

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

API NUMBER: 073 25939

Approval Date: 02/26/2018
Expiration Date: 08/26/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 17N Rge: 9W County: KINGFISHER
SPOT LOCATION: SW SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 275 2220

Lease Name: WAITS Well No: 1709 4H-28X Well will be 275 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

J.R. (JERRY) & LULA MAE BARTON
PO BOX 586
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	8677	6	
2 WOODFORD	9267	7	
3		8	
4		9	
5		10	

Spacing Orders: 643976

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800421
201800422
201800486
201800413
201800412

Special Orders:

Total Depth: 19535 Ground Elevation: 1219 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 310

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

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 27 Twn. 17N Rng. 9W Cnty. 73 Order No: 659856

G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741

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: 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 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

PIT 3 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 33 Twp 17N Rge 9W County KINGFISHER

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2164

Depth of Deviation: 8265

Radius of Turn: 573

Direction: 178

Total Length: 10369

Measured Total Depth: 19535

True Vertical Depth: 9267

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

2/16/2018 - 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

Category	Description
HYDRAULIC FRACTURING	2/16/2018 - 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
MEMO	2/16/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS; PIT 2 - TRANSFERRED TO BACKYARD ENERGY SERVICES 659856 (27-17N-9W, KINGFISHER CO); PIT 3 - TRANSFERRED TO BACKYARD ENERGY SERVICES 647741 (22-16N-9W), KINGFISHER CO); OBM TO VENDOR
PENDING CD - 201800412	2/20/2018 - G57 - (I.O.) 28-17N-9W X643976 MSNLC 5 WELLS NO OP. NAMED REC 2-5-2018 (NORRIS)
PENDING CD - 201800413	2/20/2018 - G57 - (I.O.) 33-17N-9W X643976 MSNLC 5 WELLS NO OP. NAMED REC 2-5-2018 (NORRIS)
PENDING CD - 201800421	2/20/2018 - G57 - (I.O.) 28 & 33-17N-9W EST MULTIUNIT HORIZONTAL WELL X643976 MSNLC, WDFD (WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC) 50% 28-17N-9W 50% 33-17N-9W NEWFIELD EXPLORATION MID-CONTINENT, INC. REC 2-5-2018 (NORRIS)
PENDING CD - 201800422	2/20/2018 - G57 - (I.O.) 28 & 33-17N-9W X643976 MSNLC, WDFD SHL SE4 33 ** COMPL. INT. (28-17N-9W) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL COMPL. INT. (33-17N-9W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FEL NO OP. NAMED REC 2-5-2018 (NORRIS)
PENDING CD - 201800486	**SHL SW4 33 S/B SW4 21; WILL BE CORRECTED AT THE HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR 2/20/2018 - G57 - (I.O.) 28 & 33-17N-9W X643976 MSNLC, WDFD X165:10-3-28(C)(2)(B) MSNLC (WAITS 1709 4H-28X) MAY BE CLOSER THAN 600' FROM EXISTING WELLBORE NEWFIELD EXPLORATION MID-CONTINENT, INC. REC 2-5-2018 (NORRIS)
SPACING - 643976	2/20/2018 - G57 - (640)(HOR) 28 & 33-17N-9W X639140 MSNLC, WDFD POE TO BHL (MSNLC) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 165' FEL & FWL (COEXIST WITH SP. ORDER # 83337 MSSSD, MNNG, MSSNC & SP. ORDER #88292/88519 MSSSD, MNNG, MSSNC)

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.

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: **WAITS 1709 4H 28X**
 Section 21 Township 17 N Range 9 W ,I.B.M,
 County of Kingfisher, State of Oklahoma

Good Location? **YES**
 Original Location: 275'FSL - 2220'FWL Elevation 1219' GROUND
 Distance & Direction From Nearest Town: 14.0 miles Northwest of Kingfisher

SURFACE LOCATION

DATUM: NAD27
 LAT: 35° 55' 42.15"N
 LONG: 98° 09' 59.99"W
 LAT: 35.928376°N
 LONG: 98.166664°W
 STATE PLANE
 COORDINATES: (US SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 337977.76
 X (E): 1950655.4

DATUM: NAD83
 LAT: 35° 55' 42.30"N
 LONG: 98° 10' 01.22"W
 LAT: 35.928416°N
 LONG: 98.167006°W
 STATE PLANE
 COORDINATES: (US SURVEY FEET)
 ZONE: NORTH ZONE
 Y (N): 338001.39
 X (E): 1919055.43

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

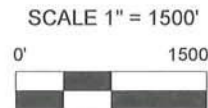
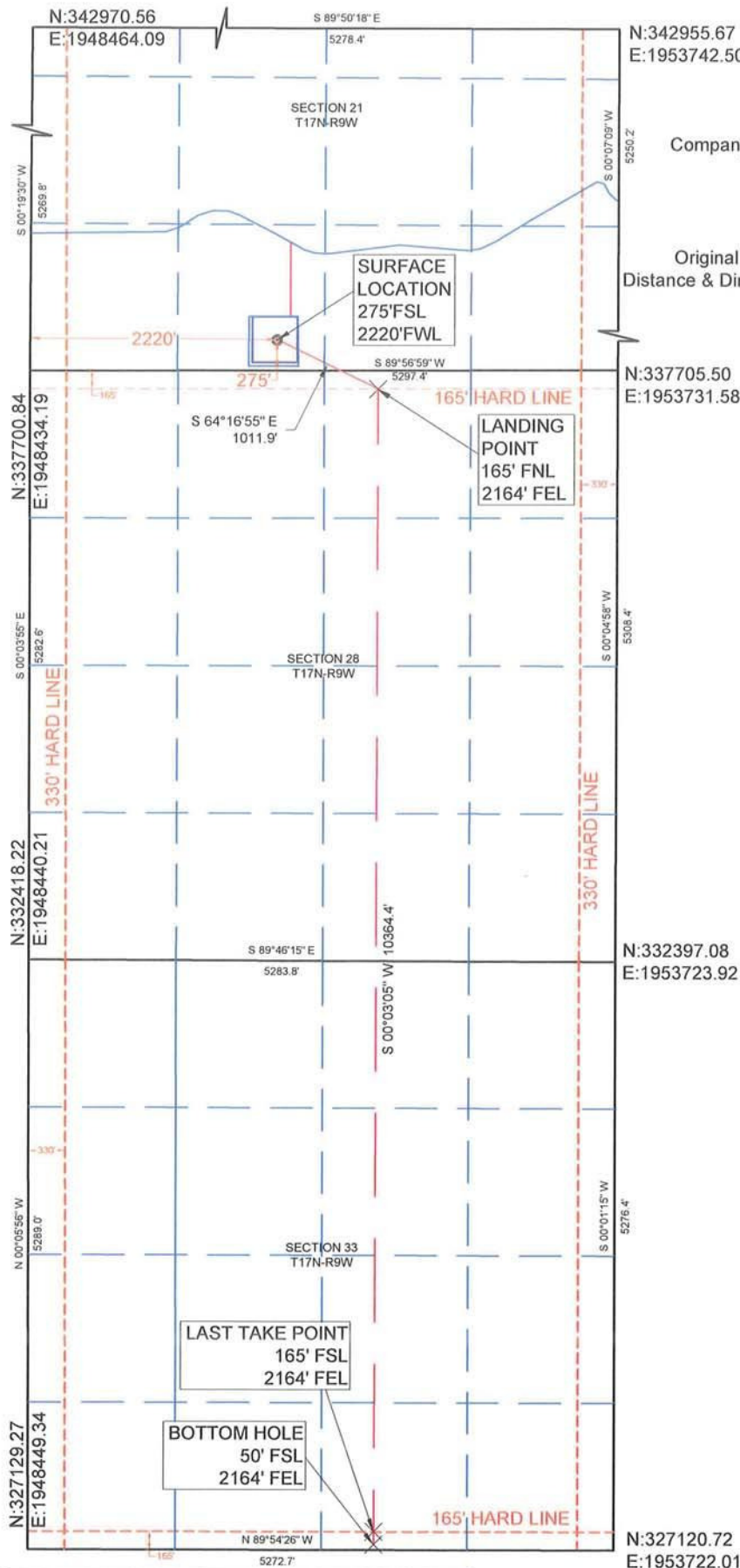
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

CERTIFICATE:

I D. Harry McClintick 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.



D. Harry McClintick
 D. Harry McClintick
 PLS. No.1367 CFEDS



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: 17532	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 12/14/2017
	DRAWING DATE: 01/02/2018