

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

API NUMBER: 073 26324

Approval Date: 10/26/2018  
Expiration Date: 04/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 17N Rge: 8W County: KINGFISHER  
SPOT LOCATION:  NW  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 250 1830

Lease Name: JR BARTON Well No: 1708 5H-28X Well will be 250 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

KACY POWELL  
605 HOMESTEAD COURT  
COLWICH KS 67030

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8250	6	
2 MISSISSIPPIAN (LESS CHESTER)	8250	7	
3 WOODFORD	8812	8	
4		9	
5		10	

Spacing Orders: 650033

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805937  
201805938  
201805950  
201805946  
201805947

Special Orders:

Total Depth: 18593

Ground Elevation: 1129

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 210

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: 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: CEDAR HILLS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35309

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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

HORIZONTAL HOLE 1

Sec 33 Twp 17N Rge 8W County KINGFISHER

Spot Location of End Point: S2 S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 7838

Radius of Turn: 281

Direction: 175

Total Length: 10313

Measured Total Depth: 18593

True Vertical Depth: 8812

End Point Location from Lease,  
Unit, or Property Line: 85

Notes:

Category

Description

DEEP SURFACE CASING

10/24/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/24/2018 - GA8 - 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)

MEMO

10/24/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201805937

10/26/2018 - G56 - 28-17N-8W  
X650033 MSNLC  
5 WELLS  
NO OP. NAMED  
REC 9-25-2018 (MILLER)

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.

073 26324 JR BARTON 1708 5H-28X

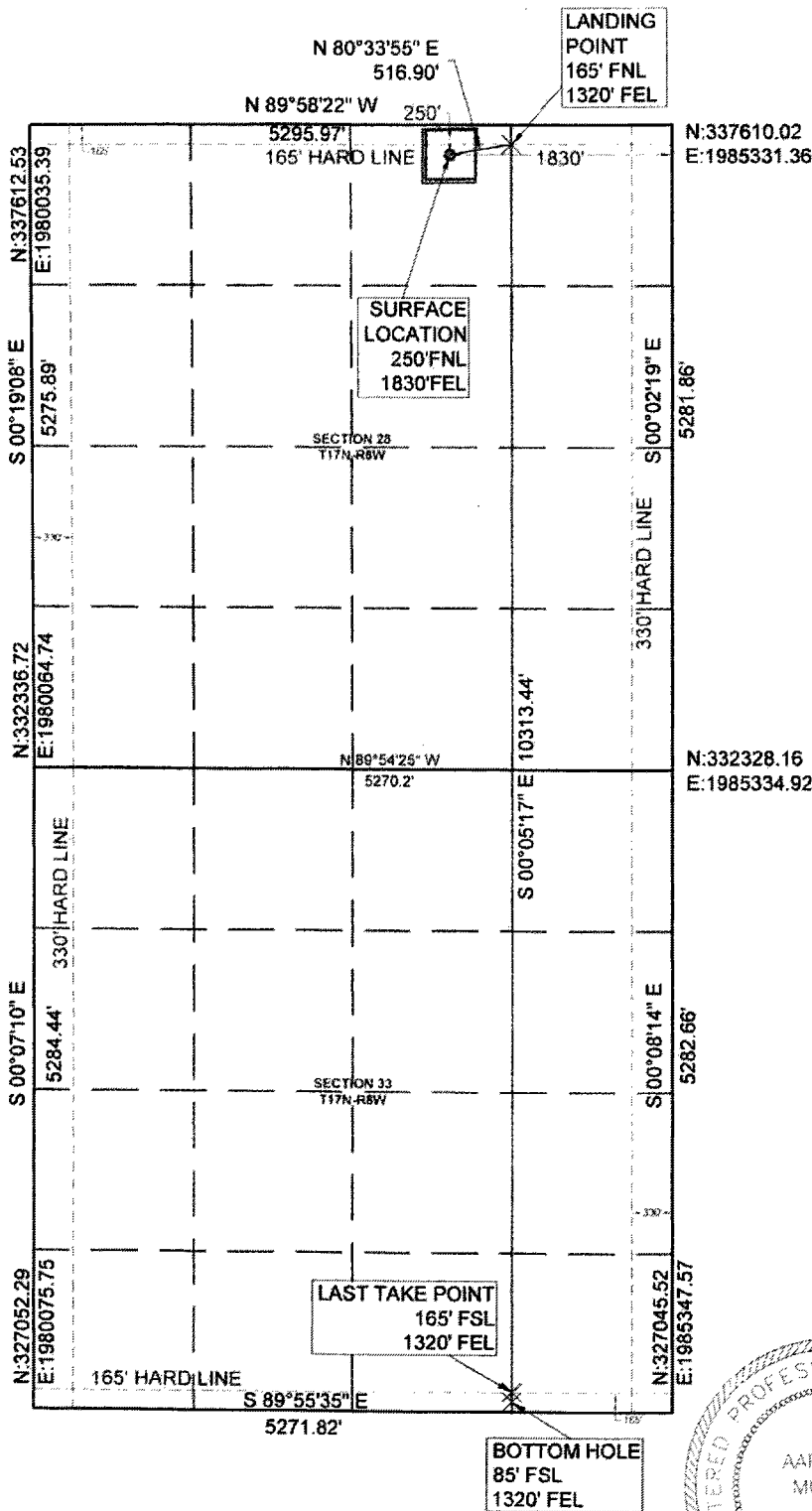
Category	Description
PENDING CD - 201805938	10/26/2018 - G56 - 33-17N-8W X650033 MSSP, WDFD 5 WELLS NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805946	10/26/2018 - G56 - (I.O.) 28 & 33-17N-8W EST MULTIUNIT HORIZONTAL WELL X650033 MSNLC, WDFD 28-17N-8W X650033 MSSP, WDFD 33-17N-8W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSNLC & MSSP) 50% 28-17N-8W 50% 33-17N-8W NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805947	10/26/2018 - G56 - (I.O.) 28 & 33-17N-8W X650033 MSNLC, WDFD 28-17N-8W X650033 MSSP, WDFD 33-17N-8W SHL NE4 28-17N-8W COMPL. INT.(28-17N-8W) NCT 165' FNL, NCT 0' FSL, NCT 990' FEL COMPL. INT.(33-17N-8W) NCT 0' FNL, NCT 165' FSL, NCT 990' FEL NO OP. NAMED REC 9-25-2018 (MILLER)
PENDING CD - 201805950	10/26/2018 - G56 - (I.O.) 28 & 33-17N-8W X165:10-3-28(C)(2)(B) MSNLC, MSSP (JR BARTON 1708 3H-28X) MAY BE CLOSER THAN 600' TO THE FLOYD CROSS(CROSS UNIT 1), PECK 28-1, G.V. BARNARD A-1, J.F. FISHER 1, J.R. BARTON 1H-28X & PROPOSED HORIZONTAL WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. REC 9-25-2018 (MILLER)
SPACING - 650033	10/26/2018 - G56 - (640)(HOR) 28 & 33-17N-8W EXT 637371 MSSP 33-17N-8W EXT 637371 WDFD 28 & 33-17N-8W EST MSNLC 28-17N-8W POE TO BHL (MSNLC, MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. ORDER # 42491 MSCTR 33-17N-8W, ORDER #189915 MNNG N2 33-17N-8W, ORDER #67497/163799/166140 MSSLM 33-17N-8W, ORDER #89974/93777 MSSLM N2 28-17N-8W, ORDER #91707/143505 MSSLM SW4 28-17N-8W, ORDER #91707/143505/164783 MSSLM SE4 28- 17N-8W)

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**

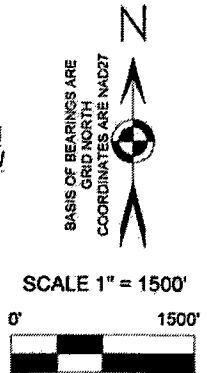
M & M Land Surveying, Inc.  
 Phone (580) 226-0446  
 520 E Street N.W.  
 Ardmore, OK 73401

Company Name: **NEWFIELD EXPLORATION MID-CONTINENT INC.**  
 Lease Name: **JR BARTON 1708 5H-28X**  
 Section 28 Township 17 N Range 8 W , I.B.M, County of Kingfisher, State of Oklahoma  
 Elevation Good Location?  
 Original Location: 250'FNL - 1830'FEL 1129' GROUND YES  
 Distance & Direction From Nearest Town: 8.3 miles Northwest of Kingfisher



**SURFACE LOCATION**  
 DATUM: NAD27  
 LAT: 35° 55' 36.42"N  
 LONG: 98° 03' 20.60"W  
 LAT: 35.926784°N  
 LONG: 98.055722°W  
 STATE PLANE  
 COORDINATES: (US SURVEY FEET)  
 ZONE: NORTH ZONE  
 Y (N): 337360.84  
 X (E): 1983501.83

DATUM: NAD83  
 LAT: 35° 55' 36.57"N  
 LONG: 98° 03' 21.81"W  
 LAT: 35.926825°N  
 LONG: 98.056059°W  
 STATE PLANE  
 COORDINATES: (US SURVEY FEET)  
 ZONE: NORTH ZONE  
 Y (N): 337384.57  
 X (E): 1951902.48

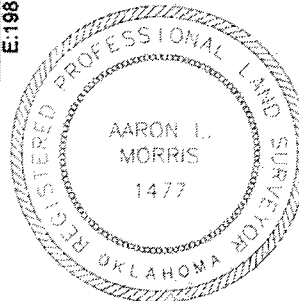


DATA DERIVED FROM  
 G.P.S. WITH O.P.U.S.  
 DATA.

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.



*[Signature]* 8/20/2018  
 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

SURVEY BY: M & M Land Surveying, Inc. - C.A. No. 3093 (LS)	
DRAWING BY: Bennett-Morris And Associates Land Surveying, P.C.	
© COPYRIGHT 2018 C.A. No. 5975 (LS) - Aaron L. Morris, RPLS	
PROJECT NUMBER: 18304	SITE VISIT: (Explanation and Date)
SHEET: 6 OF 10	STAKING DATE: 07/18/2018
	DRAWING DATE: 08/15/2018