

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

API NUMBER: 073 26522

Approval Date: 03/26/2019

Expiration Date: 09/26/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 16N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 610

Lease Name: YOST

Well No: 1608 6H-18X

Well will be 240 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

MICHAEL AND DIANE YOST
7739 SATE HIGHWAY 33
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8708	6	
2 WOODFORD	9288	7	
3		8	
4		9	
5		10	

Spacing Orders: 614033
687819

Location Exception Orders: 687820
686483

Increased Density Orders: 686484
686485

Pending CD Numbers:

Special Orders:

Total Depth: 19400

Ground Elevation: 1108

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

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: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36245

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: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 18 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 977

Depth of Deviation: 8340

Radius of Turn: 478

Direction: 355

Total Length: 10310

Measured Total Depth: 19400

True Vertical Depth: 9288

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

Notes:

Category

Description

DEEP SURFACE CASING

3/1/2019 - 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

3/1/2019 - 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

INCREASED DENSITY - 686484

3/25/2019 - G58 - 18-16N-8W
X614033 MSSP
7 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
11/9/2018

INCREASED DENSITY - 686485

3/25/2019 - G58 - 19-16N-8W
X614033 MSSP
7 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC.
11/9/2018

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

073 26522 YOST 1608 6H-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
INTERMEDIATE CASING	3/1/2019 - 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 - 686483	3/25/2019 - G58 - (I.O.) 18 & 19-16N-8W X165:10-3-28(C)(2)(B) MSSP (YOST 1608 6H-18X) MAY BE CLOSER THAN 600' TO THE YOST 1608 1H-18X MAY BE CLOSER THAN 600' TO PROPOSED WELL 11/9/2018
LOCATION EXCEPTION - 687820	3/25/2019 - G58 - (I.O.) 18 & 19-16N-8W X614033 MSSP, WDFD COMPL. INT. 19-16N-8W NCT 0' FNL, NCT 165' FSL, NCT 660' FEL COMPL. INT. 18-16N-8W NCT 0' FSL, NCT 165' FNL, NCT 660' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 12/6/2018
MEMO	3/1/2019 - 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 - 614033	3/25/2019 - G58 - (640)(HOR) 18 & 19-16N-8W VAC 42491 MCSTR VAC 83896 MISS, MNNG VAC 131715 MSSNC, MNNG (SEC 18) VAC 195139 MSSNC, MNNG, WDFD (SEC 18) EST MSSP, WDFD POE TO BHL (MSSP)NCT 660' FB POE TO BHL (WDFD) NCT 165 FNL/FSL, NCT 330' FEL/FWL (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)
SPACING - 687619	3/25/2019 - G58 - (I.O.) 18 & 19-16N-8W EST MULTIUNIT HORIZONTAL WELL X614033 MSSP, WDFD (WDFD IS ADJACENT CSS TO MSSP) 50% 18-16N-8W 50% 19-16N-8W NEWFIELD EXPLORATION MID-CONTINENT INC. 12/6/2018

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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: YOST 1608 6H-18X

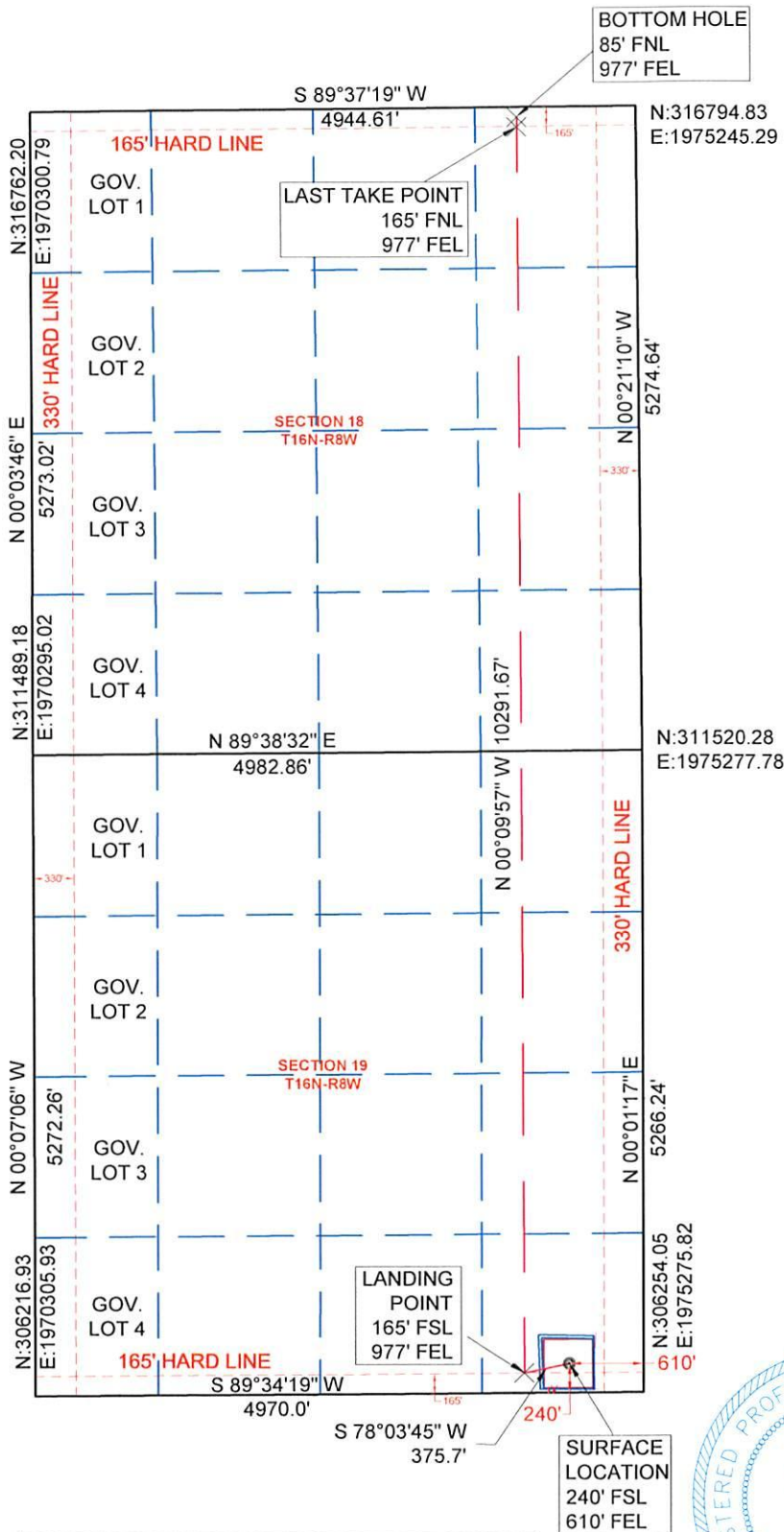
Section 19 Township 16 N Range 8 W , I.B.M., County of Kingfisher, State of Oklahoma

Elevation 1108' GROUND YES

Original Location: 240'FSL - 610'FEL

Distance & Direction From Nearest Town: 8.7 miles West of Kingfisher.

073-26522



SURFACE LOCATION

DATUM: NAD27

LAT: 35° 50' 31.04\"N

LONG: 98° 05' 07.71\"W

LAT: 35.841956°N

LONG: 98.085474°W

STATE PLANE

COORDINATES: (US SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 306489.42

X (E): 1974665.88

DATUM: NAD83

LAT: 35° 50' 31.20\"N

LONG: 98° 05' 08.92\"W

LAT: 35.841999°N

LONG: 98.085810°W

STATE PLANE

COORDINATES: (US SURVEY FEET)

ZONE: NORTH ZONE

Y (N): 306513.14

X (E): 1943066.8

DATA DERIVED FROM

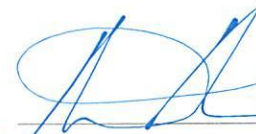
G.P.S. WITH O.P.U.S.

DATA.

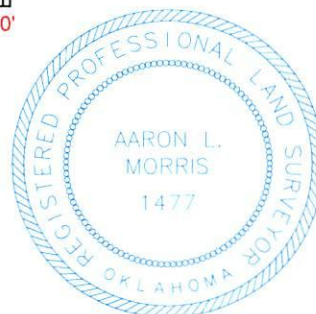
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

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.

 3/25/2019

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.	
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PROJECT NUMBER: 18368	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 08/16/2018
	DRAWING DATE: 09/26/2018