

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

API NUMBER: 017 25130

Approval Date: 11/27/2017

Expiration Date: 05/27/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 14N Rge: 6W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 360 400

Lease Name: MOFFAT

Well No: 1406 1H-13X

Well will be 360 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
4 WATERWAY SQ PL STE 100
SPRING, TX 77380-2764

B&H MUEGGENBORG FAMILY FARMS, LLC
396595 W 2437 RD.
BARTLESVILLE OK 74006

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7684	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705418
201705419
201705415

Special Orders:

Total Depth: 18444

Ground Elevation: 1261

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 940

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: AIR

B. Solidification of pit contents.

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.

F. Haul to Commercial soil farming facility: Sec. 27 Twn. 17N Rng. 9W Cnty. 73 Order No: 659856

H. SEE MEMO

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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: 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

PIT 3 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 13 Twp 14N Rge 6W County CANADIAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 7538

Radius of Turn: 346

Direction: 359

Total Length: 10363

Measured Total Depth: 18444

True Vertical Depth: 7895

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

11/17/2017 - 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

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.

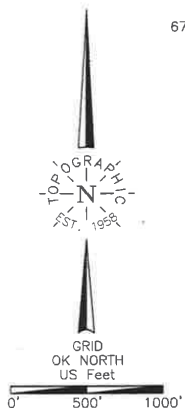
017 25130 MOFFAT 1406 1H-13X

Category	Description
HYDRAULIC FRACTURING	<p>11/17/2017 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
MEMO	<p>11/17/2017 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES (27-17N-9W, KINGFISHER CO.); PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201705415	<p>11/22/2017 - G58 - (640)(HOR) 13 & 24-14N-6W VAC 66879 MSSLM (N2, SW4, & W2 SE4 13-14N-6W) VAC 172458 CSTR (W2 13-14N-6W) VAC 183787 MISS (N2, SE4, & S2 SW4 24-14N-6W) EXT 651555 MSSP, OTHER COMPL. INT. NCT 660' FB REC 9/5/2017 (JOHNSON)</p>
PENDING CD - 201705418	<p>11/22/2017 - G58 - (I.O.) 13 & 24-14N-6W EST MULTIUNIT HORIZONTAL WELL X201705415 MSSP (13 & 24-14N-6W) 50% 13-14N-6W 50% 24-14N-6W NEWFIELD EXPLORATION MID-CONTINENT INC. REC 9/5/2017 (JOHNSON)</p>
PENDING CD - 201705419	<p>11/22/2017 - G58 - (I.O.) 13 & 24-14N-6W X201705415 MSSP, WDFD SHL SW4 12-14N-6W ** COMPL. INT. (13-14N-6W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (24-14N-6W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP NAMED REC 9/5/2017 (JOHNSON)</p> <p>**WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>

CANADIAN

County, Oklahoma

017-25130



NOTES:

- The information shown herein is for construction purposes ONLY.
- Section 25 is not within a flood zone.
- This is a proposed pad with (2) proposed wells.
- 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°39'58.7"N
LONG: 97°47'48.3"W
LAT: 35.666317°N
LONG: 97.796758°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2060375
Y: 242609

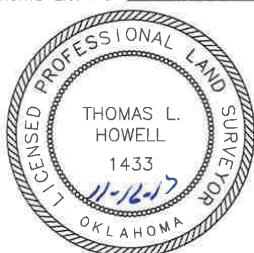
DATUM: NAD-83
LAT: 35°39'58.9"N
LONG: 97°47'49.5"W
LAT: 35.666369°N
LONG: 97.797081°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2028777
Y: 242633

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 2059973.21 Y 242966.84
NAD-83 X 2028375.22 Y 242991.11

Operator: NEWFIELD EXPLORATION MID-CONTINENT, INC.
Lease Name: MOFFAT 1406

Topography & Vegetation Loc. fell in level plowed field, ±249' NE of fence, ±323' S of fence, ± 294' S of pipeline, ±352' E of pipeline

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 St. Hwy. 3 and Richland Rd., go North ±1.75miles on Richland Rd. to the SW Cor. of Sec. 25-T14N-R6W.

Revision ☒ A Date of Drawing: Nov. 16, 2017
Invoice # 279749A Date Staked: Aug. 22, 2017 TR

Well No.: 1H-13X

ELEVATION:

1261' Gr. at Stake (NGVD29)

