

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

API NUMBER: 073 26658 A

Approval Date: 12/26/2019
Expiration Date: 06/26/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: BHL CHANGE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 16N Rge: 8W

County: KINGFISHER

SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 305 900

Lease Name: MAYBEL FIU 1608

Well No: 7H-13X

Well will be 305 feet from nearest unit or lease boundary.

Operator NEWFIELD EXPLORATION MID-CON INC
Name:

Telephone: 2812105100; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

MARGARET C. KELLOGG
106 E. SKYVIEW ROAD
AUSTIN TX 78752

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8272	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 638049
691707

Location Exception Orders: 691708
691709

Increased Density Orders: 689948
689875

Pending CD Numbers:

Special Orders:

Total Depth: 18604

Ground Elevation: 1078

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 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: CEDAR HILLS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-37169

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 18 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: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 13 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 620

Depth of Deviation: 7845

Radius of Turn: 483

Direction: 360

Total Length: 10260

Measured Total Depth: 18604

True Vertical Depth: 8272

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

Notes:

Category

Description

DEEP SURFACE CASING

12/19/2019 - 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 - 691709 (201809365)

12/26/2019 - GC2 - (I.O.) 13 & 24-16N-8W
X165:10-3-28(C)(2)(B) MSSP (MAYBEL FIU 1608 7H-13X)
MAY BE CLOSER THAN 600' TO MAYBEL FIU 1608 2H-13X, MAYBEL FIU 1608 3H-13X, MAYBEL FIU 1608 4H-13X, MAYBEL FED 1608 5H-13X, MAYBEL FIU 1608 6H-13X, MAYBEL 1H-13X, AND SARAH LOVE 1
NO OP. NAMED
2-20-2019

HYDRAULIC FRACTURING

12/19/2019 - 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: OCCWEB.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 - 689875 (201809350)

12/26/2019 - GC2 - 24-16N-8W
X638049 MSSP
6 WELLS
NEWFIELD EXPLORATION MID-CONTINENT INC
1-16-2019

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

The duration of this permit is 18 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 26658 MAYBEL FIU 1608 7H-13X

INCREASED DENSITY - 689948 (201809349)	12/26/2019 - GC2 - 13-16N-8W X638049 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC 1-17-2019
INTERMEDIATE CASING	12/19/2019 - 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
LOCATION EXCEPTION - 691708 (201809364)	12/26/2019 - GC2 - (I.O.) 13 & 24-16N-8W X638049 MSSP, OTHER COMPL. INT. (24-16N-8W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (13-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NEWFIELD EXPLORATION MID-CONTINENT INC 2-20-2019
MEMO	12/19/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 638049	12/26/2019 - GC2 - (640)(HOR) 13 & 24-16N-8W VAC 240846 MSSLM VAC 41819 MSCST EXT 622633 MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB (COEXIST CONCURRENTLY PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNIT FOR MSCST)
SPACING - 691707 (201809363)	12/26/2019 - GC2 - (I.O.) 13 & 24-16N-8W EST MULTIUNIT HORIZONTAL WELL X638049 MSSP, OTHER 50% 13-16N-8W 50% 24-16N-8W NEWFIELD EXPLORATION MID-CONTINENT INC 2-20-2019

TOPOGRAPHIC LAND SURVEYORS

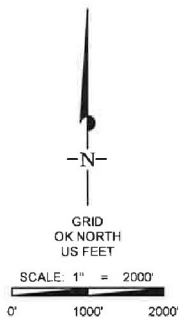
13800 Wireless Way, Okla. City, OK 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

API: 073-26658A

KINGFISHER

COUNTY, OKLAHOMA

305' FSL - 900' FWL SECTION 24 TOWNSHIP 16N RANGE 8W I.M.



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
- ALL BEARINGS SHOWN ARE GRID, NAD-83, OKLAHOMA NORTH.
- LANDING POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY CLIENT LISTED, NOT SURVEYED.

SURFACE LOCATION

DATUM: NAD-27

LAT: 35°50'32.7" N

LONG: 98°00'33.9" W

LAT: 35.842422° N

LONG: 98.009405° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1997212

Y: 306648

DATUM: NAD-83

LAT: 35°50'32.9" N

LONG: 98°00'35.1" W

LAT: 35.842464° N

LONG: 98.009738° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1996514

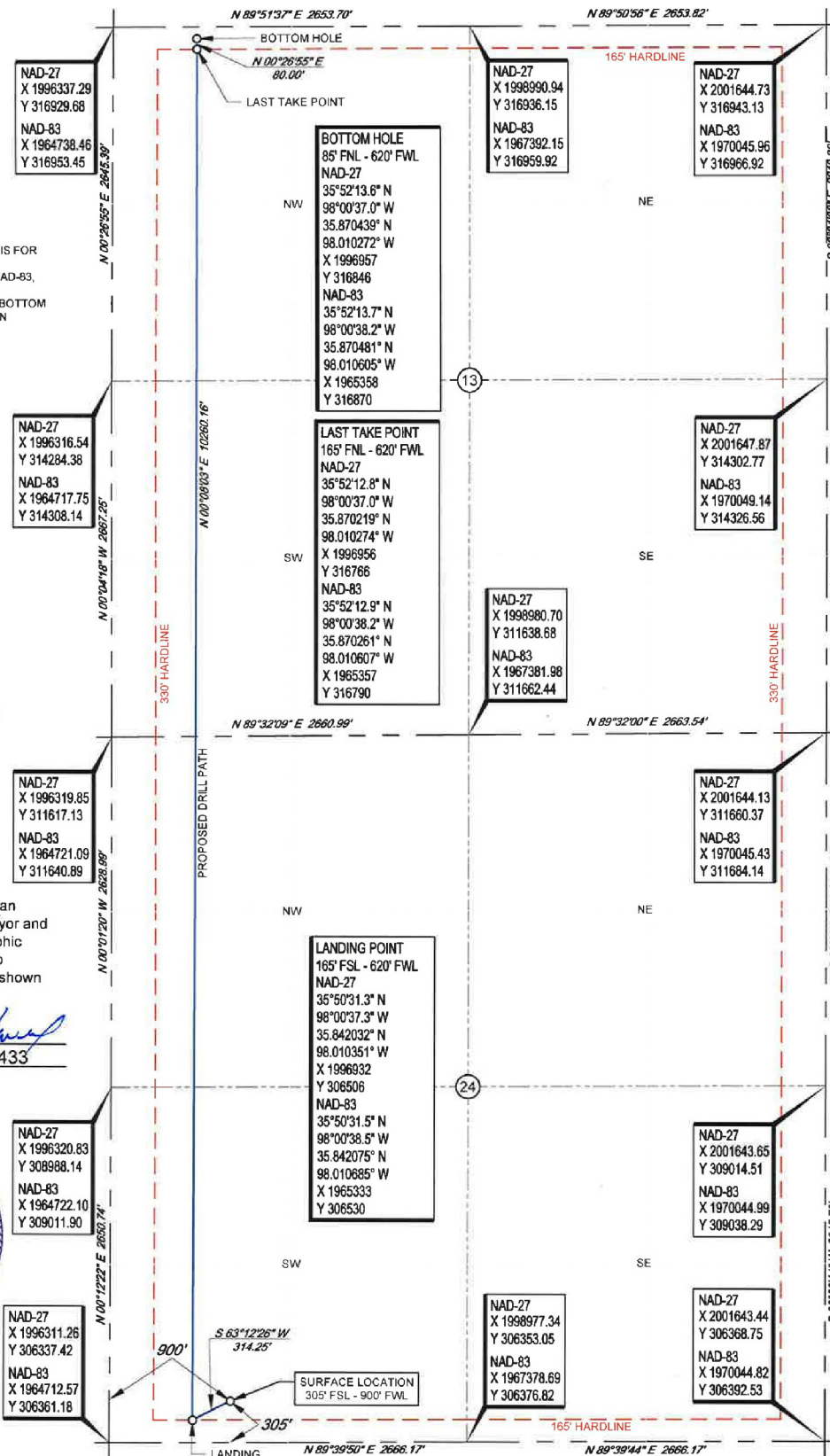
Y: 306671

(This information was gathered with a GPS receiver with ±1 foot Horiz/Vert. accuracy)

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
Oklahoma Reg. No. 1433



OPERATOR: NEWFIELD EXPLORATION MID-CON INC

LEASE NAME: MAYBEL FIU 1608 WELL NO: 7H-13X

TOPOGRAPHY & VEGETATION Location fell in terraced wheat field.

REFERENCE STAKES OR ALTERNATE LOCATION

STAKES SET: None

GOOD DRILL SITE? Yes

BEST ACCESSIBILITY TO LOCATION: From South off county road.

DISTANCE & DIRECTION: From Jct. US Hwy 81 & St. Hwy 33, go ±3.5 mi. West, then ±1.0 mi. South, then ±1.0 mi. West to the Southwest Corner of Section 24-T16N-R8W

ELEVATION:

1078' Gr. at Stake (NGVD29)

1080' Gr. at Stake (NAVD88)

PROJECT # 128214

DATE OF DRAWING: JANUARY 22, 2020

DATE STAKED: SEPTEMBER 18, 2019

DRAWN BY: EAH

REVISION: 0

FILE NAME: LO MAYBEL FIU 1608 7H-13X REV1