

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

API NUMBER: 073 25962 A

Approval Date: 03/12/2018
Expiration Date: 09/12/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE OBM AND WBM DISPOSAL METHOD

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 17N Rge: 9W County: KINGFISHER
SPOT LOCATION: SW SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 240 2170

Lease Name: HAUSER Well No: 1709 3H-27X Well will be 240 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

EUGENE W. & L. NAN HAUSER TRUST
2967 EAST 770 RD.
OMEGA OK 73764

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	8779	6	
2 WOODFORD	9371	7	
3		8	
4		9	
5		10	

Spacing Orders: 641147 Location Exception Orders: 675561 Increased Density Orders: 676582
676442 675751 676583

Pending CD Numbers:

Special Orders:

Total Depth: 19564 Ground Elevation: 1228 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 460

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.

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 27 Twp 17N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2224

Depth of Deviation: 8591

Radius of Turn: 414

Direction: 3

Total Length: 10323

Measured Total Depth: 19564

True Vertical Depth: 9371

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

Notes:

Category	Description
DEEP SURFACE CASING	3/9/2018 - 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
EXCEPTION TO RULE - 675751	3/9/2018 - G58 - (I.O.) 27 & 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 NEWFIELD EXPLORATION MID-CONTINENT INC. 4/4/2018

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Category	Description
HYDRAULIC FRACTURING	3/9/2018 - 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 ; 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
INCREASED DENSITY - 676582	3/9/2018 - G58 - 27-17N-9W X641147 MSNLC 5 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 4/20/2018
INCREASED DENSITY - 676583	3/9/2018 - G58 - 34-17N-9W X641147 MSNLC 5 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 4/20/2018
INTERMEDIATE CASING	3/9/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
LOCATION EXCEPTION - 675561	3/9/2018 - G58 - (I.O.) 27 & 34-17N-9W X641147 MSNLC, WDFD (27 & 34-17N-9W) COMPL. INT. (34-17N-9W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (27-17N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL NEWFIELD EXPLORATION MID-CONTINENT INC. 3/30/2018
MEMO	4/27/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM = STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO; PIT 3 - OBM TO VENDOR
SPACING - 676442	3/9/2018 - G58 - (I.O.) 27 & 34-17N-9W EST MULTIUNIT HORIZONTAL WELL X641147 MSNLC, WDFD (27 & 34-17N-9W) 50% 27-17N-9W 50% 34-17N-9W NEWFIELD EXPLORATION MID-CONTINENT INC. 4/18/2018
SPACING - 641147	3/9/2018 - G58 - (640)(HOR) 27 & 34-17N-9W EXT 631057 WDFD EST MSNLC COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 83337 MSSSD; SP. ORDER 85148 MSSSD)

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