

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

Approval Date: 03/18/2019

Expiration Date: 09/18/2020

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: 360 335

Lease Name: ROCK ISLAND Well No: 1407 4H-23X Well will be 335 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	8256	6	
2	MISSISSIPPI SOLID	8500	7	
3	WOODFORD	8743	8	
4	HUNTON	8843	9	
5			10	

Spacing Orders: 637734
632037

Location Exception Orders:

Increased Density Orders: 692431
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

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: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 85

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: 85

Notes:

Category

Description

DEEP SURFACE CASING

2/12/2019 - 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

2/12/2019 - 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

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

017 25411 ROCK ISLAND 1407 4H-23X

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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	2/12/2019 - 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	3/12/2019 - 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 PER OPERATOR +++ PERCENTAGES WILL BE UPDATED TO 50% 23-14N-7W, 50% 26-14N-7W
PENDING CD - 201810861	3/12/2019 - 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	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	3/11/2019 - 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	3/11/2019 - 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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