

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

API NUMBER: 137 27577

Approval Date: 08/26/2019

Expiration Date: 02/26/2021

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 2N Rge: 4W County: STEPHENS
SPOT LOCATION: ☐ NW ☐ SW ☐ NW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1713 250

Lease Name: MARY J Well No: 2-4-25-36-5HA Well will be 250 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

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY SQ PLACE STE 100
THE WOODLANDS TX 77380

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

Name	Depth	Name	Depth
1 SYCAMORE	13270	6	
2 WOODFORD	13412	7	
3 HUNTON	13635	8	
4		9	
5		10	

Spacing Orders: 622176	Location Exception Orders: 685721	Increased Density Orders: 682466
685720	683974	682467
699738	699739	699736
	699752	699737

Pending CD Numbers:

Special Orders:

Total Depth: 21445 Ground Elevation: 1147 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 900

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36913
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: DUNCAN

HORIZONTAL HOLE 1

Sec 36 Twp 2N Rge 4W County STEPHENS

Spot Location of End Point: SE SW SW NW

Feet From: NORTH 1/4 Section Line: 2631

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 12972

Radius of Turn: 482

Direction: 179

Total Length: 7716

Measured Total Depth: 21445

True Vertical Depth: 13917

End Point Location from Lease,
Unit, or Property Line: 350

Notes:

Category

Description

DEEP SURFACE CASING

8/14/2019 - 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

EXCEPTION TO RULE - 683974

8/19/2019 - GC0 - (I.O.) 25 & 36-2N
X165:10-3-28(C)(2)(B) SCMR, WDFD, HNTN (MARY J 2-4-25-36 5H)
MAY BE CLOSER THAN 600' TO MARY J 1H-25X, 4H, 12H, 13H, 3H, 11H, 10H AND 2H****
NEWFIELD EXPLORATION MID-CONTINENT INC.
9/28/2018

**** ALL WELL NAMES SHOULD HAVE "A" ON END; WILL BE CORRECTED AT FINAL HEARING
PER ATTORNEY FOR OPERATOR

EXCEPTION TO RULE - 699752

8/19/2019 - GC0 - EXT. TIME FOR ORDER 683974 UNTIL 9/28/2020

HYDRAULIC FRACTURING

8/14/2019 - 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:
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

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

137 27577 MARY J 2-4-25-36-5HA

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.

Category	Description
INCREASED DENSITY - 682466	8/19/2019 - GC0 - 25-2N-4W X622176 WDFD 8 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 9/05/2018
INCREASED DENSITY - 682467	8/19/2019 - GC0 - 36-2N-4W X622176 WDFD 8 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 9/5/2018
INCREASED DENSITY - 699736	8/19/2019 - GC0 - EXT. OF TIME FOR ORDER 682466 UNTIL 9/5/2020
INCREASED DENSITY - 699737	8/20/2019 - GC0 - EXT. OF TIME FOR ORDER 682467 UNTIL 9/5/2020
LOCATION EXCEPTION - 685721	8/19/2019 - GC0 - (I.O.) 25 & 36-2N-4W X622176 SCMR, WDFD, HNTN 25 & 36-2N-4W COMPL. INT. (25-2N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL COMPL. INT. (36-2N-4W) NCT 0' FNL, NCT 2640' FSL, NCT 330' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 10/30/18
LOCATION EXCEPTION - 699739	8/19/2019 - GC0 - EXT. OF TIME FOR ORDER 685721 UNTIL 10/30/2020
MEMO	8/14/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM & WBM CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 622176	8/16/2019 - GC0 - (640)(HOR) 25 & 36-2N-4W EST SCMR, WDFD, HNTN COMPL. INT. (WDFD) NLT 330' FB COMPL. INT. (SCMR, HNTN) NLT 660' FB
SPACING - 685720	8/19/2019 - GC0 - (I.O.) 25 & 36-2N-4W EST MULTIUNIT HORIZONTAL WELL X622176 SCMR, WDFD, HNTN 25 & 36-2N-4W (SCMR, HNTN ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 67% 25-2N-4W 33% 36-2N-4W NEWFIELD EXPLORATION MID-CONTINENT INC. 10/30/18
SPACING - 699738	8/19/2019 - GC0 - EXT. OF TIME FOR ORDER 685720 UNTIL 10/30/2020

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

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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

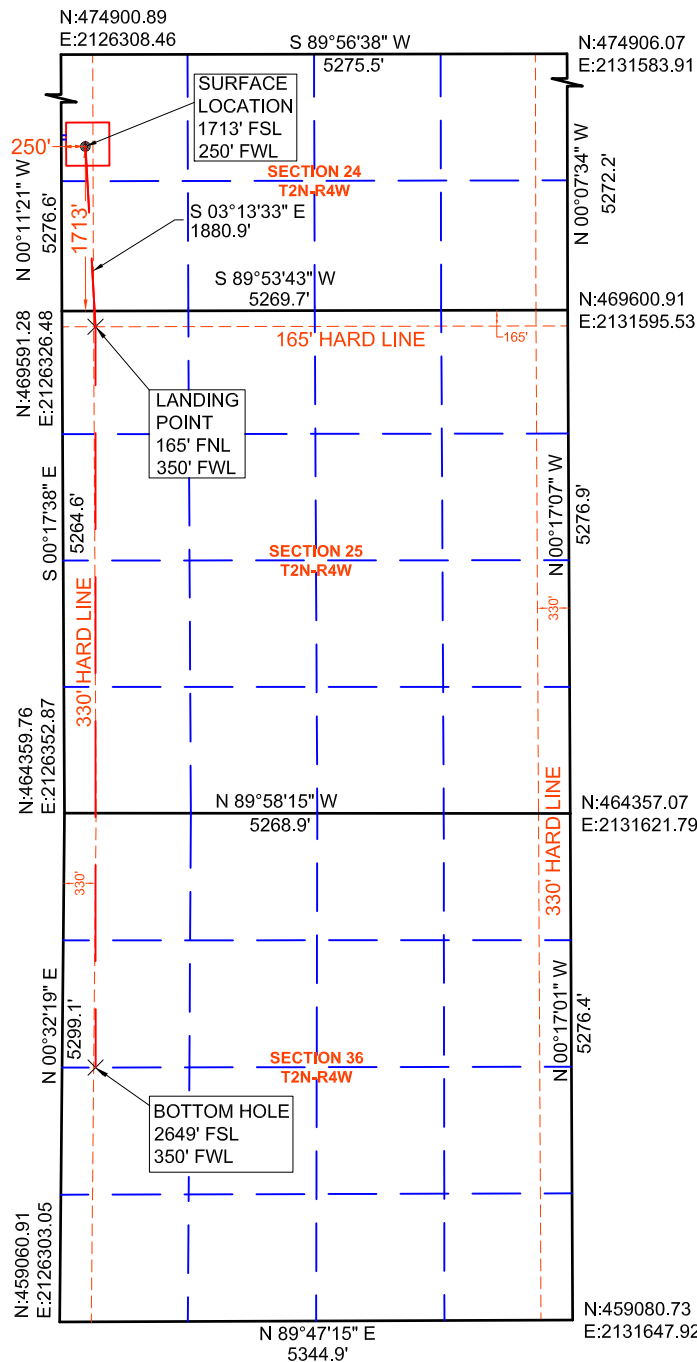
Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: MARY J 2-4-25-36-5HA

Section 24 Township 2 N Range 4 W , I.B.M., County of Stephens, State of Oklahoma
Elevation Good Location?

Original Location: 1713'FSL - 250'FWL 1147' GROUND YES

Distance & Direction From Nearest Town: 14.5 miles South of Lindsay

**SURFACE LOCATION**

DATUM: NAD27

LAT: 34° 37' 39.79"N

LONG: 97° 34' 45.38"W

LAT: 34.627720°N

LONG: 97.579273°W

Y (N): 471304.73

X (E): 2126570.68

DATUM: NAD83

LAT: 34° 37' 40.08"N

LONG: 97° 34' 46.49"W

LAT: 34.627800°N

LONG: 97.579580°W

Y (N): 471347.02

X (E): 2094975.4

LANDING POINT

DATUM: NAD27

LAT: 34° 37' 21.21"N

LONG: 97° 34' 44.21"W

LAT: 34.622559°N

LONG: 97.578947°W

Y (N): 469426.92

X (E): 2126676.72

DATUM: NAD83

LAT: 34° 37' 21.50"N

LONG: 97° 34' 45.31"W

LAT: 34.622639°N

LONG: 97.579253°W

Y (N): 469469.21

X (E): 2095081.45

LAST TAKE POINT

DATUM: NAD27

LAT: N/A

LONG: N/A

LAT: N/A

LONG: N/A

Y (N): N/A

X (E): N/A

DATUM: NAD83

LAT: N/A

LONG: N/A

LAT: N/A

LONG: N/A

Y (N): N/A

X (E): N/A

BOTTOM HOLE

DATUM: NAD27

LAT: 34° 36' 04.88"N

LONG: 97° 34' 44.58"W

LAT: 34.601356°N

LONG: 97.579050°W

Y (N): 461710.9

X (E): 2126677.92

DATUM: NAD83

LAT: 34° 36' 05.17"N

LONG: 97° 34' 45.68"W

LAT: 34.601437°N

LONG: 97.579356°W

Y (N): 461753.19

X (E): 2095082.68

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.

[Signature] 8/27/2019

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 SOUTH
ZONE, LAMBERT CONFORMAL
HORIZONTAL: NAD27
VERTICAL: NAVD88
GEOID MODEL: GEOID 99
UNITS: US SURVEY FEET

SCALE 1" = 2000'

0' 2000'



SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2019 C.A. No. 5795 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 19264	SITE VISIT: (Explanation and Date)
STAKING DATE: 07/23/2019	
DRAWING DATE: 08/09/2019	
SHEET: 2 OF 4	