

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

API NUMBER: 087 22122 A

Approval Date: 03/27/2018
Expiration Date: 09/27/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND SHL & LAT & WELL NUMBER & ADD SOIL
FARM # AND CHANGE METHOD OF DISPOSAL (MEMO)

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 7N Rge: 4W County: MCCLAIN
SPOT LOCATION: ☐ SE ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 540 890

Lease Name: HILL Well No: 0704 1H-10X Well will be 540 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

CAROLYN MAYFIELD HILL
PO BOX 345
DIBBLE OK 73031

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9960	6	
2	WOODFORD	10100	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706845
201706846

Special Orders:

Total Depth: 20428 Ground Elevation: 1276 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 420

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: ON SITE
Type of Mud System: AIR

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34446
H. SEE MEMO

Is depth to top of ground water greater than 10ft below base of pit? Y

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

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 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

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: DUNCAN

HORIZONTAL HOLE 1

Sec 10 Twp 7N Rge 4W County MCCLAIN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 9373

Radius of Turn: 300

Direction: 10

Total Length: 10584

Measured Total Depth: 20428

True Vertical Depth: 10147

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

3/16/2018 - 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

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.

087 22122 HILL 0704 1H-10X

Category	Description
HYDRAULIC FRACTURING	<p>3/16/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
MEMO	<p>5/3/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM WILL BE SOIL FARMED, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201706844	<p>3/27/2018 - G58 - (640)(HOR) 10 & 15-7N-4W EXT 651280 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 593686, WDFD) REC 3/7/2018 (DUNN)</p>
PENDING CD - 201706845	<p>3/27/2018 - G58 - (I.O.) 10 & 15-7N-4W EST MULTIUNIT HORIZONTAL WELL X201706844 MSSP, WDFD (10 & 15-7N-4W) (WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 10-7N-4W 50% 15-7N-4W NO OP. NAMED REC 3/7/2018 (DUNN)</p>
PENDING CD - 201706846	<p>3/27/2018 - G58 - (I.O.) 10 & 15-7N-4W X201706844 MSSP, WDFD COMPL. INT. (15-7N-4W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL COMPL. INT. (10-7N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 3/7/2018 (DUNN)</p>

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

087-22122

M & M Land Surveying, Inc.

Phone (580) 226-0446

520 E Street N.W.

Ardenmore, OK 73401

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: HILL 1H 10X

Section 21 Township 7 N Range 4 W , I.B.M.

County of McClain, State of Oklahoma

Good Location? YES

Original Location: 540'FNL - 890'FEL Elevation 1276' GROUND

Distance & Direction From Nearest Town: 5.0 miles Southeast of Blanchard.

SURFACE LOCATION

DATUM: NAD27

LAT: 35° 04' 18.44"N

LONG: 97° 37' 13.50"W

LAT: 35.071789°N

LONG: 97.620417°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 632869.07

X (E): 2113585.28

DATUM: NAD83

LAT: 35° 04' 18.68"N

LONG: 97° 37' 14.63"W

LAT: 35.071857°N

LONG: 97.620731°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 632911.51

X (E): 2081988.69

DATA DERIVED FROM

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

DATA.

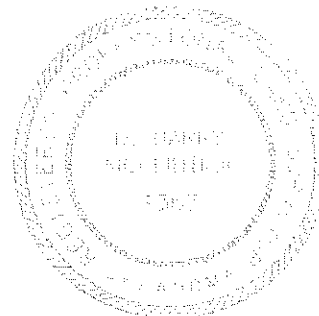
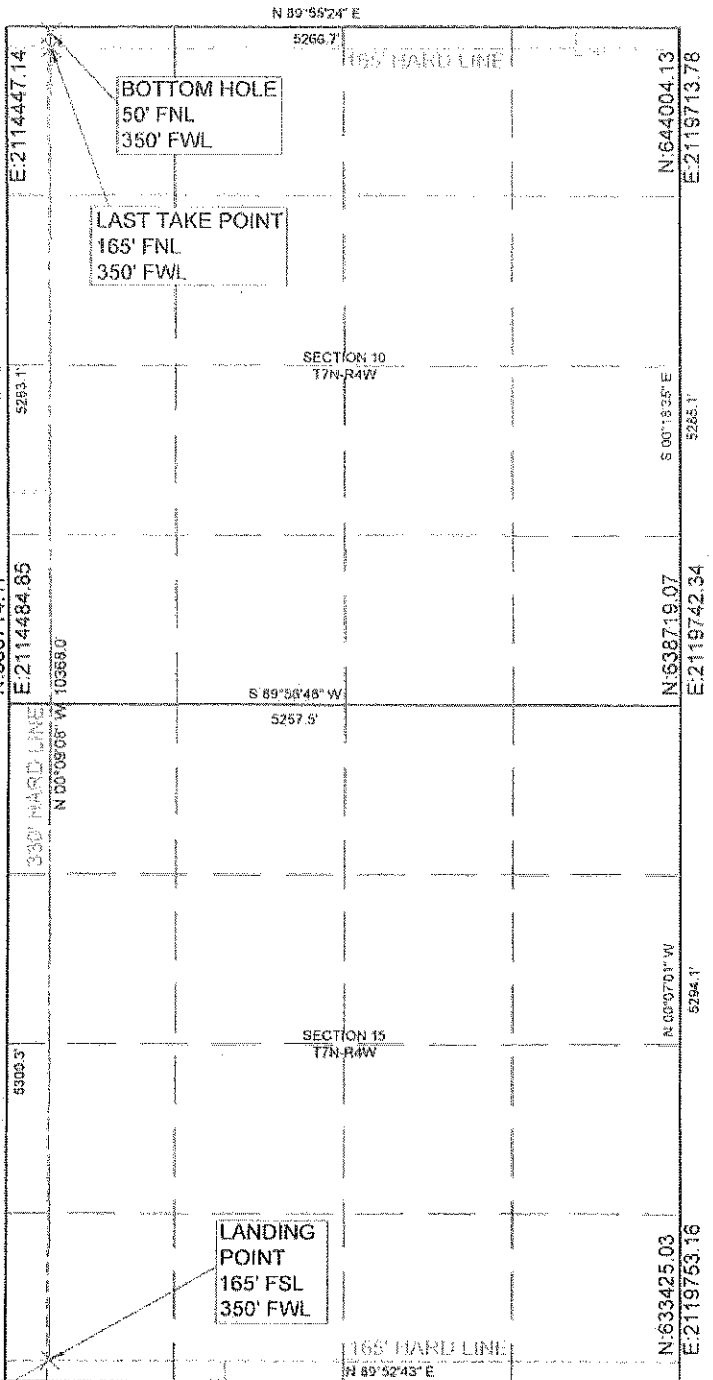
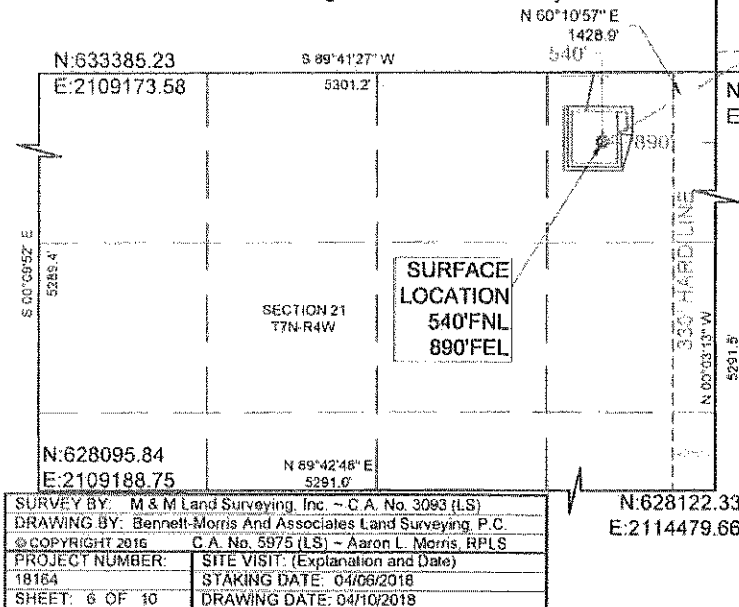
SCALE 1" = 1500'



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 4/12/18
D. Harry McClintick
PLS. No.1367 CFEDS