

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

API NUMBER: 087 22216 A

Approval Date: 01/30/2019
Expiration Date: 07/30/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: REQUEST EXCESS SURF CSG.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 8N Rge: 4W County: MCCLAIN
SPOT LOCATION: W2 SE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 990 1695

Lease Name: FOSTER Well No: 8-4-29-20-1H Well will be 990 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2812105100; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

TERESA J. FOSTER
813 S. ROCKWELL AVENUE
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	10081	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 634434 Location Exception Orders: 684879 Increased Density Orders: 680379
674222
684878

Pending CD Numbers:

Special Orders:

Total Depth: 21430 Ground Elevation: 1230 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 480

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36126

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: DUNCAN

HORIZONTAL HOLE 1

Sec 20 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 9890

Radius of Turn: 750

Direction: 5

Total Length: 10362

Measured Total Depth: 21430

True Vertical Depth: 10081

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

Notes:

Category

Description

DEEP SURFACE CASING

5/10/2019 - 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

1/22/2019 - 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 - 680379

1/29/2019 - GA8 - 29-8N-4W
X634434 WDFD
1 WELL
NEWFIELD EXPLORATION MID-CONTINENT INC.
7/19/2018

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Category	Description
LOCATION EXCEPTION - 684879	<p>1/28/2019 - GA8 - (I.O.) 29 & 20-8N-4W X634434 WDFD, OTHERS 29-8N-4W X674222 WDFD, OTHERS 20-8N-4W SHL (29-8N-4W) SE4 ** COMPL. INT. (29-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (20-8N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NEWFIELD EXPLORATION MID-CON INC. 10/12/2018</p> <p>** ITD HAS SHL AS 990' FNL, 1695' FEL 32-8N-4W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER OPERATOR</p>
MEMO	<p>1/22/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM TO BE SOIL FARMED, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., # 3526013); PIT 2 - OBM TO VENDOR</p>
SPACING - 634434	<p>1/28/2019 - GA8 - (640)(HOR) 29-8N-4W EST WDFD, OTHERS COMPL. INT. NLT 330' FB</p>
SPACING - 674222	<p>1/28/2019 - GA8 - (640)(HOR) 20-8N-4W VAC OTHERS EXT 634434 WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL</p>
SPACING - 684878	<p>1/28/2019 - GA8 - (I.O.) 29 & 20-8N-4W EST MULTIUNIT HORIZONTAL WELL X634434 WDFD, OTHERS 29-8N-4W X674222 WDFD, OTHERS 20-8N-4W 50% 29-8N-4W 50% 20-8N-4W NEWFIELD EXPLOR. MID-CONT. INC. 10/12/2018</p>

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