

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

API NUMBER: 073 26642

Approval Date: 11/27/2019  
Expiration Date: 05/27/2021

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 16N Rge: 9W County: KINGFISHER  
SPOT LOCATION:  NE  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 265 1510

Lease Name: ALAN 1609 Well No: 8H-13X Well will be 265 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2812105100; 9188781 OTC/OCC Number: 20944 0

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

ROBERT G. BOECKMAN, LLC  
5892 E. 790 RD.  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8675	6	
2 WOODFORD	9764	7	
3		8	
4		9	
5		10	

Spacing Orders: 636113 Location Exception Orders: 702274 Increased Density Orders: 701145  
702273 702275 701146

Pending CD Numbers:

Special Orders:

Total Depth: 19179 Ground Elevation: 1175 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 390

Deep surface casing has been approved

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

**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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37118
- 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 24 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 8294

Radius of Turn: 426

Direction: 169

Total Length: 10216

Measured Total Depth: 19179

True Vertical Depth: 9764

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

Notes:

Category

Description

DEEP SURFACE CASING

11/22/2019 - 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 - 702275

11/27/2019 - G56 - (I.O.) 13 & 24-16N-9W  
X165:10-3-28(C)(2)(B) MSNLC (ALAN 1609 8H-13X)  
MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL  
NEWFIELD EXPLOR. MID-CONT. INC.  
9/16/2019

HYDRAULIC FRACTURING

11/22/2019 - 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: [OCCEWEB.COM/OG/OGFORMS.HTML](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 701145

11/27/2019 - G56 - 13-16N-9W  
X636113 MSNLC  
1 WELL  
NEWFIELD EXPLOR. MID-CONT. INC.  
8/21/2019

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 26642 ALAN 1609 8H-13X

INCREASED DENSITY - 701146	11/27/2019 - G56 - 24-16N-9W X636113 MSNLC 1 WELL NEWFIELD EXPLOR. MID-CONT. INC. 8/21/2019
INTERMEDIATE CASING	11/22/2019 - 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 - 702274	11/27/2019 - G56 - (I.O.) 13 & 24-16N-9W X636113 MSNLC, WDFD COMPL. INT. (13-16N-9W) NCT 165' FNL, NCT 0' FSL, NCT 340' FEL COMPL. INT. (24-16N-9W) NCT 0' FNL, NCT 165' FSL, NCT 340' FEL NEWFIELD EXPLOR. MID-CONT. INC. 9/16/2019
MEMO	11/22/2019 - 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 - 636113	11/27/2019 - G56 - (640)(HOR) 13 & 24-16N-9W VAC 100728 MSSLM 24-16N-9W VAC 244336 MSSLM N2 & SE4 13-16N-9W VAC 244336/487716 MSSLM SW4 13-16N-9W EXT 631057 WDFD EST MSNLC POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 702273	11/27/2019 - G56 - (I.O.) 13 & 24-16N-9W EST MULTIUNIT HORIZONTAL WELL X636113 MSNLC, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC) 50% 13-16N-9W 50% 24-16N-9W NEWFIELD EXPLOR. MID-CONT. INC. 9/16/2019

073-26642

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

KINGFISHER

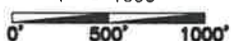
County, Oklahoma

265'FNL-1510'FEL Section 13 Township 16N Range 9W I.M.



GRID OK NORTH US Feet

SCALE: 1" = 1000'



NOTES:

- The information shown herein is for construction purposes ONLY.
- All bearings shown are Grid, NAD-27, 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°52'10.1"N  
 LONG: 98°06'19.2"W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1968791  
 Y: 3165010

DATUM: NAD-83  
 LAT: 35°52'10.2"N  
 LONG: 98°06'20.4"W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1937192  
 Y: 316534

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

CERTIFICATE:

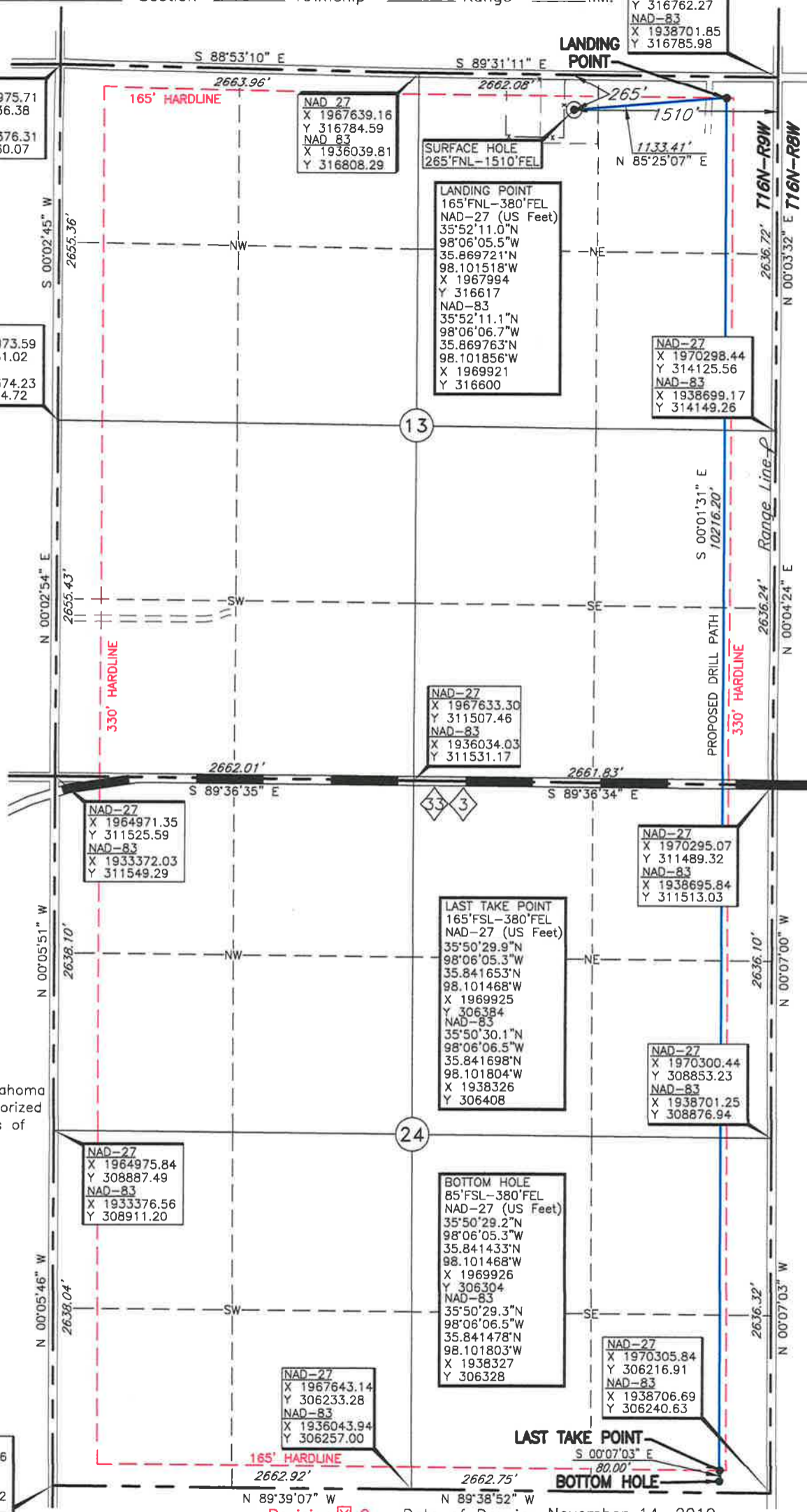
I, T. WAYNE FISCH an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

T. Wayne Fisch

Oklahoma Lic. No. 1378



NAD-27  
 X 1964980.26  
 Y 306249.46  
 NAD-83  
 X 1933381.02  
 Y 306273.16



Revision  2 Date of Drawing: November 14, 2019

Project # 128205 Date Staked: July 26, 2019 KH

Operator: NEWFIELD EXPLORATION MID-CON INC.

Lease Name: ALAN 1609

Well No.: 8H-13X

Topography & Vegetation Loc. fell in sloped field on East side of pad fence; ±251' SE of Existing Well

**ELEVATION:**  
 1175' Gr. at Stake (NGVD29)  
 1176' Gr. at Stake (NAVD88)

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From North off county road.

Distance & Direction

from Hwy Jct or Town From Jct. of US Hwy. 81 N-S and St. Hwy. 33 E-W, go ±9.7 mi. West on St. Hwy. 33, then ±1.0 mi. North to the NE Cor. of Sec. 13-T16N-R9W.