

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

API NUMBER: 017 25411 A

Approval Date: 03/18/2019  
Expiration Date: 09/18/2020

Horizontal Hole Oil & Gas  
Multi Unit

Amend reason: OCC CORRECTION FOR BHL, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 14N Rge: 7W County: CANADIAN  
SPOT LOCATION:  SW  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 360 335

Lease Name: **ROCK ISLAND** Well No: **1407 4H-23X** Well will be **335** feet from nearest unit or lease boundary.

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

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

GUSTAVE & PATRICIA STEFFEN  
P.O. BOX 268  
ANTIGO WI 54409

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8256	6	
2	MISSISSIPPI SOLID	8500	7	
3	WOODFORD	8743	8	
4	HUNTON	8843	9	
5			10	

Spacing Orders: 637734 Location Exception Orders: Increased Density Orders: 692431  
632037 692432  
692433  
692434

Pending CD Numbers: 201810864  
201810860  
201810861

Special Orders:

Total Depth: 19461 Ground Elevation: 1151 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 270

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36157

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 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: 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: DUNCAN

HORIZONTAL HOLE 1

Sec 26 Twp 14N Rge 7W County CANADIAN

Spot Location of End Point: NW NW NE SE

Feet From: SOUTH 1/4 Section Line: 2560

Feet From: EAST 1/4 Section Line: 1077

Depth of Deviation: 8257

Radius of Turn: 596

Direction: 185

Total Length: 10267

Measured Total Depth: 19461

True Vertical Depth: 8915

End Point Location from Lease,  
Unit, or Property Line: 1077

Notes:

Category

Description

DEEP SURFACE CASING

5/6/2019 - 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

HYDRAULIC FRACTURING

5/6/2019 - 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 - 692431

5/6/2019 - G56 - 23-14N-7W  
X637734 MSSP  
6 WELLS  
NEWFIELD EXPLOR. MID-CON INC.  
3/5/2019

INCREASED DENSITY - 692432

5/6/2019 - G56 - 23-14N-7W  
X637734 WDFD  
7 WELLS  
NEWFIELD EXPLOR. MID-CON INC.  
3/5/2019

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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.

017 25411 ROCK ISLAND 1407 4H-23X

Category	Description
INCREASED DENSITY - 692433	5/6/2019 - G56 - 26-14N-7W X632037 MSSSD 6 WELLS NEWFIELD EXPLOR. MID-CON. INC. 3/5/2019
INCREASED DENSITY - 692434	5/6/2019 - G56 - 26-14N-7W X632037 WDFD 7 WELLS NEWFIELD EXPLOR. MID-CON. INC. 3/5/2019
MEMO	5/6/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS (REQUIRED - UNCLE JOHN CREEK), WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM CUTTINGS WILL BE SOIL FARMED, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
PENDING CD - 201810860	5/6/2019 - G56 - (I.O.) 14, 23 & 26-14N-7W*** ESTABLISH MULTIUNIT HORIZONTAL WELL X587241 MSSP, WDFD, HNTN, OTHER 14-14N-7W*** X637734 MSSP, WDFD, HNTN 23-14N-7W X632037 MSSSD, WDFD, HNTN 26-14N-7W (HNTN IS AN ADJACENT COMMON SOURCE OF SUPPLY TO TARGET MSSP, WDFD 23-14N-7W; HNTN IS AN ADJACENT COMMON SOURCE OF SUPPLY TO TARGET MSSSD, WDFD 26-14N- 7W) 40% 14-14N-7W*** 41% 23-14N-7W 19% 26-14N-7W NO OP NAMED REC 1/22/2019 (P. PORTER)  *** SECTION 14 WILL BE DISMISSED AT HEARING, PERCENTAGES WILL BE UPDATED ACCORDINGLY PER OPERATOR
PENDING CD - 201810861	5/6/2019 - G56 - (I.O.) 23 & 26-14N-7W X637734 MSSP, WDFD, HNTN 23-14N-7W X632037 MSSSD, WDFD, HNTN 26-14N-7W COMPL INT (23-14N-7W) NCT 0' FNL, NCT 0' FSL, NCT 660' FEL COMPL INT (26-14N-7W) NCT 0' FNL, NCT 2640' FSL, NCT 660' FEL NO OP NAMED REC 2/11/2019 (MINMIER)
PENDING CD - 201810864	5/6/2019 - G56 - (I.O.) 14, 23 & 26-14N-7W X165:10-3-28(C)(2)(B) MSSP, MSSSD, WDFD, HNTN, OTHER MAY BE CLOSER THAN 600' TO ROCK ISLAND 1H-14, VERNES 1-23, DANNEHL E-1, SCOTT 1H-23X, VOGT 1-26, JUSTIN 1-26, VERNES 1-26, VOGT 2-26 AND/OR PROPOSED WELLS NEWFIELD EXPLOR. MID-CON. INC. REC 1/22/2019 (P. PORTER)
SPACING - 632037	5/6/2019 - G56 - (640)(HOR) 26-14N-7W EST MSSSD EXT 621416 WDFD, HNTN COMPL INT (MSSSD, HNTN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST WITH SP # 137094 MISS, HNTN)
SPACING - 637734	5/6/2019 - G56 - (640)(HOR) 23-14N-7W EST MSSP EXT 632037 WDFD, HNTN COMPL INT (MSSP, HNTN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST WITH SP # 122201 HNTN, MISS; # 142864 CSTR, WDFD)

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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.

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

13800 Wireless Way, Okla. City, OK, 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

CANADIAN County, Oklahoma Section 23 Township 14N Range 7W I.M.

**PERMIT PLAT**



- NOTES:**
- The information shown herein is for construction purposes ONLY.
  - A portion of Section 23 lies within a flood zone.
  - 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°40'52.3"N  
 LONG: 97°54'23.5"W  
 LAT: 35.681196°N  
 LONG: 97.906531°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 2027761  
 Y: 247975

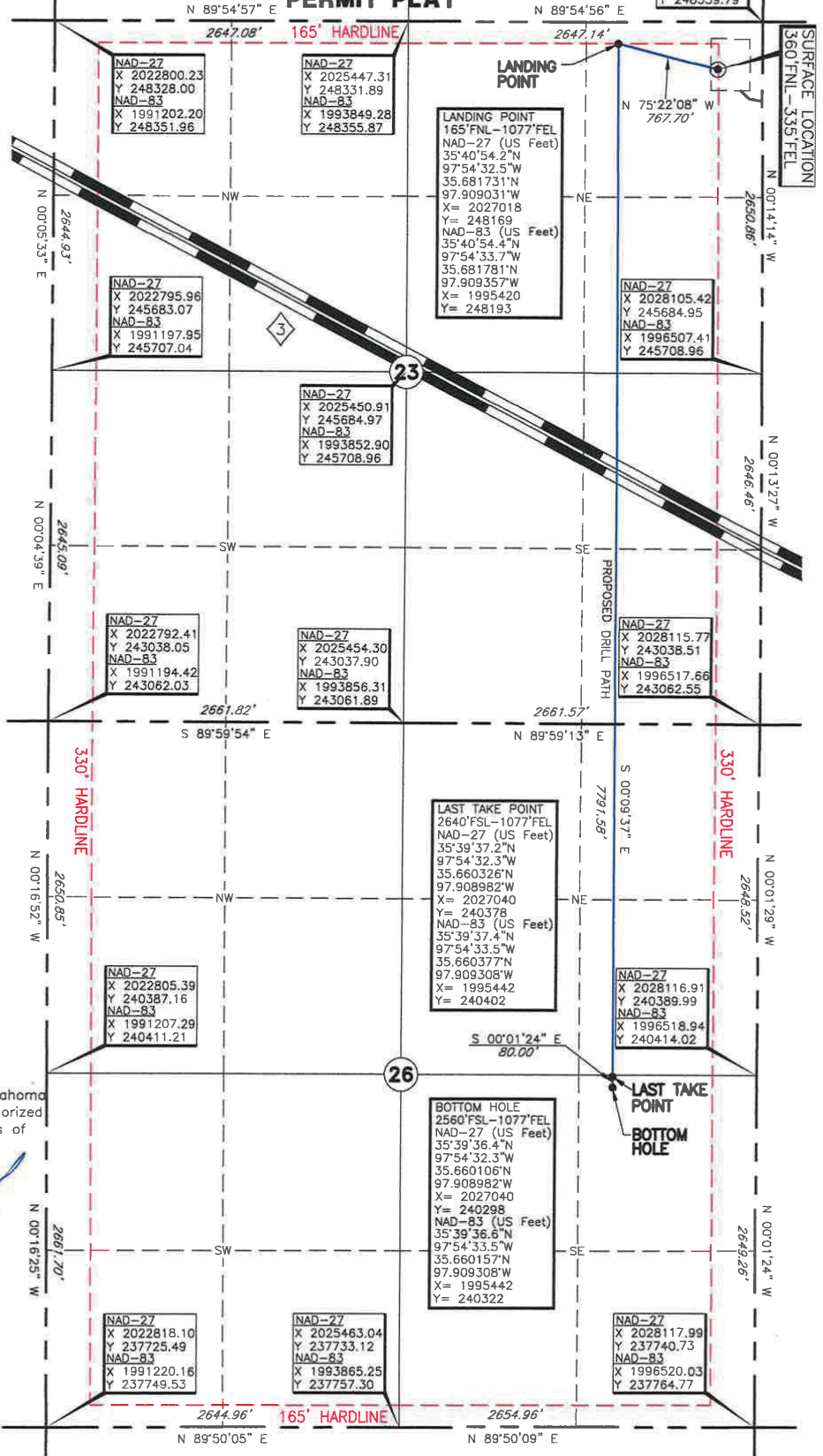
DATUM: NAD-83  
 LAT: 35°40'52.5"N  
 LONG: 97°54'24.7"W  
 LAT: 35.681247°N  
 LONG: 97.906856°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1996163  
 Y: 247999

(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 Lic. No. 1433



NAD-27  
 X 2028094.44  
 Y 248335.79  
 NAD-83  
 X 1996496.42  
 Y 248359.79

NAD-27  
 X 2022800.23  
 Y 248328.00  
 NAD-83  
 X 1991202.20  
 Y 248351.96

NAD-27  
 X 2025447.31  
 Y 248331.89  
 NAD-83  
 X 1993849.28  
 Y 248355.87

LANDING POINT  
 165'FNL-1077'FEL  
 NAD-27 (US Feet)  
 35°40'54.2"N  
 97°54'32.5"W  
 35.681731°N  
 97.909031°W  
 X= 2027018  
 Y= 248169  
 NAD-83 (US Feet)  
 35°40'54.4"N  
 97°54'33.7"W  
 35.681781°N  
 97.909357°W  
 X= 1995420  
 Y= 248193

NAD-27  
 X 2022795.96  
 Y 245683.07  
 NAD-83  
 X 1991197.95  
 Y 245707.04

NAD-27  
 X 2025450.91  
 Y 245684.97  
 NAD-83  
 X 1993852.90  
 Y 245708.96

NAD-27  
 X 2028105.42  
 Y 245684.95  
 NAD-83  
 X 1996507.41  
 Y 245708.96

NAD-27  
 X 2022792.41  
 Y 243038.05  
 NAD-83  
 X 1991194.42  
 Y 243062.03

NAD-27  
 X 2025454.30  
 Y 243037.90  
 NAD-83  
 X 1993856.31  
 Y 243061.89

NAD-27  
 X 2028115.77  
 Y 243038.51  
 NAD-83  
 X 1996517.66  
 Y 243062.55

LAST TAKE POINT  
 2640'FSL-1077'FEL  
 NAD-27 (US Feet)  
 35°39'37.2"N  
 97°54'32.3"W  
 35.660326°N  
 97.908982°W  
 X= 2027040  
 Y= 240378  
 NAD-83 (US Feet)  
 35°39'37.4"N  
 97°54'33.5"W  
 35.660377°N  
 97.909308°W  
 X= 1995442  
 Y= 240402

NAD-27  
 X 2022805.39  
 Y 240387.16  
 NAD-83  
 X 1991207.29  
 Y 240411.21

NAD-27  
 X 2028116.91  
 Y 240389.99  
 NAD-83  
 X 1996518.94  
 Y 240414.02

BOTTOM HOLE  
 2560'FSL-1077'FEL  
 NAD-27 (US Feet)  
 35°39'36.4"N  
 97°54'32.3"W  
 35.660106°N  
 97.908982°W  
 X= 2027040  
 Y= 240298  
 NAD-83 (US Feet)  
 35°39'36.6"N  
 97°54'33.5"W  
 35.660157°N  
 97.909308°W  
 X= 1995442  
 Y= 240322

NAD-27  
 X 2022818.10  
 Y 237725.49  
 NAD-83  
 X 1991220.16  
 Y 237749.53

NAD-27  
 X 2025463.04  
 Y 237733.12  
 NAD-83  
 X 1993865.25  
 Y 237757.30

NAD-27  
 X 2028117.99  
 Y 237740.73  
 NAD-83  
 X 1996520.03  
 Y 237764.77

Revision  A Date of Drawing: May 2, 2019

Invoice # 310227C Date Staked: Dec. 21, 2018 TR

Project # 126241

Well No.: 4H-23X

Operator: NEWFIELD EXPLORATION

Lease Name: ROCK ISLAND 1407

Topography & Vegetation Loc. fell on level pad

**ELEVATION:**  
 1151' Gr. at Level Pad (NGVD29)

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 Okarche, OK., go ±4 miles East, then ±3 miles South to the Northeast corner

of Section 23-14N-7W.