

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

API NUMBER: 073 26377 A

Approval Date: 12/06/2018
Expiration Date: 06/06/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE SHL & ADD METHOD OF DISPOSAL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 16N Rge: 8W County: KINGFISHER
SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 259 995

Lease Name: CORBIN Well No: 1608 3H-5X Well will be 259 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
24 WATERWAY AVE ST 900
THE WOODLANDS, TX 77380-2764

DEEMAC FARMS LLC
5005 WYOMING AVENUE
NASHVILLE TN 37209

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

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

Spacing Orders: 632914 Location Exception Orders: 668432 Increased Density Orders: 668273
668431 668556 668272

Pending CD Numbers:

Special Orders:

Total Depth: 19402 Ground Elevation: 1180 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 300

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

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 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36188

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 05 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 8285

Radius of Turn: 715

Direction: 8

Total Length: 9993

Measured Total Depth: 19402

True Vertical Depth: 8583

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) MSSP 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

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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 - 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 - 668432	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 1870 FWL COMPL. INT. (5-16N-8W) NCT 0 FSL, NCT 165 FNL, NCT 1870 FWL NEWFIELD EXPLOR. MID-CON INC. 9/22/2017
LOCATION EXCEPTION - 683247	12/6/2018 - G56 - EXTENSION OF TIME FOR LE # 668432
MEMO	2/5/2019 - 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
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 - 668431	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 - 683246	12/6/2018 - G56 - EXTENSION OF TIME FOR MU # 668431

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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 3H-5X**

Section 8 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma
 Elevation Good Location?

Original Location: 259'FSL - 995'FWL 1180' GROUND YES

Distance & Direction From Nearest Town: 8.3 miles West of Kingfisher

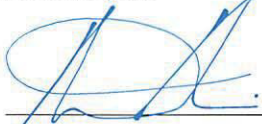
SURFACE LOCATION		LANDING POINT	
DATUM: NAD27	DATUM: NAD27	DATUM: NAD27	DATUM: NAD27
LAT: 35° 52' 15.60"N	LAT: 35° 52' 14.79"N	LAT: 35° 52' 14.79"N	LAT: 35° 52' 14.79"N
LONG: 98° 04' 48.73"W	LONG: 98° 04' 29.32"W	LONG: 98° 04' 29.32"W	LONG: 98° 04' 29.32"W
LAT: 35.871001°N	LAT: 35.870776°N	LAT: 35.870776°N	LAT: 35.870776°N
LONG: 98.080202°W	LONG: 98.074811°W	LONG: 98.074811°W	LONG: 98.074811°W
Y (N): 317060.39	Y (N): 316977.17	Y (N): 316977.17	Y (N): 316977.17
X (E): 1976237.25	X (E): 1977834.41	X (E): 1977834.41	X (E): 1977834.41
DATUM: NAD83	DATUM: NAD83	DATUM: NAD83	DATUM: NAD83
LAT: 35° 52' 15.75"N	LAT: 35° 52' 14.94"N	LAT: 35° 52' 14.94"N	LAT: 35° 52' 14.94"N
LONG: 98° 04' 49.94"W	LONG: 98° 04' 30.53"W	LONG: 98° 04' 30.53"W	LONG: 98° 04' 30.53"W
LAT: 35.871043°N	LAT: 35.870818°N	LAT: 35.870818°N	LAT: 35.870818°N
LONG: 98.080538°W	LONG: 98.075147°W	LONG: 98.075147°W	LONG: 98.075147°W
Y (N): 317084.11	Y (N): 317000.89	Y (N): 317000.89	Y (N): 317000.89
X (E): 1944638.05	X (E): 1946235.24	X (E): 1946235.24	X (E): 1946235.24

LAST TAKE POINT		BOTTOM HOLE	
DATUM: NAD27	DATUM: NAD27	DATUM: NAD27	DATUM: NAD27
LAT: 35° 53' 52.83"N	LAT: 35° 53' 53.67"N	LAT: 35° 53' 53.67"N	LAT: 35° 53' 53.67"N
LONG: 98° 04' 30.13"W	LONG: 98° 04' 30.13"W	LONG: 98° 04' 30.13"W	LONG: 98° 04' 30.13"W
LAT: 35.898007°N	LAT: 35.898241°N	LAT: 35.898241°N	LAT: 35.898241°N
LONG: 98.075037°W	LONG: 98.075037°W	LONG: 98.075037°W	LONG: 98.075037°W
Y (N): 326889.77	Y (N): 326974.77	Y (N): 326974.77	Y (N): 326974.77
X (E): 1977774.99	X (E): 1977775.01	X (E): 1977775.01	X (E): 1977775.01
DATUM: NAD83	DATUM: NAD83	DATUM: NAD83	DATUM: NAD83
LAT: 35° 53' 52.98"N	LAT: 35° 53' 53.82"N	LAT: 35° 53' 53.82"N	LAT: 35° 53' 53.82"N
LONG: 98° 04' 31.35"W	LONG: 98° 04' 31.35"W	LONG: 98° 04' 31.35"W	LONG: 98° 04' 31.35"W
LAT: 35.898049°N	LAT: 35.898282°N	LAT: 35.898282°N	LAT: 35.898282°N
LONG: 98.075374°W	LONG: 98.075374°W	LONG: 98.075374°W	LONG: 98.075374°W
Y (N): 326913.49	Y (N): 326998.49	Y (N): 326998.49	Y (N): 326998.49
X (E): 1946175.68	X (E): 1946175.7	X (E): 1946175.7	X (E): 1946175.7

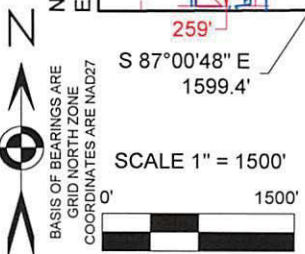
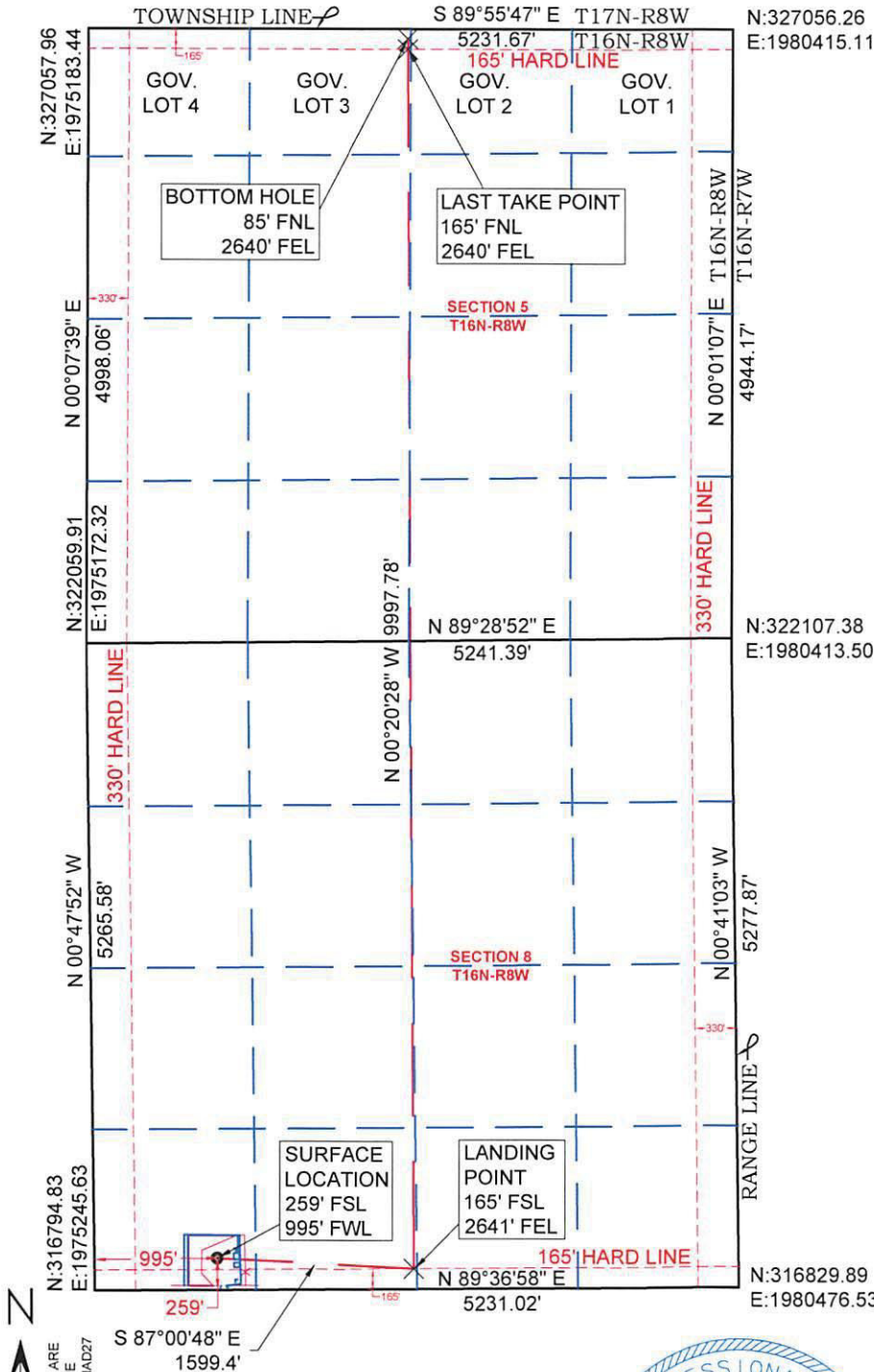
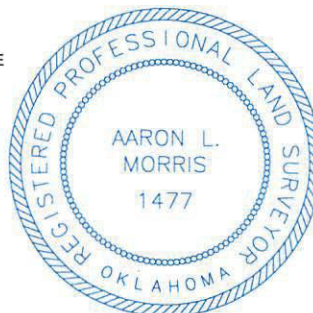
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy. The metrical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


 12/18/2018

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



COORDINATES ARE AS SHOWN ARE DERIVED FROM OPUS SOLUTION. PROJECTION: OKLAHOMA NORTH 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 2018 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18620	SITE VISIT: (Explanation and Date)
	STAKING DATE: 12/12/2018
SHEET: 6 OF 9	DRAWING DATE: 12/14/2018