

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

API NUMBER: 011 24064

Approval Date: 08/10/2018

Expiration Date: 02/10/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 15N Rge: 13W County: BLAINE
SPOT LOCATION: SE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 365 2130

Lease Name: SAWYER Well No: 1613 2H-27X Well will be 365 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

TODD JAY ICE TRUST
82742 N. 2470 ROAD
FAY OK 73646

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11642	6	
2 MISSISSIPPI	11678	7	
3		8	
4		9	
5		10	

Spacing Orders: 205164
664096

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805210
201805212
201805213
201805214

Special Orders:

Total Depth: 22284

Ground Elevation: 1772

Surface Casing: 480

Depth to base of Treatable Water-Bearing FM: 230

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: 8000 Average: 5000

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35001

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 27 Twp 16N Rge 13W County BLAINE

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 1887

Depth of Deviation: 11062

Radius of Turn: 637

Direction: 5

Total Length: 10221

Measured Total Depth: 22284

True Vertical Depth: 11880

End Point Location from Lease,
Unit, or Property Line: 0

Notes:

Category

Description

HYDRAULIC FRACTURING

7/26/2018 - 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

7/26/2018 - 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

7/26/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, 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 - 201805210

7/31/2018 - G58 - 27-16N-13W
X205164 MISS
3 WELLS
NO OP. NAMED
REC 8/7/2018 (PORTER)

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

011 24064 SAWYER 1613 2H-27X

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.

Category	Description
PENDING CD - 201805212	7/31/2018 - G58 - 34-16N-13W X664096 MSSP 3 WELLS NO OP. NAMED REC 8/7/2018 (PORTER)
PENDING CD - 201805213	7/31/2018 - G58 - (I.O.) 27 & 34-16N-13W EST MULTIUNIT HORIZONTAL WELL X205164 MISS 27-16N-13W X664096 MSSP 34-16N-13W 50% 27-16N-13W 50% 34-16N-13W NO OP. NAMED REC 8/7/2018 (PORTER)
PENDING CD - 201805214	7/31/2018 - G58 - (I.O.) 27 & 34-16N-13W X205164 MISS 27-16N-13W X664096 MSSP 34-16N-13W COMPL. INT. (34-16N-13W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (27-16N-13W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL NO OP. NAMED REC 8/7/2018 (PORTER)
SPACING - 205164	7/31/2018 - G58 - (640) 27-16N-13W EXT OTHERS EXT 123621 MISS, OTHERS
SPACING - 664096	7/31/2018 - G58 - (640)(HOR) 34-16N-13W EST OTHERS EXT 659938 MSSP, OTHERS COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 138660 CSTR; SP. ORDER 590461 MSSLM)

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.

011-24064

PERMIT PLAT

M & M Land Surveying, Inc.
Phone (580) 226-0446
520 E Street N.W.
Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**

Lease Name: **SAWYER 1613 2H-27X**

Section 3 Township 15 N Range 13 W I.B.M.
County of Blaine, State of Oklahoma

Good Location? **YES**

Original Location: 365'FNL - 2130'FEL Elevation 1772' **GROUND**
Distance & Direction From Nearest Town: 8.6 miles Southwest of Watonga

SURFACE LOCATION

DATUM: **NAD27**

LAT: 35° 48' 40.47"N

LONG: 98° 34' 04.60"W

LAT: 35.811240°N

LONG: 98.567943°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: **NORTH ZONE**

Y (N): 295790.09

X (E): 1831599.01

DATUM: **NAD83**

LAT: 35° 48' 40.63"N

LONG: 98° 34' 05.88"W

LAT: 35.811286°N

LONG: 98.568299°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: **NORTH ZONE**

Y (N): 295815.07

X (E): 1799997.57

DATA DERIVED FROM

G.P.S. WITH O.P.U.S.

DATA.

This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

CERTIFICATE:

I Aaron Morris a Registered Land Surveyor in the State Of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown and that said plat meets or exceeds the Oklahoma Minimum Technical Standards for the practice of land surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.

N:306685.83
E:1833775.83

N 00°19'39"E
5281.07'

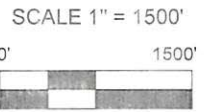
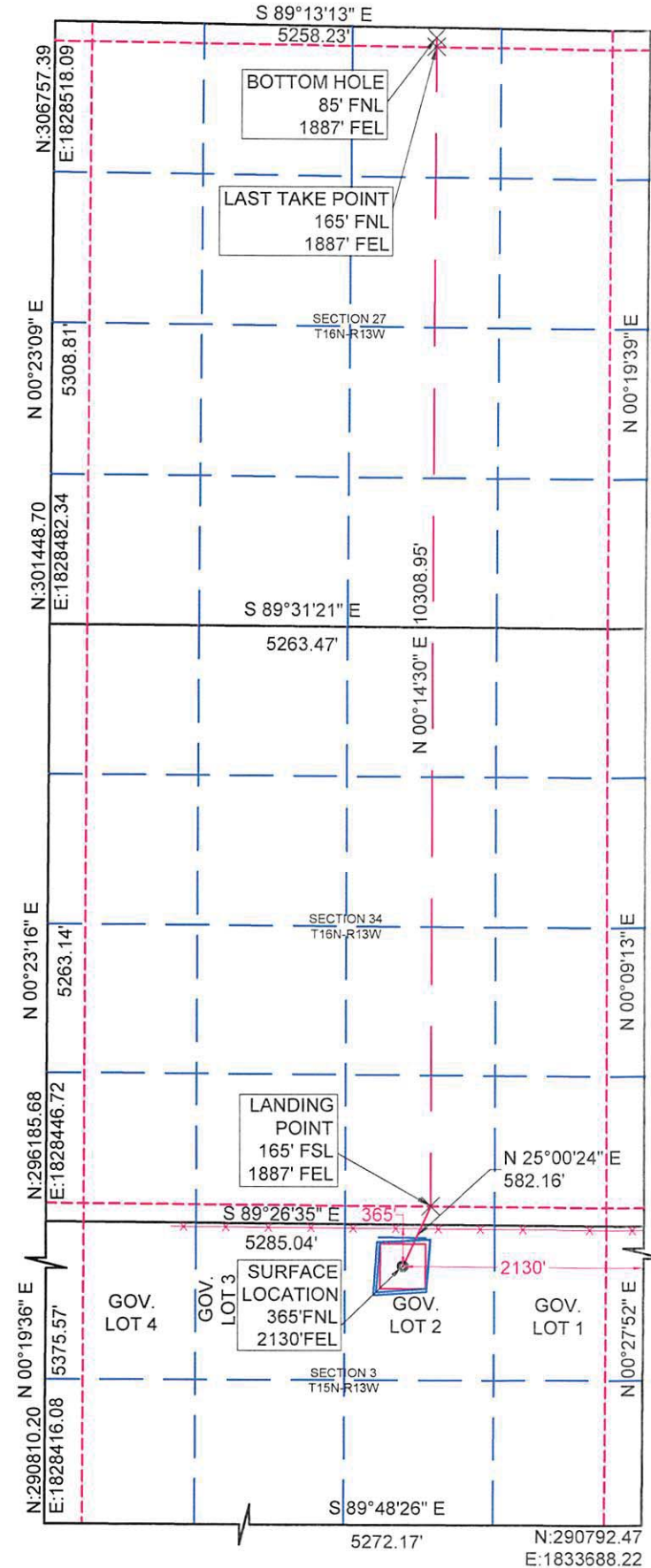
N:301404.84
E:1833745.63

N 00°09'13"E
5270.55'

N:296134.31
E:1833731.51

N 00°27'52"E
5342.02'

N:290792.47
E:1833688.22



SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying P.C.	
© COPYRIGHT 2017 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 18247	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 06/14/2018
	DRAWING DATE: 06/19/2018



A.L. Morris 06/21/2018

Aaron L. Morris R.P.L.S. No.1477
Bennett-Morris & Associates
Land Surveying P.C. ~ C.A. No.
5795 (LS)
Phone (580) 226-5108
Fax (888) 662-7778
1010 Northwest Boulevard
Ardmore, OK 73401