

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

API NUMBER: 043 23682

Approval Date: 01/17/2019

Expiration Date: 07/17/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 19N Rge: 14W

County: DEWEY

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 245 1740

Lease Name: PADBERG FED 1914

Well No: 1H-29

Well will be 245 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

POLLOCK LAND & CATTLE
P.O. BOX 206
TALOGA OK 73667

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	9564	6
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671218

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808436

Special Orders:

Total Depth: 14742

Ground Elevation: 1740

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: Yes

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: 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? 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: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35717

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 29 Twp 19N Rge 14W County DEWEY

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 9119

Radius of Turn: 382

Direction: 185

Total Length: 5023

Measured Total Depth: 14742

True Vertical Depth: 9746

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/13/2018 - 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

INTERMEDIATE CASING

12/13/2018 - 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

MEMO

1/17/2019 - G75 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM SOIL-FARMED; WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498); PIT 2 - OBM TO VENDOR

PENDING CD - 201808436

1/17/2019 - G75 - (I.O.) 29-19N-14W
X671218 MSNLC
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 600' FWL
NO OP. NAMED
REC 11-5-2018 (DUNN)

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

043 23682 PADBERG FED 1914 1H-29

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

SPACING - 671218

1/17/2019 - G75 - (640)(HOR) 29-19N-14W
EXT 660422 MSNLC, OTHER
COMPL. INT. NLT 660' FB
(COEXIST SP. ORDER # 222494 MSSSD)

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.

API 043-23682

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: PADBERG FED 1914 1H-29

Section 29 Township 19 N Range 14 W, I.B.M., County of Dewey, State of Oklahoma

Elevation Good Location?

Original Location: 245'FNL - 1740'FWL 1740' GROUND YES

Distance & Direction From Nearest Town: 8.0 miles Northwest of Canton



SCALE 1" = 1000'



SURFACE LOCATION
DATUM: NAD27
LAT: 36° 06' 02.50"N
LONG: 98° 43' 09.17"W
LAT: 36.100696°N
LONG: 98.719215°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 401448.81
X (E): 1787526.63

DATUM: NAD83
LAT: 36° 06' 02.65"N
LONG: 98° 43' 10.49"W
LAT: 36.100736°N
LONG: 98.719581°W
STATE PLANE
COORDINATES: (US
SURVEY FEET)
ZONE: NORTH ZONE
Y (N): 401474.74
X (E): 1755923.7

DATA DERIVED FROM
G.P.S. WITH O.P.U.S.
DATA.

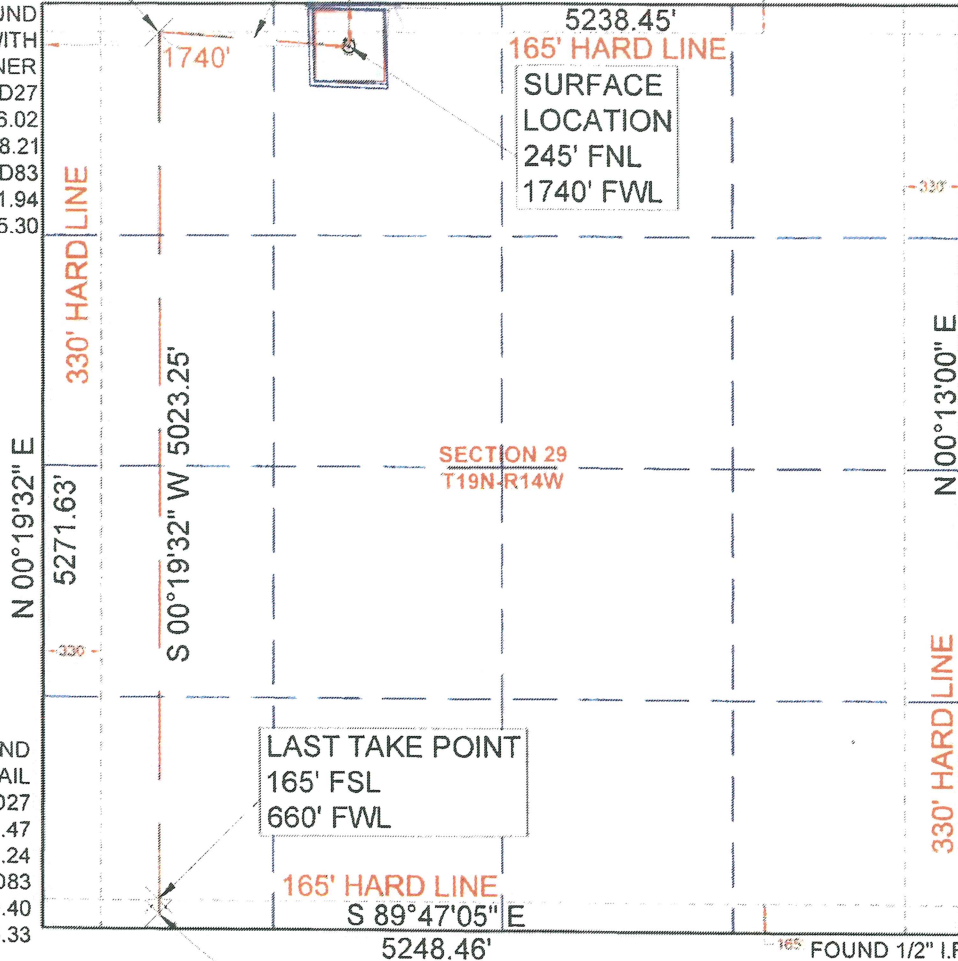
This location has been
staked according to the
best official survey records
available to us. The
metrical data shown
hereon is for permitting the
well location and the
section location may or
may not be field verified.
Please review this plat and
notify us immediately of
any discrepancy.

LANDING
POINT
165' FNL
660' FWL

N 85°41'20" W
1082.38'

FOUND 1/2" I.R.
NAD27
N:401689.23
E:1791026.65
NAD83
N:401715.16
E:1759423.74

FOUND
P.K. NAIL WITH
SHINER
NAD27
N:401696.02
E:1785788.21
NAD83
N:401721.94
E:1754185.30



FOUND
60D NAIL
NAD27
N:396424.47
E:1785758.24
NAD83
N:396450.40
E:1754155.33

LAST TAKE POINT
165' FSL
660' FWL

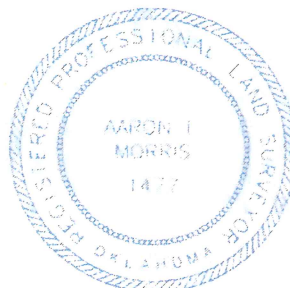
BOTTOM HOLE
85' FSL
660' FWL

FOUND 1/2" I.R.
NAD27
N:396404.75
E:1791006.66
NAD83
N:396430.68
E:1759403.75

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 2018	C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS
PROJECT NUMBER	SITE VISIT (Explanation and Date)
18412	STAKING DATE 09/17/2018
SHEET 6 OF 12	DRAWING DATE 10/04/2018



[Signature] 10/09/2018

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