API NUMBER: 051 24197

Horizontal Hole Oil & Gas

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

Approval Date: 09/25/2017
Expiration Date: 03/25/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 7N Rge: 5W County: GRADY

SPOT LOCATION: W2 NW NE NW

FEET FROM QUARTER: FROM **NORTH** FROM **WEST**

SECTION LINES: **330** **1475**

Lease Name: CARLIN **Well No: 1H-2X** **Well will be 330 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

DELBERT J. CARLIN AND DESIRAE M. CARLIN
PO BOX 268
BLANCHARD OK 73010

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	10761	6		
2	WOODFORD	11020	7		
3	HUNTON	11152	8		
4			9		
5			10		

Spacing Orders: 668165

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703752
201703753

Special Orders:

Total Depth: 21351 Ground Elevation: 1320 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 470

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

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

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: 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 not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 02 Twp 7N Rge 5W County GRADY

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1368

Depth of Deviation: 10359

Radius of Turn: 409

Direction: 359

Total Length: 10350

Measured Total Depth: 21351

True Vertical Depth: 11152

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

Notes:

Category	Description
DEEP SURFACE CASING	9/19/2017 - 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.

Category	Description
HYDRAULIC FRACTURING	9/19/2017 - 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	9/19/2017 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED, AND BURIED ON SITE; PIT 3 - OBM TO VENDOR
PENDING CD - 201703752	9/25/2017 - G60 - (I.O.) 2 & 11-7N-5W EST MULTIUNIT HORIZONTAL WELL X668165 MSSP, WDFD, HNTN (MSSP AND HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 2-7N-5W 20% 11-7N-5W NO OP. NAMED REC. 8/15/17 (DUNN)
PENDING CD - 201703753	9/25/2017 - G60 - (I.O.) 2 & 11-7N-5W X668165 MSSP, WDFD, HNTN SHL NW4 2-7N-5W *** COMPL. INT. (2-7N-5W) NCT 165' FNL, NCT 0' FSL, NCT 1000' FWL COMPL. INT. (11-7N-5W) NCT 0' FNL, NCT 165' FSL, NCT 1000' FWL NO OP. NAMED REC. 8/15/17 (DUNN) ***SHL WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 668165	9/22/2017 - G60 - (640) 2 & 11-7N-5W X658366 MSSP, WDFD, HNTN COMP. INT. (MSSP, HNTN) NLT 660' FB COMP. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP. ORDER 98014 MSRH)

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

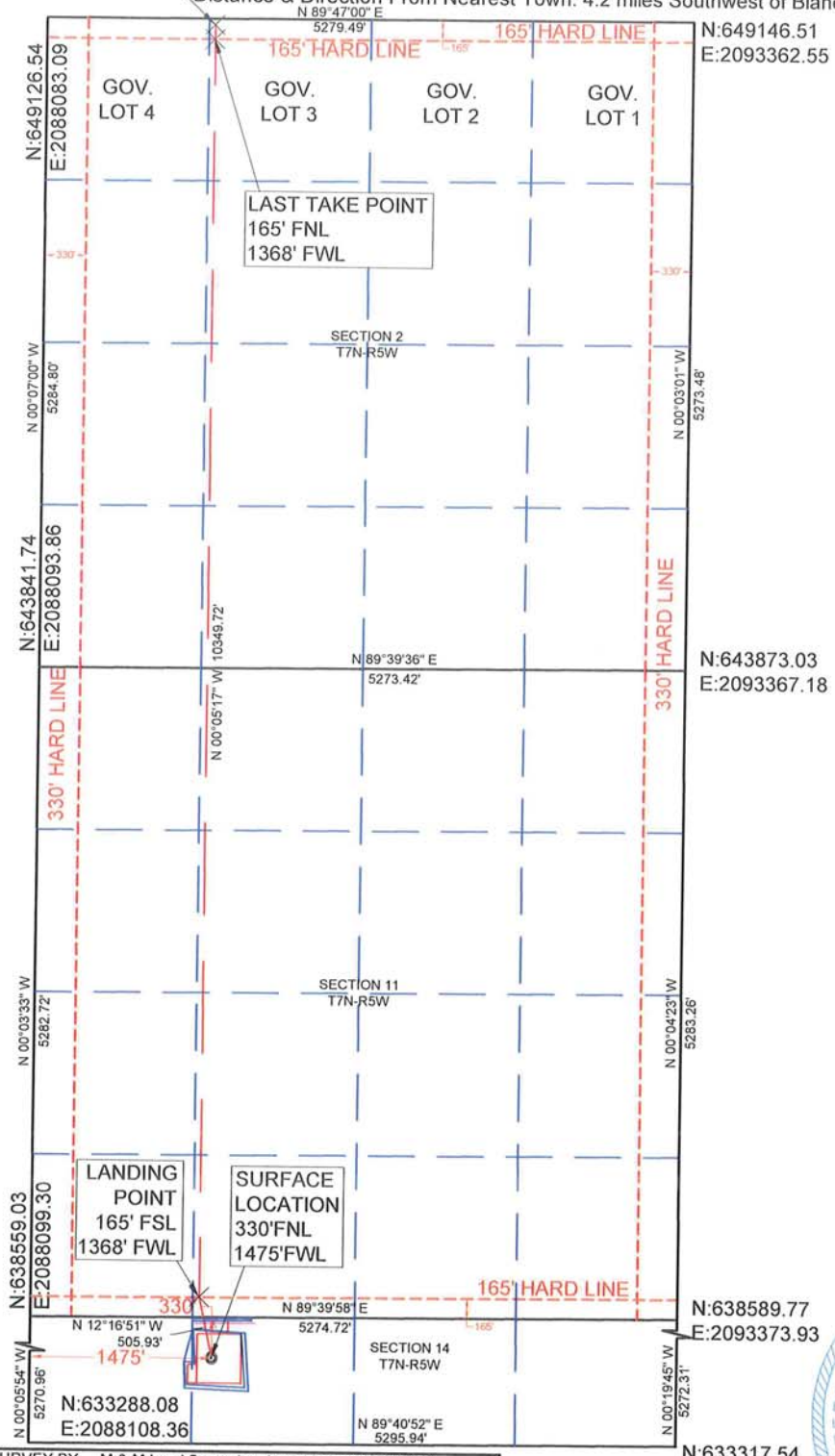
3505124197

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: CARLIN 1H-2X
Section 14 Township 7 N Range 5 W , I.B.M, County of Grady, State of Oklahoma

Original Location:	330'FNL - 1475'FWL	Elevation 1320' GROUND	Good Location? YES

Distance & Direction From Nearest Town: 4.2 miles Southwest of Blanchard.



SURFACE LOCATION

DATUM: NAD27
LAT: 35° 05' 12.34"N
LONG: 97° 42' 02.17"W
LAT: 35.086761°N
LONG: 97.700603°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: SOUTH ZONE
Y (N): 638237.71
X (E): 2089574.75

DATUM: NAD83
LAT: 35° 05' 12.58"N
LONG: 97° 42' 03.31"W
LAT: 35.086828°N
LONG: 97.700919°W
STATE PLANE COORDINATES: (US SURVEY FEET)
ZONE: SOUTH ZONE
Y (N): 638280.01
X (E): 2057977.94

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

N

BASIS OF BEARINGS ARE GRID NORTH COORDINATES ARE NAD27

SCALE 1" = 1500'

0' 1500'

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
D. HARRY MCCLINTICK
1367
OKLAHOMA

8/11/17

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.	
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PROJECT NUMBER:	SITE VISIT: (Explanation and Date)
17278	STAKING DATE: 06/27/2017
SHEET: 6 OF 10	DRAWING DATE: 08/09/2017