

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

API NUMBER: 017 25425

Approval Date: 03/26/2019

Expiration Date: 09/26/2020

Horizontal Hole  
Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 14N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 300 1890

Lease Name: WM WALLACE

Well No: 1406 4H-18X

Well will be 300 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 SQUARE PL STE 100  
THE WOODLANDS, TX 77380-2764

CLYDE LEON WALLACE AND SUSAN KIM WALLACE  
6004 HUMMINGBIRD CIRCLE  
EL RENO OK 73036

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8172	6	
2	WOODFORD	8614	7	
3			8	
4			9	
5			10	

Spacing Orders: 608194

Location Exception Orders: 691951  
691955

Increased Density Orders: 689881  
689882  
689827  
689828

Pending CD Numbers: 201809725

Special Orders:

Total Depth: 19385

Ground Elevation: 1248

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 270

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: 19-36163

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 18 Twp 14N Rge 6W County CANADIAN

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 2351

Depth of Deviation: 8182

Radius of Turn: 554

Direction: 10

Total Length: 10333

Measured Total Depth: 19385

True Vertical Depth: 8614

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

Additional Surface Owner	Address	City, State, Zip
KATHRYN KREMEIER & MARLIN KR	19430 N. SHEPARD AVE.	OKARCHE, OK 73762

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

1/31/2019 - 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

HYDRAULIC FRACTURING

1/31/2019 - 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](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)

INCREASED DENSITY - 689827

3/19/2019 - G58 - 18-14N-6W\*\*  
X608194 WDFD  
7 WELLS  
NEWFIELD EXPLORATION MID-CONTINENT INC.  
1/16/2019

\*\*WRONG WELL NAME IN HEADER S/B WM WALLACE 1406 4H-18X

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

017 25425 WM WALLACE 1406 4H-18X

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 - 689828	3/19/2019 - G58 - 19-14N-6W** X608194 WDFD 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 1/16/2019  **WRONG WELL NAME IN HEADER S/B WM WALLACE 1406 4H-18X
INCREASED DENSITY - 689881	3/19/2019 - G58 - 18-14N-6W** X608194 MSSP 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 1/16/2019  **WRONG WELL NAME IN HEADER S/B WM WALLACE 1406 4H-18X
INCREASED DENSITY - 689882	3/19/2019 - G58 - 19-14N-6W** X608194 MSSP 7 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 1/16/2019  **WRONG WELL NAME IN HEADER S/B WM WALLACE 1406 4H-18X
LOCATION EXCEPTION - 691951	3/19/2019 - G58 - (I.O.) 18 & 19-14N-6W X608194 MSSP, WDFD, OTHER COMPL. INT. 19-14N-6W NCT 165' FSL, NCT 0' FNL, NCT 1980' FEL COMPL. INT. 18-14N-6W NCT 0' FSL, NCT 165' FNL, NCT 1980' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 2/25/2019
LOCATION EXCEPTION - 691955	3/19/2019 - G58 - (I.O.) 18 & 19-14N-6W X165:10-3-28(C)(2)(B) MSSP, WDFD (KREMEIER 1406 4H-18X**) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL 2/28/2019  **WRONG WELL NAME IN ORDER S/B WM WALLACE 1406 4H-18X
MEMO	1/31/2019 - 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, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
PENDING CD - 201809725	3/19/2019 - G58 - (I.O.) 18 & 19-14N-6W EST MULTIUNIT HORIZONTAL WELL X608194 MSSP, WDFD, OTHER (MSSP & WDFD ARE TARGET FORMATIONS) 50% 18-14N-6W 50% 19-14N-6W NO OP. NAMED REC 12/11/2018 (JACKSON)
SPACING - 608194	3/19/2019 - G58 - (640)(HOR) 18 & 19-14N-6W VAC 161941 MISS, MSCST, OTHER W2 & SE4 VAC 121298 MISS, OTHER N2 & SW4 VAC OTHER EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDERS 121298 MISS SE4; SP. ORDER 161941 MISS, MSCST NE4)

# 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.

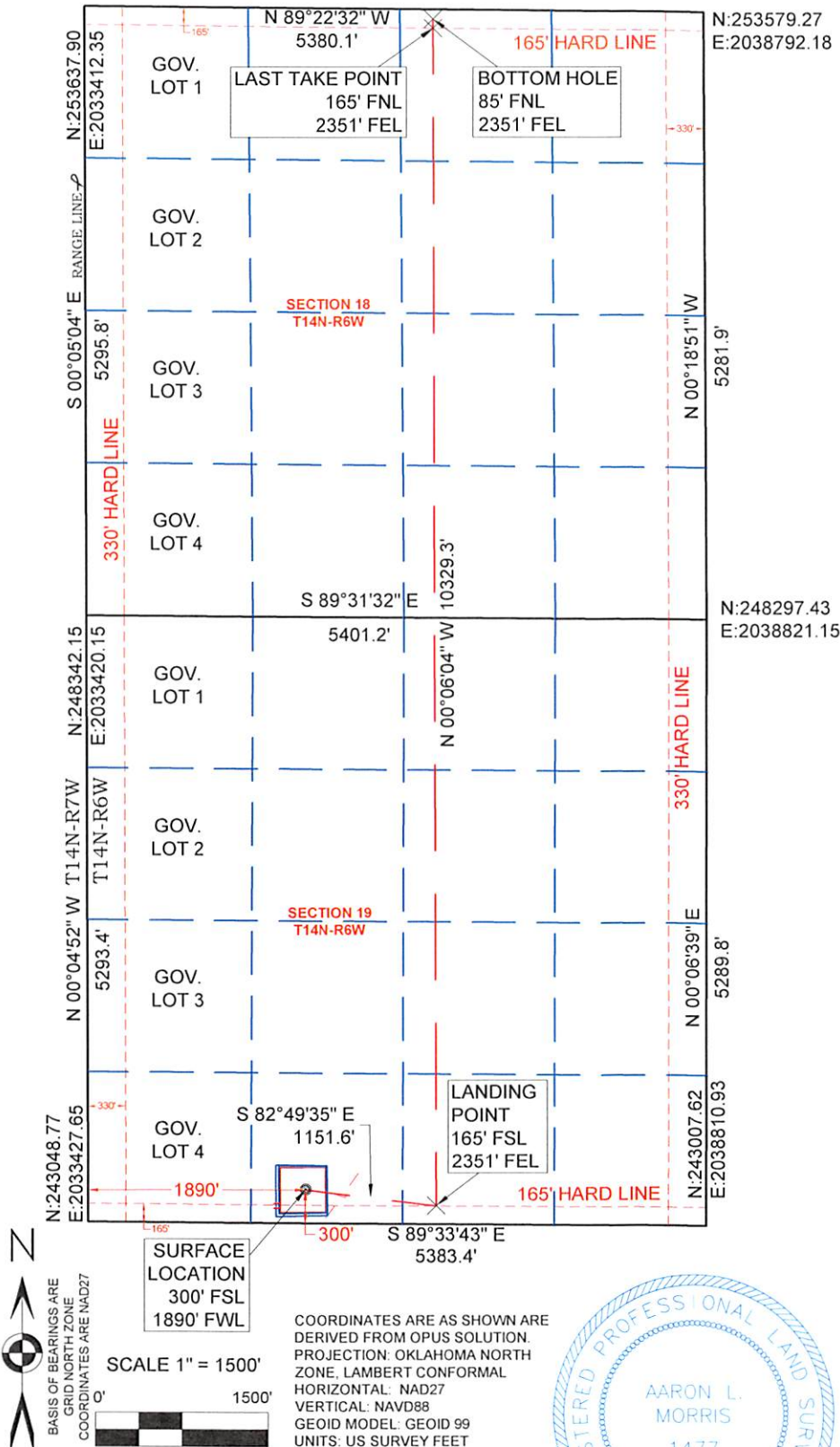
Lease Name: WM WALLACE 1406 4H-18X

Section 19 Township 14 N Range 6 W , I.B.M., County of Canadian, State of Oklahoma  
Elevation Good Location?

Original Location: 300'FSL - 1890'FWL 1248' GROUND YES

Distance & Direction From Nearest Town: 6.7 miles Southeast of Okarche

017-25425



SURFACE LOCATION	LANDING POINT
DATUM: NAD27	DATUM: NAD27
LAT: 35° 40' 06.34"N	LAT: 35° 40' 04.90"N
LONG: 97° 52' 51.98"W	LONG: 97° 52' 38.14"W
LAT: 35.668427N	LAT: 35.668028N
LONG: 97.881106W	LONG: 97.877260W
Y (N): 243334.48	Y (N): 243190.64
X (E): 2035317.13	X (E): 2036459.66
DATUM: NAD83	DATUM: NAD83
LAT: 35° 40' 06.51"N	LAT: 35° 40' 05.07"N
LONG: 97° 52' 53.16"W	LONG: 97° 52' 39.31"W
LAT: 35.668475N	LAT: 35.668076N
LONG: 97.881433W	LONG: 97.877587W
Y (N): 243358.55	Y (N): 243214.72
X (E): 2003719.14	X (E): 2004861.67

LAST TAKE POINT	BOTTOM HOLE
DATUM: NAD27	DATUM: NAD27
LAT: 35° 41' 46.27"N	LAT: 35° 41' 47.06"N
LONG: 97° 52' 38.20"W	LONG: 97° 52' 38.20"W
LAT: 35.696185N	LAT: 35.696405N
LONG: 97.877277W	LONG: 97.877278W
Y (N): 253439.96	Y (N): 253519.96
X (E): 2036441.64	X (E): 2036441.5
DATUM: NAD83	DATUM: NAD83
LAT: 35° 41' 46.44"N	LAT: 35° 41' 47.23"N
LONG: 97° 52' 39.38"W	LONG: 97° 52' 39.38"W
LAT: 35.696233N	LAT: 35.696453N
LONG: 97.877605W	LONG: 97.877605W
Y (N): 253464	Y (N): 253544
X (E): 2004843.58	X (E): 2004843.44

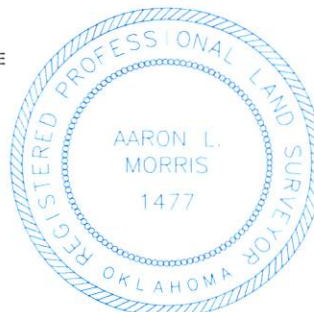
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy. The metrical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

 1/18/2019

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



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: 19016	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 9	STAKING DATE: 09/27/2018
	DRAWING DATE: 01/15/2019