

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

API NUMBER: 029 21383

Approval Date: 09/25/2018

Expiration Date: 03/25/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 3N Rge: 11E County: COAL

SPOT LOCATION: ☐ SW ☐ NE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 950 1950

Lease Name: BROWN Well No: 0311 2H-33 Well will be 950 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

GLENDIA SHARON GRAHAM
PO BOX 333
SAVANNA OK 74565

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

Name	Depth	Name	Depth
1 WOODFORD	8673	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 500216

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806728
201806729

Special Orders:

Total Depth: 14468

Ground Elevation: 679

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 650

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: 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 BED AQUIFER

Pit Location Formation: SAVANNA

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

PERMIT NO: 18-35181

H. SEE MEMO

F. Haul to Commercial soil farming facility: Sec. 22 Twn. 2N Rng. 9E Cnty. 29 Order No: 537817

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: SAVANNA

HORIZONTAL HOLE 1

Sec 33 Twp 3N Rge 11E County COAL

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8336

Radius of Turn: 759

Direction: 170

Total Length: 4940

Measured Total Depth: 14468

True Vertical Depth: 8830

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

8/27/2018 - 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

8/27/2018 - 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

MEMO

8/27/2018 - 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 (18-34786), WBM/OBM CUTTINGS TRANSFERRED TO SOLE2 537817 (22-2N-9E), COAL CO; PIT 2 - OBM TO VENDOR

PENDING CD - 201806728

8/29/2018 - G58 - 33-3N-11E
X500216 WDFD
4 WELLS
NO OP NAMED
REC 9/17/2018 (P. PORTER)

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

029 21383 BROWN 0311 2H-33

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 - 201806729	8/29/2018 - G58 - (I.O.) 33-3N-11E X500216 WDFD, OTHERS COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 9/17/2018 (P. PORTER)
PENDING CD - 201806733	9/10/2018 - G58 - (I.O.) 33-3N-11E X165:10-3-28(C)(2)(B) WDFD (BROWN 0311 2H-33) MAY BE CLOSER THAN 600' FROM PROPOSED WELL AND THE BROWN 33-1H WELL REC 9/17/2018 (P. PORTER)
SPACING - 500216	8/29/2018 - G58 - (640) 33-3N-11E VAC OTHERS EST WDFD, OTHERS

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.

PERMIT PLAT

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

029-21383

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

Lease Name: **BROWN 0311 2H 33**

Section 28 Township 3 N Range 11 E, I.B.M., County of Coal, State of Oklahoma

Original Location: 950'FSL - 1950'FEL Elevation 679' GROUND Good Location? YES

Distance & Direction From Nearest Town: 11.5 miles Northeast of Coalgate

SURFACE LOCATION

DATUM: NAD27

LAT: 34° 41' 49.85"N

LONG: 96° 09' 03.93"W

LAT: 34.697181°N

LONG: 96.151091°W

STATE PLANE

COORDINATES: (US
SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 501409.2

X (E): 2555730.13

DATUM: NAD83

LAT: 34° 41' 50.19"N

LONG: 96° 09' 04.92"W

LAT: 34.697274°N

LONG: 96.151368°W

STATE PLANE

COORDINATES: (US
SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 501455.93

X (E): 2524133.45

DATA DERIVED FROM
G.P.S. WITH O.P.U.S.
DATA.

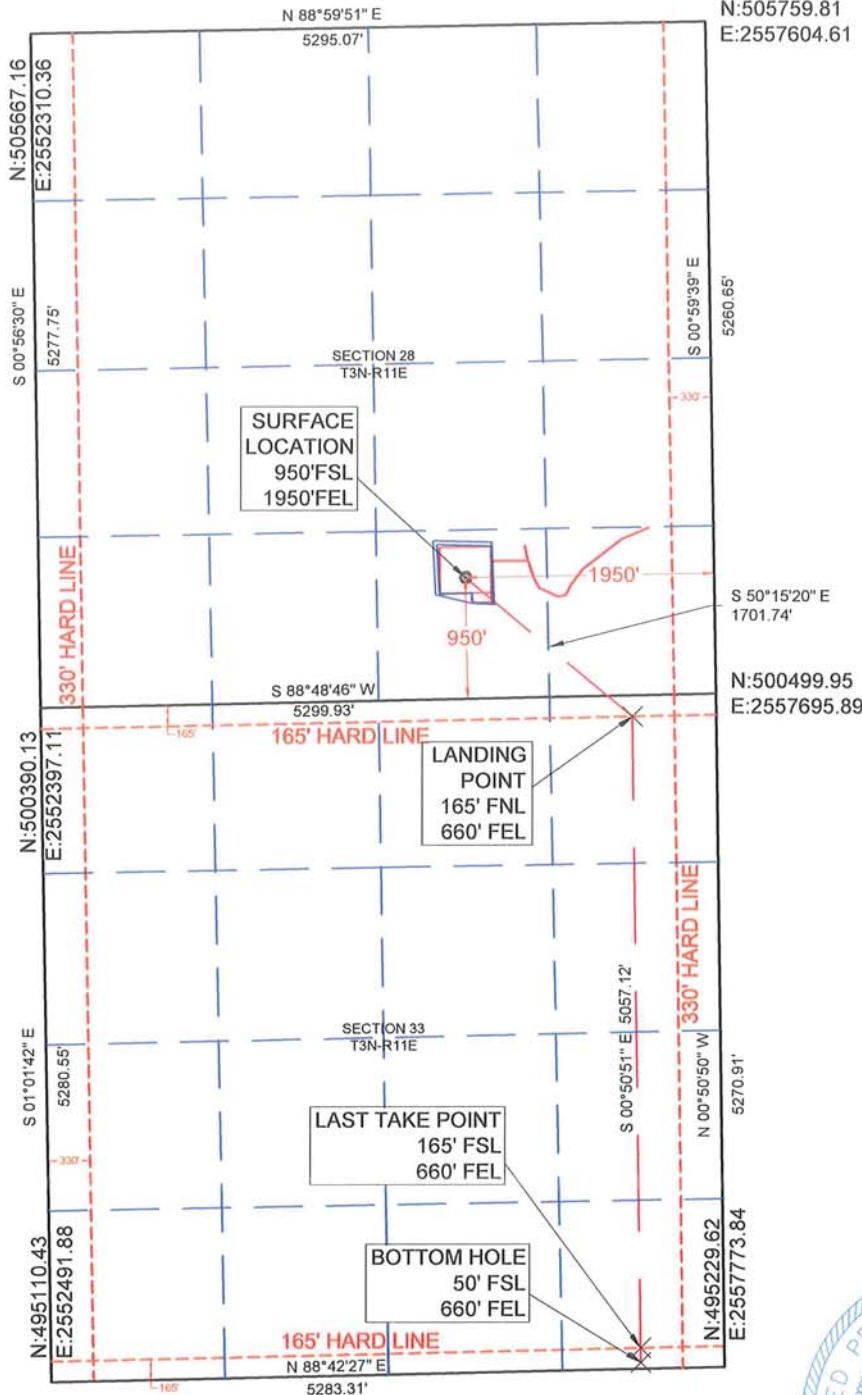
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy.

CERTIFICATE:

I D. Harry McClintick 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.



D. Harry McClintick
D. Harry McClintick
PLS. No. 1367 CFDS



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: 17418	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 10/24/2017
	DRAWING DATE: 02/28/2018