



Corporate Office
 1775 Sherman Street, #3000
 Denver, Colorado 80203
 303.860.5800
www.pdce.com

October 18, 2018

Kerr-McGee Oil & Gas Onshore LP
 1099 18th Street, Suite 1800
 Denver, CO 80202

Re: Stimulation Setback Consent, Rule 317.s.
Vega 2N, 4N, 9N, 12N, 14N
Elkhead 2N, 4N, 6N, 7N, 10N, 11N, 12N, 13N, 14N, 15N
 SENW and SWNE, Section 6, T3N-R65W
 Weld County, Colorado

To Whom It May Concern,

PDC Energy, Inc. ("PDC") hereby requests a Statewide Fracture Stimulation Setback waiver from Kerr-McGee Oil & Gas Onshore LP, the offset operator of the following wells that are estimated to be closer than 150' to the subject well(s).

PDC Proposed Well	Encroached Upon Well		3D Interwell Distance
Vega 2N	Knaub 1-6	05-123-14970	115'
Vega 4N	Ludwig H 6-19	05-123-25465	97'
Vega 9N	Wardell 33-6	05-123-24086	145'
	Ludwig 3-6	05-123-15201	146'
Vega 12N	Wardell 35-6	05-123-24093	60'
	Wardell 13-6	05-123-21312	49'
	Wardell 22-7	05-123-22314	33'
	Wardell 3-7-5Z	05-123-21517	103'
Vega 14N	HSR-Cook 11-7A	05-123-15072	65'
	HSR-Harland 3-7A	05-123-15045	70'
	HSR-Jana 11-6A	05-123-15022	106'
	HSR-Roeder 14-7A	05-123-15064	113'
	HSR-Oberkfell 6-7A	05-123-15094	95'
Elkhead 2N	Ludwig 2-6	05-123-14932	31'
Elkhead 4N	Ludwig Gas Unit 5-6	05-123-15232	150'
Elkhead 6N	HSR-Hersh 9-6	05-123-14996	132'
Elkhead 7N	Knaub H 6-1 JI	05-123-20587	41'
Elkhead 10N	HSR-Arc 15-6A	05-123-15003	34'
	HSR-J T 10-6	05-123-14998	39'
	Ludwig 2-6	05-123-14932	124'



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Elkhead 10N	Wardell UPRR 32-7	05-123-14485	94'
Elkhead 11N	Wardell UPRR 31-7	05-123-12795	30'
Elkhead 12N	Wardell 17-7	05-123-23211	124'
Elkhead 13N	Wardell 20-6	05-123-23511	35'
	HSR-McReynolds 9-6	05-123-17807	88'
Elkhead 14N	Ludwig 6-6	05-123-15399	52'
Elkhead 15N	HSR-Hagan 16-6A	05-123-14997	46'
	Ludwig 6-6	05-123-15399	107'
	Wardell 41-7	05-123-16050	138'
	Wardell UPRR 42-7	05-123-13094	130'

Per COGCC Rule 317s., No portion of a proposed wellbore's treated interval shall be located within 150 feet of an existing (producing, shut-in, or temporarily abandoned) or permitted oil and gas wellbore's treated interval belonging to another operator without the signed written consent of the operator of the encroached upon wellbore. The signed written consent shall be attached to the Application for Permit-to-Drill, Form 2 for the proposed wellbore.

If Kerr-McGee Oil & Gas Onshore LP is in agreement to waive the Rule 317.s requirement, please sign the waiver in the space provided below.

Sincerely,

Ally Ota
Regulatory Technician
PDC Energy, Inc.

As the offset operator or a designated representative thereof, I understand that the subject well will be potentially drilled and stimulated within 150' of the offset well listed above. I hereby give my consent for the subject well(s).

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE LP

Signature

1/31/2019

Date

Alex Kaiser Sr. landman

Name, Title