API NUMBER: 043 23651

Oil & Gas

Is depth to top of ground water greater than 10ft below base of pit? Y

is located in a Hydrologically Sensitive Area.

Within 1 mile of municipal water well? N

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

Wellhead Protection Area?

Category of Pit: C

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: 08/24/2018
Expiration Date: 02/24/2019

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

PERMIT TO DRILL

|  |                      |                      | _   |                                 |                        |
|--|----------------------|----------------------|---|---------------------------------|------------------------|
| WELL LOCATION: Sec: 25 Twp: 19N Rge: 15W   | County: DEWE         | Υ                    |   |                                 |                        |
| SPOT LOCATION: NW SE SE SE FEET FRO  | M QUARTER: FROM      | SOUTH FROM E         | AST                                       |                                 |                        |
| SECTION  | LINES:               | 365 5                | 00  |                                 |                        |
| Lease Name: CHAIN  | Well No:             | 1915 1H-25           | Well will be                              | e 365 feet from nearest u       | nit or lease boundary. |
| Operator NEWFIELD EXPLORATION MID-CON INC Name:  |                      | Telephone: 2816      | 742521; 9188781                           | OTC/OCC Number:                 | 20944 0                |
| NEWFIELD EXPLORATION MID-CON INC<br>24 WATERWAY AVE STE 900<br>THE WOODLANDS, TX 77380   | -2764                |                      | DARLA CHAIN<br>ROUTE 1, BOX 159<br>CANTON | OK 737:                         | 24                     |
| Formation(s) (Permit Valid for Listed Formations   | s Only):<br>Depth    |                      | Name                                      | Depth                           |                        |
| 1 MISSISSIPPIAN  | 9956                 | 6                    |   |                                 |                        |
| 2 WOODFORD   | 10626                | 7                    |   |                                 |                        |
| 3  |                      | 8                    |   |                                 |                        |
| 4<br>5   |                      | 9                    |   |                                 |                        |
| 5  |                      | 10                   |   |                                 |                        |
| Spacing Orders: No Spacing   | Location Exception C | Orders:              |   | Increased Density Orders:       |                        |
| Pending CD Numbers: 201803516<br>201803518   |                      |                      |   | Special Orders:                 |                        |
| Total Depth: 15329 Ground Elevation: 1883  | Surface C            | casing: 550          | Dept                                      | h to base of Treatable Water-Be | aring FM: 300          |
| Under Federal Jurisdiction: No   | Fresh Water S        | Supply Well Drilled: | No  | Surface Water used              | to Drill: No           |
| PIT 1 INFORMATION  |                      | Appro                | oved Method for disposal of Drill         | ling Fluids:                    |                        |
| Type of Pit System: CLOSED Closed System Means Steel Pits  |                      |                      |   |                                 |                        |
| Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT)  Chlorides Max: 8000 Average: 5000  H. SEE MEMO |                      | QUIRES PERMIT)       | PERMIT NO: 18-34943                       |                                 |                        |

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: RUSH SPRINGS

## **HORIZONTAL HOLE 1**

Sec 25 Twp 19N Rge 15W County **DEWEY** Spot Location of End Point: N2 N2 ΝE NF Feet From: NORTH 1/4 Section Line: 85 EAST Feet From: 1/4 Section Line: 660

Depth of Deviation: 9049
Radius of Turn: 800
Direction: 359
Total Length: 5023

Measured Total Depth: 15329

True Vertical Depth: 10626

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

 Additional Surface Owner
 Address
 City, State, Zip

 DARLA CHAIN
 ROUTE 1, BOX 159
 CANTON, OK 73724

Notes:

Category Description

HYDRAULIC FRACTURING 7/17/2018 - 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:

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

INTERMEDIATE CASING 7/17/2018 - 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

MEMO 7/17/2018 - 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 (18-34786), WBM & OBM CUTTINGS TRANSFERRED TO R360 (587498); PIT 2 -

OBM TO VENDOR

Category Description

PENDING CD - 201803516 7/19/2018 - G57 - (E.O.)(640)(HOR) 25-19N-15W

VAC 273582 MSSLM

VAC 289300 CSTR S2 NW4, N2 NE4, S2

EXT 671044 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

(COEXIST W/ SP. 289300 S2 NE4, N2 NW4 CSTR) NEWFIELD EXPLORATION MID-CONTINENT INC.

REC 8-21-2018 (DENTON)

PENDING CD - 201803518 8/17/2018 - G57 - (E.O.) 25-19N-15W

X201803516 MSSP, WDFD

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL

NO OP. NAMED

**REC 8-21-2018 (DENTON)** 

## PERMIT PLAT

API:043 23651

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: CHAIN 1915 1H 25

Original Location:

Section 25 Township 19 N Range 15 W , I.B.M, County of Dewey, State of Oklahoma

Elevation

Good Location? 1883' GROUND

365'FSL - 500'FEL Distance & Direction From Nearest Town: 9.1 Northwest of Canton

N BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27

SCALE 1" = 1000'

0' 1000'

SURFACE LOCATION DATUM: NAD27

36° 05' 16.15"N LAT: LONG: 98° 44' 39.32"W 36.087820°N LONG: 98.744256°W STATE PLANE COORDINATES: (US SURVEY FEET)

ZONE: NORTH ZONE 396817.99 Y (N): 1780093.14 X (E):

DATUM: NAD83

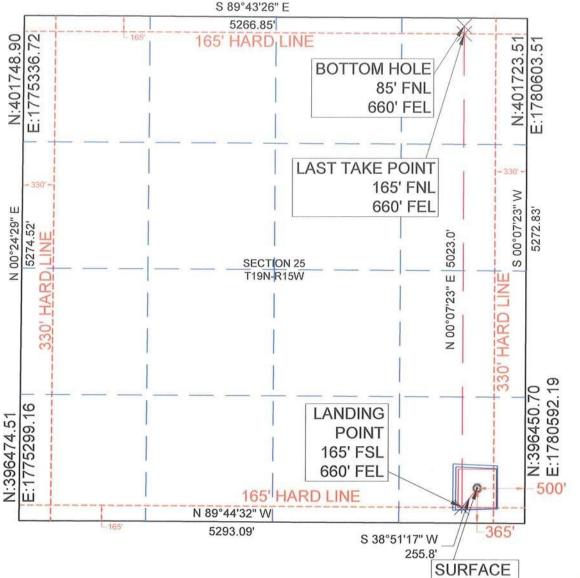
LAT: 36° 05' 16.30"N LONG: 98° 44' 40.64"W 36.087861°N LAT: LONG: 98.744623°W STATE PLANE COORDINATES: (US SURVEY FEET) ZONE: NORTH ZONE Y (N): 396844.02

X (E): 1748490.07 DATA DERIVED FROM G.P.S. WITH O.P.U.S.

DATA.

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.

D. Harry McClintick PLS. No.1367 CFEDS



| SURVEY BY: M & M   | Land Surveying, Inc. ~ C.A. No. 3093 (LS)    |
|--------------------|--|
| DRAWING BY: Bennet | t-Morris And Associates Land Surveying, P.C. |
| © COPYRIGHT 2017   | C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS   |
| PROJECT NUMBER:    | SITE VISIT: (Explanation and Date)           |
| 18139              | STAKING DATE: 03/21/2018                     |
| SHEET: 6 OF 10     | DRAWING DATE: 03/23/2018                     |

I D. Harry McClintick 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.

CERTIFICATE:

LOCATION 365'FSL 500'FEL