

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

API NUMBER: 073 25310 A

Approval Date: 06/07/2016
Expiration Date: 12/07/2016

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION: ADD ID FOR SECTION 21

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 16N Rge: 8W

County: KINGFISHER

SPOT LOCATION: SE SW SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 261 452

Lease Name: CHLOUBER

Well No: 3H-16UMX

Well will be 261 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC

Telephone: 9188781290; 9188781

OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
1 WILLIAMS CTR STE 1900
TULSA, OK 74172-0162

NORMAN CHLOUBER AND JANET CHLOUBER
21930 N. 2780 RD
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8656	6	
2	WOODFORD	9136	7	
3			8	
4			9	
5			10	

Spacing Orders: 635870

Location Exception Orders: 653238

Increased Density Orders: 653085

Pending CD Numbers: 201601422
201601424

Special Orders:

Total Depth: 19059

Ground Elevation: 1098

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

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 located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: CEDAR HILLS

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. 6 Twn. 2N Rng. 4W Cnty. 137 Order No: 617361

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 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

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 150000

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 16 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1490

Depth of Deviation: 8544

Radius of Turn: 740

Direction: 6

Total Length: 9352

Measured Total Depth: 19059

True Vertical Depth: 9136

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

Notes:

Category	Description
DEEP SURFACE CASING	6/6/2016 - 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
HYDRAULIC FRACTURING	6/6/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

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Category	Description
INCREASED DENSITY - 653085	6/7/2016 - G60 - 16-16N-8W X635870 MSSP 5 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 5-31-16
INTERMEDIATE CASING	6/6/2016 - 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 - 653236	6/7/2016 - G60 - 16 & 21-16N-8W X635870 MSSP, WDFD X165:10-3-28(C)(2)(B) MSSP, WDFD (CHLOUBER 3H-16UMX) MAY BE CLOSER THAN 600' TO CHLOUBER 2H-16LMX, CHLOUBER 4H-16LMX, CHLOUBER 7-21 SHL SW4 21-16N-8W COMPL. INT. (21-1N-8W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (16-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 6-3-16
MEMO	6/6/2016 - 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 - 201601422	6/7/2016 - G60 - (I.O.) 16 & 21-16N-8W EST MULTIUNIT HORIZONTAL WELL X635870 MSSP, WDFD (WDFD ASSOCIATED COMMON SOURCES OF SUPPLY TO MSSP) 50% 16-16N-8W 50% 21-16N-8W NO OP. NAMED REC. 5-13-16 (MCKEOWN)
PENDING CD - 201601424	6/9/2016 - G60 - 21-16N-8W X635870 MSSP 5 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC. 5-13-16
SPACING - 635870	6/7/2016 - G60 - (640) 16 & 21-16N-8W VAC 42491 MCSTR 21-16N-8W VAC 69145 MSSLM 21-16N-8W VAC 89386 MISS, MNNG, E2 NW4, E2 NE4, W2 SW4, E2 SE4 (21) VAC 202353 MCSMN, MSSLM NW4, S2, E2 NE4 EXT 626748 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL, NCT 165' FSL, NCT 330' FEL OR FWL (COEXIST SP. ORDER # 202353 MCSMN, MSSLM W2 NE4 16-16N-8W & SP. ORDER # 83896 MNNG, MISS W2 NW4, W2 NE4, W2 SE4, E2 SW4 21-16N-8W)

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