

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

API NUMBER: 051 24491 A

Approval Date: 10/04/2018  
Expiration Date: 04/04/2020

Horizontal Hole Oil & Gas

Amend reason: BHL CHANGE AND UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 7N Rge: 5W County: GRADY  
SPOT LOCATION: ☐ NE ☐ SW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 960 1870

Lease Name: RICKS Well No: 7-5-4-1H Well will be 960 feet from nearest unit or lease boundary.  
Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2812105100; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC  
4 WATERWAY AVE STE 100  
THE WOODLANDS, TX 77380-2764

ALMA RICKS  
1515 SILVER OAK DRIVE  
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	11456	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 684309

Location Exception Orders: 688215

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17012

Ground Elevation: 1268

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 400

Deep surface casing has been approved

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: 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? Y

Wellhead Protection Area? Y

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35257

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 18 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? Y

Wellhead Protection Area? Y

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 04 Twp 7N Rge 5W County GRADY

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2540

Depth of Deviation: 11074

Radius of Turn: 558

Direction: 10

Total Length: 5061

Measured Total Depth: 17012

True Vertical Depth: 11456

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

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

8/24/2018 - 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](http://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](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 688215

9/17/2018 - G57 - (I.O.) 4-7N-5W  
X684309 WDFD  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
NEWFIELD EXPLORATION MID-CONTINENT, INC.  
12/13/2018

MEMO

8/24/2018 - 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

PUBLIC WATER SUPPLY WELLS

8/24/2018 - G71 - MIDDLEBERG SCHOOL - 2 PWS/WPA, SW/4 4-7N-5W

SPACING - 684309

9/17/2018 - G57 - (640)(HOR) 4-7N-5W  
EXT 671658 WDFD, OTHER  
EXT OTHER  
POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL

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

051 24491 RICKS 7-5-4-1H

The duration of this permit is 18 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.

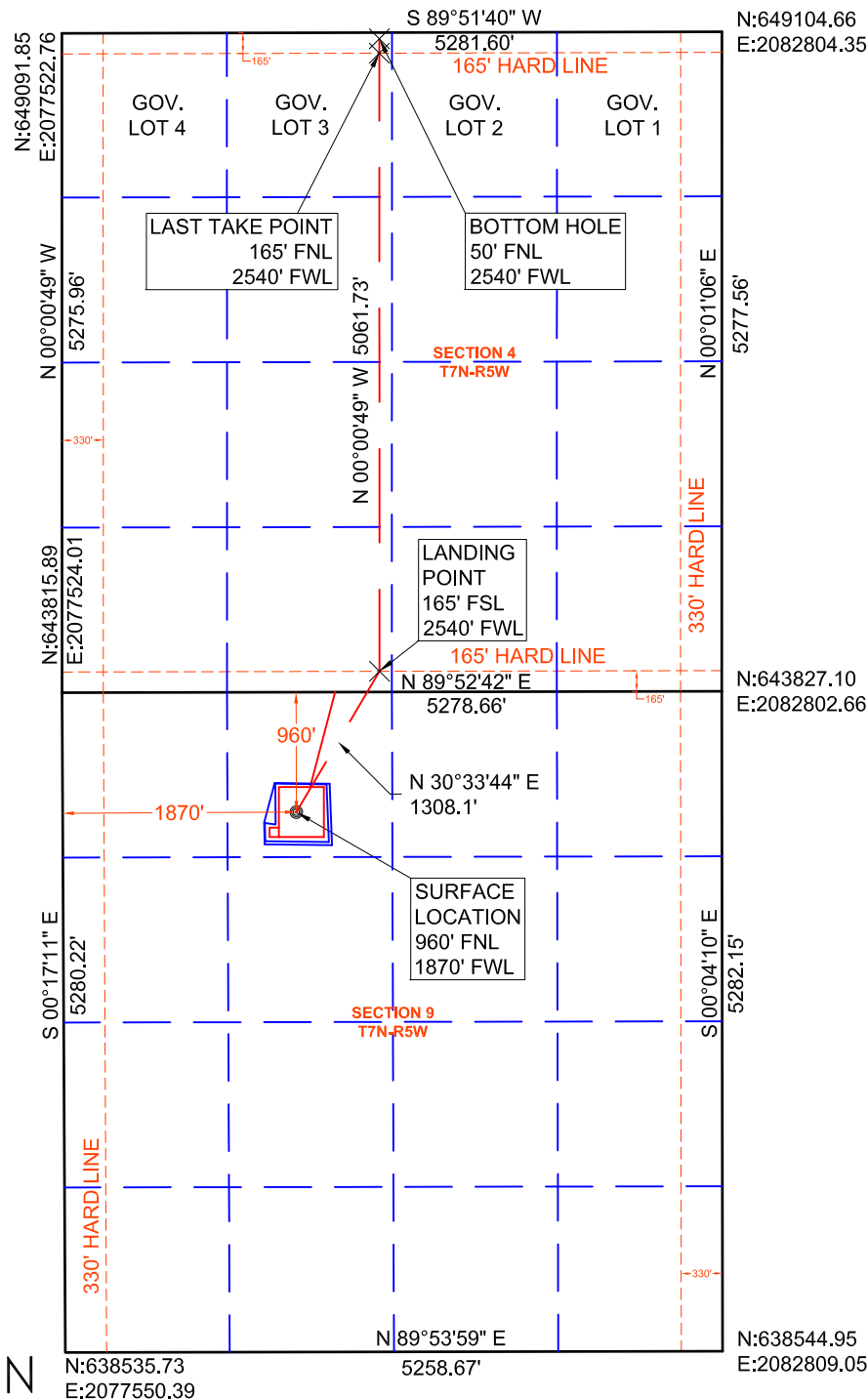
**PERMIT PLAT**

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

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**Lease Name: **RICKS 7-5-4-1H**Section 9 Township 7 N Range 5 W , I.B.M., County of Grady, State of Oklahoma  
Elevation Good Location?

Original Location: 960'FNL - 1870'FWL 1268' GROUND YES

Distance &amp; Direction From Nearest Town: 5.0 miles Southwest of Blanchard

**SURFACE LOCATION**

DATUM: NAD27  
LAT: 35° 05' 58.34"N  
LONG: 97° 44' 04.47"W  
LAT: 35.099539°N  
LONG: 97.734574°W  
Y (N): 642859.89  
X (E): 2079398.81  
DATUM: NAD83  
LAT: 35° 05' 58.58"N  
LONG: 97° 44' 05.61"W  
LAT: 35.099605°N  
LONG: 97.734892°W  
Y (N): 642902.15  
X (E): 2047801.9

**LANDING POINT**

DATUM: NAD27  
LAT: 35° 06' 09.46"N  
LONG: 97° 43' 56.43"W  
LAT: 35.102629°N  
LONG: 97.732341°W  
Y (N): 643986.28  
X (E): 2080063.97  
DATUM: NAD83  
LAT: 35° 06' 09.70"N  
LONG: 97° 43' 57.57"W  
LAT: 35.102695°N  
LONG: 97.732658°W  
Y (N): 644028.56  
X (E): 2048467.06

**LAST TAKE POINT**

DATUM: NAD27  
LAT: 35° 06' 58.39"N  
LONG: 97° 43' 56.28"W  
LAT: 35.116220°N  
LONG: 97.732301°W  
Y (N): 648932.97  
X (E): 2080062.83  
DATUM: NAD83  
LAT: 35° 06' 58.63"N  
LONG: 97° 43' 57.43"W  
LAT: 35.116286°N  
LONG: 97.732618°W  
Y (N): 648975.29  
X (E): 2048465.89

**BOTTOM HOLE**

DATUM: NAD27  
LAT: 35° 06' 59.53"N  
LONG: 97° 43' 56.28"W  
LAT: 35.116536°N  
LONG: 97.732300°W  
Y (N): 649047.97  
X (E): 2080062.8  
DATUM: NAD83  
LAT: 35° 06' 59.77"N  
LONG: 97° 43' 57.42"W  
LAT: 35.116602°N  
LONG: 97.732617°W  
Y (N): 649090.29  
X (E): 2048465.86

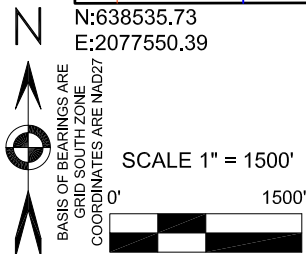
This location has been staked according to the best official survey records available to us. The metrical data shown hereon is for permitting the well location and the section location may or may not be field verified. Please review this plat and notify us immediately of any discrepancy. The metrical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

**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.

 9/12/2019

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



COORDINATES ARE AS SHOWN ARE  
DERIVED FROM OPUS SOLUTION.  
PROJECTION: OKLAHOMA SOUTH  
ZONE, LAMBERT CONFORMAL  
HORIZONTAL: NAD27  
VERTICAL: NAVD88  
GEOID MODEL: GEOID 99  
UNITS: US SURVEY FEET



SURVEY BY: M & M Land Surveying, Inc. ~ C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2019 C.A. No. 5975 (LS) ~ Aaron L. Morris, RPLS	
PROJECT NUMBER: 192001	SITE VISIT: (Explanation and Date)
STAKING DATE: 05/02/2018	
SHEET: 1 OF 1	
DRAWING DATE: 09/12/2019	