OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

EXCEPTION TO RULE - 683351 11/1/2018 - G75 - (I.O.) 36 & 25-16N-11W

X165:10-3-28(C)(2)(B) MSSP (HOILE 1611 6H-25X) \*\*

MAY BE CLOSÉR THAN 600' TO EXISTING/PROPOSED WELLS

NEWFIELD EXPLOR. MID-CONT. INC.

9-20-2018

\*\* S/B HOILE FED 1611 6H-25X; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER

**OPERATOR** 

HYDRAULIC FRACTURING 10/29/2018 - GA8 - 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

Category Description

INCREASED DENSITY - 682020 11/1/2018 - G75 - 25-16N-11W

X663456 MSSP

6 WELLS

NEWFIELD EXPLOR. MID-CONT. INC.

8-24-2018

INCREASED DENSITY - 682021 11/1/2018 - G75 - 36-16N-11W

X663456 MSSP

6 WELLS

NEWFIELD EXPLOR. MID-CONT. INC.

8-24-2018

INTERMEDIATE CASING 10/29/2018 - GA8 - 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 - 683656 11/1/2018 - G75 - (I.O.) 36 & 25-16N-11W

X663456 MSSP, OTHÉR SHL (36-16N-11W) SW4

COMPL. INT. (36-16N-11W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (25-16N-11W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL

NEWFIELD EXPLOR. MID-CONT. INC.

9-25-2018

MEMO 10/29/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 -

WBM & CUTTINGS TO BE SOIL-FARMED; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO R360

(ORDER #587498)

PENDING CD - 201802762 11/1/2018 - G75 - (I.O.) 36 & 25-16N-11W

EST MULTIUNIT HORIZONTAL WELL

X663456 MSSP, OTHER 50% 36-16N-11W 50% 25-16N-11W NO OP. NAMED

REC 7-20-2018 (MINMIER)

SPACING - 663456 11/1/2018 - G75 - (640)(HOR) 36 & 25-16N-11W

EXT 640263 MSSP, OTHER POE TO BHL NCT 660' FB

(COEXIST SP. ORDER # 458008 CSTR, MISS 36-16N-11W)

API 011-24117

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

> NAD83 N:301044.00

N 00°06'36" 5276.25'

FOUND 1/2" I.R.

N:295743 79

E:1907254.89

N:295767 77

E:1875654.70

SURFACE

LOCATION

380'FSL

5263 93

1565'FWL

165' HARDILINE S 89°14'12" E NAD27

NAD83

E:1875664.84

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: HOILE FED 1611 6H-25X

FOUND 3/8" I.R.

NAD27 N:306338.92

E:1901998.02

HARD

S 00°01'19" W

5274.19

FOUND 1/2" I.R

N:295813.93

N:295837.91

E:1870391.24

LANDING

POINT

E:1901991.43

NAD27

NAD83

Section 36 Township 16 N Range 11 W , I.B.M, County of Blaine, State of Oklahoma Elevation Good Location?

Original Location: 380' FSL - 1565'FWL 1567' GROUND YES

NAD83 Distance & Direction From Nearest Town: 5.6 miles Southeast of Watonga N:306362.90 E:1870397.83 S 89°28'12" E FOUND COTTON SPINDLE WITH 165 HARD LINE WASHER NAD27 **BOTTOM HOLE** N:306290 16 85' FNL E:1907270.37 1026' FWL N:306314.13 E:1875670 19 LAST TAKE POINT 165' FNL 1026' FWL S 00°02'59" W 5250.80 S 00°03'29" 5270.13 18 10279.1 ш HARD LINE .54" N 00°01 FOUND 3/8" I.R. NAD27 N:301088 13 E:1901993.46 NAD83 N:301112.10 330 E:1870393.27 N 89°15'36" W FOUND 1/2" I.R. 5272.00 NAD27 N:301020.03 E:1907265.02

SURFACE LOCATION
DATUM: NAD27
LAT: 35° 48' 47.53"N
LONG: 98° 19' 30.97"W
LAT: 35.813202°N
LONG: 98.325270°W

STATE PLANE
COORDINATES: (US
SURVEY FEET)

ZONE: NORTH ZONE Y (N): 296173.12 X (E): 1903556.26

DATUM: NAD83 LAT: 35° 48' 47.68"N LONG: 98° 19' 32.22"W LAT: 35.813245°N LONG: 98.325615°W

COORDINATES: (US SURVEY FEET) ZONE: NORTH ZONE Y (N): 296197.08

X (E): 1871956.07

STATE PLANE

DATA DERIVED FROM G.P.S. WITH O.P.U.S.

DATA.

BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27

SCALE 1" = 1500'

0' 1500'

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.

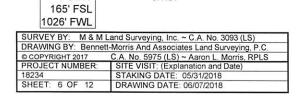
## **CERTIFICATE:**

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.



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



S 68°54'51" W

577.54