

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

API NUMBER: 137 27573

Approval Date: 08/23/2019
Expiration Date: 02/23/2021

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 2N Rge: 4W County: STEPHENS
SPOT LOCATION: SE NE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 971 1495

Lease Name: MARY J Well No: 2-4-25-36-2HA Well will be 971 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 EXPL. 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	12909	6	
2 WOODFORD	13055	7	
3 HUNTON	13278	8	
4		9	
5		10	

Spacing Orders: 622176	Location Exception Orders: 683969	Increased Density Orders: 682466
684426	683974	682467
699742	699743	699736
	699752	699737

Pending CD Numbers:

Special Orders:

Total Depth: 21270 Ground Elevation: 1141 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 1050

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

PIT 1 INFORMATION

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: BISON

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36911
- 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: BISON

HORIZONTAL HOLE 1

Sec 36 Twp 2N Rge 4W County STEPHENS

Spot Location of End Point: S2 SW SE NE

Feet From: NORTH 1/4 Section Line: 2639

Feet From: EAST 1/4 Section Line: 1132

Depth of Deviation: 12796

Radius of Turn: 482

Direction: 178

Total Length: 7717

Measured Total Depth: 21270

True Vertical Depth: 13480

End Point Location from Lease,
Unit, or Property Line: 1132

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

8/16/2019 - GC0 - (I.O.) 25 & 36-2N-4W
X165:10-3-28(C)(2)(B) SCMR, WDFD, HNTN (MARY J 2-4-25-36 2H)
MAY BE CLOSER THAN 600' TO MARY J 1H-25X, 5H, 12H, 13H, 4H, 11H, 3H, 10H
NEWFIELD EXPLORATION MID-CONTINENT INC.
9/28/2018

EXCEPTION TO RULE - 699752

8/16/2019 - GC0 - EXT. OF 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: 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

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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
INCREASED DENSITY - 682466	8/16/2019 - GC0 - 25-2N-4W X622176 WDFD 8 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 9/5/2018
INCREASED DENSITY - 682467	8/16/2019 - GC0 - 36-2N-4W X622176 WDFD 8 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 9/5/2018
INCREASED DENSITY - 699736	8/16/2019 - GC0 - EXT. OF TIME FOR ORDER 682466 UNTIL 9/5/2020
INCREASED DENSITY - 699737	8/16/2019 - GC0 - EXT. OF TIME FOR ORDER 682467 UNTIL 9/5/2020
LOCATION EXCEPTION - 683969	8/16/2019 - 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 660' FEL COMPL. INT. (36-2N-4W) NCT 0' FNL, NCT 2640' FSL, NCT 660' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 9/28/18
LOCATION EXCEPTION - 699743	8/16/2019 - GC0 - EXT. OF TIME FOR ORDER 683969 UNTIL 9/28/2020
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 - 8/16/2019 - (640)(HOR) 25 & 36-2N-4W EST SCMR, WDFD, HNTN COMPL. INT.(WDFD) NLT 330' FB COMPL. INT. (SCMR, HNTN) NLT 660' FB
SPACING - 684426	8/16/2019 - GC0 - (I.O.) 25 & 36-2N-4W EST MULTIUNIT HORIZONTAL WELL X622176 WDFD, SCMR, 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. 10/5/18
SPACING - 699742	8/16/2019 - GC0 - EXT. OF TIME FOR ORDER 684426 UNTIL 10/5/2020

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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

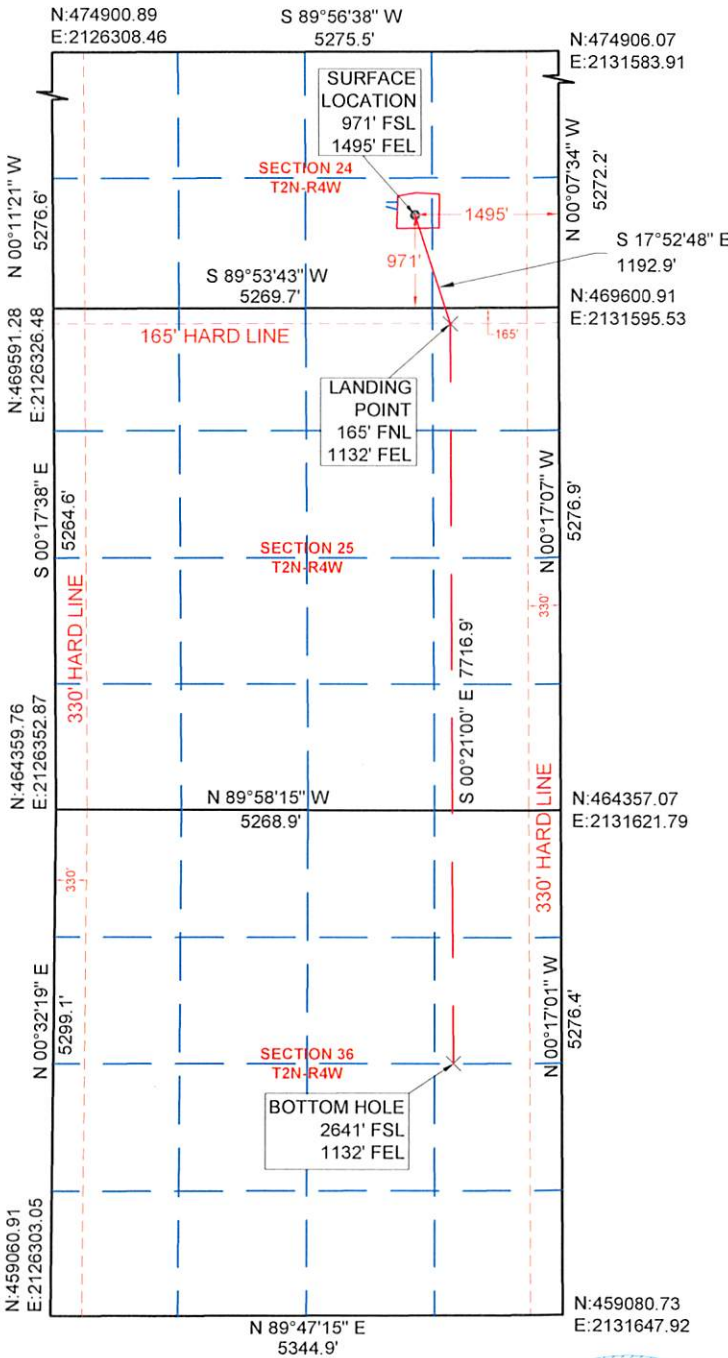
M & M Land Surveying, Inc.
 Phone (580) 226-0446
 520 E Street N.W.
 Ardmore, OK 73401

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

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

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

Original Location: 971'FSL - 1495'FEL 1141' GROUND YES
 Distance & Direction From Nearest Town: 14.6 miles South of Lindsay



SURFACE LOCATION		LANDING POINT	
DATUM: NAD27	DATUM: NAD27		
LAT: 34° 37' 32.37"N	LAT: 34° 37' 21.12"N		
LONG: 97° 34' 03.21"W	LONG: 97° 33' 58.88"W		
LAT: 34.625657°N	LAT: 34.622534°N		
LONG: 97.567558°W	LONG: 97.566357°W		
Y (N): 470569.07	Y (N): 469433.81		
X (E): 2130098.29	X (E): 2130464.53		
DATUM: NAD83	DATUM: NAD83		
LAT: 34° 37' 32.65"N	LAT: 34° 37' 21.41"N		
LONG: 97° 34' 04.31"W	LONG: 97° 33' 59.99"W		
LAT: 34.625737°N	LAT: 34.622614°N		
LONG: 97.567864°W	LONG: 97.566663°W		
Y (N): 470611.39	Y (N): 469476.13		
X (E): 2098503.02	X (E): 2098869.26		

LAST TAKE POINT		BOTTOM HOLE	
DATUM: NAD27	DATUM: NAD27		
LAT: N/A	LAT: 34° 36' 04.78"N		
LONG: N/A	LONG: 97° 33' 58.82"W		
LAT: N/A	LAT: 34.601329°N		
LONG: N/A	LONG: 97.566340°W		
Y (N): N/A	Y (N): 461717.03		
X (E): N/A	X (E): 2130502.81		
DATUM: NAD83	DATUM: NAD83		
LAT: N/A	LAT: 34° 36' 05.07"N		
LONG: N/A	LONG: 97° 33' 59.93"W		
LAT: N/A	LAT: 34.601409°N		
LONG: N/A	LONG: 97.566646°W		
Y (N): N/A	Y (N): 461759.36		
X (E): N/A	X (E): 2098907.58		

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) 8/26/2019

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



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. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 19259	SITE VISIT: (Explanation and Date)
SHEET: 2 OF 4	STAKING DATE: 07/23/2019
	DRAWING DATE: 08/09/2019