

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ OGRID Number: _____
 Well Name: _____ API: _____
 Pool: _____ Pool Code: _____

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application
 Content
 Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Date

Phone Number

Signature

e-mail Address



Adam G. Rankin
Phone (505) 954-7294
Fax (505) 819-5579
AGRankin@hollandhart.com

February 22, 2022

VIA ONLINE FILING

Adrienne Sandoval
Director, Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Application of Tap Rock Operating, LLC to amend Administrative Order PLC-695-A to add additional wells and to authorize additional lease commingling at the Hyperion State Tank Battery A located in the W/2 W/2 of Section 20, Township 24 South, Range 33 East, Lea County, New Mexico.

Dear Ms. Sandoval:

Tap Rock Operating, LLC (OGRID No. 372043) seeks to amend Administrative Order PLC-695-A ("Order PLC-695-A"), attached as **Exhibit 1**. Order PLC-695-A authorizes lease surface commingling pursuant to 19.15.12.10 NMAC, at the Hyperion State Tank Battery [n/k/a **Hyperion State Tank Battery A**] of production from *the pools, leases, and wells described therein and future wells that will produce from a pool and lease identified in the order*. The following spacing units are covered by Order PLC-695-A:

(a) The 160-acre spacing unit comprised of the W/2W/2 of Section 20 in the WC-025 G-09 S243310P; Upper Wolfcamp; [98135]. The following wells are currently dedicated to this spacing unit: **Hyperion State #131H well** (30-025-46659), **Hyperion State #201H well** (30-025-46658), **Hyperion State #221H well** (30-025-44852), **Hyperion State #215H well** (30-025-46661);

(b) The 160-acre spacing unit comprised of the E/2W/2 of Section 20 in the WC-025 G-09 S243310P; Upper Wolfcamp; [98135]. The following wells are currently dedicated to this spacing unit: **Hyperion State #202H well** (30-025-46766), **Hyperion State #205H well** (30-025-46660), **Hyperion State #217H well** (30-025-46767);

(c) The 160-acre spacing unit comprised of the W/2E/2 of Section 20 in the WC-025 G-09 S243310P; Upper Wolfcamp; [98135]. Although there are multiple wells dedicated to this spacing unit, the following well is the only one whose production is being commingled at the **Hyperion State Tank Battery A**: **Hyperion State Com #137H well** (30-025-46765); and

(d) The 160-acre spacing unit comprised of the W/2W/2 of Section 20 in the Triple X; Bone Spring, West; [96674]. The following wells are currently dedicated to this spacing unit: **Hyperion State #141H well** (30-025-46126), **Hyperion State #171H well** (30-025-48667), **Hyperion State #181H well** (30-025-48669), **Hyperion State #101H well** (30-025-48662).

Pursuant to 19.15.12.10 NMAC, Tap Rock seeks to amend the terms of Order PLC-695-A to include production from all existing and future infill wells drilled in the following spacing units:

(a) The 160-acre spacing unit comprised of the E/2W/2 of Section 20 in the Triple X; Bone Spring, West; [96674]. The following wells are currently dedicated to this spacing unit: **Hyperion State #142H well** (30-025-48664), **Hyperion State #172H well** (30-025-48668), **Hyperion State #102H well** (30-025-48663), **Hyperion State #182H well** (30-025-48670);

(b) Pursuant to 19.15.12.10.C(4)(g), *future Triple X; Bone Spring, West; [96674] spacing units within the W/2 of Section 20 connected to the Hyperion State Tank Battery A* with notice provided only to the owners of interests to be added; and

(c) Pursuant to 19.15.12.10.C(4)(g), *future WC-025 G-09 S243310P; Upper Wolfcamp; [98135] spacing units within the W/2 of Section 20 connected to the Hyperion State Tank Battery A* with notice provided only to the owners of interests to be added.

Oil and gas production from these spacing units will be commingled and sold at the *Hyperion State Tank Battery A* located in the W/2W/2 of Section 20. Production will be separately metered at each wellhead with a Coriolis flow meter for oil and orifice meter for gas manufactured to AGA specifications.

Exhibit 2 hereto is a completed Application for Surface Commingling (Diverse Ownership) Form C-107B, that includes a statement from Jeff Trlica, Regulatory Analyst with Tap Rock, identifying the facilities and the measurement devices to be utilized, a detailed schematic of the surface facilities, and relevant gas samples.

Exhibit 3 is a cover letter and certificate of approval from the Commissioner of Public Lands for communitization of the Hyperion State #137H well (W/2E/2 of Section 20, Wolfcamp formation).

Exhibit 4 is a list of wells and corresponding plat identifying leases, wellbore locations, and surface facilities.

Ownership is diverse between the above-described spacing units. **Exhibit 5** is a list of the interest owners (including any owners of royalty or overriding royalty interests) affected by this application, an example of the letters sent by certified mail advising the interest owners that any objections must be filed in writing with the Division within 20 days from the date the Division receives this application, and proof of mailing.

Thank you for your attention to this matter, and please feel free to call if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'A. Rankin', with a stylized flourish extending to the right.

Adam G. Rankin
ATTORNEY FOR
TAP ROCK OPERATING, LLC

Exhibit 1

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY TAP ROCK OPERATING, LLC**

ORDER NO. PLC-695-A

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. Tap Rock Operating, LLC ("Applicant") submitted a complete application to surface commingle and off-lease measure the oil and gas production ("Application") from the pools, leases, and wells identified in Exhibit A.
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7(B) NMAC.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.
6. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
7. Applicant in the notice for the Application stated that it sought authorization to add additional pools, leases, and wells and identified the parameters to make such additions.
8. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.

CONCLUSIONS OF LAW

9. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, and 19.15.12 NMAC.
10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10(A)(2), (C)(4)(c), and (C)(4)(e) NMAC, as applicable.
11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10(B)(1) or (C)(1) NMAC, as applicable.
12. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10(B)(3) and (C)(4)(h) NMAC.
13. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10(C)(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
14. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to surface commingle and off-lease measure oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to surface commingle and off-lease measure, as applicable, oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.

2. This Order supersedes Order PLC-695.
3. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.
4. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling.
5. Applicant shall measure the commingled oil at a central tank battery described in Exhibit A in accordance with 19.15.18.15 NMAC or 19.15.23.8 NMAC.

6. Applicant shall measure the commingled gas at a central delivery point or central tank battery described in Exhibit A in accordance with 19.15.19.9 NMAC, provided however that if the gas is flared, and regardless of whether OCD has granted an exception pursuant to 19.15.18.12(B) NMAC, Applicant shall report the gas in accordance with 19.15.18.12(F) NMAC.
7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
8. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
9. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B via the OCD Fee Portal in accordance with 19.15.12.10(C)(4)(g) NMAC.
10. If a well is not included in Exhibit A but produces from a pool or lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well and proposed method to determine the allocation of oil and gas production to it.
11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
12. OCD retains jurisdiction and reserves the right to modify or revoke this Order as it deems necessary to prevent waste or protect correlative rights, public health, or the environment.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ADRIENNE SANDOVAL
DIRECTOR**

AS/dm

DATE: 4/16/2021

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **PLC-695-A**

Operator: **Tap Rock Operating, LLC (372043)**

Central Tank Battery: **Hyperion State Tank Battery**

Central Tank Battery Location (NMPM): **W/2 W/2 Section 20, Township 24 South, Range 33 East**

Gas Custody Transfer Meter Location (NMPM): **W/2 W/2 Section 20, Township 24 South, Range 33 East**

Pools

Pool Name	Pool Code
WC-025 G-09 S243310P; UPPER WOLFCAMP	98135
TRIPLE X; BONE SPRING, WEST	96674

Leases as defined in 19.15.12.7(C) NMAC

Lease	Location (NMPM)	
VB 01790004 (WC)	W/2	Sec 20-T24S-R33E
VB 01790004 (BS)	W/2 W/2	Sec 20-T24S-R33E
CA WC NMSLO 1384175	W/2 E/2	Sec 20-T24S-R33E

Wells

Well API	Well Name	Location (NMPM)	Pool Code	Train
30-025-45842	Hyperion State #221H	D-20-24S-33E	98135	
30-025-46126	Hyperion State #141H	D-20-24S-33E	96674	
30-025-46765	Hyperion State Com #137H	C-20-24S-33E	98135	
30-025-46766	Hyperion State #202H	C-20-24S-33E	98135	
30-025-46660	Hyperion State #205H	D-20-24S-33E	98135	
30-025-46767	Hyperion State #217H	C-20-24S-33E	98135	
30-025-46659	Hyperion State #131H	D-20-24S-33E	98135	
30-025-46658	Hyperion State #201H	D-20-24S-33E	98135	
30-025-46661	Hyperion State #215H	D-20-24S-33E	98135	

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Tap Rock Operating
OPERATOR ADDRESS: 523 Park Point Dr. Suite 200. Golden, CO 80401
APPLICATION TYPE:

☐ Pool Commingling ☐ Lease Commingling ☒ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☐ Federal

Is this an Amendment to existing Order? ☒ Yes ☐ No If "Yes", please include the appropriate Order No. PLC-695-A
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☒ Yes ☐ No

(A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
See Attached					

- (2) Are any wells producing at top allowables? ☐ Yes ☒ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.
(4) Measurement type: ☒ Metering ☐ Other (Specify)
(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING

Please attach sheets with the following information

- (1) Pool Name and Code.
(2) Is all production from same source of supply? ☐ Yes ☒ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No
(4) Measurement type: ☒ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING

Please attach sheets with the following information

- (1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT

Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)

Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:  TITLE: Regulatory Analyst DATE: 2/10/2021

TYPE OR PRINT NAME Jeff Trlica TELEPHONE NO.: 720-772-5910

E-MAIL ADDRESS: jtrlica@taprk.com

TAP ROCK RESOURCES, LLC

523 PARK POINT DRIVE, SUITE 200 - GOLDEN, COLORADO 80401



February 9, 2022

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Application of Tap Rock Operating, LLC for administrative approval to amend surface commingle (pool and lease commingle) oil and gas production from the spacing units comprised of W/2, W/2E/2 Section 20, Township 24S, Range 33E Lea County, New Mexico (the "Lands")

To Whom This May Concern,

Tap Rock Operating, LLC ("Tap Rock"), OGRID No. 372043, requests amendment Order No. PLC-695-A to commingle current oil and gas production from sixteen (16) distinct wells located on the Lands and future production from the Lands as described herein. The wells will be metered through individual liquid coriolis flow meters for oil and orifice meters for gas. The gas commingling will occur after individual measurement at each well. Gas exiting each well test flows into one gathering line, as depicted on **Exhibit A**, the gas gathering line. Each well on the Lands will have its own test separator with a coriolis flow meter for oil and orifice meter for gas manufactured and assembled in accordance with the American Gas Association (AGA) specifications. All primary and secondary Electronic Flow Measurement (EFM) equipment is tested and calibrated by a reputable third-party measurement company in accordance with industry specifications.

Gas samples are obtained at the time of the meter testing and calibration and the composition and heating value are determined by a laboratory in accordance with the American Petroleum Institute (API) specifications to ensure accurate volume and energy (MMBTU) determinations.

The oil is measured via the coriolis flow meter in accordance with API Chapter 5.6 on each individual well and is calibrated periodically by a third-party measurement company for accuracy. After the oil is individually metered by coriolis flow meters at each well it can be comingled into a heater treater then into the stock tanks or, each well can be isolated into its own individual tank for testing purposes. The gas is measured on a volume and MMBTU basis by an orifice meter on each individual well and supporting EFM equipment in accordance with API Chapter 21.1. The gas is then sent into a gathering line where it is commingled with each of the other well's metered gas. The gathering line is then metered by another orifice meter at the tank battery check meter to show the total volume of gas leaving the tank battery. The tank battery meter is tested and calibrated in accordance with industry specifications and volume and energy and determined on an hourly, daily and monthly basis. Once the gas exits the final tank battery sales check it travels directly into a third-party sales connect meter. The third-party gas gatherer has its

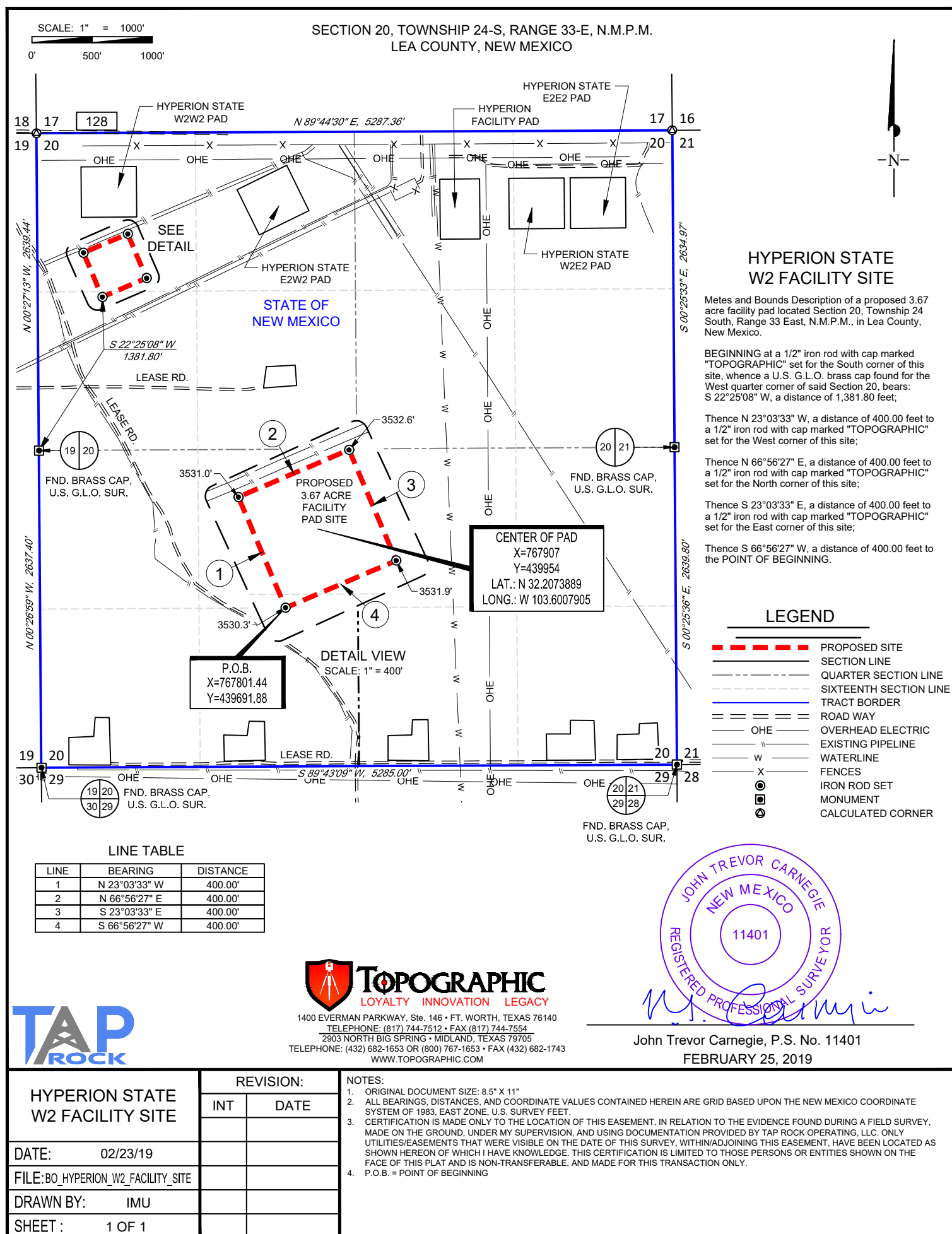
own meter that measures the gas for custody transfer and that meter is also calibrated periodically to ensure measurement accuracy.

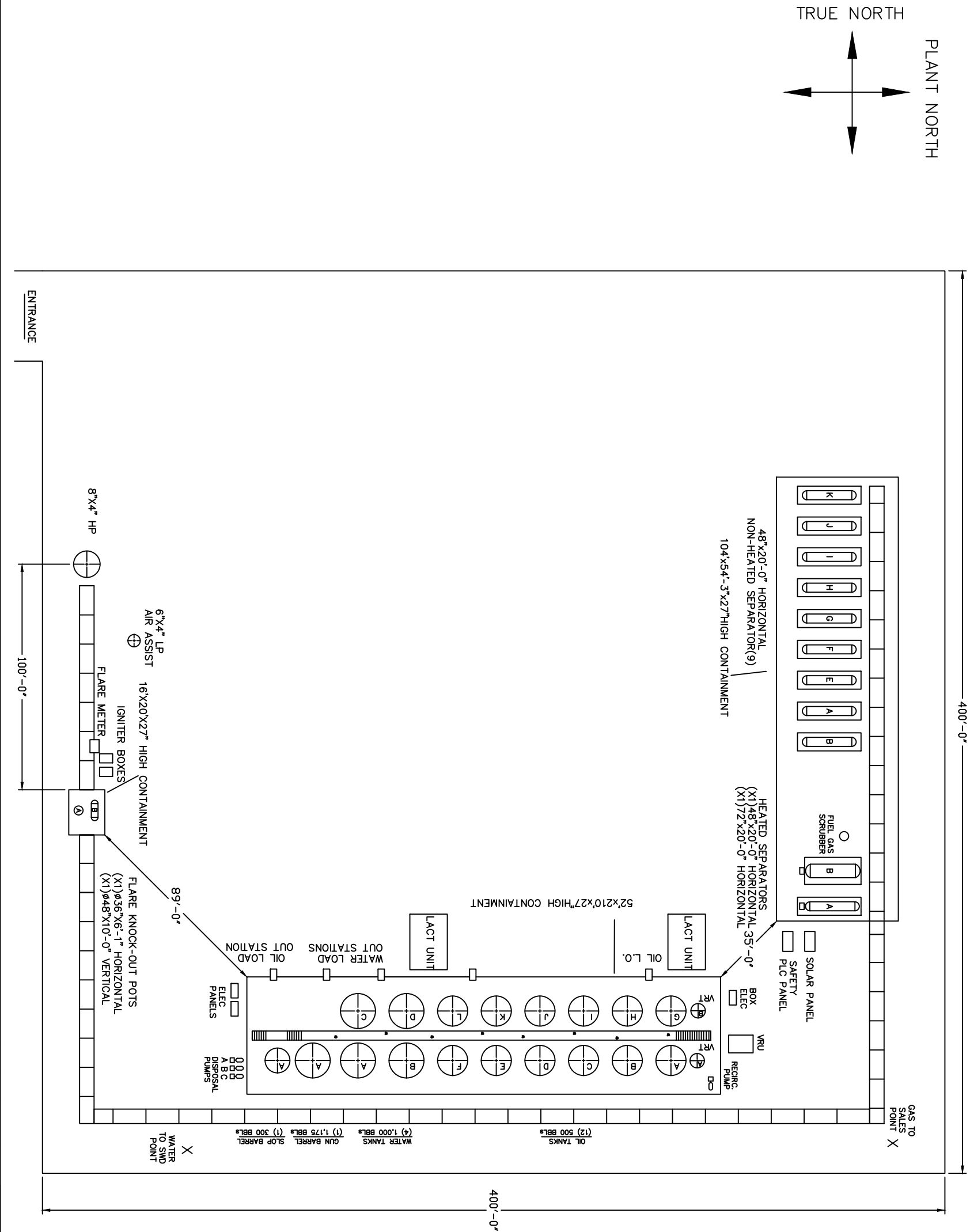
In conclusion, all the oil and gas produced on the Lands is and will be metered separately at each wellhead and allocated using accurate measurement equipment according to API specifications.

Regards,

TAP ROCK OPERATING, LLC

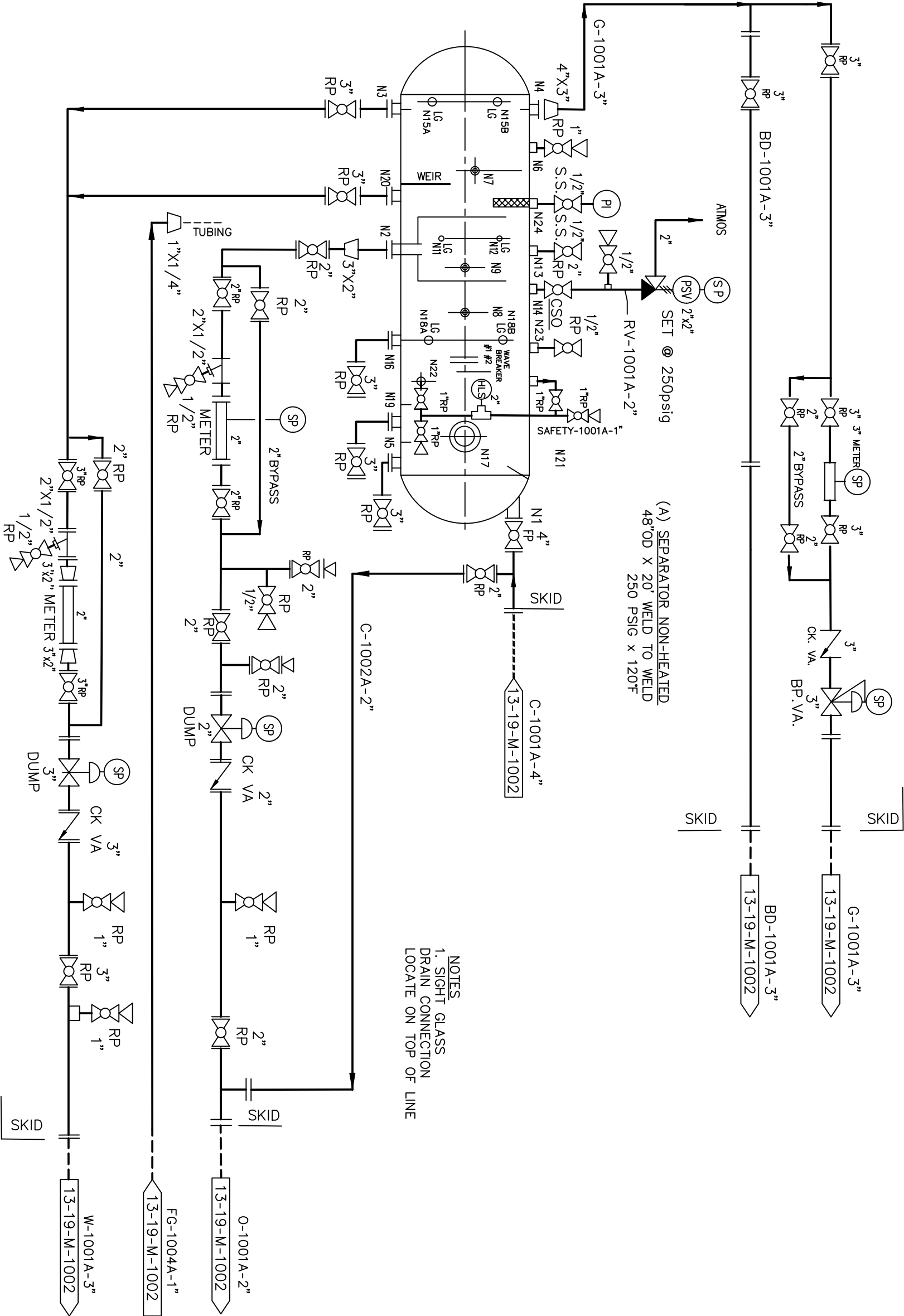
Jeff Trlica
Regulatory Analyst





NOTES										TAP ROCK RESOURCES									
NO.										PLOT PLAN									
REVISIONS										HYPERION									
0										ISSUED FOR CONSTRUCTION									
1										REVISED AS BUILT									
2										REVISED AS BUILT									

- LEGEND
- C-CRUDE
 - FG-FUEL GAS
 - HPG-HIGH PRESSURE GAS
 - O-OIL
 - RV- RELIEF
 - TV-TANK VENT
 - W-WATER
 - BD-BLOWDOWN
 - V-VENT
 - LPG-LOW PRESSURE GAS



NOTES									
NO.		REVISIONS							
0		ISSUED FOR CONSTRUCTION							
1		REVISED AS BUILT							
2		REVISED AS BUILT							
		BY	CHK.	DATE	APPR.				
		CF	GC	8/12/19	RW				
		CF	GC	7/17/20	RW				
		WM	CF	9/17/20	RW				
		CF			RW				

December 2, 2019

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Tap Rock Operating LLC
602 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Hyperion 141H
First Stage Separator
Spot Gas Sample @ 104 psig & 95 °F

Date Sampled: 11/15/2019

Job Number: 193752.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	2.059	
Carbon Dioxide	3.635	
Methane	68.639	
Ethane	13.245	3.629
Propane	7.411	2.092
Isobutane	0.876	0.294
n-Butane	2.212	0.714
2-2 Dimethylpropane	0.008	0.003
Isopentane	0.492	0.184
n-Pentane	0.523	0.194
Hexanes	0.372	0.157
Heptanes Plus	<u>0.528</u>	<u>0.214</u>
Totals	100.000	7.481

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.321 (Air=1)
Molecular Weight ----- 95.76
Gross Heating Value ----- 5040 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.825 (Air=1)
Compressibility (Z) ----- 0.9955
Molecular Weight ----- 23.80
Gross Heating Value
Dry Basis ----- 1335 BTU/CF
Saturated Basis ----- 1312 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) D. Field
Analyst: NG
Processor: RG
Cylinder ID: T-0722

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 193752.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	2.059		2.424
Carbon Dioxide	3.635		6.722
Methane	68.639		46.272
Ethane	13.245	3.629	16.735
Propane	7.411	2.092	13.732
Isobutane	0.876	0.294	2.139
n-Butane	2.212	0.714	5.402
2,2 Dimethylpropane	0.008	0.003	0.024
Isopentane	0.492	0.184	1.492
n-Pentane	0.523	0.194	1.586
2,2 Dimethylbutane	0.003	0.001	0.011
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.045	0.019	0.163
2 Methylpentane	0.117	0.050	0.424
3 Methylpentane	0.066	0.028	0.239
n-Hexane	0.141	0.059	0.511
Methylcyclopentane	0.070	0.025	0.248
Benzene	0.059	0.017	0.194
Cyclohexane	0.068	0.024	0.240
2-Methylhexane	0.017	0.008	0.072
3-Methylhexane	0.021	0.010	0.088
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.058	0.026	0.242
n-Heptane	0.040	0.019	0.168
Methylcyclohexane	0.051	0.021	0.210
Toluene	0.042	0.014	0.163
Other C8's	0.046	0.022	0.213
n-Octane	0.013	0.007	0.062
Ethylbenzene	0.003	0.001	0.013
M & P Xylenes	0.007	0.003	0.031
O-Xylene	0.002	0.001	0.009
Other C9's	0.018	0.009	0.095
n-Nonane	0.004	0.002	0.022
Other C10's	0.007	0.004	0.042
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.006</u>
Totals	100.000	7.481	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.825	(Air=1)
Compressibility (Z) -----	0.9955	
Molecular Weight -----	23.80	
Gross Heating Value		
Dry Basis -----	1335	BTU/CF
Saturated Basis -----	1312	BTU/CF

December 2, 2019

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

Sample: Hyperion 141H
 First Stage Separator
 Spot Gas Sample @ 104 psig & 95 °F

Date Sampled: 11/15/2019

Job Number: 193752.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	3.635		6.722
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	2.059		2.424
Methane	68.639		46.272
Ethane	13.245	3.629	16.735
Propane	7.411	2.092	13.732
Isobutane	0.876	0.294	2.139
n-Butane	2.220	0.718	5.426
Isopentane	0.492	0.184	1.492
n-Pentane	0.523	0.194	1.586
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.141	0.059	0.511
Cyclohexane	0.068	0.024	0.240
Other C6's	0.231	0.098	0.837
Heptanes	0.206	0.087	0.818
Methylcyclohexane	0.051	0.021	0.210
2,2,4 Trimethylpentane	0.000	0.000	0.000
Benzene	0.059	0.017	0.194
Toluene	0.042	0.014	0.163
Ethylbenzene	0.003	0.001	0.013
Xylenes	0.009	0.004	0.040
Octanes Plus	<u>0.090</u>	<u>0.046</u>	<u>0.446</u>
Totals	100.000	7.481	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.092 (Air=1)
 Molecular Weight ----- 117.98
 Gross Heating Value ----- 6221 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.825 (Air=1)
 Compressibility (Z) ----- 0.9955
 Molecular Weight ----- 23.80
 Gross Heating Value
 Dry Basis ----- 1335 BTU/CF
 Saturated Basis ----- 1312 BTU/CF

December 20, 2019

FESCO, Ltd.
1100 FESCO Avenue - Alice, Texas 78332

For: Tap Rock Operating LLC
 602 Park Point Drive, Suite 200
 Golden, Colorado 80401

Sample: Hyperion 141H
 First Stage Separator Hydrocarbon Liquid
 Sampled @ 104 psig & 95 °F

Date Sampled: 11/15/19

Job Number: 193752.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.056	0.010	0.010
Carbon Dioxide	0.196	0.054	0.055
Methane	2.380	0.652	0.246
Ethane	2.727	1.179	0.527
Propane	4.966	2.212	1.408
Isobutane	1.283	0.679	0.480
n-Butane	4.710	2.401	1.761
2,2 Dimethylpropane	0.084	0.052	0.039
Isopentane	2.449	1.448	1.136
n-Pentane	3.532	2.070	1.639
2,2 Dimethylbutane	0.019	0.013	0.010
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.283	0.188	0.157
2 Methylpentane	1.222	0.820	0.677
3 Methylpentane	0.754	0.498	0.418
n-Hexane	2.075	1.380	1.150
Heptanes Plus	<u>73.265</u>	<u>86.344</u>	<u>90.287</u>
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity -----	0.8332 (Water=1)
°API Gravity -----	38.34 @ 60°F
Molecular Weight -----	191.6
Vapor Volume -----	13.45 CF/Gal
Weight -----	6.94 Lbs/Gal

Characteristics of Total Sample:

Specific Gravity -----	0.7968 (Water=1)
°API Gravity -----	46.09 @ 60°F
Molecular Weight -----	155.5
Vapor Volume -----	15.86 CF/Gal
Weight -----	6.64 Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (24) Field
 Analyst: RR
 Processor: ANBdjv
 Cylinder ID: W-2001

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 193752.002

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.196	0.054	0.055
Nitrogen	0.056	0.010	0.010
Methane	2.380	0.652	0.246
Ethane	2.727	1.179	0.527
Propane	4.966	2.212	1.408
Isobutane	1.283	0.679	0.480
n-Butane	4.794	2.453	1.799
Isopentane	2.449	1.448	1.136
n-Pentane	3.532	2.070	1.639
Other C-6's	2.279	1.519	1.263
Heptanes	7.990	5.300	4.799
Octanes	9.676	7.141	6.673
Nonanes	5.390	4.658	4.394
Decanes Plus	42.507	64.761	69.619
Benzene	1.227	0.555	0.616
Toluene	2.945	1.595	1.745
E-Benzene	0.803	0.501	0.548
Xylenes	2.121	1.324	1.448
n-Hexane	2.075	1.380	1.150
2,2,4 Trimethylpentane	0.605	0.509	0.445
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity -----	0.7968	(Water=1)
°API Gravity -----	46.09	@ 60°F
Molecular Weight-----	155.5	
Vapor Volume -----	15.86	CF/Gal
Weight -----	6.64	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity -----	0.8565	(Water=1)
Molecular Weight-----	254.7	

Characteristics of Atmospheric Sample:

°API Gravity -----	42.78	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)-----	9.75	psi

QUALITY CONTROL CHECK		
	Sampling Conditions	Test Samples
Cylinder Number	-----	W-2001* -----
Pressure, PSIG	104	112 -----
Temperature, °F	95	95 -----

* Sample used for analysis

FESCO, Ltd.

Job Number: 193752.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.056	0.010	0.010
Carbon Dioxide	0.196	0.054	0.055
Methane	2.380	0.652	0.246
Ethane	2.727	1.179	0.527
Propane	4.966	2.212	1.408
Isobutane	1.283	0.679	0.480
n-Butane	4.710	2.401	1.761
2,2 Dimethylpropane	0.084	0.052	0.039
Isopentane	2.449	1.448	1.136
n-Pentane	3.532	2.070	1.639
2,2 Dimethylbutane	0.019	0.013	0.010
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.283	0.188	0.157
2 Methylpentane	1.222	0.820	0.677
3 Methylpentane	0.754	0.498	0.418
n-Hexane	2.075	1.380	1.150
Methylcyclopentane	1.436	0.822	0.777
Benzene	1.227	0.555	0.616
Cyclohexane	1.894	1.043	1.025
2-Methylhexane	0.868	0.652	0.559
3-Methylhexane	0.788	0.585	0.508
2,2,4 Trimethylpentane	0.605	0.509	0.445
Other C-7's	1.033	0.728	0.659
n-Heptane	1.971	1.470	1.270
Methylcyclohexane	2.982	1.938	1.883
Toluene	2.945	1.595	1.745
Other C-8's	4.944	3.753	3.504
n-Octane	1.751	1.451	1.286
E-Benzene	0.803	0.501	0.548
M & P Xylenes	1.626	1.020	1.110
O-Xylene	0.495	0.304	0.338
Other C-9's	3.968	3.364	3.222
n-Nonane	1.422	1.294	1.173
Other C-10's	4.831	4.501	4.389
n-decane	1.004	0.996	0.918
Undecanes(11)	4.705	4.497	4.447
Dodecanes(12)	3.387	3.497	3.507
Tridecanes(13)	3.454	3.824	3.887
Tetradecanes(14)	2.892	3.429	3.533
Pentadecanes(15)	2.478	3.148	3.282
Hexadecanes(16)	1.940	2.634	2.769
Heptadecanes(17)	1.641	2.356	2.501
Octadecanes(18)	1.597	2.414	2.578
Nonadecanes(19)	1.437	2.263	2.431
Eicosanes(20)	1.088	1.781	1.925
Heneicosanes(21)	0.952	1.639	1.781
Docosanes(22)	0.812	1.458	1.594
Tricosanes(23)	0.719	1.338	1.471
Tetracosanes(24)	0.622	1.198	1.323
Pentacosanes(25)	0.547	1.094	1.213
Hexacosanes(26)	0.500	1.036	1.154
Heptacosanes(27)	0.470	1.011	1.131
Octacosanes(28)	0.423	0.940	1.056
Nonacosanes(29)	0.362	0.829	0.935
Triacotanes(30)	0.347	0.821	0.929
Hentriacotanes Plus(31+)	<u>6.300</u>	<u>18.056</u>	<u>20.866</u>
Total	100.000	100.000	100.000

December 20, 2019

FESCO, Ltd.
1100 Fesco Avenue - Alice, Texas 78332

For: Tap Rock Operating LLC
 602 Park Point Drive, Suite 200
 Golden, Colorado 80401

Date Sampled: 11/15/19

Date Analyzed: 12/11/19

Sample: Hyperion 141H

Job Number: J193752

FLASH LIBERATION OF HYDROCARBON LIQUID		
	Separator HC Liquid	Stock Tank
Pressure, psig	104	0
Temperature, °F	95	70
Gas Oil Ratio (1)	-----	66.6
Gas Specific Gravity (2)	-----	1.329
Separator Volume Factor (3)	1.0681	1.000

STOCK TANK FLUID PROPERTIES	
Shrinkage Recovery Factor (4)	0.9362
Oil API Gravity at 60 °F	42.78
Reid Vapor Pressure Equivalent (D-6377), psi (5)	9.75

Quality Control Check			
	Sampling Conditions	Test Samples	
Cylinder No.	-----	W-2001*	-----
Pressure, psig	104	112	-----
Temperature, °F	95	95	-----

(1) - Scf of flashed vapor per barrel of stock tank oil

(2) - Air = 1.000

(3) - Separator volume / Stock tank volume

(4) - Fraction of first stage separator liquid

(5) - Absolute pressure at 100 deg F

Analyst: G.R.

* Sample used for flash study

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

December 17, 2019

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Tap Rock Operating LLC
602 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Hyperion 141H
Gas Evolved from Hydrocarbon Liquid Flashed
From 104 psig & 95 °F to 0 psig & 70 °F

Date Sampled: 11/15/2019

Job Number: 193752.011

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.377	
Carbon Dioxide	2.474	
Methane	26.411	
Ethane	23.416	6.473
Propane	25.810	7.350
Isobutane	3.840	1.299
n-Butane	9.997	3.258
2-2 Dimethylpropane	0.020	0.008
Isopentane	2.273	0.859
n-Pentane	2.399	0.899
Hexanes	1.417	0.603
Heptanes Plus	<u>1.566</u>	<u>0.624</u>
Totals	100.000	21.374

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity -----	3.267	(Air=1)
Molecular Weight -----	93.34	
Gross Heating Value -----	4900	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	1.329	(Air=1)
Compressibility (Z) -----	0.9865	
Molecular Weight -----	37.96	
Gross Heating Value -----		
Dry Basis -----	2189	BTU/CF
Saturated Basis -----	2151	BTU/CF

*Hydrogen Sulfide tested in laboratory by: Stain Tube Method (GPA 2377)
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) ETIII
Analyst: NG
Processor: NG
Cylinder ID: FL-15S

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 193752.011

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT**

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.377		0.278
Carbon Dioxide	2.474		2.868
Methane	26.411		11.162
Ethane	23.416	6.473	18.546
Propane	25.810	7.350	29.978
Isobutane	3.840	1.299	5.879
n-Butane	9.997	3.258	15.305
2,2 Dimethylpropane	0.020	0.008	0.038
Isopentane	2.273	0.859	4.320
n-Pentane	2.399	0.899	4.559
2,2 Dimethylbutane	0.013	0.006	0.030
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.178	0.075	0.404
2 Methylpentane	0.458	0.197	1.040
3 Methylpentane	0.249	0.105	0.565
n-Hexane	0.519	0.221	1.178
Methylcyclopentane	0.251	0.089	0.556
Benzene	0.202	0.058	0.416
Cyclohexane	0.234	0.082	0.518
2-Methylhexane	0.053	0.025	0.140
3-Methylhexane	0.066	0.031	0.174
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.184	0.083	0.481
n-Heptane	0.114	0.054	0.301
Methylcyclohexane	0.149	0.062	0.385
Toluene	0.103	0.036	0.250
Other C8's	0.128	0.062	0.372
n-Octane	0.022	0.012	0.066
Ethylbenzene	0.006	0.002	0.017
M & P Xylenes	0.011	0.004	0.031
O-Xylene	0.003	0.001	0.008
Other C9's	0.032	0.017	0.106
n-Nonane	0.004	0.002	0.014
Other C10's	0.003	0.002	0.011
n-Decane	0.000	0.000	0.000
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.004</u>
Totals	100.000	21.374	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	1.329	(Air=1)
Compressibility (Z) -----	0.9865	
Molecular Weight -----	37.96	
Gross Heating Value		
Dry Basis -----	2189	BTU/CF
Saturated Basis -----	2151	BTU/CF

October 6, 2020

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Tap Rock Operating LLC
523 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Hyperion State No. 205H
First Stage Separator
Spot Gas Sample @ 98 psig & 111 °F

Date Sampled: 09/25/2020

Job Number: 202626.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.818	
Carbon Dioxide	0.109	
Methane	77.462	
Ethane	11.048	3.026
Propane	5.156	1.455
Isobutane	0.876	0.294
n-Butane	1.917	0.619
2-2 Dimethylpropane	0.009	0.004
Isopentane	0.542	0.203
n-Pentane	0.618	0.229
Hexanes	0.604	0.255
Heptanes Plus	<u>0.841</u>	<u>0.364</u>
Totals	100.000	6.448

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.462 (Air=1)
Molecular Weight ----- 99.86
Gross Heating Value ----- 5332 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.767 (Air=1)
Compressibility (Z) ----- 0.9958
Molecular Weight ----- 22.13
Gross Heating Value
Dry Basis ----- 1353 BTU/CF
Saturated Basis ----- 1330 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) Field D.
Analyst: RG
Processor: KV
Cylinder ID: T-5316

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 202626.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.818		1.036
Carbon Dioxide	0.109		0.217
Methane	77.462		56.159
Ethane	11.048	3.026	15.014
Propane	5.156	1.455	10.276
Isobutane	0.876	0.294	2.301
n-Butane	1.917	0.619	5.036
2,2 Dimethylpropane	0.009	0.004	0.029
Isopentane	0.542	0.203	1.767
n-Pentane	0.618	0.229	2.015
2,2 Dimethylbutane	0.011	0.005	0.043
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.048	0.020	0.187
2 Methylpentane	0.188	0.080	0.732
3 Methylpentane	0.101	0.042	0.393
n-Hexane	0.256	0.108	0.997
Methylcyclopentane	0.089	0.031	0.339
Benzene	0.016	0.005	0.056
Cyclohexane	0.103	0.036	0.392
2-Methylhexane	0.042	0.020	0.190
3-Methylhexane	0.045	0.021	0.204
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.107	0.048	0.480
n-Heptane	0.093	0.044	0.421
Methylcyclohexane	0.109	0.045	0.484
Toluene	0.025	0.009	0.104
Other C8's	0.108	0.051	0.538
n-Octane	0.029	0.015	0.150
Ethylbenzene	0.001	0.000	0.005
M & P Xylenes	0.010	0.004	0.048
O-Xylene	0.002	0.001	0.010
Other C9's	0.034	0.018	0.194
n-Nonane	0.006	0.003	0.035
Other C10's	0.008	0.005	0.051
n-Decane	0.002	0.001	0.013
Undecanes (11)	<u>0.012</u>	<u>0.008</u>	<u>0.084</u>
Totals	100.000	6.448	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.767	(Air=1)
Compressibility (Z) -----	0.9958	
Molecular Weight -----	22.13	
Gross Heating Value		
Dry Basis -----	1353	BTU/CF
Saturated Basis -----	1330	BTU/CF

October 6, 2020

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

Sample: Hyperion State No. 205H
 First Stage Separator
 Spot Gas Sample @ 98 psig & 111 °F

Date Sampled: 09/25/2020

Job Number: 202626.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.109		0.217
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	0.818		1.036
Methane	77.462		56.159
Ethane	11.048	3.026	15.014
Propane	5.156	1.455	10.276
Isobutane	0.876	0.294	2.301
n-Butane	1.926	0.622	5.065
Isopentane	0.542	0.203	1.767
n-Pentane	0.618	0.229	2.015
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.256	0.108	0.997
Cyclohexane	0.103	0.036	0.392
Other C6's	0.348	0.147	1.355
Heptanes	0.376	0.164	1.634
Methylcyclohexane	0.109	0.045	0.484
2,2,4 Trimethylpentane	0.000	0.000	0.000
Benzene	0.016	0.005	0.056
Toluene	0.025	0.009	0.104
Ethylbenzene	0.001	0.000	0.005
Xylenes	0.012	0.005	0.058
Octanes Plus	<u>0.199</u>	<u>0.101</u>	<u>1.065</u>
Totals	100.000	6.448	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.102 (Air=1)
 Molecular Weight ----- 118.29
 Gross Heating Value ----- 6233 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.767 (Air=1)
 Compressibility (Z) ----- 0.9958
 Molecular Weight ----- 22.13
 Gross Heating Value
 Dry Basis ----- 1353 BTU/CF
 Saturated Basis ----- 1330 BTU/CF

October 20, 2020

FESCO, Ltd.
1100 FESCO Avenue - Alice, Texas 78332

For: Tap Rock Operating LLC
 523 Park Point Drive, Suite 200
 Golden, Colorado 80401

Sample: Hyperion State No. 205H
 First Stage Separator Hydrocarbon Liquid
 Sampled @ 98 psig & 111 °F

Date Sampled: 09/25/2020

Job Number: 202626.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.027	0.005	0.005
Carbon Dioxide	0.014	0.004	0.004
Methane	2.588	0.728	0.282
Ethane	2.021	0.897	0.413
Propane	3.051	1.395	0.915
Isobutane	1.151	0.625	0.455
n-Butane	3.591	1.879	1.419
2,2 Dimethylpropane	0.050	0.032	0.025
Isopentane	2.369	1.438	1.162
n-Pentane	3.464	2.084	1.699
2,2 Dimethylbutane	0.043	0.030	0.025
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.206	0.140	0.121
2 Methylpentane	1.165	0.802	0.683
3 Methylpentane	0.720	0.488	0.422
n-Hexane	2.285	1.560	1.339
Heptanes Plus	<u>77.255</u>	<u>87.893</u>	<u>91.031</u>
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity -----	0.8011 (Water=1)
°API Gravity -----	45.13 @ 60°F
Molecular Weight -----	173.3
Vapor Volume -----	14.31 CF/Gal
Weight -----	6.67 Lbs/Gal

Characteristics of Total Sample:

Specific Gravity -----	0.7735 (Water=1)
°API Gravity -----	51.43 @ 60°F
Molecular Weight -----	147.1
Vapor Volume -----	16.28 CF/Gal
Weight -----	6.44 Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (24) DF
 Analyst: JL
 Processor: HB
 Cylinder ID: W-4143P

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 202626.002

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.014	0.004	0.004
Nitrogen	0.027	0.005	0.005
Methane	2.588	0.728	0.282
Ethane	2.021	0.897	0.413
Propane	3.051	1.395	0.915
Isobutane	1.151	0.625	0.455
n-Butane	3.641	1.911	1.444
Isopentane	2.369	1.438	1.162
n-Pentane	3.464	2.084	1.699
Other C-6's	2.133	1.460	1.250
Heptanes	11.365	8.077	7.415
Octanes	10.101	8.067	7.587
Nonanes	7.423	6.672	6.402
Decanes Plus	43.850	62.057	66.438
Benzene	0.173	0.080	0.092
Toluene	1.023	0.569	0.641
E-Benzene	0.472	0.302	0.341
Xylenes	1.755	1.126	1.267
n-Hexane	2.285	1.560	1.339
2,2,4 Trimethylpentane	<u>1.093</u>	<u>0.943</u>	<u>0.849</u>
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity -----	0.7735	(Water=1)
°API Gravity -----	51.43	@ 60°F
Molecular Weight-----	147.1	
Vapor Volume -----	16.28	CF/Gal
Weight -----	6.44	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity -----	0.8281	(Water=1)
Molecular Weight-----	222.8	

Characteristics of Atmospheric Sample:

°API Gravity -----	49.03	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)-----	7.33	psi

QUALITY CONTROL CHECK		
	Sampling Conditions	Test Samples
Cylinder Number	-----	W-4143P* -----
Pressure, PSIG	98	96 -----
Temperature, °F	111	111 -----

* Sample used for analysis

FESCO, Ltd.

Job Number: 202626.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.027	0.005	0.005
Carbon Dioxide	0.014	0.004	0.004
Methane	2.588	0.728	0.282
Ethane	2.021	0.897	0.413
Propane	3.051	1.395	0.915
Isobutane	1.151	0.625	0.455
n-Butane	3.591	1.879	1.419
2,2 Dimethylpropane	0.050	0.032	0.025
Isopentane	2.369	1.438	1.162
n-Pentane	3.464	2.084	1.699
2,2 Dimethylbutane	0.043	0.030	0.025
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.206	0.140	0.121
2 Methylpentane	1.165	0.802	0.683
3 Methylpentane	0.720	0.488	0.422
n-Hexane	2.285	1.560	1.339
Methylcyclopentane	1.183	0.695	0.677
Benzene	0.173	0.080	0.092
Cyclohexane	1.653	0.934	0.946
2-Methylhexane	1.108	0.855	0.755
3-Methylhexane	1.012	0.771	0.690
2,2,4 Trimethylpentane	1.093	0.943	0.849
Other C-7's	2.801	2.060	1.889
n-Heptane	3.606	2.762	2.457
Methylcyclohexane	0.654	0.437	0.437
Toluene	1.023	0.569	0.641
Other C-8's	6.881	5.450	5.157
n-Octane	2.565	2.181	1.992
E-Benzene	0.472	0.302	0.341
M & P Xylenes	1.391	0.896	1.004
O-Xylene	0.364	0.230	0.263
Other C-9's	5.280	4.670	4.532
n-Nonane	2.144	2.002	1.869
Other C-10's	5.674	5.516	5.451
n-decane	1.476	1.504	1.428
Undecanes(11)	5.784	5.769	5.782
Dodecanes(12)	4.209	4.534	4.607
Tridecanes(13)	4.122	4.761	4.905
Tetradecanes(14)	3.288	4.068	4.248
Pentadecanes(15)	2.891	3.832	4.050
Hexadecanes(16)	2.099	2.972	3.168
Heptadecanes(17)	1.892	2.834	3.049
Octadecanes(18)	1.726	2.722	2.946
Nonadecanes(19)	1.498	2.461	2.679
Eicosanes(20)	1.099	1.877	2.056
Heneicosanes(21)	0.943	1.693	1.865
Docosanes(22)	0.798	1.495	1.656
Tricosanes(23)	0.701	1.360	1.515
Tetracosanes(24)	0.574	1.155	1.293
Pentacosanes(25)	0.522	1.088	1.223
Hexacosanes(26)	0.469	1.013	1.144
Heptacosanes(27)	0.414	0.929	1.054
Octacosanes(28)	0.378	0.877	0.998
Nonacosanes(29)	0.289	0.692	0.791
Triacotanes(30)	0.257	0.636	0.728
Hentriacotanes Plus(31+)	<u>2.746</u>	<u>8.268</u>	<u>9.802</u>
Total	100.000	100.000	100.000

October 20, 2020

FESCO, Ltd.
1100 Fesco Avenue - Alice, Texas 78332

For: Tap Rock Operating LLC
523 Park Point Drive, Suite 200
Golden, Colorado 80401

Date Sampled: 09/25/20

Date Analyzed: 10/10/20

Sample: Hyperion State No. 205H

Job Number: J202626

FLASH LIBERATION OF HYDROCARBON LIQUID		
	Separator HC Liquid	Stock Tank
Pressure, psig	98	0
Temperature, °F	111	70
Gas Oil Ratio (1)	-----	42.4
Gas Specific Gravity (2)	-----	1.194
Separator Volume Factor (3)	1.0592	1.000

STOCK TANK FLUID PROPERTIES	
Shrinkage Recovery Factor (4)	0.9441
Oil API Gravity at 60 °F	49.03
Reid Vapor Pressure Equivalent (D-6377), psi (5)	7.33

Quality Control Check			
	Sampling Conditions	Test Samples	
Cylinder No.	-----	T-4143P*	-----
Pressure, psig	98	96	-----
Temperature, °F	111	111	-----

(1) - Scf of flashed vapor per barrel of stock tank oil

(2) - Air = 1.000

(3) - Separator volume / Stock tank volume

(4) - Fraction of first stage separator liquid

(5) - Absolute pressure at 100 deg F

Analyst: E.T. III

* Sample used for flash study

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

October 13, 2020

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Tap Rock Operating LLC
523 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Hyperion State No. 205H
Gas Evolved from Hydrocarbon Liquid Flashed
From 98 psig & 111 °F to 0 psig & 70 °F

Date Sampled: 09/25/2020

Job Number: 202626.011

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.196	
Carbon Dioxide	0.138	
Methane	39.917	
Ethane	22.320	6.156
Propane	18.003	5.115
Isobutane	3.613	1.219
n-Butane	7.932	2.579
2-2 Dimethylpropane	0.052	0.020
Isopentane	2.193	0.827
n-Pentane	2.328	0.870
Hexanes	1.670	0.709
Heptanes Plus	<u>1.638</u>	<u>0.693</u>
Totals	100.000	18.189

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity -----	3.377	(Air=1)
Molecular Weight -----	96.73	
Gross Heating Value -----	5150	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	1.194	(Air=1)
Compressibility (Z) -----	0.9889	
Molecular Weight -----	34.20	
Gross Heating Value -----		
Dry Basis -----	2039	BTU/CF
Saturated Basis -----	2004	BTU/CF

*Hydrogen Sulfide tested in laboratory by: Stain Tube Method (GPA 2377)
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) ET III
Analyst: JRG
Processor: KV
Cylinder ID: FL-9S

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

FESCO, Ltd.

Job Number: 202626.011

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT**

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.196		0.161
Carbon Dioxide	0.138		0.178
Methane	39.917		18.721
Ethane	22.320	6.156	19.622
Propane	18.003	5.115	23.210
Isobutane	3.613	1.219	6.140
n-Butane	7.932	2.579	13.479
2,2 Dimethylpropane	0.052	0.020	0.110
Isopentane	2.193	0.827	4.626
n-Pentane	2.328	0.870	4.911
2,2 Dimethylbutane	0.036	0.016	0.091
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.142	0.060	0.358
2 Methylpentane	0.540	0.231	1.361
3 Methylpentane	0.282	0.119	0.711
n-Hexane	0.670	0.284	1.688
Methylcyclopentane	0.227	0.081	0.559
Benzene	0.039	0.011	0.089
Cyclohexane	0.245	0.086	0.603
2-Methylhexane	0.090	0.043	0.264
3-Methylhexane	0.093	0.044	0.272
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.229	0.103	0.664
n-Heptane	0.175	0.083	0.513
Methylcyclohexane	0.211	0.087	0.606
Toluene	0.044	0.015	0.119
Other C8's	0.186	0.089	0.599
n-Octane	0.032	0.017	0.107
Ethylbenzene	0.001	0.000	0.003
M & P Xylenes	0.012	0.005	0.037
O-Xylene	0.002	0.001	0.006
Other C9's	0.047	0.025	0.173
n-Nonane	0.005	0.003	0.019
Other C10's	0.000	0.000	0.000
n-Decane	0.000	0.000	0.000
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	18.189	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	1.194	(Air=1)
Compressibility (Z) -----	0.9889	
Molecular Weight -----	34.20	
Gross Heating Value		
Dry Basis -----	2039	BTU/CF
Saturated Basis -----	2004	BTU/CF



FEB 04 2021

Commissioner

Stephanie Garcia Richard

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

Erica Hixson
Tap Rock Operating, LLC
602 Park Point Dr., Suite 200
Golden, CO 80401

October 20th, 2020

Re: Communitization Agreement Approval
Hyperion State #137H
Vertical Extent: Wolfcamp
Township: 24 South, Range 33 East, NMPM
Sect 20: W2E2
Lea County, New Mexico

Dear Ms Hixson,

The Commissioner of Public Lands has this date approved the Hyperion State #137H Communitization Agreement for the Wolfcamp formation effective 3/1/2020. Enclosed are three Certificates of Approval.

The agreement shall remain in effect for One Year, and as long thereafter as communitized substances are produced from the communitized area in paying quantities.

Approval of this agreement does not warrant or certify that the operator and/or other working interest owners hold legal or equitable title to the leases which are committed hereto, nor does the Commissioner's approval constitute adjudication of any federal or private interests, or warrant or certify that the information supplied by the operator regarding federal or private interests is accurate.

If we may be of further service, please contact Niranjana Khalsa at (505) 827-6628.

Sincerely,

A handwritten signature in black ink that reads "Stephanie Garcia Richard" followed by a stylized flourish or initials.

Stephanie Garcia Richard
COMMISSIONER OF PUBLIC LANDS

NEW MEXICO STATE LAND OFFICE

CERTIFICATE OF APPROVAL

COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO

Tap Rock Operating, LLC
Hyperion State #137H
Vertical Extent: Wolfcamp
Township: 24 South, Range: 33 East, NMPM
Sect 20: W2E2
Lea County, New Mexico

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Communitization Agreement for the development and operation of acreage which is described within the referenced Agreement dated **March 1, 2020**, which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said Agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this **20th Day of October, 2020**.


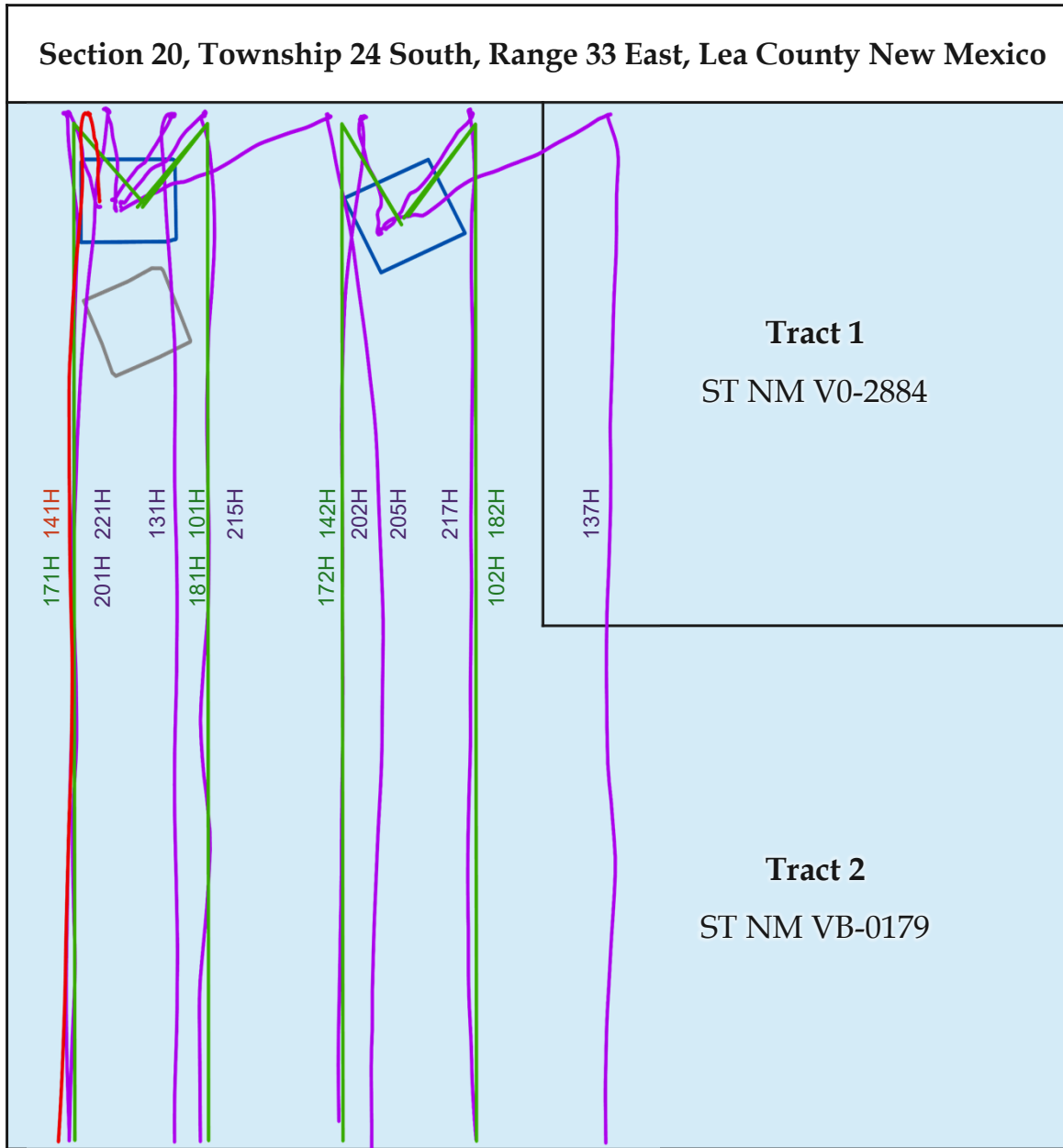

COMMISSIONER OF PUBLIC LANDS
of the State of New Mexico

Exhibit 4

APPLICATION TO POOL COMMINGLE, STORAGE AND SALES FOR OIL AND GAS PRODUCTION AT HYPERION CTB-A

Designation	Pool	API	Well Name	Well Number	OCD Unit Letter	Section	Township	Range	Date Online	Oil (MBOD)	GAS (MCFD)	Gravity	BTU/cf
Existing Bone Spring Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-46126	HYPERION STATE	#141H	D	20	24S	33E	9/19/2019	0.80	1291	47	1288
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-45842	HYPERION STATE	#221H	D	20	24S	33E	9/19/2019	0.69	3252	53	1276
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46659	HYPERION STATE	#131H	D	20	24S	33E	7/24/2020	0.98	2073	50	1379
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46765	HYPERION STATE COM	#137H	C	20	24S	33E	7/24/2020	0.83	1858	52	1321
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46658	HYPERION STATE	#201H	D	20	24S	33E	7/24/2020	0.92	2188	52	1371
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46766	HYPERION STATE	#202H	C	20	24S	33E	7/24/2020	0.84	1916	52	1351
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46660	HYPERION STATE	#205H	D	20	24S	33E	7/24/2020	0.61	3382	54	1297
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46661	HYPERION STATE	#215H	D	20	24S	33E	7/24/2020	0.87	2034	53	1344
Existing Wolfcamp Well	[98135] WC-025 G-09 S243310P; UPPER WOLFCAMP	30-025-46767	HYPERION STATE	#217H	C	20	24S	33E	7/24/2020	1.11	2424	52	1342
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48662	HYPERION STATE	#101H	D	20	24S	33E	11/26/2022	0.65	962	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48663	HYPERION STATE	#102H	C	20	24S	33E	11/26/2022	0.65	962	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48667	HYPERION STATE	#171H	D	20	24S	33E	11/26/2022	0.78	1739	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48668	HYPERION STATE	#172H	C	20	24S	33E	11/26/2022	0.78	1739	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48669	HYPERION STATE	#181H	D	20	24S	33E	11/26/2022	0.41	735	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48670	HYPERION STATE	#182H	C	20	24S	33E	11/26/2022	0.41	735	48	1124
New Well	[96674] TRIPLE X; BONE SPRING, WEST	30-025-48664	HYPERION STATE	#142H	C	20	24S	33E	11/26/2022	0.42	845	48	1124



State Acreage



Existing [96674] TRIPLE X;
BONE SPRING, WEST



Existing [98135] WC-025 G-09
S243310P; UPPER WOLFCAMP



New [96674] TRIPLE X;
BONE SPRING, WEST



Drilling Pad



CTB A

Exhibit 5

ADDR1	ADDR2	ADDR3	ADDR4	ADDR5	ADDR6	ADDR7
Tap Rock Resources LLC		523 Park Point Drive	Ste 200	Golden	CO	80401
Tap Rock Minerals LP		523 Park Point Drive	Ste 200	Golden	CO	80401
Leslie Robert Honeyman Trust	Lanell Joy Honeyman, Trustee	406 Skywood Cir		Midland	TX	79705
Calmon Oil Company		200 N Loraine St	Ste 1404	Midland	TX	79701
Canyon Properties LLC		1500 Broadway	Ste 1212	Lubbock	TX	79401
H M Bettis Inc		PO Box 1240		Graham	TX	76450
Bettis Brothers LP	Harry M Bettis Jr LLC, General Partner	500 W Texas Ave	Ste 830	Midland	TX	79701
J M Welborn Trust U/T/A Dated 10/23/1992	C/O Prosperity Bank Trust Department	1500 Broadway	Ste 1212	Lubbock	TX	79401
L E Oppermann		1505 Neely Ave		Midland	TX	79705
S B Street & Co		PO Box 206		Graham	TX	76450
Paul J Kelly Jr and Ruth D Kelly		PO Box 10113		Santa Fe	NM	87504
Wade Petroleum Corporation		9 Broken Arrow Pl		Sandia Park	NM	87047
Guinn Family Properties LTD	MSG Family Management LLC, Gen Partner	PO Box 1298		Graham	TX	76450
W T Boyle & Co		PO Box 57		Graham	TX	76450
Stovall Investments Inc		PO Box 10		Graham	TX	76450
Tocor Investments Inc		PO Box 293		Midland	TX	79702
Commissioner of Public Lands		PO Box 1148		Santa Fe	NM	87504-1148
Dolores L McCall		PO Box 931		Midland	TX	79702
Davenport Conger Properties LP		PO Box 3511		Midland	TX	79702
G. E. Rogers, LLC		PO Box 1424		Graham	TX	76450
TC Energy LLC		PO Box 1461		Graham	TX	76450
The Allar Company		PO Box 1567		Graham	TX	76450
TD Minerals LLC		8111 Westchester Dr	Ste 900	Dallas	TX	75225
Patrick Monaghan Trust U/T/A Dated 11/24/10	Trustee Patrick K Monaghan	2610 W Sunnyside Ave		Chicago	IL	60625
Solar Flare Investments LLC		1801 Red Bud Ln	Ste B-248	Round Rock	TX	78664
Sonic Minerals LP		PO Box 1240		Graham	TX	76450
Jeb Cory Honeyman		2890 Forest Drive		Celina	TX	75009

Brent Jeremy Honeyman		26 Meadow Brook Place		The Woodlands	TX	77382
Pegasus Resources II LLC		PO Box 470698		Fort Worth	TX	76147
Breck Minerals LP		PO Box 911		Breckenridge	TX	76424
BF Albritton LLC		PO Box 266		Graham	TX	76450
Cardinal Plastics Inc		PO Box 935		Odessa	TX	79760-0935
J D Murchison Interests Inc		7250 Dallas Pkwy	Ste 1400	Plano	TX	75024
Delaware Barley LLC	CO Benefit Street Partners LLC	9 West 57th Street	Ste 4920	New York	NY	10019
Murchison Oil and Gas LLC		7250 Dallas Parkway	Ste 1400	Plano	TX	75024
Judith K Martin		25 Lakes Drive		Midland	TX	79705
Kastman Oil Company		PO Box 5930		Lubbock	TX	79408-5930
Sonic Oil & Gas LP	Sonic Investments Inc, General Partner	PO Box 1240		Graham	TX	76450



Adam G. Rankin
Phone (505) 954-7294
Fax (505) 819-5579
AGRankin@hollandhart.com

February 17, 2022

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: ALL AFFECTED PARTIES

Re: Application of Tap Rock Operating, LLC to amend Administrative Order PLC-695-A to add additional wells and to authorize additional lease commingling at the Hyperion State Tank Battery A located in the W/2 W/2 of Section 20, Township 24 South, Range 33 East, Lea County, New Mexico.

Ladies and Gentlemen:

Enclosed is a copy of the above-referenced application, which was filed with the New Mexico Oil Conservation Division on this date. Any objection to this application must be filed in writing within twenty days from this date at the Division's Santa Fe office located at 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division.

If you have any questions about this application, please contact the following:

Jeff Trlica
Regulatory Analyst
Tap Rock Operating, LLC
(720) 772-5910

Sincerely,

A handwritten signature in blue ink, appearing to be "A.G. Rankin", with a long horizontal flourish extending to the right.

Adam G. Rankin
ATTORNEY FOR
TAP ROCK OPERATING, LLC

Parent ID	Mail Date	Company	Name	Address 1	City	ST	Zip	MailClass	TrackingNo	Well
31309	02/17/2022		Tap Rock Resources LLC	523 Park Point Dr Ste 200	Golden	CO	80401-9387	Certified with Return Receipt (Signature)	94148118987 65847564597	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 1
31309	02/17/2022		Tap Rock Minerals LP	523 Park Point Dr Ste 200	Golden	CO	80401-9387	Certified with Return Receipt (Signature)	94148118987 65847564542	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 2
31309	02/17/2022	Lanell Joy Honeyman, Trustee	Leslie Robert Honeyman Trust	406 Skywood	Midland	TX	79705-2914	Certified with Return Receipt (Signature)	94148118987 65847564580	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 3
31309	02/17/2022		Calmon Oil Company	200 N Loraine St Ste 1404	Midland	TX	79701-4753	Certified with Return Receipt (Signature)	94148118987 65847564573	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 4
31309	02/17/2022		Canyon Properties LLC	1500 Broadway Ste 1212	Lubbock	TX	79401-3228	Certified with Return Receipt (Signature)	94148118987 65847565211	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 5
31309	02/17/2022		H M Bettis Inc	PO Box 1240	Graham	TX	76450-1240	Certified with Return Receipt (Signature)	94148118987 65847565259	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 6
31309	02/17/2022	Harry M Bettis Jr LLC, General Partner	Bettis Brothers LP	500 W Texas Ave Ste 830	Midland	TX	79701-4276	Certified with Return Receipt (Signature)	94148118987 65847565228	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 7
31309	02/17/2022	C/O Prosperity Bank Trust Department	J M Welborn Trust U/T/A Dated 10/23/1992	1500 Broadway Ste 1212	Lubbock	TX	79401-3228	Certified with Return Receipt (Signature)	94148118987 65847565204	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 8

Parent ID	Mail Date	Company	Name	Address 1	City	ST	Zip	MailClass	TrackingNo	Well
31309	02/17/2022		L E Oppermann	1505 Neely Ave	Midland	TX	79705-7558	Certified with Return Receipt (Signature)	94148118987 65847565242	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 9
31309	02/17/2022		S B Street & Co	PO Box 206	Graham	TX	76450-0206	Certified with Return Receipt (Signature)	94148118987 65847565280	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 10
31309	02/17/2022		Paul J Kelly Jr and Ruth D Kelly	PO Box 10113	Santa Fe	NM	87504-6113	Certified with Return Receipt (Signature)	94148118987 65847565273	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 11
31309	02/17/2022		Wade Petroleum Corporation	9 Broken Arrow Pl	Sandia Park	NM	87047-8548	Certified with Return Receipt (Signature)	94148118987 65847565815	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 12
31309	02/17/2022	Msg Family Management LLC, Gen Partner	Guinn Family Properties LTD	PO Box 1298	Graham	TX	76450-1298	Certified with Return Receipt (Signature)	94148118987 65847565853	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 13
31309	02/17/2022		W T Boyle & Co	PO Box 57	Graham	TX	76450-0057	Certified with Return Receipt (Signature)	94148118987 65847565860	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 14
31309	02/17/2022		Stovall Investments Inc	PO Box 10	Graham	TX	76450-0010	Certified with Return Receipt (Signature)	94148118987 65847565822	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 15
31309	02/17/2022		Tocor Investments Inc	PO Box 293	Midland	TX	79702-0293	Certified with Return Receipt (Signature)	94148118987 65847565808	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 16

Parent ID	Mail Date	Company	Name	Address 1	City	ST	Zip	MailClass	TrackingNo	Well
31309	02/17/2022		Commissioner of Public Lands	PO Box 1148	Santa Fe	NM	87504-1148	Certified with Return Receipt (Signature)	9414811898765847565891	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 17
31309	02/17/2022		Dolores L McCall	PO Box 931	Midland	TX	79702-0931	Certified with Return Receipt (Signature)	9414811898765847565846	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 18
31309	02/17/2022		Davenport Conger Properties LP	PO Box 3511	Midland	TX	79702-3511	Certified with Return Receipt (Signature)	9414811898765847565877	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 19
31309	02/17/2022		G. E. Rogers, LLC	PO Box 1424	Graham	TX	76450-7424	Certified with Return Receipt (Signature)	9414811898765847565716	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 20
31309	02/17/2022		TC Energy LLC	PO Box 1461	Graham	TX	76450-7461	Certified with Return Receipt (Signature)	9414811898765847565754	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 21
31309	02/17/2022		The Allar Company	PO Box 1567	Graham	TX	76450-7567	Certified with Return Receipt (Signature)	9414811898765847565709	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 22
31309	02/17/2022		TD Minerals LLC	8111 Westchester Dr Ste 900	Dallas	TX	75225-6146	Certified with Return Receipt (Signature)	9414811898765847565747	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 23
31309	02/17/2022	Trustee Patrick K Monaghan	Patrick Monaghan Trust U/T/A Dated 11/24/10	2610 W Sunnyside Ave	Chicago	IL	60625-3023	Certified with Return Receipt (Signature)	9414811898765847565785	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 24

Parent ID	Mail Date	Company	Name	Address 1	City	ST	Zip	MailClass	TrackingNo	Well
31309	02/17/2022		Solar Flare Investments LLC	1801 Red Bud Ln Ste B-248	Round Rock	TX	78664-3813	Certified with Return Receipt (Signature)	9414811898765847565778	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 25
31309	02/17/2022		Sonic Minerals LP	PO Box 1240	Graham	TX	76450-1240	Certified with Return Receipt (Signature)	9414811898765847565914	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 26
31309	02/17/2022		Jeb Cory Honeyman	2890 Forest Dr	Celina	TX	75009-2823	Certified with Return Receipt (Signature)	9414811898765847565952	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 27
31309	02/17/2022		Brent Jeremy Honeyman	26 Meadow Brook Pl	The Woodlands	TX	77382-1256	Certified with Return Receipt (Signature)	9414811898765847565969	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 28
31309	02/17/2022		Pegasus Resources II LLC	PO Box 470698	Fort Worth	TX	76147-0698	Certified with Return Receipt (Signature)	9414811898765847565921	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 29
31309	02/17/2022		Breck Minerals LP	PO Box 911	Breckenridge	TX	76424-0911	Certified with Return Receipt (Signature)	9414811898765847565907	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 30
31309	02/17/2022		BF Albritton LLC	PO Box 266	Graham	TX	76450-0266	Certified with Return Receipt (Signature)	9414811898765847565983	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 31
31309	02/17/2022		Cardinal Plastics Inc	PO Box 935	Odessa	TX	79760-0935	Certified with Return Receipt (Signature)	9414811898765847565938	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 32

Parent ID	Mail Date	Company	Name	Address 1	City	ST	Zip	MailClass	TrackingNo	Well
31309	02/17/2022		J D Murchison Interests Inc	7250 Dallas Pkwy Ste 1400	Plano	TX	75024-5002	Certified with Return Receipt (Signature)	94148118987 65847565976	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 33
31309	02/17/2022	Co Benefit Street Partners LLC	Delaware Barley LLC	9 W 57th St Rm 4920	New York	NY	10019-2705	Certified with Return Receipt (Signature)	94148118987 65847565617	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 34
31309	02/17/2022		Murchison Oil and Gas LLC	7250 Dallas Pkwy Ste 1400	Plano	TX	75024-5002	Certified with Return Receipt (Signature)	94148118987 65847565655	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 35
31309	02/17/2022		Judith K Martin	25 Lakes Dr	Midland	TX	79705-1929	Certified with Return Receipt (Signature)	94148118987 65847565624	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 36
31309	02/17/2022		Kastman Oil Company	PO Box 5930	Lubbock	TX	79408-5930	Certified with Return Receipt (Signature)	94148118987 65847565600	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 37
31309	02/17/2022	Sonic Investments Inc, General Partner	Sonic Oil & Gas LP	PO Box 1240	Graham	TX	76450-1240	Certified with Return Receipt (Signature)	94148118987 65847565693	71879 - Exhibit 5 - Hyperion A Commingling Notice List 18261578v2 - 38

From: [Engineer, OCD, EMNRD](#)
To: [Adam Rankin](#); [Paula M. Vance](#)
Cc: [McClure, Dean, EMNRD](#); [Kautz, Paul, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); lisa@rwbyram.com; [Dawson, Scott](#)
Subject: Approved Administrative Order PLC-695-B
Date: Monday, August 8, 2022 9:16:15 AM
Attachments: [PLC695B Order.pdf](#)

NMOCD has issued Administrative Order PLC-695-B which authorizes Tap Rock Operating, LLC (372043) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-45842	Hyperion State #221H	W/2 W/2	20-24S-33E	98135
30-025-46659	Hyperion State #131H	W/2 W/2	20-24S-33E	98135
30-025-46658	Hyperion State #201H	W/2 W/2	20-24S-33E	98135
30-025-46661	Hyperion State #215H	W/2 W/2	20-24S-33E	98135
30-025-48667	Hyperion State #171H	W/2 W/2	20-24S-33E	96674
30-025-48669	Hyperion State #181H	W/2 W/2	20-24S-33E	96674
30-025-48662	Hyperion State #101H	W/2 W/2	20-24S-33E	96674
30-025-46126	Hyperion State #141H	W/2 W/2	20-24S-33E	96674
30-025-46766	Hyperion State #202H	E/2 W/2	20-24S-33E	98135
30-025-46660	Hyperion State #205H	E/2 W/2	20-24S-33E	98135
30-025-46767	Hyperion State #217H	E/2 W/2	20-24S-33E	98135
30-025-48664	Hyperion State #142H	E/2 W/2	20-24S-33E	96674
30-025-48668	Hyperion State #172H	E/2 W/2	20-24S-33E	96674
30-025-48663	Hyperion State #102H	E/2 W/2	20-24S-33E	96674
30-025-48670	Hyperion State #182H	E/2 W/2	20-24S-33E	96674
30-025-46765	Hyperion State Com #137H	W/2 E/2	20-24S-33E	98135

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
 Petroleum Engineer, Oil Conservation Division
 New Mexico Energy, Minerals and Natural Resources Department
 (505) 469-8211

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY TAP ROCK OPERATING, LLC**

ORDER NO. PLC-695-B

ORDER

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. Tap Rock Operating, LLC (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7.B. NMAC.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
6. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
7. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10.C.(4)(g) NMAC.
8. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.
9. Applicant submitted or intends to submit one or more proposed communitization agreement(s) (“Proposed Agreement(s)”) to the BLM or NMSLO, as applicable, identifying

the acreage of each lease to be consolidated into a single pooled area ("Pooled Area"), as described in Exhibit B.

CONCLUSIONS OF LAW

10. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.
11. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
12. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
13. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
14. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
15. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10.C.(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
16. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A at a central tank battery described in Exhibit A.

2. This Order supersedes Order PLC-695-A.
3. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to

wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.

4. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling.
5. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
6. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
8. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
9. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10.C.(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
10. If a well is not included in Exhibit A but produces from a pool or lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.
11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.

12. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
13. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ADRIENNE E. SANDOVAL
DIRECTOR**

DATE: 8/07/2022

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: PLC-695-B

Operator: Tap Rock Operating, LLC (372043)

Central Tank Battery: Hyperion State Tank Battery

Central Tank Battery Location: UL D, Section 20, Township 24 South, Range 33 East

Gas Title Transfer Meter Location: UL D, Section 20, Township 24 South, Range 33 East

Pools

Pool Name	Pool Code
TRIPLE X; BONE SPRING, WEST	96674
WC-025 G-09 S243310P; UPPER WOLFCAMP	98135

Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
CA Wolfcamp NMSLO PUN 1384175	W/2 E/2	20-24S-33E
VB 01790005	W/2, SE/4	20-24S-33E

Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-45842	Hyperion State #221H	W/2 W/2	20-24S-33E	98135
30-025-46659	Hyperion State #131H	W/2 W/2	20-24S-33E	98135
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30-025-48669	Hyperion State #181H	W/2 W/2	20-24S-33E	96674
30-025-48662	Hyperion State #101H	W/2 W/2	20-24S-33E	96674
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30-025-48663	Hyperion State #102H	E/2 W/2	20-24S-33E	96674
30-025-48670	Hyperion State #182H	E/2 W/2	20-24S-33E	96674
30-025-46765	Hyperion State Com #137H	W/2 E/2	20-24S-33E	98135

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 83186

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 83186
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	8/8/2022