

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

API NUMBER: 073 26423

Approval Date: 01/11/2019

Expiration Date: 07/11/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 16N Rge: 8W County: KINGFISHER

SPOT LOCATION: SE SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 240 1660

Lease Name: BENGIS Well No: 1608 7H-3X 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

DAVID KRETCHMAR
26786 N. 2845 RD.
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8362	6	
2	WOODFORD	8916	7	
3			8	
4			9	
5			10	

Spacing Orders: 637371
640878

Location Exception Orders:

Increased Density Orders: 688073
688072

Pending CD Numbers: 201807654
201807652
201807653

Special Orders:

Total Depth: 18802

Ground Elevation: 1159

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35885

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 03 Twp 16N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8109

Radius of Turn: 477

Direction: 350

Total Length: 9944

Measured Total Depth: 18802

True Vertical Depth: 8916

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

Notes:

Category

Description

DEEP SURFACE CASING

11/19/2018 - G71 - 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

11/19/2018 - 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 - 688072

1/8/2019 - G75 - 3-16N-8W
X637371 MSSP **
7 WELLS
NEWFIELD EXPLOR. MID-CONT. INC.
12-11-2018

** S/B X637371/640878 MSSP; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC

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Category	Description
INCREASED DENSITY - 688073	1/8/2019 - G75 - 10-16N-8W X637371 MSSP ** 7 WELLS NEWFIELD EXPLOR. MID-CONT. INC. 12-11-2018 ** S/B X637371/640878 MSSP; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC
INTERMEDIATE CASING	11/19/2018 - 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
MEMO	11/19/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM SOIL-FARMED; WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498); PIT 2 - OBM TO VENDORNDOR
PENDING CD - 201807652	1/8/2019 - G75 - (I.O.) 10 & 3-16N-8W EST MULTIUNIT HORIZONTAL WELL X637371 MSSP, WDFD ** (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 10-16N-8W 50% 3-16N-8W NO OP. NAMED REC 10-30-2018 (DUNN) ** S/B X637371/640878 MSSP, WDFD; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR
PENDING CD - 201807653	1/8/2019 - G75 - (I.O.) 10 & 3-16N-8W X637371 MSSP, WDFD ** COMPL. INT. (10-16N-8W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (3-16N-8W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 10-30-2018 (DUNN) ** S/B X637371/640878 MSSP, WDFD; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR
PENDING CD - 201807654	1/8/2019 - G75 - (I.O.) 10 & 3-16N-8W X165:10-3-28(C)(2)(B) MSSP (BENGS 1608 7H-3X) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL NEWFIELD EXPLOR. MID-CONT INC. REC 10-30-2018 (DUNN)
SPACING - 637371	1/8/2019 - G75 - (640)(HOR) 10 & 3-16N-8W EXT 626748 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 42491 MCSTR & ORDER # 137396 MSSLM 3-16N-8W; ORDER # 91971 MNNG, MSSLM N2, SW4 & ORDER # 91971/196558 MNNG, MSSLM SE4 & ORDER # 198118 MSSNC SW4 10-16N-8W)
SPACING - 640878	1/8/2019 - G75 - NPT 637371 TO ALSO COEXIST SP. ORDER # 281290 UNCCR E2 SE4 3-16N-8W

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