

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

API NUMBER: 087 22107

Approval Date: 02/13/2018

Expiration Date: 08/13/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 8N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 320 2390

Lease Name: JUNE

Well No: 1H-19X

Well will be 320 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

RICHARD GARLEN BROWN, TRUSTEE
2491 COUNTY RD 1278
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9841	6	
2	WOODFORD	9952	7	
3			8	
4			9	
5			10	

Spacing Orders: 672580

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707933
201708152

Special Orders:

Total Depth: 15387

Ground Elevation: 1255

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: AIR

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

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

Within 1 mile of municipal water well? N

H. SEE MEMO

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

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 19 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1354

Depth of Deviation: 9409

Radius of Turn: 573

Direction: 170

Total Length: 5077

Measured Total Depth: 15387

True Vertical Depth: 9998

End Point Location from Lease,

Unit, or Property Line: 50

Additional Surface Owner	Address	City, State, Zip
RICHARD GARLEN BROWN, TRUST	2491 COUNTY RD 1278	BLANCHARD, OK 73010

Notes:

Category

Description

DEEP SURFACE CASING

12/12/2017 - 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.

087 22107 JUNE 1H-19X

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
HYDRAULIC FRACTURING	<p>12/12/2017 - 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: OCCEWEB.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>12/12/2017 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES SOUTH SCOOP FACILITY (SE4 28-2N-4W, STEPHENS CO.); PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201707933	<p>2/13/2018 - G57 - (I.O.) 19-8N-4W X672580 MSSP, WDFD COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL NO OP. NAMED REC 12-18-2017 (MCKEOWN)</p>
SPACING - 672580	<p>2/13/2018 - G57 - (I.O.)(640)(HOR) 19-8N-4W EXT 666740 MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST WITH SP. ORDER # 179285 MSSP)</p>

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

API: 087 22107

Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

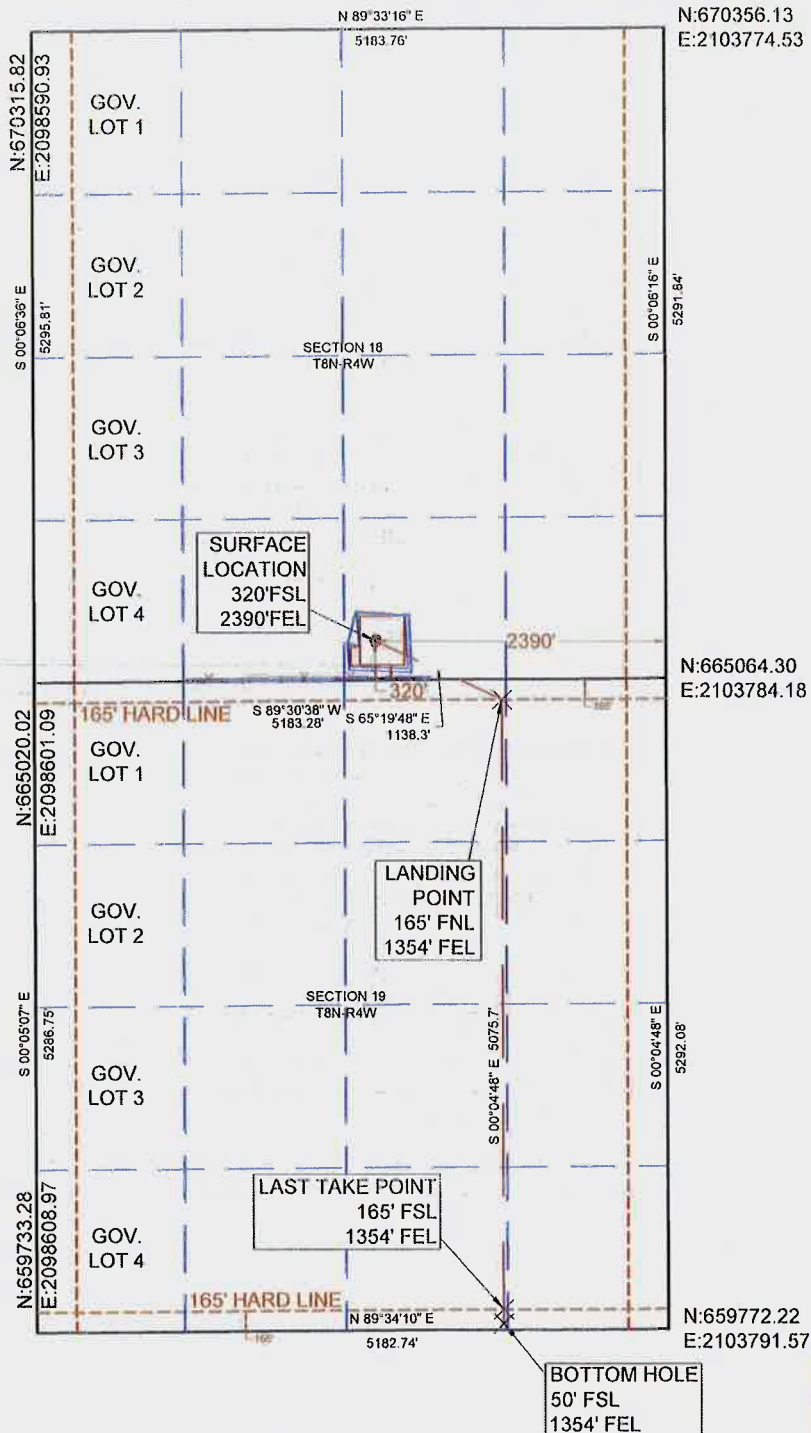
Lease Name: JUNE 1H-19'

Section 18 Township 8 N Range 4 W, I.B.M., County of McClain, State of Oklahoma

Elevation Good Location?

Original Location: 320'FSL - 2390'FEL 1255' GROUND YES

Distance & Direction From Nearest Town: 1.6 miles North of Blanchard.



SURFACE LOCATION

DATUM: NAD27

LAT: 35° 09' 40.27"N

LONG: 97° 39' 38.86"W

LAT: 35.161187°N

LONG: 97.660794°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 665363.8

X (E): 2101393.84

DATUM: NAD83

LAT: 35° 09' 40.51"N

LONG: 97° 39' 40.00"W

LAT: 35.161253°N

LONG: 97.661110°W

STATE PLANE

COORDINATES: (US

SURVEY FEET)

ZONE: SOUTH ZONE

Y (N): 665406.41

X (E): 2069796.91

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 CFEDS

SURVEY BY: M & M Land Surveying, Inc. - C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2016 C.A. No. 5975 (LS) - Aaron L. Morris, RPLS	
PROJECT NUMBER: 17498	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 11/16/2017
	DRAWING DATE: 11/17/2017