

May 29, 2025

Mr. Patrick Lennberg Environmental Protection Specialist State of Colorado Division of Reclamation, Mining, & Safety *Physical Address:* 1313 Sherman Street, Room 215 Denver, CO 80203 *Mailing Address:* Division of Reclamation, Mining and Safety, Room 215 1001 East 62nd Avenue

RE: Adequacy Review No. 1, TR-3, Bennett Pit; Permit File No. M-2016-085 Adequacy Review No. 1 Response

Dear Mr. Lennberg,

Northern Colorado Constructors, Inc. has received the Division's adequacy review comments letter dated May 1, 2025. Below are the comments and the corresponding responses that have been provided to address the comments.

1. During the original permit application review the Operator in Adequacy Review Response #3, dated October 12, 2017, provided Appendix E Side Channel Spillway Maps and Calculations. In the submittal the Operator provided calculations and an explanation for the sizing of spillways for both reservoirs. Please update and submit a new Side Channel Maps and Calculations that discusses and accounts for decreasing the size of the side channel and spillway for the North Reservoir from 215 feet to 125 feet include a clear statement for why a spillway is no longer needed for the South Reservoir. Since the Rock Chute Design data was last completed in 2017, please update as needed and provide a summary of the differences, if any. Include what guidelines were used to determine the factor of safety used for the rip rap and what the basis for the estimated flow used is.

Response: The side channel spillway maps (Exhibit F1 – Reclamation Plan Map and Exhibit F2 – Side Channel Spillway) and side channel spillway length calculations are attached showing the configuration of the spillway, and calculations per UD&FCD methodology for determining the required spillway length. Note that the spillway depth has been revised to be 3.5 feet.

The updated Rock Chute Design data sheet is attached. The approach channel and chute widths have been modified to be 125 feet per the calculations referenced above. The factor of safety used for the rip rap was set to the minimum recommended value referenced in the calculation spreadsheet (1.2). The estimated flow was modified to be 1,600 cfs to match the capacity of the spillway as sized using the UD&FCD methodology referenced above. The updated Rock Chute Design data is attached.

-2-

The reclaimed South cell riverbank berm top width has been modified to be a minimum of 400 feet in width. Thus, per Table 2.1 of the Technical Review Guidelines for Gravel Mining & Water Storage Activities from Urban Drainage and Flood Control District, no river or pit side stabilization is required for the South cell pit side or river banks. Table 2.1 is attached.

2. For construction of the spillway is an USACE permit required and, if so, has the Operator obtained the permit?

Response: The construction of the spillway within the river bank area will be done under the USACE Nationwide Permit No. 7.

3. Please clearly state the reason why mining between the reservoirs can occur whereas in the original permit it could not happen. The Division during review assumes that the reason this can occur is because the tank battery and separator and associated pipeline have been abandoned and removed. A review of the most recent aerial imagery indicates these structures are still present at the site.

Response: The wells, tank battery, separator, and associated pipelines have been abandoned or are scheduled to be abandoned. Wells Kuipers Red V 12-2, Glover V 12-18D, and Kuipers V 12-2 JI have been plugged and abandoned. Well Glover V 12-27 is scheduled to be plugged and abandoned in October, 2025. Once the wells, tank battery, separator, and associated pipelines are removed mining can occur in the area between the reservoirs.

Thank you for your consideration of our responses to the comments. Please feel free to contact me with any questions or if you need additional information.

Sincerely,

J.C. York

J.C. York, P.E. J&T Consulting, Inc.

Attachments:

- 1. Exhibit F1 Reclamation Plan Map
- 2. Exhibit F2 Side Channel Spillway
- 3. North Cell Side Channel Spillway Calculations
- 4. North Cell Rock Chute Calculations
- 5. "Technical Review Guidelines for Gravel Mining & Water Storage Activities" Table 2.1
- 6. Oil/Gas Well Information





RIVERSIDE









North Cell Side Channel Spillway Calculations

According to the *Technical Review Guidelines for Gravel Mining & Water Storage Activities (Guidelines)* from Urban Drainage & Flood Control District, the equation for a single side channel spillway length is:

$$L_s = \frac{A_p}{12,000}$$

 $L_S = length of the side channel spillway$

 A_p = area of pit measured in square feet at the high water line

The calculated surface area for the North cell at the high water line is 1,474,078 square feet. The calculated length of the spillway is 122.8 feet which was rounded up to 125 feet.

The riverside berm protection was designed based on Figure 2.8: Riprap Spillway Stabilization from the *Guidelines* shown below. The pit side protection was designed using the Rock Chute Design Program based on "Design of Rock Chutes" by Robinson, Rice, and Kadavy, ASAE Vol. 41(3). The results sheet is attached.



Figure 2.8 Riprap Spillway Stabilization

Rock Chute Design Data



Rock Chute Design - Cut/Paste Plan

(Version WI-July-2010, Based on Design of Rock Chutes by Robinson, Rice, Kadavy, ASAE, 1998)



Table 2.1 Riverbank Berm-Top Width

Area Stabilized	Alignment	Type of Stabilization	Minimum Top Width (ft)
None	2.1.1—Existing unstable	None	<mark>400</mark>
Riverbank Only	2.1.1—Existing unstable	2.3—Riverbank Protection 2.3.1—Riprap 2.3.2—Soil Riprap 2.3.3—Jetties (Groins)	250
	2.1.2—Master Plan	2.3—Riverbank Protection 2.3.1—Riprap 2.3.2—Soil Riprap 2.3.3—Jetties (Groins)	200
	2.1.3—Minimum maintenance	2.3—Riverbank Protection 2.3.1—Riprap 2.3.2—Soil Riprap 2.3.3—Jetties (Groins)	200
Pitside Bank Only	2.1.1—Existing unstable	 2.4—Pitside Bank Protection 2.4.1—Riprap 2.4.2—Soil Riprap 2.4.3—Soil Cement 2.4.4—Grouted Boulders 2.4.5—Side Channel Spillway 	300
Riverbank and Pitside Bank	2.1.1—Existing unstable	2.3—Riverbank Protection and 2.4—Pitside Bank Protection	150
	2.1.2—Master Plan	2.3—Riverbank Protection and 2.4—Pitside Bank Protection	100
	2.1.3—Minimum maintenance	2.3—Riverbank Protection and 2.4—Pitside Bank Protection	100

Hey Chris,

Please see below the status of the wells:

- Kuipers Red V12-2 plugged back in March 2015
- Glover V 12-18D plugged back in August 2021
- Kuipers V12-2 JI plugged in January 2025
- Glover V 12-27 on the schedule for October 2025

Let me know if you have any questions.

Thanks,

Tom Crouch

Sr. Landman|DJ Surface Long Term Planning Occidental Petroleum Corporation 1099 18th St.|Suite 700|Denver, CO 80202

Office (720) 929-6797 | Cell (720) 215-8215

From: Chris Zadel <chrisz@ncconstructors.com>
Sent: Wednesday, May 28, 2025 9:15 AM
To: Crouch, Tom <Thomas_Crouch@oxy.com>
Cc: J.C. York <jcyork@j-tconsulting.com>
Subject: [EXTERNAL] RE: Bennett Pit - Oil/Gas Well Information

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

Ok. Please keep us informed.

Thanks again -Chris

COGIS WELL SCOUT CARD

Breated A Insp. MIT GIS A Doc A COA If Wellbore 2 Orders A Bradenhead

Surface Loca API# 05-123-3		Well Classification: OW	<u>Status</u> : PR - 8/1/2024
Well Name/No:	GLOVER V #12-27D	Click Here for Transporter Gatherer	Info
	(Click Well Name for Production Data)		
Operator:	KERR MCGEE OIL & GAS ONSHORE LP - 47120	Federal Or State Lease #:	
	(Click Operator Name for Company Detail Report)		
Facility Status:	PR	Status Date	8/1/2024
FacilityID:	301882	LocationID:	329579
County:	WELD #123	Location:	NWNE 12 2N67W 6
Field:	WATTENBERG - #90750	Elevation:	4836 ft.
Planned Location:	592FNL 1827 FEL	Lat/Long: 40.157860 / -104.836240	Lat/Long Source: Field Measured
As Drilled Location:	Footages Not Available	Lat/Long: 40.157860 / -104.836240	Lat/Long Source: Field Measured
Sample Site D	Data		

Primary Well Designation: Low Producing <i>i</i>				
All Designations		Date		
Reported Plugged	Ν			
Out Of Service Repurposed	N			
Out Of Service	Ν			
Inactive Exception	Ν			
Noticed Inactive	Ν			
Defined Inactive	Ν			
Low Producing	Y	Production Period 02/2024 - 01/2025		

BOE/MCFE/GOR Calculations

Production for Previous 12 Months

i

0

349

MCFE

0.164

0.952

February 2024 - January 2025

Total Oil Produced (Barrels)

Total Gas Produced (MCF)

GOR

GOR Determination

Average BOE per Day

Average MCFE per Day

Federal Financial Assurance

Tribal Well

Collapse Section

PR - 8/1/2024 Wellbore Classification: OW Measured TD: Wellbore Data for Original Wellbore 8045 ft. Vertical TD: 7941 ft. Wellbore Permit DIRECTIONAL Permit #: 20090603 Expiration Date: 3/4/2010 Proposed Top PZ Location: Sec:12 Twp: 2N 67W Footage: 103 FNL 1114 FEL Bottom Hole Location: Sec:12 Twp: 2N 67W Footage: 98 FNL 1110 FEL Prop Depth/Form: 8035 ft. Surface Mineral Owner Same: No Mineral Owner: FEE Surface Owner: FEE Unit Number: Unit[.] Code: CODL , Formation: CODELL , Order: 407-87 , Unit Acreage: 160, Drill Unit: GWA Formation And Spacing: Formation And Spacing: Code: JSND , Formation: J SAND , Order: 232-23 , Unit Acreage: 160, Drill Unit: GWA Formation And Spacing: Code: NBRR , Formation: NIOBRARA , Order: 407-87 , Unit Acreage: 160, Drill Unit: GWA Casing String Type: SURF, Hole Size: 12.25 in., Size: 8.625 in., Top: , Depth: 730 ft., Weight: 24 , Citings Type: PLANNED Cement: Sacks: 305, Top: 0 ft., Bottom: 730 ft. String Type: 1ST, Hole Size: 7.875 in., Size: 4.5 in., Top: , Depth: 8035 ft., Weight: 11.6 , Citings Type: PLANNED Casing: Cement Sacks: 523, Top: , Bottom: 8035 ft.

Wellbore Completed

Completion Date:	10/20/2009					
Spud Date:	10/17/2009	Spud Date Is:	ACTUAL			
Measured TD:	8045 ft.	Measured PB depth:	7970 ft.			
True Vertical TD:	7941 ft.	True Vertical PB depth:	7867 ft.			
Top PZ Location:	Sec:12 Twp: 2N 67V	V Footage: 103 FNL 1114 FEL				
Bottom Hole Location:	Sec:12 Twp: 2N 67V	V Footage: 98 FNL 1110 FEL				
Log Types:	CBL/GR/CCL/VDL,	CBL/GR/CCL/VDL, CBL/GR/CCL/VDL, DIL/GL/GR, Density/Neutron/Microlog				
Casing:	String Type: SURF, I	String Type: SURF, Hole Size: 12.25 in., Size: 8.625 in., Top: 0 ft., Depth: 800 ft., Weight: , Citings Type: ACTUAL				
Cement:	Sacks: 268, Top: 0 ft., Bottom: 800 ft., Determination Method: CALC					
Casing:	String Type: 2ND, H	String Type: 2ND, Hole Size: 7.875 in., Size: 4.5 in., Top: 0 ft., Depth: 8044 ft., Weight: , Citings Type: ACTUAL				
Cement:	Sacks: 440, Top: 658	Sacks: 440, Top: 6588 ft., Bottom: 8044 ft., Determination Method: CBL				
Additional Cement:	String Type: 2ND , T	op: 5450, Depth: , Bottom: 7964, Sacks: 627, Method: SG	UEEZE			
Formation Interval	Top Log Botton	Cored DSTs				

Facility	Detail
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Completed Inf 8/1/2024	ormation for Formation J SAND	Formation Classification: OW	Status: PR -
J-3 SAND	7905 ft.		
J SAND	7877 ft.		
MOWRY	7864 ft.		
D SAND	7813 ft.		
GREENHORN	7533 ft.		
CODELL	7440 ft.		
FORT HAYS	7420 ft.		

1st Production Date:	e	6/24/2010	Choke Size:	
Formation Name:		J SAND	Commingled:	Yes
Production Method:				
Open Hole Completion	ז: 1	No		
Formation Treatment	t			
Treatment Type:				
Treatment Date:	6	6/1/2010	Treatment End Date:	N/A
Treatment Summary:	F	Frac'd J-S	and w/144123 gals Vistar and Slick Wa	ater
	v	vith 28030	0 lbs Ottawa sand and SB Excel	
Total fluid used in treat	tment (bbls):		Max pressure during treatment (psi):	
Total gas used in treatr	ment (mcf):		Fluid density (lbs/gal):	
Type Of gas:			Number Of staged intervals:	
Total acid used in treat	tment (bbls):		Min frac gradient (psi/ft):	
Recycled water used in	n treatment (bbls):		Total flowback volume recovered (bbl	s):
Fresh water used in tre	eatment (bbls):		Disposition method For flowback:	
Total proppant used (lb	os):		Green completions techniques utilized	i:
Reason green techniqu	ues Not utilized:			
Tubing Size:	Tubing Setting De	pth:		
Tubing Packer Depth:	Tubing Multiple Pa	acker:		
Open Hole Top:	Open Hole Bottom	n:		

No Initial Test Data was found for formation JSND.

Perforation Data:

Interval Top: 7880 ft. # Of Holes: 124

Interval Bottom: 7920 ft. Hole Size: 0.41 in.

Completed Information for F Classification: OW State	Formation J-NIOB us: CM - 6/29/2010		on
1st Production Date:	6/24/2010	Choke Size:	
Formation Name:	J-NIOBRARA-CODELL	Commingled:	No
Production Method:			
Open Hole Completion:	No		
Formation Treatment			
Treatment Type:			
Treatment Date:	6/1/2010	Treatment End Date:	N/A
Treatment Summary:	Codell, Niobrara, and J-	-Sand are commingled	
Total fluid used in treatment (bbls):		Max pressure during treatment (psi):	
Total gas used in treatment (mcf):		Fluid density (lbs/gal):	
Type Of gas:		Number Of staged intervals:	
Total acid used in treatment (bbls):		Min frac gradient (psi/ft):	
Recycled water used in treatment (bbls):	:	Total flowback volume recovered (bbls)	
Fresh water used in treatment (bbls):		Disposition method For flowback:	
Total proppant used (lbs):		Green completions techniques utilized:	
Reason green techniques Not utilized:			

5/13/25, 12:14 PM Tubing Size:

2.375 in. Tubing Setting Depth: 7839 ft.

Tubing Packer Depth:		Tubing Multiple Packer:		
Open Hole Top:		Open Hole Bottom:		
Initial Test Data	:			
Test Date:	6/29/2010	Test Method:	Flowing	
Hours Tested:	24	Gas Type:	WET	
Gas Disposal:	SOLD			
Test Type	Measure	e		

BBLS_H2O	40	
BBLS_OIL	38	
BTU_GAS	1237	
CALC_BBLS_H2O	40	
CALC_BBLS_OIL	38	
CALC_GOR	8605	
CALC_MCF_GAS	327	
CASING_PRESS	800	
GRAVITY_OIL	47	
MCF_GAS	327	
TUBING_PRESS	425	

Perforation Data:

Interval Top: 7234 ft. # Of Holes: 236

Interval Bottom: 7920 ft. Hole Size:

Completed Information for Classification: OW Stat	Formation NIOBI tus: PR - 8/1/2024		- Formation
1st Production Date:	6/24/2010	Choke Size:	
Formation Name:	NIOBRARA-CODELL	. Commingled:	Yes
Production Method:			
Open Hole Completion:	No		
Formation Treatment			
Treatment Type:			
Treatment Date:	6/7/2010	Treatment End Dat	e: N/A
Treatment Summary:	Frac'd Codell w/1310	38 gals Vistar and SI	ick Water with 269920 lb
	Ottawa sand. CD PEF	RFS 7438-7454, 64 H	IOLES @.41". NB
	perfs7234-7324, 48 h	oles @.73". Frac'd N	B w/174246 gals Vistar
	and Slickwater with 24	49500 lbs Ottawa Sa	nd.
Total fluid used in treatment (bbls):		Max pressure durin	g treatment (psi):
Total gas used in treatment (mcf):		Fluid density (lbs/ga	al):
Type Of gas:		Number Of staged	intervals:
Total acid used in treatment (bbls):	Min frac gradient (p	osi/ft):	
Recycled water used in treatment (bbls)):	Total flowback volu	me recovered (bbls):
Fresh water used in treatment (bbls):		Disposition method	For flowback:
Total proppant used (lbs):		Green completions	techniques utilized:
Reason green techniques Not utilized:			
Tubing Size: Tubing Setting	Depth:		
Tubing Packer Depth: Tubing Multiple Packer:			
Open Hole Top: Open Hole Bott	tom:		
No Initial Test Data was found for for	mation NB-CD.		

Initial Test Data:					
Test Date:	6/29/2010	Test Method:	Flowing		
Hours Tested:	24	Gas Type:	WET		
Gas Disposal:	SOLD				

3/4

Facility Detail

Test Type	Measure	
BBLS_H2O	40	
BBLS_OIL	38	
BTU_GAS	1237	
CALC_BBLS_H2O	40	
CALC_BBLS_OIL	38	
CALC_GOR	8605	
CALC_MCF_GAS	327	
CASING_PRESS	800	
GRAVITY_OIL	47	
MCF_GAS	327	
TUBING_PRESS	425	
Perforation Data:		

Interval Top: 7234 ft. # Of Holes: 112

Interval Bottom: 7454 ft. Hole Size:

COGIS WELL SCOUT CARD

⊡ →@_	Primary Well Des	ignation:			
Surface Location		Well Classification: GW Status: PA - 8/12/2021		None	i
API# 05-123-3	30624			All Designations	Date
Well Name/No:	<u>GLOVER V #12-18D</u>	Click Here for Transporter Gatherer	<u>Info</u>	Reported Plugged	Y 08/12/2021
	(Click Well Name for Production Data)			Out Of Service Repurposed	N
<u>Operator:</u>	KERR MCGEE OIL & GAS ONSHORE LP - 47120	Federal Or State Lease #:		Out Of Service	N
	(Click Operator Name for Company Detail Report)			Inactive Exception	N
Facility Status:	PA	Status Date	8/12/2021	Noticed Inactive	N
FacilityID:	413261	LocationID:	329579	Defined Inactive	N
County:	WELD #123	Location:	NWNE 12 2N67W 6	Low Producing	N
Field:	WATTENBERG - #90750	Elevation:	4836 ft.		
Planned Location:	616FNL 1822 FEL	Lat/Long: 40.157790 / -104.836220	Lat/Long Source: Field Measured	BOE/MCFE/GOR C	alculations
As Drilled Location:	Footages Not Available	Lat/Long: 40.157799 / -104.836222	Lat/Long Source: Field Measured	Production for Pre	
Sample Site D	Data			Months	

Collapse Section

Wellbore Data for O	riginal Wellbore		Classification: GW Vertical TD: 7497 ft.	PA - 8/11/2021	Measured TD:
Wellbore Permit				DIRECT	IONAL
Permit #:		Expiration Dat	te:	9/27/2011	
Proposed Top PZ Location:	Sec:12 Twp: 2N 67W	/ Footage: 1269	9 FNL 2558 FEL		
Bottom Hole Location:	Sec:12 Twp: 2N 67W	/ Footage: 1270) FNL 2558 FEL		
Prop Depth/Form:	7535 ft.				
Surface Mineral Owner Same	e: No				
Mineral Owner:	FEE	Surface Owne	er:	FEE	
Unit:		Unit Number:			
Formation And Spacing:	Code: CODL , Forma	ation: CODELL ,	Order: 407-87, Unit Acreage	e: 160, Drill Unit: GWA	
Formation And Spacing:	Code: NBRR , Forma	ation: NIOBRAR	A , Order: 407-87 , Unit Acre	age: 160, Drill Unit: GWA	
Casing:	String Type: SURF, H	lole Size: 12.25	in., Size: 8.625 in., Top: , De	pth: 730 ft., Weight: 24 , C	itings Type: PLANNED
Cement:	Sacks: 305, Top: 0 ft	, Bottom: 730 ft			
Casing:	String Type: 1ST, Ho	le Size: 7.875 ir	n., Size: 4.5 in., Top: , Depth:	7535 ft., Weight: 11.6 , Citi	ngs Type: PLANNED
Cement:	Sacks: 614, Top: , Bo	ottom: 7535 ft.			

Wellbore Completed

Completion Date:	N/A				
Spud Date:	10/11/2009	Spud Date Is:	ACTUAL		
Measured TD:	7621 ft.	Measured PB depth:	7579 ft.		
True Vertical TD:	7497 ft.	True Vertical PB depth:	7455 ft.		
Top PZ Location:	Sec:12 Twp: 2N 67V	/ Footage: 1269 FNL 2558 FEL			
Bottom Hole Location:	Sec:12 Twp: 2N 67V	/ Footage: 1270 FNL 2558 FEL			
Log Types:	CBL/GR/CCL, CDL/	CNL/ML, DIL/GR			
Log Types:					
Casing:	String Type: SURF, I	Hole Size: 12.25 in., Size: 8.625 in., Top: 0 ft., Depth: 80	02 ft., Weight: 24 , Citings Type: ACTUAL		
Cement:	Sacks: 363, Top: 0 ft	., Bottom: 802 ft., Determination Method: VISU			
Casing:	String Type: 1ST, Ho	le Size: 7.875 in., Size: 4.5 in., Top: 0 ft., Depth: 7618 f	t., Weight: 11.6 , Citings Type: ACTUAL		
Cement:	Cement: Sacks: 713, Top: 1230 ft., Bottom: 7618 ft., Determination Method: CBL				
Casing:	String Type: S.C. 1.1	, Hole Size: 7.875 in., Size: 4.5 in., Top: , Depth: 1192	ft., Weight: 11.6 , Citings Type: ACTUAL		
Cement:	Sacks: 140, Top: 464	ft., Bottom: 1192 ft., Determination Method: CBL			
Formation Interval	Top Log Bottor	n Cored DSTs			

i

0

0

MCFE

0.000

0.000

No

February 2024 - January 2025

Total Oil Produced (Barrels)

Total Gas Produced (MCF)

GOR GOR Determination

Average BOE per Day

Average MCFE per Day

Federal Financial Assurance

Tribal Well

Facility Detail

13/23, 12.17 FIVI							a11	
PIERRE	2813 ft.							
PARKMAN	3948 ft.							
SUSSEX	4488 ft.							
SHANNON	4980 ft.							
NIOBRARA	7204 ft.							
FORT HAYS	7446 ft.							
CODELL	7467 ft.							
Completed In	formation for I	ormatio	n CODELL	Formation Cla	ssification	: GW	Status: CM	_
10/7/2010								
1st Production Date	:	11/27/2009	Choke Size:					
Formation Name:		CODELL	Commingled:		Yes			
Production Method:								
Open Hole Complet	tion:							
Formation Treatme	ent							
Treatment Type:								
Treatment Date:		11/24/2009	Treatment End Dat	te:	N/A			
Treatment Summar	y:	FRAC'D C	ODELL W/ 134,988	GALS SLICK WATER	.,			
		PHASERFI	RAC AND 15% HCI	WITH 249,800#'S OF				
		OTTAWA S	AND. CODELL PRO	DUCING THROUGH	l			
		FLOW PLU	JG.					
Total fluid used in tr	eatment (bbls):		Max pressure durir	ng treatment (psi):				
Total gas used in tre	eatment (mcf):		Fluid density (lbs/g	al):				
Type Of gas:			Number Of staged	intervals:				
Total acid used in tr	eatment (bbls):		Min frac gradient (osi/ft):				
Recycled water use	d in treatment (bbls)	:	Total flowback volu	me recovered (bbls):				

Disposition method For flowback:

Green completions techniques utilized: --

Interval Top: 7469 ft. # Of Holes: 68 Interval Bottom: 7486 ft. Hole Size: 0.41 in.

Tubing Packer Depth: Tubing Multiple Packer:

No Initial Test Data was found for formation CODL.

Fresh water used in treatment (bbls):

Reason green techniques Not utilized:

Tubing Setting Depth:

Open Hole Bottom:

Total proppant used (lbs):

Tubing Size:

Open Hole Top:

Perforation Data:

Completed Information for Classification: GW St	or Formation NIOBF atus: AB - 8/12/202		Formation
1st Production Date:	11/27/2009	Choke Size:	
Formation Name:	NIOBRARA-CODELL	Commingled:	
Production Method:			
Open Hole Completion:			
Formation Treatment			
Treatment Type:			
Treatment Date:	11/24/2009	Treatment End Date:	N/A
Treatment Summary:	CODELL AND NIOBR	ARA ARE COMMINGLEE	D
Total fluid used in treatment (bbls):		Max pressure during trea	atment (psi):
Total gas used in treatment (mcf):		Fluid density (lbs/gal):	
Type Of gas:		Number Of staged interv	vals:
Total acid used in treatment (bbls):		Min frac gradient (psi/ft):	
Recycled water used in treatment (bb	ols):	Total flowback volume re	ecovered (bbls):
Fresh water used in treatment (bbls):		Disposition method For f	lowback:
Total proppant used (lbs):		Green completions techr	niques utilized:

Reason green techniques Not utilized: Tubing Size: Tubing Setting Depth:

Tubing Packer Depth:	Tubing Multiple Packer:
Open Hole Top:	Open Hole Bottom:

Initial Test Data:

Test Date:	12/11/2009	Test Method:	FLOWING
Hours Tested:	24	Gas Type:	SHALE
Gas Disposal:	SOLD		

Test Type Measure

BBLS_H2O	11	
BBLS_OIL	62	
BTU_GAS	1299	
CALC_BBLS_H2O	11	
CALC_BBLS_OIL	62	
CALC_GOR	3339	
CALC_MCF_GAS	207	
CASING_PRESS	890	
GRAVITY_OIL	48	
MCF_GAS	207	
Perforation Data:		

Perforation Data:

Test Type

Measure

Interval Top: 7326 ft. # Of Holes: 92

Interval Bottom: 7486 ft. Hole Size:

Completed 10/7/2010	d Informat	tion for For	mation	NIOBRARA	Formation	Classification:	GW	Status: CM -
1st Production	Date:	11/	27/2009	Choke Size:				
Formation Nam	ne:	NIC	OBRARA	Commingled:		Yes		
Production Met	thod:							
Open Hole Cor	npletion:							
Formation Tre	atment							
Treatment Type	e:							
Treatment Date	e:	11/	24/2009	Treatment End Dat	e:	N/A		
Treatment Sum	nmary:	FR	AC'D NIC	DBRARA W/175,014	GALS SLICK WATE	R		
			d Phase Nd.	ERFRAC WITH 250	080#'S OF OTTAWA	A Contraction of the second seco		
Total fluid used	in treatment ((bbls):		Max pressure durir	ig treatment (psi):			
Total gas used in treatment (mcf): Fluid density (lbs/gal):								
Type Of gas: Number Of staged intervals:								
Total acid used	in treatment ((bbls):		Min frac gradient (p	osi/ft):			
Recycled water	r used in treati	ment (bbls):		Total flowback volu	me recovered (bbls)	:		
Fresh water us	ed in treatmer	nt (bbls):		Disposition method	For flowback:			
Total proppant	used (lbs):			Green completions	techniques utilized:			
Reason green	techniques No	ot utilized:						
Tubing Size:	Tubir	ng Setting Dept	n:					
Tubing Packer	Depth: Tubir	ng Multiple Pack	ker:					
Open Hole Top	: Oper	n Hole Bottom:						
No Initial Test	Data was fou	Ind for formation	on NBRR					
Initial Test Dat	ta:							
Test Date:	12/11/2009	Test Method:	FLOWI	NG				
Hours Tested:	24	Gas Type:	SHALE					
Gas Disposal:	SOLD							

Facility Detail

BBLS_H2O	11	
BBLS_OIL	62	
BTU_GAS	1299	
CALC_BBLS_H2O	11	
CALC_BBLS_OIL	62	
CALC_GOR	3339	
CALC_MCF_GAS	207	
CASING_PRESS	890	
CASING_PRESS GRAVITY_OIL	890 48	
-		

Perforation Data:

Interval Top: 7326 ft. # Of Holes: 24

Interval Bottom: 7338 ft. Hole Size: 0.73 in.

Facility Detail

COGIS WELL SCOUT CARD

Breated Ansp MIT GIS A Doc COA If Wellbore 2 Orders A Bradenhead

Surface Location API# 05-123-17554		Well Classification: OW	<u>Status</u> : PA - 3/14/2015
Well Name/No:	KUIPERS RED V #12-2	Click Here for Transporter Gatherer Info	2
	(Click Well Name for Production Data)		
<u>Operator:</u>	KERR MCGEE OIL & GAS ONSHORE LP - 47120	Federal Or State Lease #:	
	(Click Operator Name for Company Detail Report)		
Facility Status:	PA	Status Date	3/14/2015
FacilityID:	249751	LocationID:	329579
County:	WELD #123	Location:	NWNE 12 2N67W 6
Field:	WATTENBERG - #90750	Elevation:	4836 ft.
Planned Location:	666FNL 1795 FEL	Lat/Long: 40.157807 / -104.836222	Lat/Long Source: Calculated From Footages
As Drilled Location:	656 FNL 1790 FEL	Lat/Long: 40.157680 / -104.836110	Lat/Long Source: Field Measured



Disclosure: Sidetrack #00 Start Date: 1/25/2012 End Date: 1/25/2012 Reported: 2/16/2012 Prior to rule 205A.b.(2)(A) Days to report: 22

nl	la	ns	0	S
•		20	•	-

Wellbore Data for Original Wellbore		Wellbore Classification: OW PA - 3/14/2 ft. Vertical TD: 0 ft.		Measured TD: 7518
Wellbore Permit				
Permit #:	19931578	Expiration Date:	2	/24/1994
Prop Depth/Form:	7550 ft.			
Surface Mineral Owner Same	e: Not available			
Mineral Owner:	FEE	Surface Owner:	Ν	lot available
Unit:		Unit Number:		
Formation And Spacing:	Code: CODL	, Formation: CODELL , Order: 0 , Unit Acreac	ge: 80, Drill Unit: W2NE	

Wellbore Completed

Completion Date:	4/20/1994				
Spud Date:	1/26/1994	Spud Date Is:	ACTUAL		
Measured TD:	7518 ft.	Measured PB depth:	7443 ft.		
True Vertical TD:	0 ft.	True Vertical PB depth:			
Log Types:	COMP DENS	ITY, DIL, CBL-CCL-GR			
Casing:	String Type: \$	SURF, Hole Size: 12.25 in., Size: 8.625 in., Top: 0 ft., Depth: 512	ft., Weight: 24 , Citings Type: ACTUAL		
Cement:	Sacks: 345, Top: 0 ft., Bottom: 512 ft., Determination Method: VISU				
Casing:	String Type: 1ST, Hole Size: 7.875 in., Size: 2.875 in., Top: 0 ft., Depth: 7511 ft., Weight: 6.5 , Citings Type: ACTUAL				
Cement:	Sacks: 216, Top: 6504 ft., Bottom: 7511 ft., Determination Method: CBL				
Casing:	String Type: S.C. 1.1, Hole Size: 7.875 in., Size: 2.875 in., Top: , Depth: 4880 ft., Weight: 6.5 , Citings Type: ACTUAL				
Cement:	Sacks: 600, 1	op: 3466 ft., Bottom: 4880 ft., Determination Method: CBL			

	Formation	Interval Top	Log Bottom	Cored	DSTs
	SUSSEX	4458 ft.			
	NIOBRARA	7074 ft.			
	CODELL	7343 ft.			
Co	ompleted Info	rmation for Forma	tion CODELL	Formatior	n Classifi

No

1st Production Date:	4/11/1994 Choke Size:
Formation Name:	CODELL Commingled:

Facility Detail

Production Method:				
Open Hole Completio	n:	No		
Formation Treatmen				
Treatment Type:				
Treatment Date:		1/17/2014	Treatment End Date:	N/A
Treatment Summary:		Set CIBP	@ 7308' with 25sx cement	
Total fluid used in trea			Max pressure during treatment (psi):	
Total gas used in trea			Fluid density (lbs/gal):	
Type Of gas:			Number Of staged intervals:	
Total acid used in trea	atment (bbls):		Min frac gradient (psi/ft):	
Recycled water used	, , ,		Total flowback volume recovered (bbls):	
Fresh water used in tr			Disposition method For flowback:	
Total proppant used (I			Green completions techniques utilized:	
Reason green technic	ques Not utilized:			
Formation Treatment	t			
Treatment Type:				
Treatment Date:				
Treatment Summary:				
Total fluid used in treat	tment (bbls):			
Total gas used in treat	tment (mcf):			
Type Of gas:				
Total acid used in treat	tment (bbls):			
Recycled water used i	in treatment (bbls):			
Fresh water used in tre				
Total proppant used (II				
Reason green techniq	ues Not utilized:			
Formation Treatment				
Treatment Type:				
Treatment Date:				
Treatment Summary:				
Total fluid used in treat	ment (bbls):			
Total gas used in treatr				
Type Of gas:				
Total acid used in treat	ment (bbls):			
Recycled water used ir	n treatment (bbls):			
Fresh water used in tre	eatment (bbls):			
Total proppant used (Ib	os):			
Reason green techniqu	ues Not utilized:			
Tubing Size:	Tubing Setting Depth:			
Tubing Packer Depth:	Tubing Multiple Packe	r:		
Open Hole Top:	Open Hole Bottom:			
Initial Test Data:				
Test Date:		N/A	Test Method:	
Hours Tested:			Gas Type:	
Gas Disposal:				
Test Type	Measure			
BBLS_H2O	4			
BBLS_OIL	6			
BTU_GAS	1321			
CALC_BBLS_H2O	4			
CALC_BBLS_OIL	6			
	-			

CAI	_C_GOR	19667		
CALC	_MCF_GAS	118		
CASIN	IG_PRESS	562		
GRA	VITY_OIL	55		
МС	CF_GAS	118		
TUBIN	IG_PRESS	519		

Perforation Data:

Interval Top:	7349 ft.	# Of Holes:	45
Interval Bottom:	7364 ft.	Hole Size:	0.32 in.

Primary Well Designation: None <u>i</u>					
All Designations		Date			
Reported Plugged	Υ	03/14/2015			
Out Of Service Repurposed	Ν				
Out Of Service	Ν				
Inactive Exception	Ν				
Noticed Inactive	Ν				
Defined Inactive	Ν				
Low Producing	Ν				

BOE/MCFE/GOR Calculations Production for Previous 12 Months				
February 2024 - January 2025	i			
Total Oil Produced (Barrels)	0			
Total Gas Produced (MCF)	0			
GOR				
GOR Determination				
Average BOE per Day	0.000			
Average MCFE per Day	0.000			

Federal Financial Assurance	i	
Tribal Well	i	No

Facility Detail

COGIS WELL SCOUT CARD

Surface Loca		. <u>MIT</u> ● <u>GIS</u> L& <u>Doc</u> L	L <u>COA</u> [¶] <u>Wellbore</u> Well Classification		ders <u>Status: PA - 1/30/2025</u>	Primary Well None		signati <u>i</u>	ion:
API# 05-123-2						All Designations		Da	ite
Well Name/No:	KUIPERS V #12-2 JI (Click Well Name for Produ	ction Data)	Click Here for Transporter G	atherer		Reported Plugged	Y	01/30/	/2025
<u>Operator:</u>		GAS ONSHORE LP - 47120	Federal Or State Lease #:			Out Of Service Repurposed	N		
Facility Status:	PA		Status Date		1/30/2025			Pluggir Da	•
FacilityID:	265069		LocationID:		331711	Out Of Service	Y	12/31	
County:	WELD #123		Location:		NWNE 12 2N67W 6	Inactive Exception	Ν		
Field:	WATTENBERG - #907	50	Elevation:		4840 ft.	Noticed Inactive	Ν		
Planned Location:	372FNL 2310 FEL		Lat/Long: 40.158597 / -104.8	838062	Lat/Long Source: Calculated From Footages	Defined Inactive Low Producing	N N		
As Drilled Location:	Footages Not Available	9	Lat/Long: 40.158217 / -104.8	837401	Lat/Long Source: Field Measured				
Sample Site D	Data				Collapse Section	BOE/MCFE/GC Production for Mor	r Pre		
						February 2024 - Jan	uary	2025	i
Wellbore Dat Wellbore	a for Original	Wellbore Classifica	tion: GW AB - 1/3	0/202	5 Measured TD: 8021	Total Oil Produced	(Barr	els)	0
Wellbore Permi	+					Total Gas Produce	d (M	CF)	C
					10/07/0000	GOR			
Permit #:	20021590	Expiration Date:			10/27/2003	GOR Determin	ation		MC

Permit #:	20021590	Expiration Date:	10/27/2003
Prop Depth/Form:	8100 ft.		
Surface Mineral Owner Same	: Yes		
Mineral Owner:	FEE	Surface Owner:	FEE
Unit:		Unit Number:	
Formation And Spacing:	Code: JSNE), Formation: J SAND , Order: 318A , Unit Acreage: 320, Drill Unit: N	2

Wellbore Completed

Completion Date:	4/8/2003				
Spud Date:	1/11/2003	Spud Date Is:	ACTUAL		
Measured TD:	8021 ft.	Measured PB depth:	8003 ft.		
True Vertical TD:		True Vertical PB depth:			
Log Types:	INDUCTIO	N, GR, CEMENT BOND			
Casing:	String Type: SURF, Hole Size: 12.25 in., Size: 8.625 in., Top: 0 ft., Depth: 621 ft., Weight: 24 , Citings Type: ACTUAL				
Cement:	Sacks: 260, Top: 0 ft., Bottom: 621 ft., Determination Method: VISU				
Casing:	String Type: 1ST, Hole Size: 7.875 in., Size: 4.5 in., Top: 0 ft., Depth: 8020 ft., Weight: 11.6 , Citings Type: ACTUAL				
Cement:	Sacks: 240, Top: 6696 ft., Bottom: 8020 ft., Determination Method: CBL				
Casing:	String Type: S.C. 1.1, Hole Size: , Size: , Top: , Depth: 4830 ft., Weight: , Citings Type: ACTUAL				
Cement:	t: Sacks: 105, Top: 3686 ft., Bottom: 4840 ft., Determination Method: CBL				
	_				

Formation Interval Top Log Bottom Cored DSTs

SUSSEX	4480 ft.	Ν	Ν
NIOBRARA	7090 ft.	Ν	Ν
FORT HAYS	7340 ft.	Ν	Ν
CODELL	7363 ft.	Ν	Ν
J SAND	7798 ft.	Ν	Ν

Completed Information for Formation J SAND 1/30/2025			Formation Classification: GW	Status: AB -	
1st Production Date:	N/A	Choke Size:	0.469 in.		
Formation Name:	J SAND	Commingled:	No		

0.000

0.000

No

i

Average BOE per Day
Average MCFE per Day

Federal Financial Assurance

Tribal Well

Facility Detail

Production Method:	FLOWING	3			
Open Hole Completion:	No				
Formation Treatment					
Treatment Type:					
Treatment Date:	4/8/2003	Treatment End Date:	N/A		
Treatment Summary:	141,372 G	141,372 GAL SILVER STIM GEL & 447,060# 20/40 SAND,			
	4/04/03				
Total fluid used in treatment (bbls):		Max pressure during treatment (psi):			
Total gas used in treatment (mcf):		Fluid density (lbs/gal):			
Type Of gas:		Number Of staged intervals:			
Total acid used in treatment (bbls):		Min frac gradient (psi/ft):			
Recycled water used in treatment (bbls):		Total flowback volume recovered (bbls):			
Fresh water used in treatment (bbls):		Disposition method For flowback:			
Total proppant used (lbs):		Green completions techniques utilized:			
Reason green techniques Not utilized:					
Tubing Size: 2.375 in. Tubing Setting D		oth: 7779 ft.			
Tubing Packer Depth:	Fubing Multiple Pa	cker:			
Open Hole Top: 0	Open Hole Bottom	Hole Bottom:			

Initial Test Data:

Test Date:	4/22/2003	Test Method:	FLOWING
Hours Tested:	24	Gas Type:	WET
Gas Disposal:	SOLD		

Test Type	Measure	
BBLS_H2O	22	
BBLS_OIL	9	
BTU_GAS	1256	
CALC_BBLS_H2O	22	
CALC_BBLS_OIL	9	
CALC_GOR	66666	
CALC_MCF_GAS	600	
CASING_PRESS	775	
GRAVITY_OIL	50	
MCF_GAS	600	
TUBING_PRESS	575	

Perforation Data:

Interval Top:7798 ft. # Of Holes:102Interval Bottom:7856 ft. Hole Size: