

Exhibit (5)F

As discussed above, the fluid to be injected will be natural gas from one or more of the wells listed in the table below, an analysis of which is attached hereto as Exhibit (5)C-(1-4). Infrastructure is already in place to transport natural gas from such wells to the Proposed Injection Well, and is more specifically depicted on Exhibit (5)G, attached hereto.

No.	API No.	Facility ID	Location ID	Well	Formation	Status	Operator	TwN	Rng	Sec	Qtr Qtr
1	05-057-06544	444871	324757	Mutual #0780 2-8H	NBRR	PR	Applicant	7N	80W	6	NWNW
2	05-057-06543	444870	324757	Mutual #0780 3-8H	NBRR	SI	Applicant	7N	80W	6	NWNW
3	05-057-06472	298046	324757	Mutual #7-17H	NBRR	PR	Applicant	7N	80W	6	NWNW
4	05-057-06541	444868	324757	Mutual #0780 4-8	NBRR	PR	Applicant	7N	80W	6	NWNW
5	05-057-06568	446904	439603	Mutual 0780 #5-8H	NBRR	AP	Applicant	7N	80W	9	SWSW
6	05-057-06570	446917	439603	Mutual 0780 #6-8H	NBRR	AP	Applicant	7N	80W	9	SWSW
7	05-057-06572	446919	439603	Mutual 0780 #7-8H	NBRR	AP	Applicant	7N	80W	9	SWSW
8	05-057-06571	446918	439603	Mutual 0780 #8-8H	NBRR	AP	Applicant	7N	80W	9	SWSW



Exhibit (5)C-1

Certificate of Analysis
Number: 2500-21100050-003A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

David Boyer
D90 Energy LLC
277 JCR 28
Coalmont, CO 80430

Oct. 12, 2021

Station Name: Mutual 7-17H
Station Number: CO 11R0012
Cylinder No: L131
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 09/10/2020 10:46 AM
Analyzed: 10/08/2021 09:27:09 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 11:15
Sample Conditions: 78.98 psia, @ 75.86 °F
Effective Date: 10/04/2021 11:15
Method: GPA 2286

Analytical Data

Table with 4 columns: Components, Mol. %, GPM at 14.73 psia, Wt. %. Lists various hydrocarbons and their percentages.

Table with 3 columns: Calculated Physical Properties, Total, C10+. Includes GPA 2172 Calculation and Calculated Gross BTU per ft³ @ 14.73 psia & 60°F.

Comments: H2S Field Content 2.5 ppm

Ryleigh Jacobs (Signature)

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

EXHIBIT (5)C-2



Certificate of Analysis

Number: 2500-21100050-001A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

David Boyer
D90 Energy LLC
277 JCR 28
Coalmont, CO 80430

Oct. 12, 2021

Station Name: Mutual 0780 2-8H
Station Number: CO 040024
Cylinder No: W505
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 09/10/2020 10:46 AM
Analyzed: 10/08/2021 07:26:49 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 12:45
Sample Conditions: 86.09 psia, @ 86.01 °F
Effective Date: 10/04/2021 12:45
Method: GPA 2286

Analytical Data

Components	Mol. %	GPM at 14.73 psia	Wt. %
Hydrogen Sulfide	0.0004		0.0006
Nitrogen	0.8072		0.9766
Carbon Dioxide	2.5971		4.9361
Methane	72.5599		50.2715
Ethane	10.1988	2.7385	13.2441
Propane	9.0027	2.4902	17.1444
Iso-Butane	0.8444	0.2774	2.1195
n-Butane	2.5704	0.8136	6.4520
Iso-Pentane	0.4546	0.1669	1.4165
n-Pentane	0.4575	0.1665	1.4255
i-Hexanes	0.1508	0.0625	0.5604
n-Hexane	0.0790	0.0327	0.2949
Benzene	0.0093	0.0026	0.0313
Cyclohexane	0.0254	0.0086	0.0922
i-Heptanes	0.1300	0.0513	0.5126
n-Heptane	0.0188	0.0087	0.0812
Toluene	0.0075	0.0025	0.0296
i-Octanes	0.0529	0.0241	0.2437
n-Octane	0.0079	0.0041	0.0390
2,2,4-Trimethylpentane	0.0013	0.0007	0.0062
Ethylbenzene	0.0050	0.0019	0.0229
Xylenes	0.0052	0.0020	0.0237
i-Nonanes	0.0086	0.0047	0.0473
n-Nonane	0.0021	0.0012	0.0115
Decane Plus	0.0032	0.0016	0.0167
	100.0000	6.8623	100.0000

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	23.16	126.00
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1321.6	6734.0
Water Sat. Gas Base BTU	1298.6	6588.5
Relative Density Real Gas	0.8026	4.3504
Compressibility Factor	0.9957	

Comments: H2S Field Content 3.5 ppm

Ryleigh Jacobs

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

EXHIBIT (5)C-3



Certificate of Analysis
Number: 2500-21100050-008A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

David Boyer
D90 Energy LLC
277 JCR 28
Coalmont, CO 80430

Oct. 12, 2021

Station Name: Mutual 0780 3-8H
Station Number: CO 04R0025
Cylinder No: 3013
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 09/10/2020 10:46 AM
Analyzed: 10/08/2021 12:34:14 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 12:55
Sample Conditions: 93.17 psia, @ 85.31 °F
Effective Date: 10/04/2021 12:55
Method: GPA 2286

Analytical Data

Components	Mol. %	GPM at 14.73 psia	Wt. %
Hydrogen Sulfide	0.0002		0.0003
Nitrogen	1.0987		1.3508
Carbon Dioxide	2.4057		4.6467
Methane	75.9472		53.4741
Ethane	7.5595	2.0295	9.9764
Propane	7.2574	2.0071	14.0455
Iso-Butane	0.8247	0.2709	2.1038
n-Butane	2.8605	0.9053	7.2970
Iso-Pentane	0.6295	0.2311	1.9934
n-Pentane	0.6987	0.2543	2.2125
i-Hexanes	0.2183	0.0906	0.8251
n-Hexane	0.1157	0.0479	0.4383
Benzene	0.0137	0.0039	0.0472
Cyclohexane	0.0347	0.0118	0.1284
i-Heptanes	0.1748	0.0692	0.7004
n-Heptane	0.0280	0.0129	0.1233
Toluene	0.0109	0.0037	0.0440
i-Octanes	0.0738	0.0335	0.3445
n-Octane	0.0103	0.0053	0.0515
2,2,4-Trimethylpentane	0.0017	0.0009	0.0081
Ethylbenzene	0.0065	0.0025	0.0302
Xylenes	0.0061	0.0023	0.0279
i-Nonanes	0.0115	0.0060	0.0621
n-Nonane	0.0031	0.0017	0.0173
Decane Plus	0.0088	0.0046	0.0512
	100.0000	5.9950	100.0000

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	22.78	132.17
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1300.8	7009.4
Water Sat. Gas Base BTU	1278.2	6859.2
Relative Density Real Gas	0.7896	4.5635
Compressibility Factor	0.9959	

Comments: H2S Field Content 1.5 ppm

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



EXHIBIT (5)C-4

Certificate of Analysis

Number: 2500-21100052-007A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

David Boyer
D90 Energy LLC
277 JCR 28
Coalmont, CO 80430

Oct. 12, 2021

Station Name: Mutual 0780 4-8H
Station Number: CO 04R0026
Cylinder No: P-134
Instrument: 2500_GC3 (Agilent G1540A)
Last Inst. Cal.: 07/14/2020 10:32 AM
Analyzed: 10/12/2021 08:32:18 by RHJ

Sampled By: Don Rogers
Sample Of: Gas Spot
Sample Date: 10/04/2021 13:05
Sample Conditions: 98.13 psia, @ 81.37 °F
Effective Date: 10/04/2021 13:05
Method: GPA 2286

Analytical Data

Table with 4 columns: Components, Mol. %, GPM at 14.73 psia, Wt. %. Lists various hydrocarbons and their percentages.

Calculated Physical Properties table with columns: Calculated Physical Properties, Total, C10+. Includes GPA 2172 Calculation and Gross BTU per ft³.

Comments: H2S Field Content 2 ppm

Ryleigh Jacobs (signature)

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

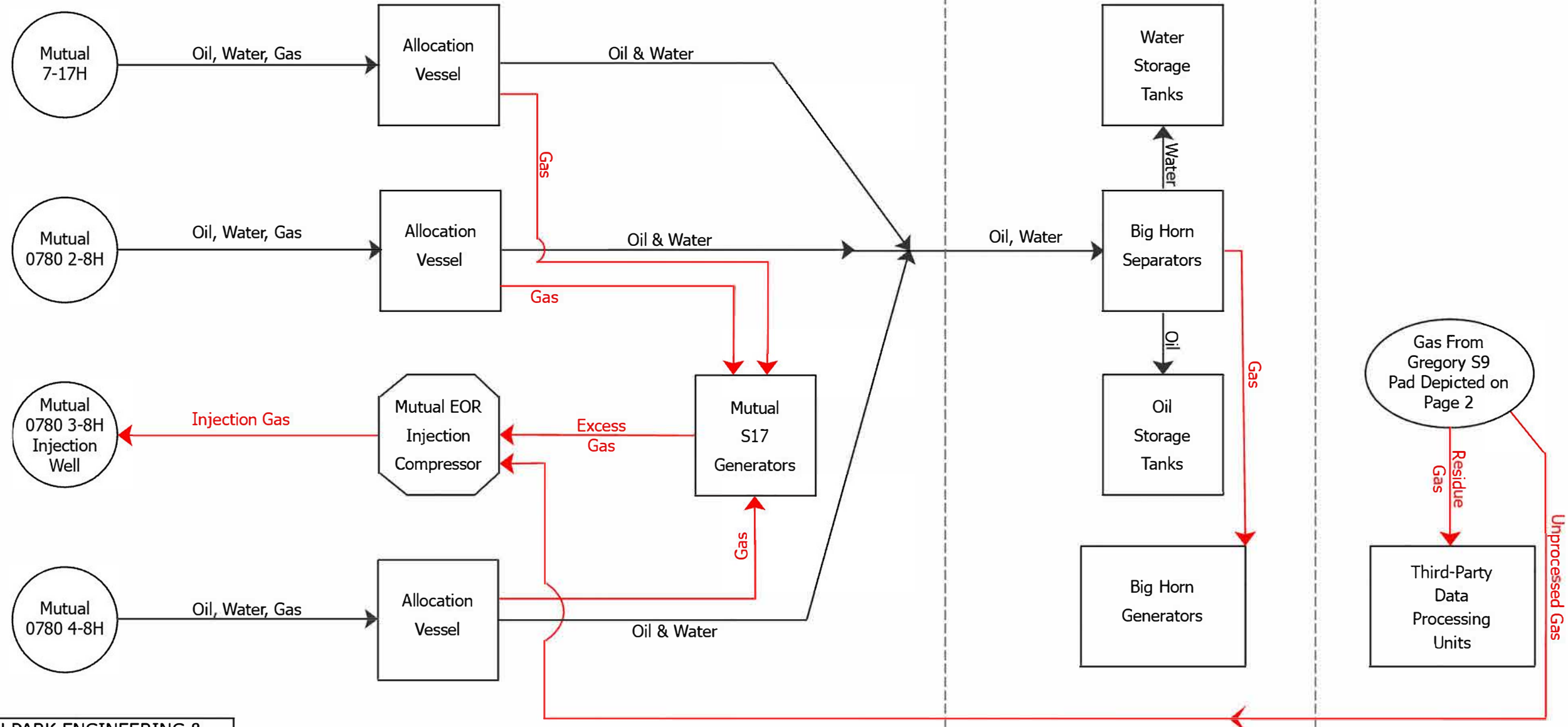
Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Mutual EOR Project

Flow Diagram - Page 1
9/7/2022

Exhibit (5) G



NORTH PARK ENGINEERING & CONSULTING, INC.
P.O. BOX 395
WALDEN, CO 80480
(970) 723-3725

DRAWING COMPLETION: 9/7/2022

DRAWN BY: ADL CHECKED BY: RRM

Mutual S17 Pad

Big Horn S17 CTB

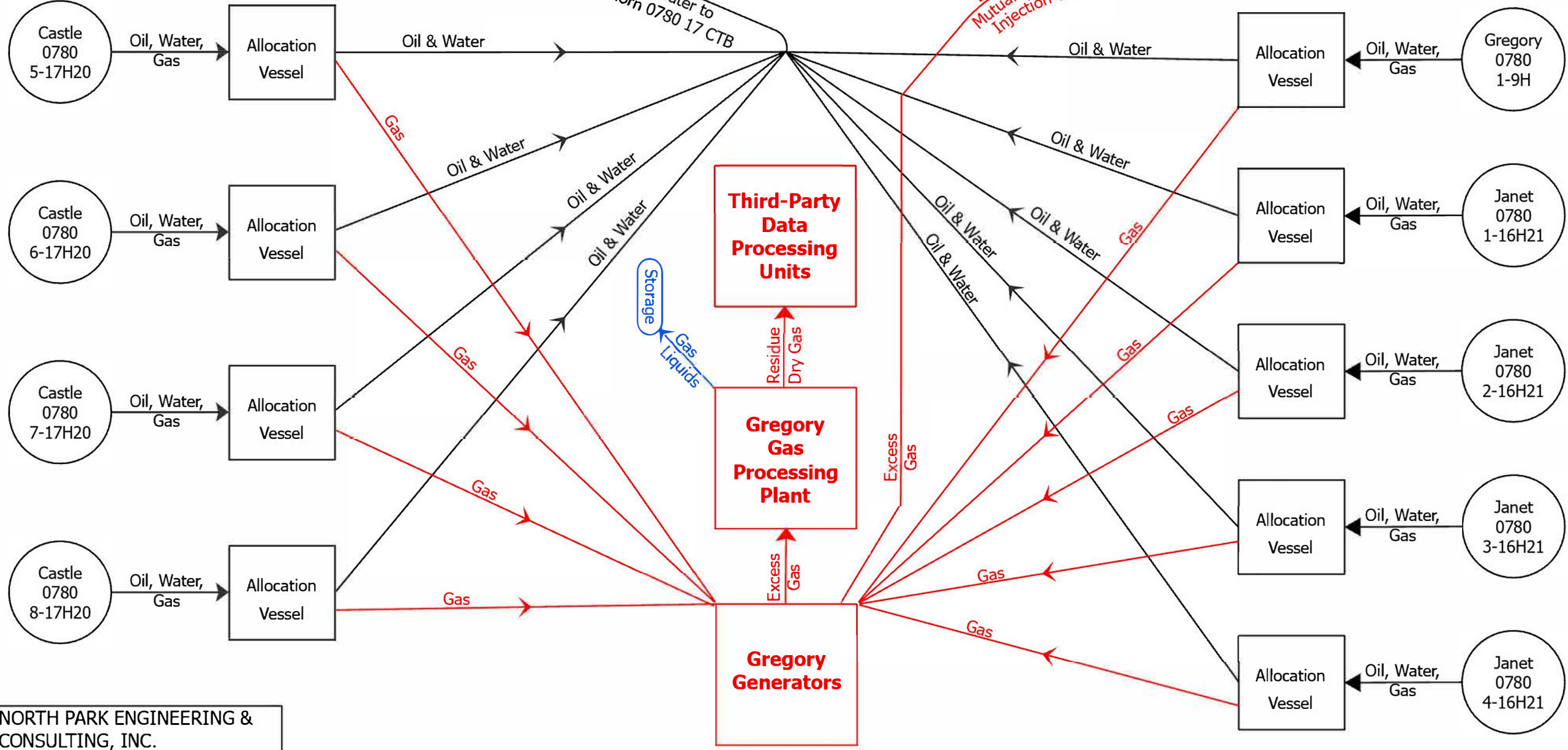
Gregory S9 Pad



Mutual EOR Project

Flow Diagram - Page 2

9/7/2022



NORTH PARK ENGINEERING & CONSULTING, INC.
 P.O. BOX 395
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 (970) 723-3725

DRAWING COMPLETION: 9/7/2022

DRAWN BY: ADL CHECKED BY: RRM

Gregory S9 Pad