

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

API NUMBER: 073 26379

Approval Date: 12/06/2018

Expiration Date: 06/06/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 16N Rge: 8W County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ SW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 725 1030

Lease Name: CORBIN

Well No: 1608 5H-5X

Well will be 725 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

KAREN EDGAR, TRUSTEE
18172 E 810 ROAD
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8510	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 632914
668437

Location Exception Orders: 668599
668556

Increased Density Orders: 668273
668272

Pending CD Numbers:

Special Orders:

Total Depth: 19070

Ground Elevation: 1167

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 250

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

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

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

H. SEE MEMO

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 05 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 440

Depth of Deviation: 8361

Radius of Turn: 467

Direction: 3

Total Length: 9975

Measured Total Depth: 19070

True Vertical Depth: 8863

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

Notes:

Category

Description

DEEP SURFACE CASING

11/8/2018 - 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

EXCEPTION TO RULE - 668556

12/6/2018 - G56 - (I.O.) 5 & 8-16N-8W
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE CORBIN 1H-5X, MARGARET 1-5, AND
LAWLER #1 WELLS
NEWFIELD EXPLOR. MID-CON INC.
9/26/2017

EXCEPTION TO RULE - 683338

12/6/2018 - G56 - EXTENSION OF TIME FOR ORDER # 668556

HYDRAULIC FRACTURING

11/8/2018 - 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

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

073 26379 CORBIN 1608 5H-5X

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

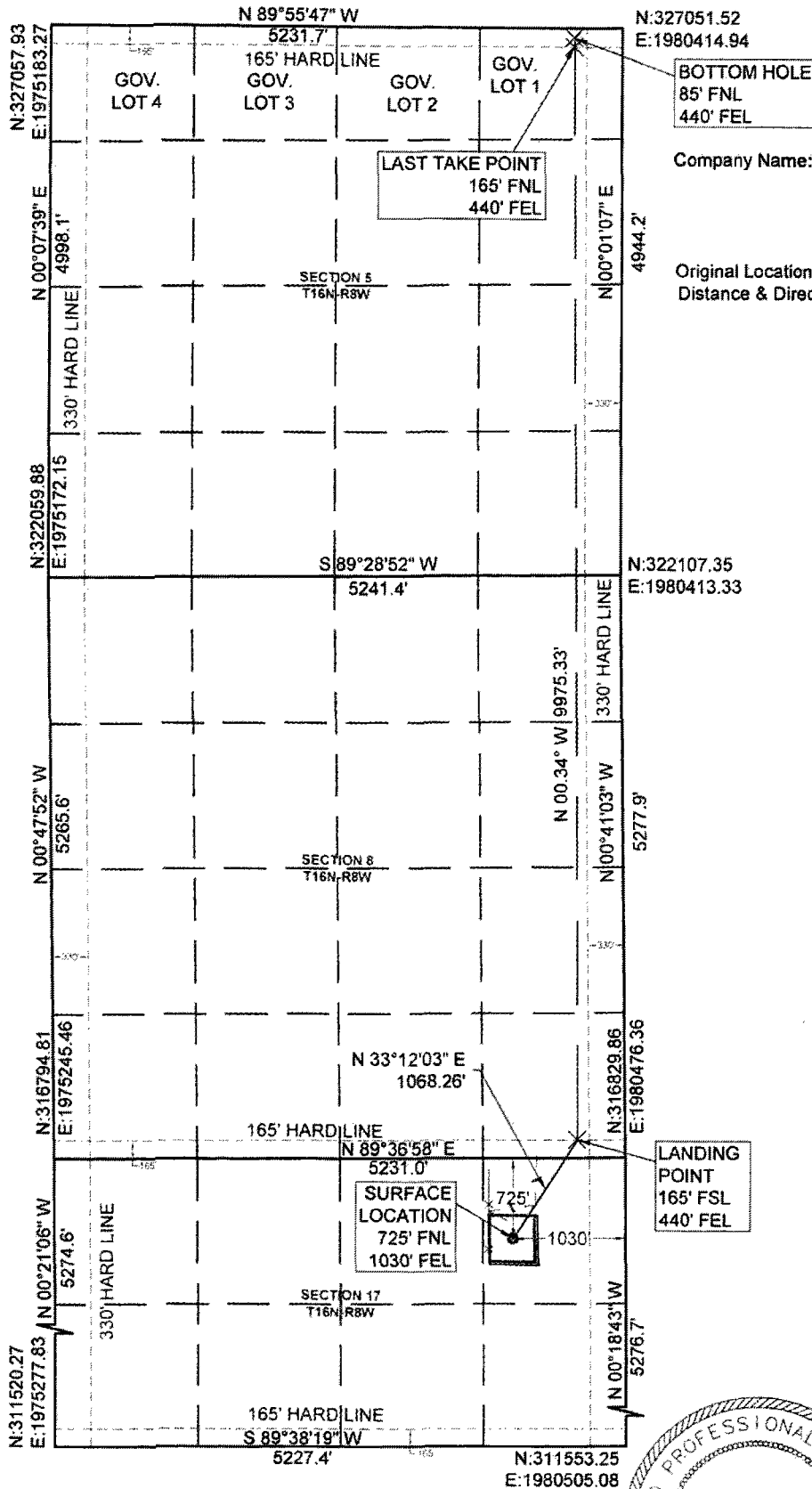
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
INCREASED DENSITY - 668272	12/6/2018 - G56 - 5-16N-8W X632914 MSSP 5 WELLS NEWFIELD EXPLOR. MID-CON INC. 9/19/2017
INCREASED DENSITY - 668273	12/6/2018 - G56 - 8-16N-8W X632914 MSSP 5 WELLS NEWFIELD EXPLOR. MID-CON INC. 9/19/2017
INCREASED DENSITY - 683339	12/6/2018 - G56 - EXTENSION OF TIME FOR ID # 668272
INCREASED DENSITY - 683340	12/6/2018 - G56 - EXTENSION OF TIME FOR ID # 668273
INTERMEDIATE CASING	11/8/2018 - 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
LOCATION EXCEPTION - 668599	12/6/2018 - G56 - (I.O.) 5 & 8-16N-8W X632914 MSSP, OTHER COMPL. INT. (8-16N-8W) NCT 165 FSL, NCT 0 FNL, NCT 330 FEL COMPL. INT. (5-16N-8W) NCT 0 FSL, NCT 165 FNL, NCT 330 FEL NEWFIELD EXPLOR. MID-CON INC. 9/27/2017
LOCATION EXCEPTION - 683337	12/6/2018 - G56 - EXTENSION OF TIME FOR # 668599
MEMO	11/8/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR
SPACING - 632914	12/6/2018 - G56 - (640)(HOR) 5 & 8-16N-8W VAC 100728/236444 MSSLM 5-16N-8W VAC 100728 MSSNC 5-16N-8W VAC 236444 MNNG 5-16N-8W VAC 174773 MCSTR, MNNG, MSSLM W2 NE4, NW4, S2 8-16N-8W EXT 614033 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 174773 MCSTR, MNNG, MSSLM E2 NE4 8-16N-8W)
SPACING - 668437	12/6/2018 - G56 - (I.O.) 5 & 8-16N-8W EST MULTIUNIT HORIZONTAL WELL X632914 MSSP, OTHER 50% 5-16N-8W 50% 8-16N-8W NEWFIELD EXPLOR. MID-CON INC. 9/22/2017
SPACING - 683336	12/6/2018 - G56 - EXTENSION OF TIME FOR MU # 668437

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.

**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: CORBIN 1608 5H-5X
Section 17 Township 16 N Range 8 W, I.B.M.
County of Kingfisher, State of Oklahoma
Good Location? YES
Original Location: 725'FNL - 1030'FEL Elevation 1167 GROUND
Distance & Direction From Nearest Town: 7.7 miles West of Kingfisher

SURFACE LOCATION

DATUM: NAD27
LAT: 35° 52' 06.11"N
LONG: 98° 04' 09.68"W
LAT: 35.868364°N
LONG: 98.069355°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 316098.07
X (E): 1979450.36

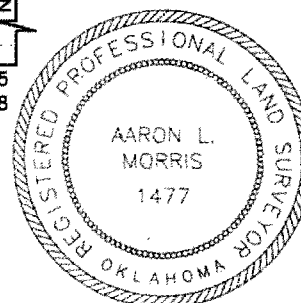
DATUM: NAD83
LAT: 35° 52' 06.26"N
LONG: 98° 04' 10.89"W
LAT: 35.868406°N
LONG: 98.069691°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 316121.8
X (E): 1947851.23

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.



[Signature] 9/5/2018

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 2018 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18363	SITE VISIT: (Explanation and Date)
	STAKING DATE: 08/15/2018
SHEET: 6 OF 10	DRAWING DATE: 08/31/2018