

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

API NUMBER: 073 26181

Approval Date: 08/01/2018

Expiration Date: 02/01/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 15N Rge: 7W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 345 2350

Lease Name: LUCKY DOG

Well No: 1507 5H-19

Well will be 345 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

DIANE L. MACE
18275 STROH AVENUE
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8525	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 678038

Location Exception Orders: 679294

Increased Density Orders: 679402

Pending CD Numbers: 201801851

Special Orders:

Total Depth: 14051

Ground Elevation: 1201

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 370

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

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 BED AQUIFER

Pit Location Formation: DUNCAN

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: DUNCAN

HORIZONTAL HOLE 1

Sec 19 Twp 15N Rge 7W 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: 2317

Depth of Deviation: 8419

Radius of Turn: 382

Direction: 190

Total Length: 5032

Measured Total Depth: 14051

True Vertical Depth: 8816

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

Notes:

Category

Description

DEEP SURFACE CASING

7/31/2018 - 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

7/31/2018 - 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

INCREASED DENSITY - 679402

8/1/2018 - G57 - (I.O.) 19-15N-7W
X678038 MSNLC
8 WELLS
NEWFIELD EXPLORATION MID-CONTINENT, INC.
6-20-2018

LOCATION EXCEPTION - 679294

8/1/2018 - G57 - (I.O.) 19-15N-7W
X678038 MSNLC
X165:10-3-28(C)(2)(B) MSNLC (LUCKY DOG 1507 5H-19) MAY BE CLOSER THAN 600' TO ANOTHER WELLBORE
NEWFIELD EXPLORATION MID-CONTINENT INC.
6-15-2018

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

073 26181 LUCKY DOG 1507 5H-19

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
MEMO	7/31/2018 - 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 2 - OBM TO VENDOR
PENDING CD - 201801851	8/1/2018 - G57 - (I.O.) 19-15N-7W X678038 MSNLC COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1980' FWL NO OP. NAMED REC 3-28-2018 (THOMAS)
SPACING - 678038	8/1/2018 - G57 - (640)(HOR) 19-15N-7W VAC 244339 MSSLM EXT 659332 MSNLC POE TO BHL NCT 660' FB

PERMIT PLAT

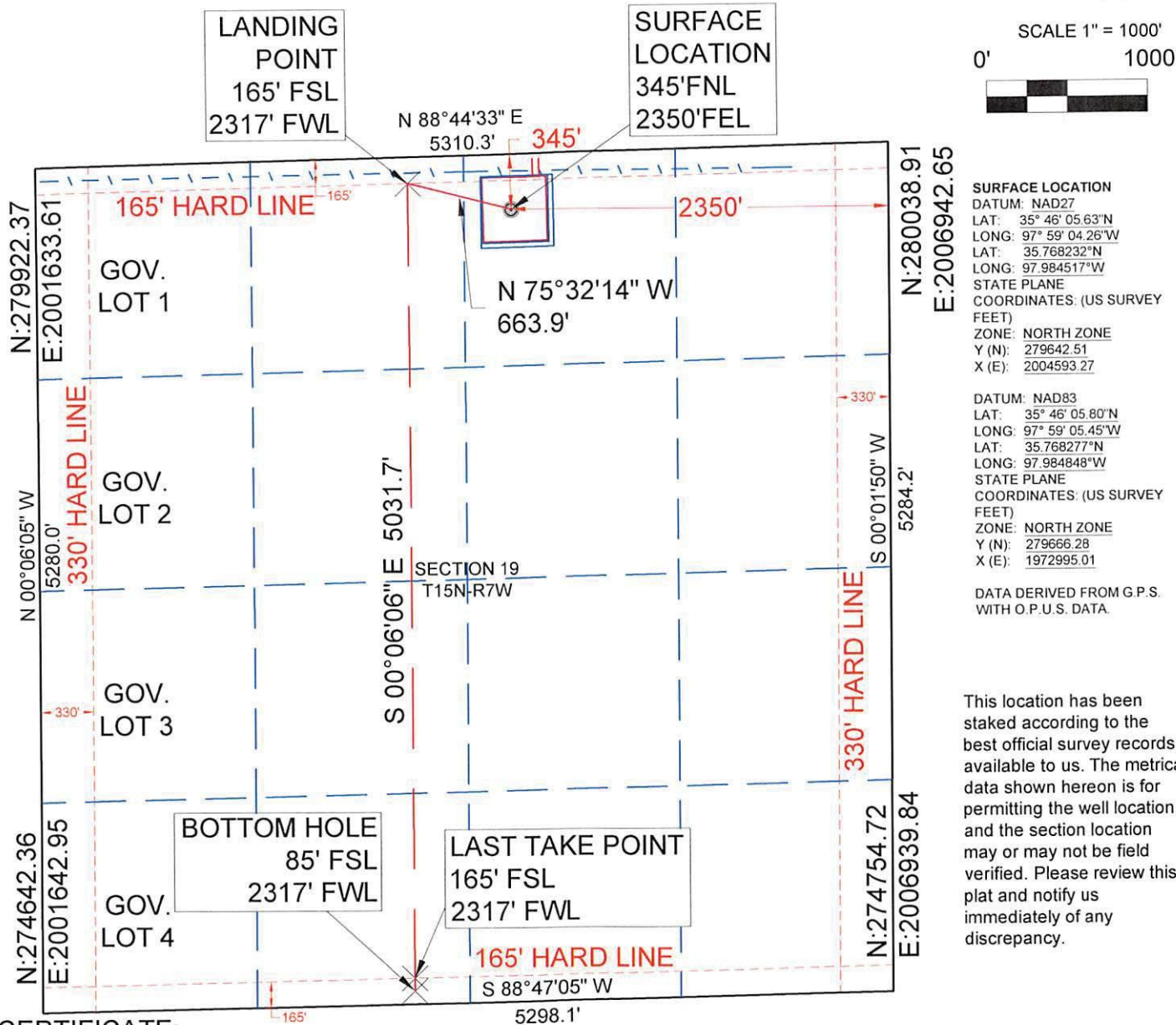
M & M Land Surveying, Inc.
Phone (580) 226-0446
520 E Street N.W.
Ardmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.
Lease Name: LUCKY DOG 1507 5H-19

Section 19 Township 15 N Range 7 W, I.B.M., County of Kingfisher, State of Oklahoma
Elevation Good Location? YES
Original Location: 345'FNL - 2350'FEL 1201' GROUND
Distance & Direction From Nearest Town: 3.0 miles North of Okarche



SCALE 1" = 1000'
0' 1000'



SURFACE LOCATION
DATUM: NAD27
LAT: 35° 46' 05.63"N
LONG: 97° 59' 04.26"W
LAT: 35.768232°N
LONG: 97.984517°W
STATE PLANE
COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 279642.51
X (E): 2004593.27

DATUM: NAD83
LAT: 35° 46' 05.80"N
LONG: 97° 59' 05.45"W
LAT: 35.768277°N
LONG: 97.984848°W
STATE PLANE
COORDINATES: (US SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 279666.28
X (E): 1972995.01

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.

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: 18280	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 01/26/2018
	DRAWING DATE: 07/23/2018



[Signature] 07/29/2018

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