

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

API NUMBER: 017 25453

Approval Date: 05/06/2019

Expiration Date: 11/06/2020

Horizontal Hole Oil & Gas
Multi Unit

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: 360 375

Lease Name: ROCK ISLAND Well No: 1407 6H-23X Well will be 360 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 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	8274	6	
2	MISSISSIPPI SOLID	8500	7	
3	WOODFORD	8762	8	
4	HUNTON	8862	9	
5			10	

Spacing Orders: 587241
637734
632037

Location Exception Orders:

Increased Density Orders: 692431
692432
692433
692434

Pending CD Numbers: 201810864
201810858
201810859

Special Orders:

Total Depth: 19485

Ground Elevation: 1152

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

Approved Method for disposal of Drilling Fluids:

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

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 NE NW SE

Feet From: SOUTH 1/4 Section Line: 2560

Feet From: EAST 1/4 Section Line: 1714

Depth of Deviation: 8258

Radius of Turn: 611

Direction: 187

Total Length: 10267

Measured Total Depth: 19485

True Vertical Depth: 9762

End Point Location from Lease,
Unit, or Property Line: 1714

Notes:

Category

Description

DEEP SURFACE CASING

2/13/2019 - 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

2/13/2019 - 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; 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 - 692431

3/18/2019 - G56 - 23-14N-7W
X637734 MSSP
6 WELLS
NEWFIELD EXPLOR. MID-CON INC.
3/5/2019

INCREASED DENSITY - 692432

3/18/2019 - 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 25453 ROCK ISLAND 1407 6H-23X

Category	Description
INCREASED DENSITY - 692433	3/18/2019 - G56 - 26-14N-7W X632037 MSSSD 6 WELLS NEWFIELD EXPLOR. MID-CON. INC. 3/5/2019
INCREASED DENSITY - 692434	3/18/2019 - G56 - 26-14N-7W X632037 WDFD 7 WELLS NEWFIELD EXPLOR. MID-CON. INC. 3/5/2019
MEMO	2/13/2019 - 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 - 201810858	3/18/2019 - 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 MSSP, WDFD 23-14N-7W; 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 - 201810859	3/18/2019 - 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 1320' FEL COMPL INT (26-14N-7W) NCT 0' FNL, NCT 2640' FSL, NCT 1320' FEL NO OP NAMED REC 2/11/2019 (MINMIER)
PENDING CD - 201810864	3/18/2019 - 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	3/18/2019 - 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	3/18/2019 - 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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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
 360'FNL-375'FEL Section 23 Township 14N Range 7W I.M.

PERMIT PLAT

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



- 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°54'24.0"W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2027721
 Y: 247975

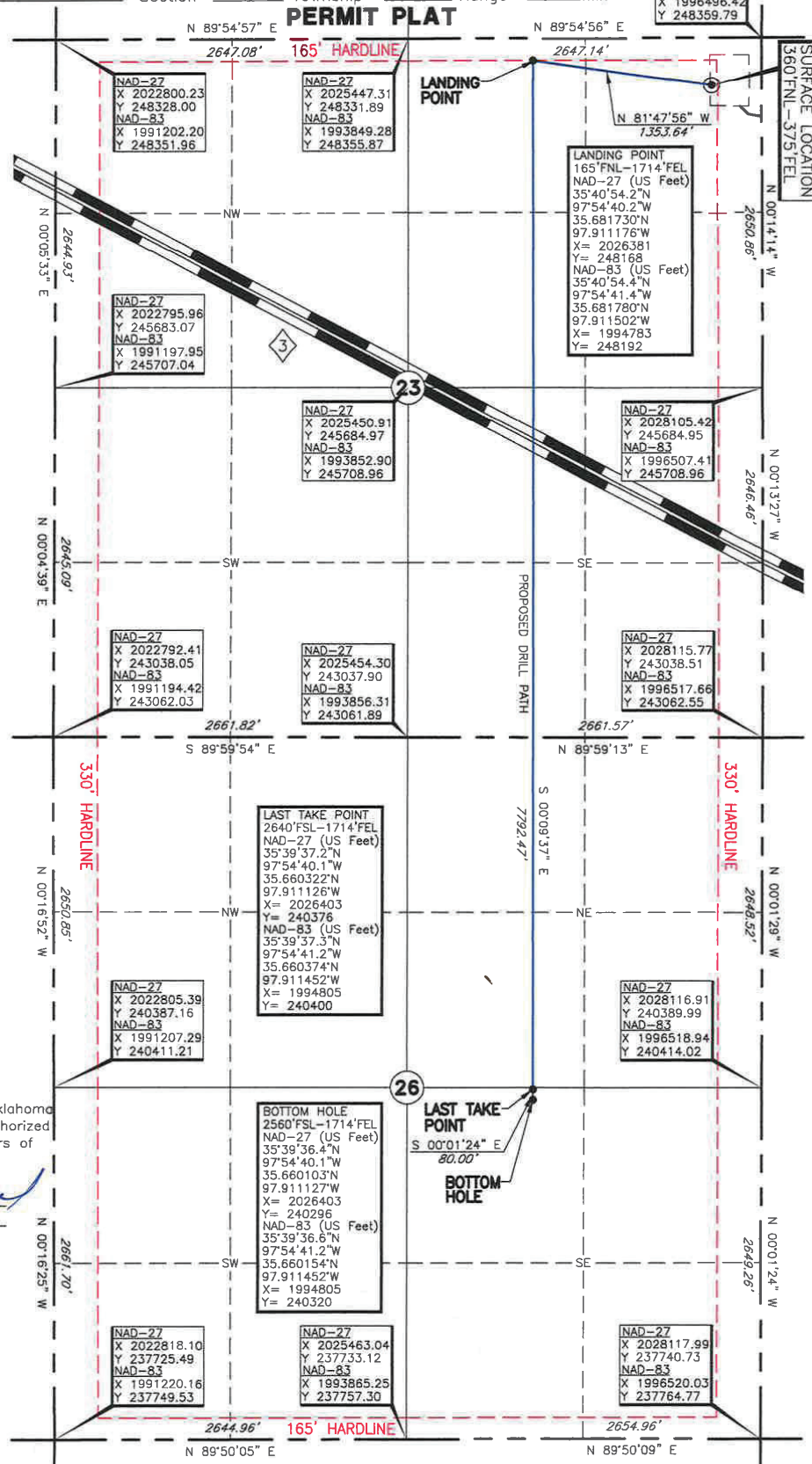
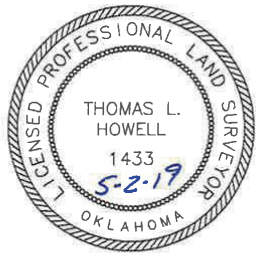
DATUM: NAD-83
 LAT: 35°40'52.5"N
 LONG: 97°54'25.2"W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1996123
 Y: 247999

(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



Revision A Date of Drawing: May 2, 2019

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

Project # 126243

Well No.: 6H-23X

ELEVATION:
 1152' Gr. at Level Pad (NGVD29)

Operator: NEWFIELD EXPLORATION

Lease Name: ROCK ISLAND 1407

Topography & Vegetation Loc. fell on level pad

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.