

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

API NUMBER: 073 25935

Approval Date: 02/23/2018

Expiration Date: 08/23/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 9W

County: KINGFISHER

SPOT LOCATION:  SE  NW  NW  NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 350 2200

Lease Name: HAUSER

Well No: 1709 2H-27X

Well will be 350 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

JEFFERY & KAREN LITTLEFIELD TRUST  
2720 NW 154TH STREET  
EDMOND OK 73013

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (EX CHESTER)	8608	6	
2	WOODFORD	9208	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800402  
201800403  
201800487  
201800400  
201800401

Special Orders:

Total Depth: 19270

Ground Elevation: 1233

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

**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.

B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 27 Twn. 17N Rng. 9W Cnty. 73 Order No: 659856

G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741

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 34 Twp 17N Rge 9W County KINGFISHER

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1332

Depth of Deviation: 7824

Radius of Turn: 715

Direction: 175

Total Length: 10323

Measured Total Depth: 19270

True Vertical Depth: 9208

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

Notes:

Category	Description
DEEP SURFACE CASING	2/14/2018 - 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

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The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
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Category	Description
HYDRAULIC FRACTURING	<p>2/14/2018 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	<p>2/14/2018 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM &amp; OBM CUTTINGS CAPTURED IN STEEL HALF PITS; PIT 2 - TRANSFERRED TO BACKYARD ENERGY SERVICES 659856 (27-17N-9W, KINGFISHER CO); PIT 3 - TRANSFERRED TO BACKYARD ENERGY SERVICES 647741 (22-16N-9W), KINGFISHER CO); OBM TO VENDOR</p>
PENDING CD – 201800400	<p>2/14/2018 - G58 - (I.O.) 27-17N-9W X641147 MSNLC 5 WELLS NO OP. NAMED REC 2/5/2018 (NORRIS)</p>
PENDING CD – 201800401	<p>2/14/2018 - G58 - (I.O.) 34-17N-9W X641147 MSNLC 5 WELLS NO OP. NAMED REC 2/5/2018 (NORRIS)</p>
PENDING CD – 201800402	<p>2/14/2018 - G58 - (I.O.) 27 &amp; 34-17N-9W EST MULTIUNIT HORIZONTAL WELL X641147 MSNLC, WDFD (27 &amp; 34-17N-9W) 50% 27-17N-9W 50% 34-17N-9W NO OP. NAMED REC 2/5/2018 (NORRIS)</p>
PENDING CD – 201800403	<p>2/14/2018 - G58 - (I.O.) 27 &amp; 34-17N-9W X641147 MSNLC, WDFD (27 &amp; 34-17N-9W) COMPL. INT. (34-17N-9W) NCT 165' FSL, NCT 0' FNL, NCT 990' FEL COMPL. INT. (27-17N-9W) NCT 0' FSL, NCT 165' FNL, NCT 990' FEL NO OP. NAMED REC 2/5/2018 (NORRIS)</p>
PENDING CD – 201800487	<p>2/14/2018 - G58 - (I.O.) 27 &amp; 34-17N-9W X165:10-3-28(C)(2)(B) MSNLC, WDFD (HAUSER 1709 6H 27X) MAY BE CLOSER THAN 600' TO EXISTING OR PROPOSED WELL REC 2/5/2018 (NORRIS)</p>
SPACING – 641147	<p>2/14/2018 - G58 - (640)(HOR) 27 &amp; 34-17N-9W EXT 631057 WDFD EST MSNLC COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL (COEXIST SP. ORDER 83337 MSSSD; SP. ORDER 85148 MSSSD)</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

073-25935

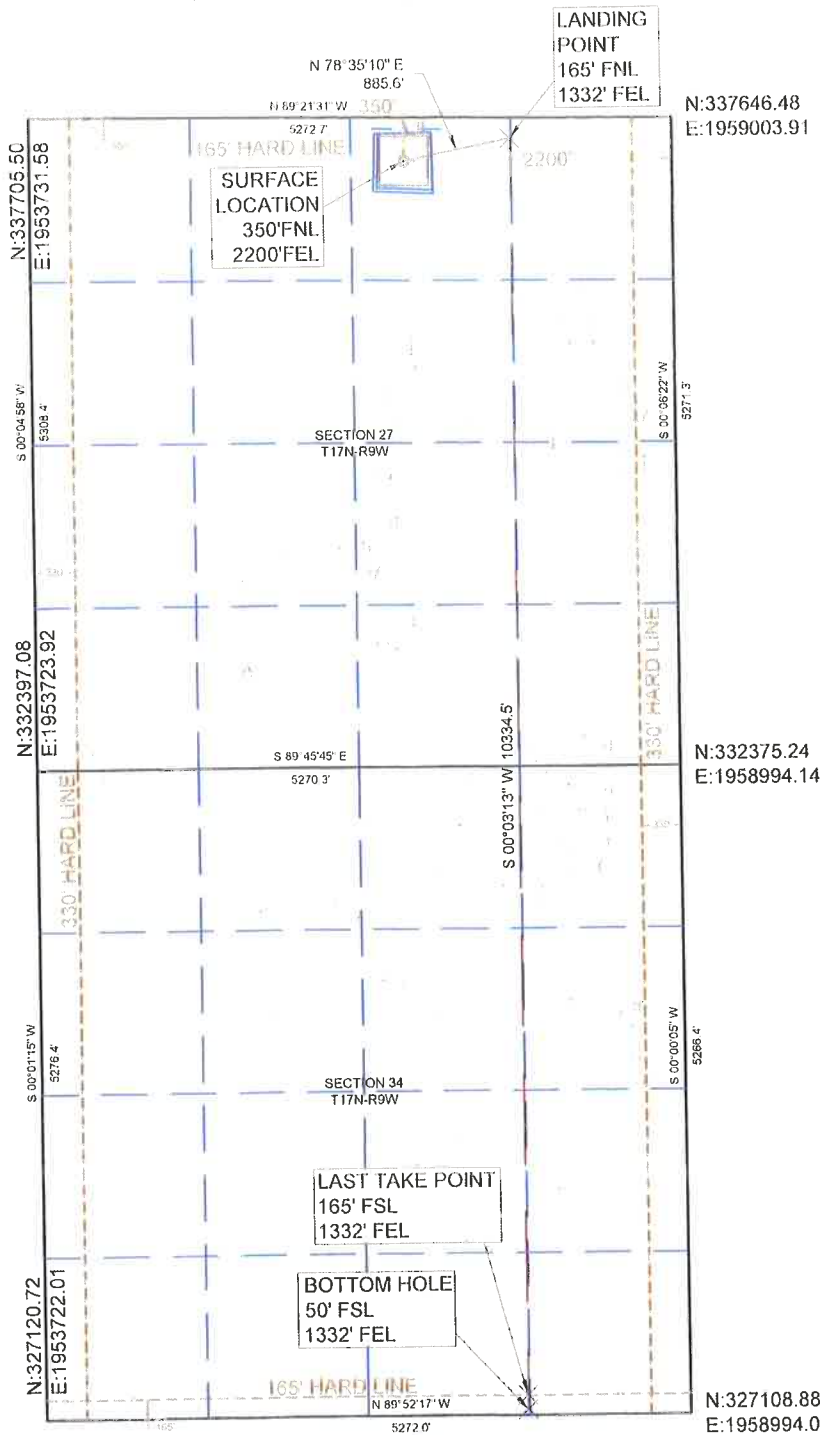
Company Name: NEWFIELD EXPLORATION MID-CONTINENT INC.

Lease Name: HAUSER 1709 2H 27X

Section 27 Township 17 N Range 9 W I.B.M. County of Kingfisher, State of Oklahoma

Original Location: 350'FNL - 2200'FEL 1233' GROUND Elevation Good Location? YES

Distance & Direction From Nearest Town: 12.8 miles Northwest of Kingfisher



**SURFACE LOCATION**  
 DATUM: NAD27  
 LAT: 35° 55' 35.76"N  
 LONG: 98° 08' 45.22"W  
 LAT: 35.926599°N  
 LONG: 98.145895°W  
 STATE PLANE  
 COORDINATES: (US  
 SURVEY FEET)  
 ZONE: NORTH ZONE  
 Y (N): 337321.1  
 X (E): 1956803.41

DATUM: NAD83  
 LAT: 35° 55' 35.90"N  
 LONG: 98° 08' 46.45"W  
 LAT: 35.926639°N  
 LONG: 98.146236°W  
 STATE PLANE  
 COORDINATES: (US  
 SURVEY FEET)  
 ZONE: NORTH ZONE  
 Y (N): 337344.75  
 X (E): 1925203.57

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 2017 C.A. No. 5975 (LS) - Aaron L. Morris, RPLS	
PROJECT NUMBER: 17539	SITE VISIT: (Explanation and Date)
SHEET 6 OF 10	STAKING DATE: 12/18/2017
	DRAWING DATE: 01/02/2018