

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

API NUMBER: 043 23650

Approval Date: 08/22/2018

Expiration Date: 02/22/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 19N Rge: 15W County: DEWEY
SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 283 360

Lease Name: ALEXANDER FED 1915 Well No: 1H-10X Well will be 283 feet from nearest unit or lease boundary.
Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2816742521; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
24 WATERWAY AVE STE 900
THE WOODLANDS, TX 77380-2764

NATHAN BILLINGS
P.O. BOX 322
SEILING OK 73663

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9581	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 681049

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804229
201804230

Special Orders:

Total Depth: 19588 Ground Elevation: 1651 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 310

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: 8000 Average: 5000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35192
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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 15 Twp 19N Rge 15W County DEWEY

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8730

Radius of Turn: 382

Direction: 185

Total Length: 10257

Measured Total Depth: 19588

True Vertical Depth: 9581

End Point Location from Lease,
Unit, or Property Line: 0

Notes:

Category

Description

DEEP SURFACE CASING

8/20/2018 - 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

8/20/2018 - 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

8/20/2018 - 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

8/20/2018 - 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, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR

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

043 23650 ALEXANDER FED 1915 1H-10X

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
PENDING CD - 20184229	8/21/2018 - G57 - (I.O.) 10 & 15-19N-15W EST MULTIUNIT HORIZONTAL WELL X681049 MSSP 50% 10-19N-15W 50% 15-19N-15W NEWFIELD EXPLORATION MID-CONTINENT INC. REC 6-19-2018 (NORRIS)
PENDING CD - 20184230	8/21/2018 - G57 - (I.O.) 10 & 15-19N-15W X681049 MSSP SHL (10-19N-15W) SE4** COMPL. INT. (10-19N-15W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (15-19N-15W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 6-19-2018 (NORRIS) **ITD HAS SHL 283' FNL, 360' FWL 11-19N-15W; WILL BE CORRECTED AT THE HEARING FOR THE FINAL PER THE OPERATOR
SPACING - 681049	8/21/2018 - G57 - (640)(HOR) 10 & 15-19N-15W VAC 111990 CSTR, MSSLM 10-19N-15W EXT 673892 MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST W/ SP. ORDER 111990 CSTR, MSSLM 15-19N-15W)

PERMIT PLAT

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

API:043 23650

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

Lease Name: **ALEXANDER FED 1915 1H 10X**

Section 11 Township 19 N Range 15 W, I.B.M., County of Dewey, State of Oklahoma

Elevation Good Location?

Original Location: 283'FNL - 360'FWL 1651' GROUND YES

Distance & Direction From Nearest Town: 8.2 miles East of Seiling

SURFACE LOCATION

DATUM: NAD27
LAT: 36° 08' 37.28"N
LONG: 98° 46' 36.32"W
LAT: 36.143689°N
LONG: 98.776755°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 417229.44
X (E): 1770653.65

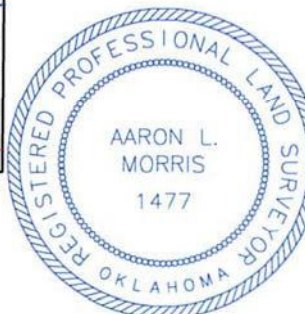
DATUM: NAD83
LAT: 36° 08' 37.42"N
LONG: 98° 46' 37.64"W
LAT: 36.143728°N
LONG: 98.777122°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 417255.61
X (E): 1739050.66

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

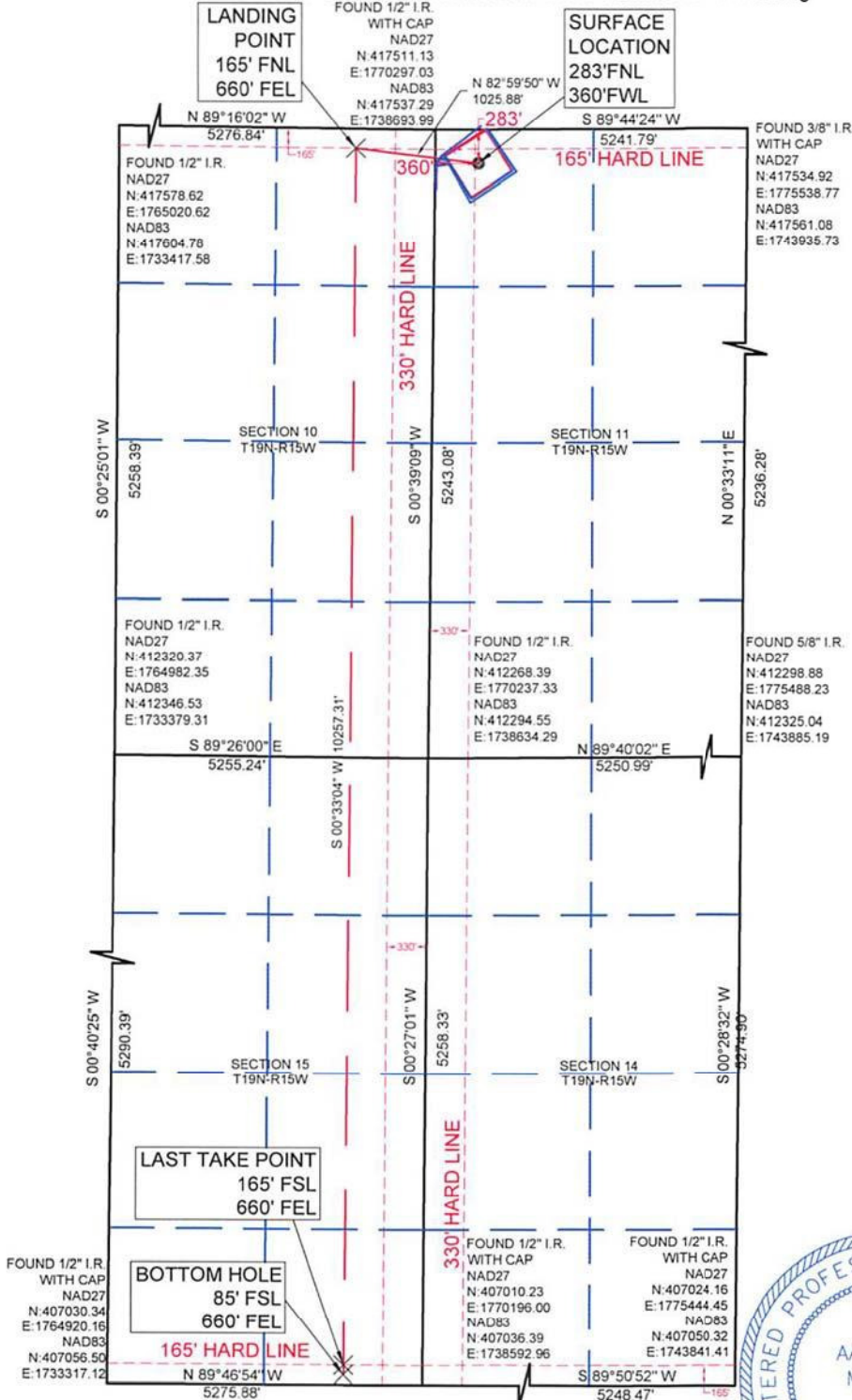
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

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 06/07/2018
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 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18219	SITE VISIT: (Explanation and Date)
18219	STAKING DATE: 05/22/2018
SHEET: 6 OF 12	DRAWING DATE: 05/30/2018