

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

API NUMBER: 011 24021

Approval Date: 06/05/2018

Expiration Date: 12/05/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 16N Rge: 10W County: BLAINE
SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 245 870

Lease Name: CASTONGUAY Well No: 1610 8H-2X Well will be 245 feet from nearest unit or lease boundary.
Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2816742521; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
24 WATERWAY AVE STE 900
THE WOODLANDS, TX 77380-2764

HENRY J. WEBER
802 CHAMPIONS ROW
VICTORIA TX 77904

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9300	6	
2	WOODFORD	9920	7	
3			8	
4			9	
5			10	

Spacing Orders: 646685
647101

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803110
201803112
201803129
201803127
201803128

Special Orders:

Total Depth: 19778 Ground Elevation: 1245 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 170

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

B. Solidification of pit contents.

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

H. SEE MEMO

Is depth to top of ground water greater than 10ft below base of pit? Y

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 11 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 934

Depth of Deviation: 8901

Radius of Turn: 477

Direction: 181

Total Length: 10128

Measured Total Depth: 19778

True Vertical Depth: 9920

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

Notes:

Category

Description

DEEP SURFACE CASING

5/18/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/18/2018 - 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

INTERMEDIATE CASING

5/18/2018 - 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

MEMO

5/18/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498); PIT 2 - OBM TO VENDOR

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

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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.

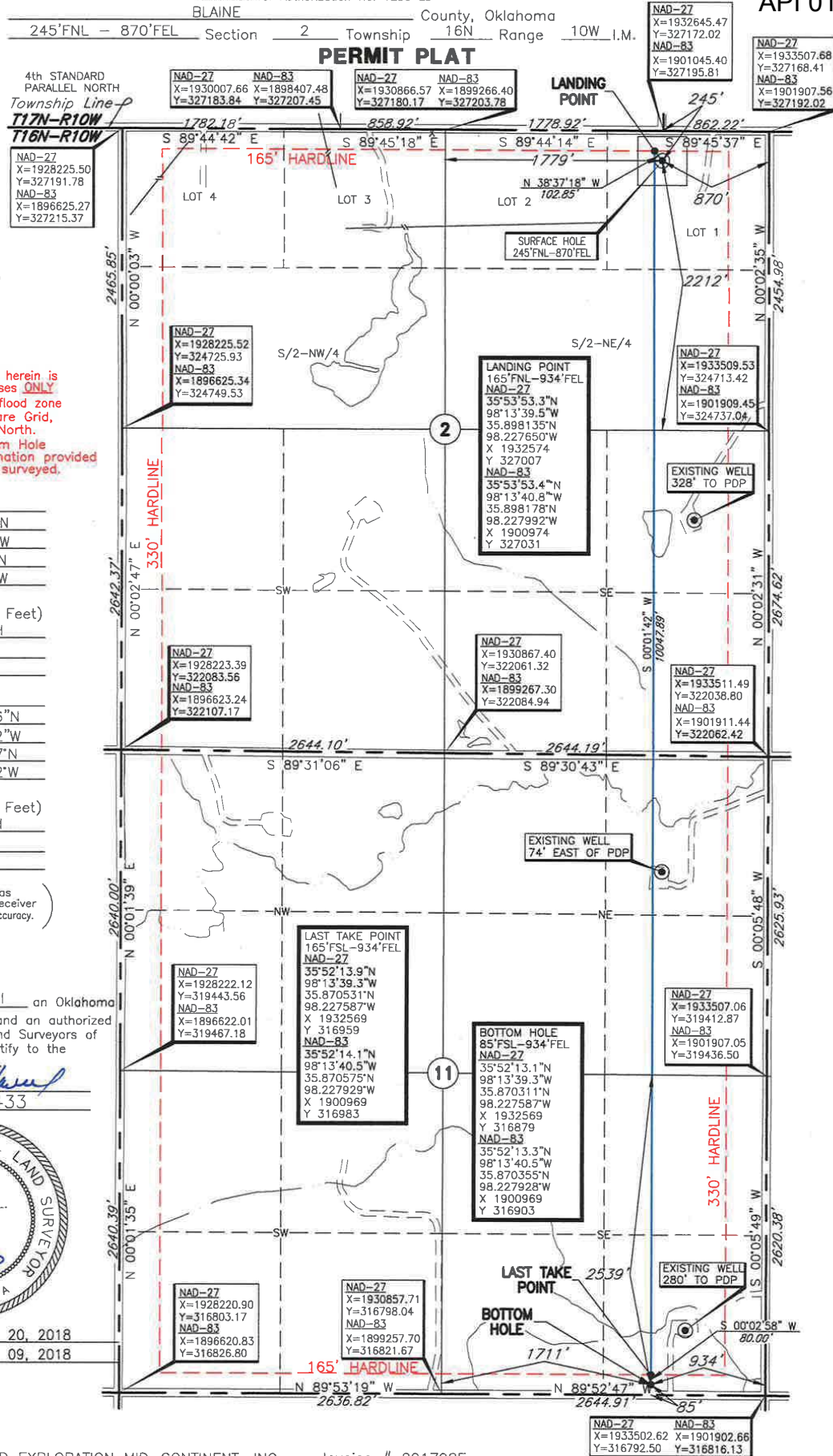
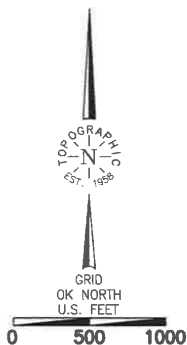
011 24021 CASTONGUAY 1610 8H-2X

Category	Description
PENDING CD - 201803110	6/4/2018 - G75 - (I.O.) 2 & 11-16N-10W EST MULTIUNIT HORIZONTAL WELL X646685 MSSP, WDFD 2-16N-10W X647101 MSSP, WDFD 11-16N-10W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 2-16N-10W 50% 11-16N-10W NO OP. NAMED REC 5-8-2018 (MURER)
PENDING CD - 201803112	6/4/2018 - G75 - (I.O.) 2 & 11-16N-10W X646685 MSSP, WDFD 2-16N-10W X647101 MSSP, WDFD 11-16N-10W COMPL. INT. (2-16N-10W) NCT 165' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (11-16N-10W) NCT 0' FNL, NCT 165' FSL, NCT 660' FEL NO OP. NAMED REC 5-8-2018 (MURER)
PENDING CD - 201803127	6/4/2018 - G75 - 2-16N-10W X646685 MSSP 9 WELLS NO OP. NAMED REC 5-8-2018 (MURER)
PENDING CD - 201803128	6/4/2018 - G75 - 11-16N-10W X647101 MSSP 9 WELLS NO OP. NAMED REC 5-8-2018 (MURER)
PENDING CD - 201803129	6/4/2018 - G75 - (I.O.) 2 & 11-16N-10W X165:10-3-28(C)(2)(B) MSSP (CASTONGUAY 1610 8H-2X) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL NEWFIELD EXPLOR. MID-CONT. INC. REC 5-8-2018 (MURER)
SPACING - 646685	6/4/2018 - G75 - (640)(HOR) 2-16N-10W EXT 639444 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 168134/169097 MSSSD & ORDER # 189055 MCSTR)
SPACING - 647101	6/4/2018 - G75 - (640)(HOR) 11-16N-10W EXT 639444 MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 168134/169097 MSSSD; ORDER # 189055 MCSTR; ORDER # 527546 MNNG SE4)

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.



NOTES:

- The information shown herein is for construction purposes **ONLY**
- Section 2 is within a flood zone
- All bearings shown are Grid, NAD-27, Oklahoma North.
- Landing Point, Bottom Hole and Drill Path information provided by client listed, not surveyed.

SURFACE LOCATION

DATUM: NAD-27
LAT: 35°53'52.5"N
LONG: 98°13'38.8"W
LAT: 35.897914°N
LONG: 98.227433°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1932638
Y: 326927

DATUM: NAD-83
LAT: 35°53'52.6"N
LONG: 98°13'40.2"W
LAT: 35.897957°N
LONG: 98.227842°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1901018
Y: 326951

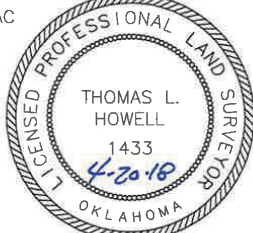
(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)

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.

Oklahoma Lic. No. 1433

AC



Date of Drawing: Apr. 20, 2018

Date Staked: Apr. 09, 2018

Operator: NEWFIELD EXPLORATION MID-CONTINENT, INC.

Lease Name: CASTONGUAY 1610

Topography & Vegetation Loc. fell in level wheat

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. St. Hwy. 8 and St. Hwy 33 in Watonga, OK, go ±10.0 mi. East on St Hwy. 33, then ±4.0 mi. North to the NW Cor. of Sec. 2-T16N-R10W

Invoice # 291798F

Well No.: 8H-2X

ELEVATION:

1245' Gr. at Stk. (NGVD29)