

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

API NUMBER: 073 26662

Approval Date: 01/24/2020

Expiration Date: 07/24/2021

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 15N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 445 1155

Lease Name: JUANITA FIU 1508

Well No: 2H-14X

Well will be 445 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

JUANITA M. KRITTENBRINK AND MICHAEL E.  
KRITTENBRINK  
28188 N. 2780 RD.  
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8811	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 631544  
695980

Location Exception Orders: 697865  
695984

Increased Density Orders: 702204  
702205

Pending CD Numbers:

Special Orders:

Total Depth: 19391

Ground Elevation: 1117

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 380

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 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 20-37210

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 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 14 Twp 15N Rge 8W County KINGFISHER

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1039

Depth of Deviation: 8423

Radius of Turn: 455

Direction: 359

Total Length: 10253

Measured Total Depth: 19391

True Vertical Depth: 9035

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

1/23/2020 - 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 - 695984 (201810500)

1/24/2020 - GB6 - (I.O.) 14 & 23 -15N-8W  
X165:10-3-28(C)(2)(B) MSSP (JUANITA FIU 1508 2H-14X)  
MAY BE CLOSER THAN 600' TO EXISTING WELLS JUANITA 1H-14X (API 07325078), WITTROCK 1-23 (API 07324625) AND/OR PROPOSED WELLS JUANITA FIU 1508 3H-14X, JUANITA FIU 1508 4H-14X, JUANITA FED 1508 5H-14X, JUANITA FED 1508 6H-14X, JUANITA FED 1508 7H-14X  
05/13/2019

#### HYDRAULIC FRACTURING

1/23/2020 - 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 - 702204 (201810486)

1/24/2020 - GB6 - 14-15N-8W  
X631544 MSSP  
6 WELLS  
NO OP. NAMED  
09/13/2019

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 26662 JUANITA FIU 1508 2H-14X

INCREASED DENSITY - 702205 (201810487)	1/24/2020 - GB6 - 23-15N-8W X631544 MSSP 6 WELLS NO OP. NAMED 09/13/2019
INTERMEDIATE CASING	1/23/2020 - 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 - 697865 (201810489)	1/24/2020 - GB6 - (I.O.) 14 & 23 -15N-8W X631544 MSSP, OTHER COMPL. INT. (23-15N-8W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (14-15N-8W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL) NO OP. NAMED 06/17/2019
MEMO	1/23/2020 - 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 - 631544	1/24/2020 - GB6 - (640)(HOR) 14 & 23 -15N-8W VAC 37910 MSCST IN 14-15N-8W VAC 76186 MSSSD IN 14-15N-8W EXT 594598 MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL (COEXIST SP. ORDER # 37910 MSCST IN 23-15N-8W, SP. ORDER # 76186 MSSSD IN 23-15N-8W)
SPACING - 695980 (201810488)	1/24/2020 - GB6 - (I.O.) 14 & 23 -15N-8W EST MULTIUNIT HORIZONTAL WELL X631544 MSSP, OTHER 50% 14-15N-8W 50% 23-15N-8W NEWFIELD EXPLORATION MID-CONTINENT INC. 05/13/2019

KINGFISHER

COUNTY, OKLAHOMA

445' FSL - 1155' FWL SECTION 23 TOWNSHIP 15N RANGE 8W I.M.



GRID  
OK NORTH  
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'

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°45'20.1" N  
LONG: 98°01'34.2" W  
LAT: 35.755589° N  
LONG: 98.026179° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: X 1992232  
Y: Y 275041

DATUM: NAD-83  
LAT: 35°45'20.3" N  
LONG: 98°01'35.4" W  
LAT: 35.755634° N  
LONG: 98.026512° W

STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: X 1960634  
Y: Y 275065

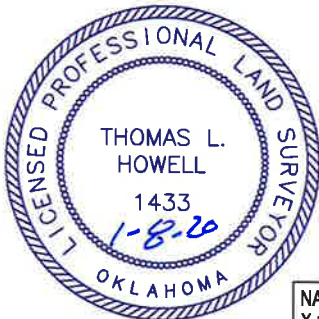
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

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



NAD-27  
X 1991076.94  
Y 274586.37  
NAD-83  
X 1959478.47  
Y 274609.92

NAD-27  
X 1991078.73  
Y 277225.35  
NAD-83  
X 1959480.19  
Y 277249.29

LANDING POINT  
165' FSL - 1039' FWL  
NAD-27  
35°45'17.3" N  
98°01'35.7" W  
35.754817° N  
98.026570° W  
X 1992116  
Y 274760  
NAD-83  
35°45'17.5" N  
98°01'36.8" W  
35.754862° N  
98.026903° W  
X 1960518  
Y 274784

SURFACE LOCATION  
445' FSL - 1155' FWL

LANDING POINT

NAD-27  
X 1993704.19  
Y 274609.15  
NAD-83  
X 1962105.89  
Y 274632.89

NAD-27  
X 1996331.55  
Y 274632.11  
NAD-83  
X 1964733.30  
Y 274655.85

NAD-27  
X 1993689.24  
Y 285182.96  
NAD-83  
X 1962090.80  
Y 285206.71

NAD-27  
X 1996323.67  
Y 285191.08  
NAD-83  
X 1964725.27  
Y 285214.83

NAD-27  
X 1996325.24  
Y 282551.04  
NAD-83  
X 1964726.88  
Y 282574.78

NAD-27  
X 1996327.52  
Y 279911.47  
NAD-83  
X 1964729.19  
Y 279935.22

NAD-27  
X 1996327.82  
Y 277271.16  
NAD-83  
X 1964729.53  
Y 277294.91

BOTTOM HOLE  
85' FNL - 1039' FWL  
NAD-27  
35°46'59.5" N  
98°01'36.0" W  
35.783204° N  
98.026657° W  
X 1992093  
Y 285093  
NAD-83  
35°46'59.7" N  
98°01'37.2" W  
35.783249° N  
98.026989° W  
X 1960495  
Y 285117

LAST TAKE POINT  
165' FNL - 1039' FWL  
NAD-27  
35°46'58.7" N  
98°01'36.0" W  
35.782985° N  
98.026657° W  
X 1992093  
Y 285013  
NAD-83  
35°46'58.9" N  
98°01'37.2" W  
35.783029° N  
98.026989° W  
X 1960495  
Y 285037

NAD-27  
X 1991054.09  
Y 282506.18  
NAD-83  
X 1959455.74  
Y 282529.73

NAD-27  
X 1991080.66  
Y 279864.49  
NAD-83  
X 1959482.30  
Y 279888.27

NAD-27  
X 1993703.93  
Y 279887.89  
NAD-83  
X 1962105.56  
Y 279911.64

OPERATOR: NEWFIELD EXPLORATION MID-CON INC

LEASE NAME: WELL NO: JUANITA FIU 1508 WELL NO: 2H-14X

TOPOGRAPHY & VEGETATION LOCATION FWLL IN PASTURE.

GOOD DRILL SITE? Yes REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET: None

BEST ACCESSIBILITY TO LOCATION: From South off county road.

DISTANCE & DIRECTION: From Okarche, OK, go West ±3 miles then North ±2 miles to the SW Corner of Section 23-T15N-R8W.

ELEVATION:

1117' Gr. at Stake (NGVD29)

1117' Gr. at Stake (NAVD88)

PROJECT # 132002

DATE OF DRAWING: JANUARY 8, 2020

DATE STAKED: JANUARY 7, 2020

DRAWN BY: EAH

REVISION: 1

FILE NAME: LO JUANITA FIU 2H-14X REV1