API NUMBER: 073 26606 **OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

Approval Date: 07/25/2019 01/25/2021 Expiration Date:

Horizontal Hole Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION:	Sec:	30 T	wp: 17	7N	Rge:	9W	County:	KING	FISHER		
SPOT LOCATION:	NE	NE	NW		NW		FEET FROM QUARTER:	FROM	NORTH	FROM	WEST
							SECTION LINES:		290		1108
Lease Name: CHANNEL					We	II No:	1709 4H-3	0X			

NEWFIELD EXPLORATION MID-CON INC Operator

Telephone: 2812105100; 9188781

OTC/OCC Number: 20944 0

Well will be 290 feet from nearest unit or lease boundary.

NEWFIELD EXPLORATION MID-CON INC 4 WATERWAY AVE STE 100

THE WOODLANDS. TX 77380-2764 LESLIE EARL GLAZIER AND ONA GAY GLAZIER

5692 E 720 RD

LOYAL OK 73756

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

	Name	Depth	Name	Dept	h
1	MISSISSIPPIAN (LESS CHESTER)	8907	6		
2	WOODFORD	9500	7		
3			8		
4			9		
5			10		
Spacing Orders:	694804	Location Exception Orders:	694252	Increased Density Orders:	691369
	659118		694805		691370
	647819				

Pending CD Numbers:

Total Depth: 19641

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

Surface Casing: 1500

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Ground Elevation: 1252

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?

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36532 E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

Special Orders:

Depth to base of Treatable Water-Bearing FM: 220

H. SEE MEMO

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 31 Twp 17N Rge 9W County KINGFISHER

Spot Location of End Point: SE SE SE SW
Feet From: SOUTH 1/4 Section Line: 85
Feet From: WEST 1/4 Section Line: 2351

Depth of Deviation: 8407 Radius of Turn: 595 Direction: 172

Total Length: 10299

Measured Total Depth: 19641

True Vertical Depth: 9500

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

Notes:

Category Description

DEEP SURFACE CASING 7/24/2019 - 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

EXCEPTION TO RULE - 694252 7/25/2019 - G56 - (I.O.) 30 & 31-17N-9W

X165:10-3-28(C)(2)(B) MSNLC MAY BE CLOSER THAN 600' TO CHANNEL 1H-30X, FREDA 2-30, EILEEN 1-30, WHITNEY 1-30, ERMA 1-31, RENNER 31-1, CHANNEL 1-31, RENNER 2-31 AND/OR

PROPOSED WELLS

NEWFIELD EXPLOR. MID-CONTINENT INC.

4/8/2019

HYDRAULIC FRACTURING 7/24/2019 - 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 - 691369 7/25/2019 - G56 - 30-17N-9W

X659118 MSNLC

6 WELLS

NEWFIELD EXPLOR. MID-CONTINENT INC.

2/13/2019

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.

073 26606 CHANNEL 1709 4H-30X

Category Description

SPACING - 647819

INCREASED DENSITY - 691370 7/25/2019 - G56 - 31-17N-9W

X647819 MSNLC

6 WELLS

NEWFIELD EXPLOR. MID-CONTINENT INC.

2/13/2019

LOCATION EXCEPTION - 694805 7/25/2019 - G56 - (I.O.) 30 & 31-17N-9W

X659118 MSNLC, WDFD 30-17N-9W X647819 MSNLC, WDFD 31-17N-9W

COMPL INT (30-17N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1980' FEL

COMPL INT (31-17N-9W) NCT 0' FNL, NCT 165' FSL, NCT 1980' FEL NEWFIELD EXPLOR. MID-

CONTINENT INC.

4/17/2019

7/24/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, **MEMO**

WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM & WBM CUTTINGS

WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W),

CANADIAN CO, PIT 2 - OBM TO VENDOR

7/25/2019 - G56 - (640)(HOR) 31-17N-9W

EST OTHER

EXT 639140/640131/644146 MSNLC EXT 639140/640131 WDFD COMPL INT (MSNLC) NLT 660' FB

COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL

(COEXIST WITH SP # 96050 MNNG, MSSSD)

SPACING - 659118 7/25/2019 - G56 - (640)(HOR) 30-17N-9W

EST OTHER

EXT 643256/645603/645331 MSNLC, WDFD

COMPL INT (MSNLC) NCT 660' FB

COMPL INT (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH SP # 89104

MNNG, MSSSD, # 518552 WDFD)

SPACING - 694804 7/25/2019 - G56 - (I.O.) 30 & 31-17N-9W

ESTABLISH MULTIUNIT HORIZONTAL WELL

X659118 MSNLC, WDFD 30-17N-9W X647819 MSNLC, WDFD 31-17N-9W

(WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC)

50% 30-17N-9W

50% 31-17N-9W NEWFIELD EXPLOR. MID-CONTINENT INC.

4/17/2019

PERMIT PLAT

PROJECT NUMBER

SHEET: 6 OF 9

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: CHANNEL 1709 4H-30X

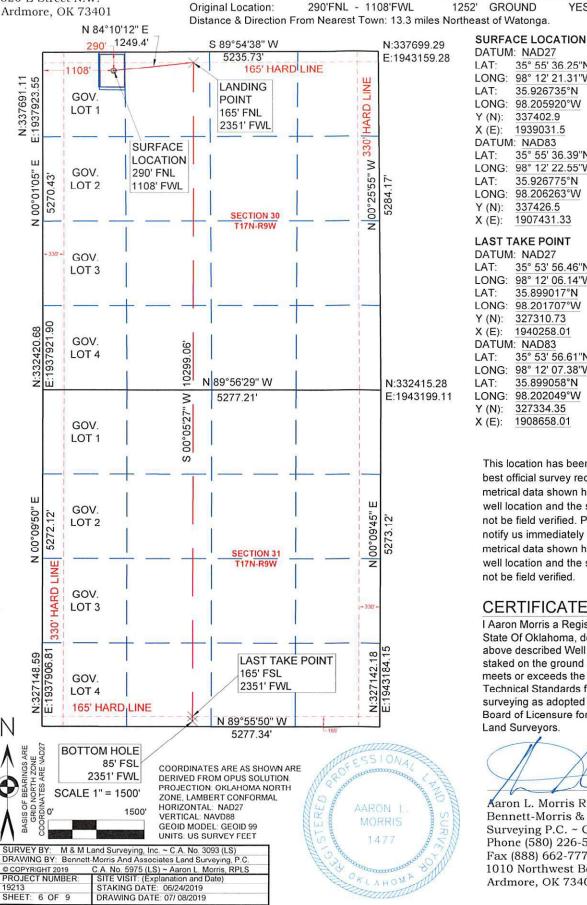
Section 30 Township 17 N Range 9 W , I.B.M, County of Kingfisher, State of Oklahoma

Elevation

Good Location? YES

Distance & Direction From Nearest Town: 13.3 miles Northeast of Watonga

KLAHOMP



SUKFA	CE LUCATION	LANDII	NG POINT
DATUM	1: NAD27	DATUM	1: NAD27
LAT:	35° 55' 36.25"N	LAT:	35° 55' 37.53"N
LONG:	98° 12' 21.31"W	LONG:	98° 12' 06.20"W
LAT:	35.926735°N	LAT:	35.927091°N
LONG:	98.205920°W	LONG:	98.201723°W
Y (N):	337402.9	Y (N):	337529.81
X (E):	1939031.5	X (E):	1940274.37
DATUN	1: NAD83	DATUN	1: NAD83
LAT:	35° 55' 36.39"N	LAT:	35° 55' 37.67"N
LONG:	98° 12' 22.55"W	LONG:	98° 12' 07.44"W
LAT:	35.926775°N	LAT:	35.927131°N
LONG:	98.206263°W	LONG:	98.202066°W
Y (N):	337426.5	Y (N):	337553.41
X (E):	1907431.33	X (E):	1908674.22

LANDING DOINT

LAST TAKE POINT **BOTTOM HOLE** DATUM: NAD27 DATUM: NAD27 35° 53' 56.46"N 35° 53' 55.67"N LAT: LONG: 98° 12' 06.14"W LONG: 98° 12' 06.14"W 35.899017°N LAT: 35.898797°N LONG: 98.201707°W LONG: 98.201707°W 327310.73 Y (N): 327230.73 1940258.01 X (E): 1940257.88 DATUM: NAD83 DATUM: NAD83 35° 53' 56.61"N 35° 53' 55.82"N LAT: LONG: 98° 12' 07.38"W LONG: 98° 12' 07.38"W 35.899058°N 35.898838°N LAT: LONG: 98.202049°W LONG: 98.202049°W 327334.35 Y (N): 327254.35 1908658.01 X (E): 1908657.88

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.

7/15/2019

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