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

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

Form C-107-B
Revised August 1, 2011

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: _____

OPERATOR ADDRESS: _____

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. _____

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

(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:_____ DATE:_____

TYPE OR PRINT NAME_____ TELEPHONE NO.:_____

E-MAIL ADDRESS:_____

Kaiser-Francis Oil Company plans to reduce surface footprint and potential emissions sources from an excess of production tanks and equipment on its Red Hills Facility Pad 2, which 3 distinct facilities at present: an Avalon side, a Bone Springs side, and a Wolfcamp side. KFOC would like to surface commingle the different pools as well as the leases, to reduce the number of active production tanks on the site.

The current facility isolates the (3) Avalon wells, (4) Bone Springs wells and (7) Wolfcamp wells, on all 3 phases: oil, gas, and water. It was designed with IP rates in mind, and now that the wells have been online for ~3.5 years and experienced significant decline, it makes sense to further reduce our surface footprint through surface commingling.

Each well flows full well-stream into its own, unique three-phase separator. Gas from each separator goes through separate, electronic flow meters (EFM) for allocation purposes before going to sales meters provided by MPLX. Currently, for gas sales, the Avalon wells are isolated to their own twin sales meters, the Bone Springs wells to their own twin sales meters, and the Wolfcamp to their own twin sales meters. KFOC does not plan to surface commingle the gas currently, due to higher levels of CO2 present in the Avalon and Bone Springs wells. Thus, the lower CO2 is required to be isolated and not commingled, as it used for gas lift gas for the field via centralized compression. Thus, at this time, the gas will not be commingled, and the gas infrastructure already in place will remain relatively unchanged for this project.

On the liquid side, the ultimate plan for this facility will involve reducing the total storage tank count by at least 50%, as well as the current heater treater count, which in turn would reduce the current containment space significantly. There are currently 39 production storage tanks and 8 heaters treaters on this site. Each well would continue to have its own unique three-phase separator as described above. At present time, the oil flows from each separator to a shared heater treater (1-2 wells per heater). The oil would be commingled on a trunkline (downstream of allocation Coriolis meters) once leaving the separators and combined to flow into a reduced number of heater treaters, with 1 heater treater serving as a spare and handling LACT divert. The oil would leave the heaters and be commingled in a reduced number of oil tanks.

Water would be handled in a similar fashion to oil described above. Water from each three-phase separator would be metered with individual turbine meters for allocation purposes, before being commingled into a reduced number of common water tanks.

Once commingled oil is stored in common storage tanks, the oil would be pumped and sold via a common LACT, reducing the number of LACT skids from 3 to 1. Similarly, once commingled water is stored in common storage tanks, it would be pumped down the SWD line for disposal, reducing the number of water pumps in the process. KFOC would also replace/upgrade any tanks as needed once the project has been undertaken.

Vent lines on both the oil tanks and water tanks would be upgraded and fabricated to fit the new commingled tank set-up, including vent line to flare. Oil tank vapors from the commingled oil tanks would be collected by a single VRU and allocated based on oil Coriolis allocation meters. Similarly, heater treater vapors would be collected by another VRU. The gas from both tanks and heaters VRUs would be commingled and metered, then allocated based on oil Coriolis allocation meters. Vent line to flare would also be re-routed and upgraded to simplest, most efficient path. The vent header system will also be upgraded as well as the thief hatches on the production tanks. All current slop tanks would be removed, and LACT reject and/or circulating line from the oil tanks would be plumbed to one of the active heater treaters.

Ultimately, this project would see up to 50% of its current tank count and heater count decommission and removed from the site. Additionally, 2 LACT skids and multiple water pumps would be decommissioned and removed from the facility.

KAISER-FRANCIS OIL COMPANY

Surface & Pool Commingling
Red Hills Federal 005H, 006H, 106H, 205H, 206H, 404H, 406H, 504H, 505H, 506H, 604H, 606H 705H, 706H
Section 31 25S-33E & Section 6 26S-33E; 32.24206º N 103.39386º W

1) The CAA won't negatively affect the royalty revenue of the Federal Government.

2) List of Leases, Unit PA, or CAs in the proposed CAA.

CA Lease	Pool	Production to Commingle	Federal Royalty Rates	Distribution
NMNM105785709	Bone Spring	Oil	12.5%	NMNM122620- 43.75% NMNM015321- 56.25%
NMNM105780582	Wolfcamp	Oil	12.5%	NMNM122620- 43.75% NMNM015321- 56.25%

MASS Serial Register Pages are attached.

3) Allocation methodology attached in following pages.

4) Topographic map attached in following pages.

5) All leases and CAs in the proposed CAA are capable of producing in paying quantities. Attached is a monthly production plot for the Red Hills Federal 006H to evidence paying quantities status.

6) Gas Analysis
(a) BTU Content included.
(b) Oil Gravities:

		Oil Gravity
Red Hills Federal 205H	30-025-47228	44.4
Red Hills Federal 206H	30-025-47182	44.4
Red Hills Federal 705H	30-025-47184	44.4
Red Hills Federal 706H	30-025-47186	44.4
Red Hills Federal 404H	30-025-47037	46.6
Red Hills Federal 406H	30-025-47039	46.6
Red Hills Federal 504H	30-025-47038	46.6
Red Hills Federal 505H	30-025-47031	46.6
Red Hills Federal 506H	30-025-47189	46.6
Red Hills Federal 604H	30-025-47190	46.6
Red Hills Federal 606H	30-025-47185	46.6
Red Hills Federal 005H	30-025-46992	45.7
Red Hills Federal 006H	30-025-46993	45.7
Red Hills Federal 106H	30-025-47036	45.7

7) All FMPs are located on lease at the well pad.

8) No new surface disturbance is included as part of the proposed CAA.

9) Additional documentation that would be required under 3173.15 (f-j) relating to right of way grant applications: N/A if 8 is correct.

3173.15 (f): Surface use plan not required since there won't be any no new surface disturbance for the FMP.

3173.15 (g): Right of way grant application isn't required since there won't be any new surface disturbance for the FMP.

3173.15 (h): Written approval from surface-management agency isn't required since there won't be any new surface disturbance for the FMP.

3173.15 (i): Right of way grant application isn't required since the surface facility isn't on Indian land.

KFOC Red Hills Facility Pad 2

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

N

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620
Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620
Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620

Bone Springs FP2
(detail displayed pg 4)

Wolfcamp FP2
(detail displayed pg 3)

Avalon FP2
(detail displayed pg 2)

MPLX Wolfcamp FP2 Sales

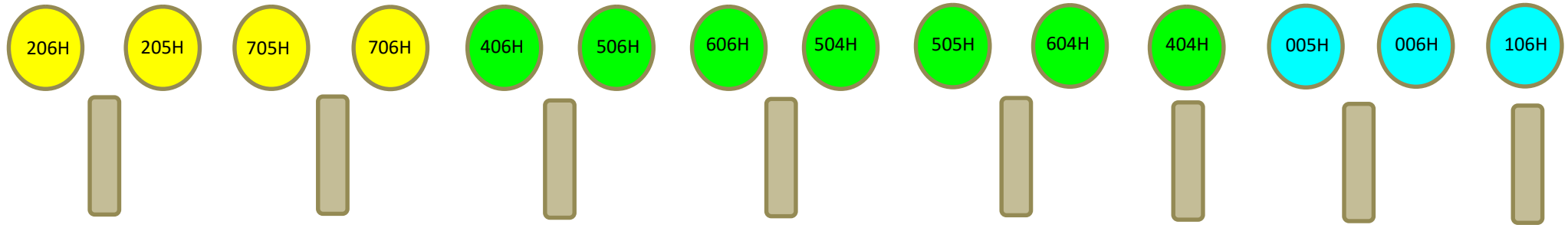
FMP #

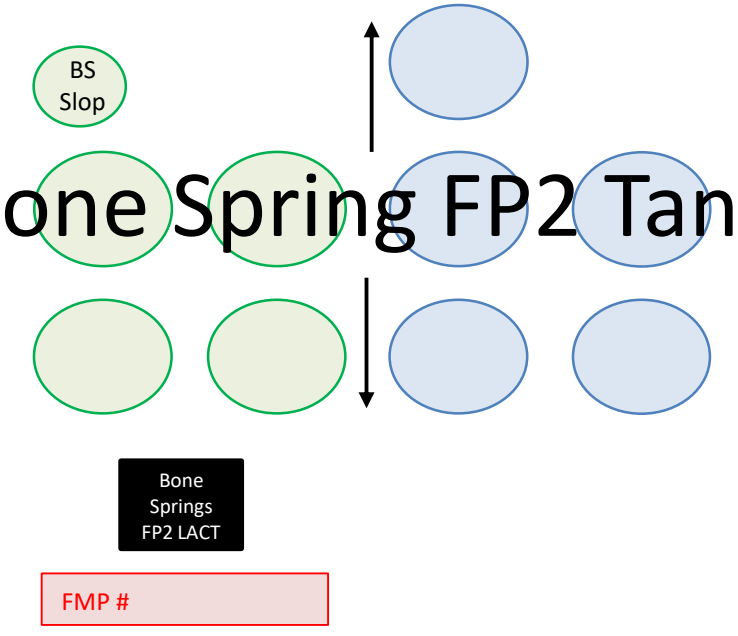
MPLX Bone Springs FP2 Sales

FMP #

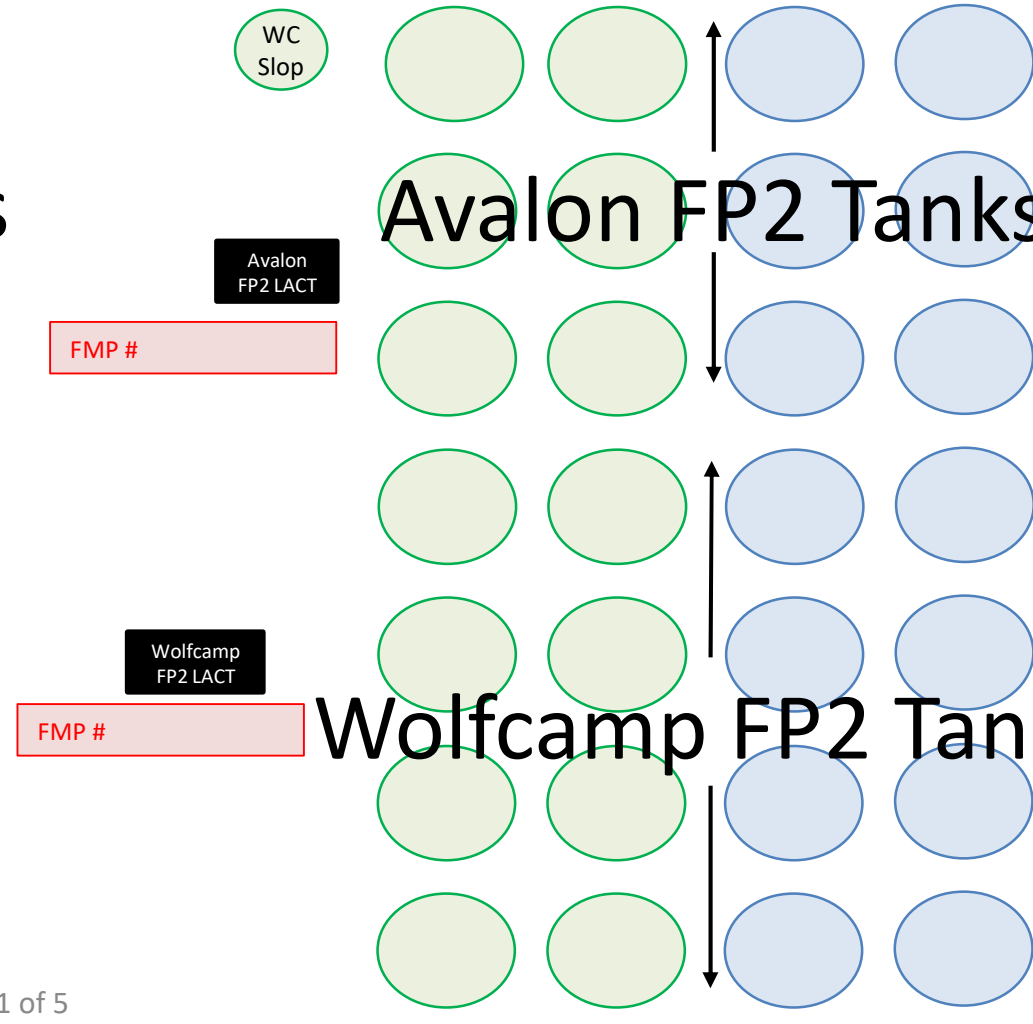
MPLX Avalon FP2 Sales

FMP #





Bone Spring FP2 Tanks



Avalon FP2 Tanks

Wolfcamp FP2 Tanks

RFOC Red Hills Facility Pad 2 – Avalon

Facility Operator/Owner Name: Kaiser-Francis Oil Company

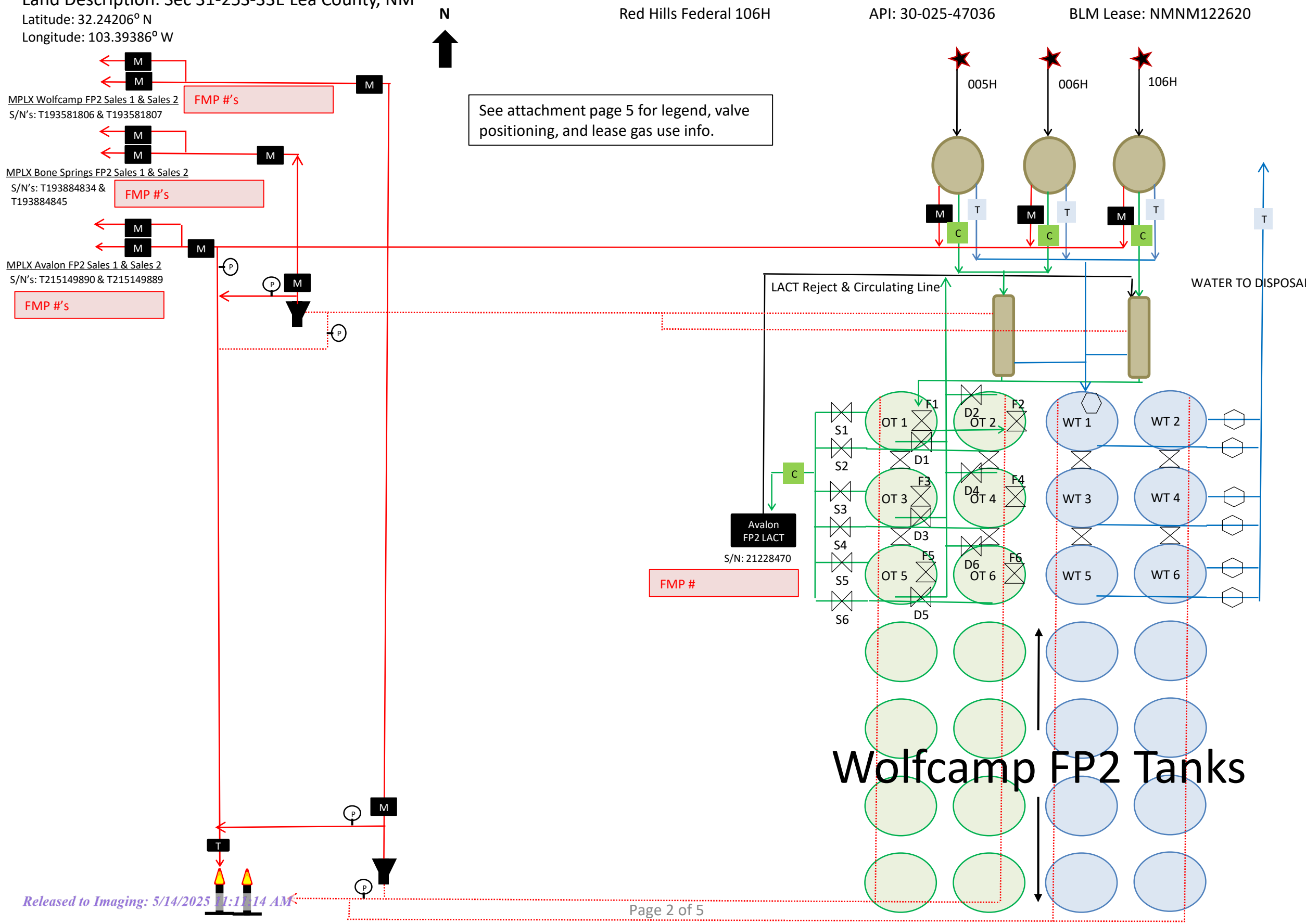
Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620



FP2 Avalon Gas Meter Breakdown

- **Avalon FP2 Sales 1 and Sales 2**
  - SN's T215149890 & T215149889 (Twin sales meter runs)
    - Red Hills 005H
    - Red Hills 006H
    - Red Hills 106H

KEOG Red Hills Facility Pad 2 – Wolfcamp

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

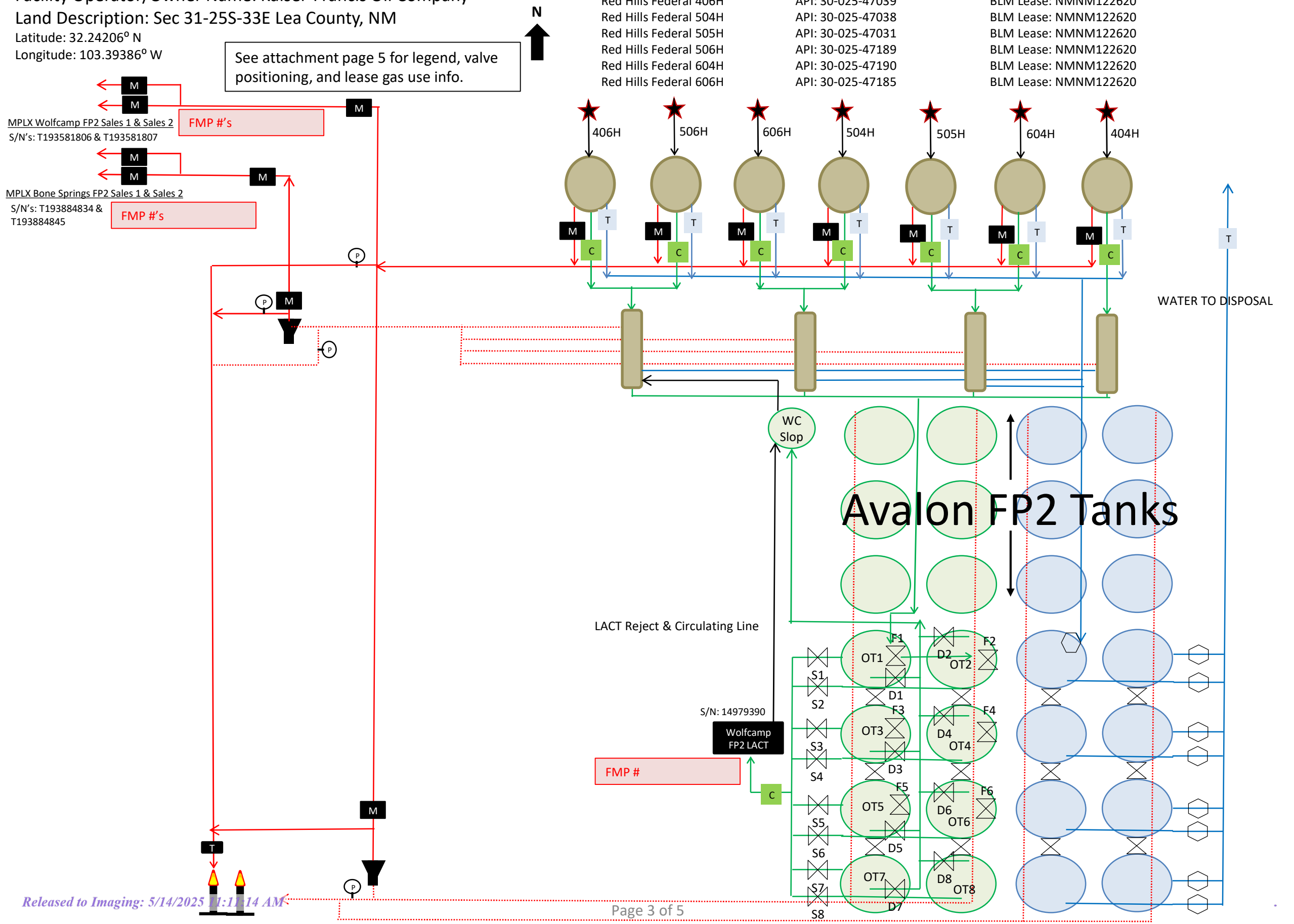
Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620

See attachment page 5 for legend, valve positioning, and lease gas use info.



FP2 Wolfcamp Gas Meter Breakdown

- **Wolfcamp FP2 Sales 1 and Sales 2**
  - SN's T193581806 & T193581807 (Twin sales meter runs)
    - Red Hills 404H
    - Red Hills 406H
    - Red Hills 504H
    - Red Hills 505H
    - Red Hills 506H
    - Red Hills 604H
    - Red Hills 606H
    - Combined Wolfcamp/Avalon FP2 Oil Tanks VRU gas

KFOC Red Hills Facility Pad 2 - Bone Springs

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

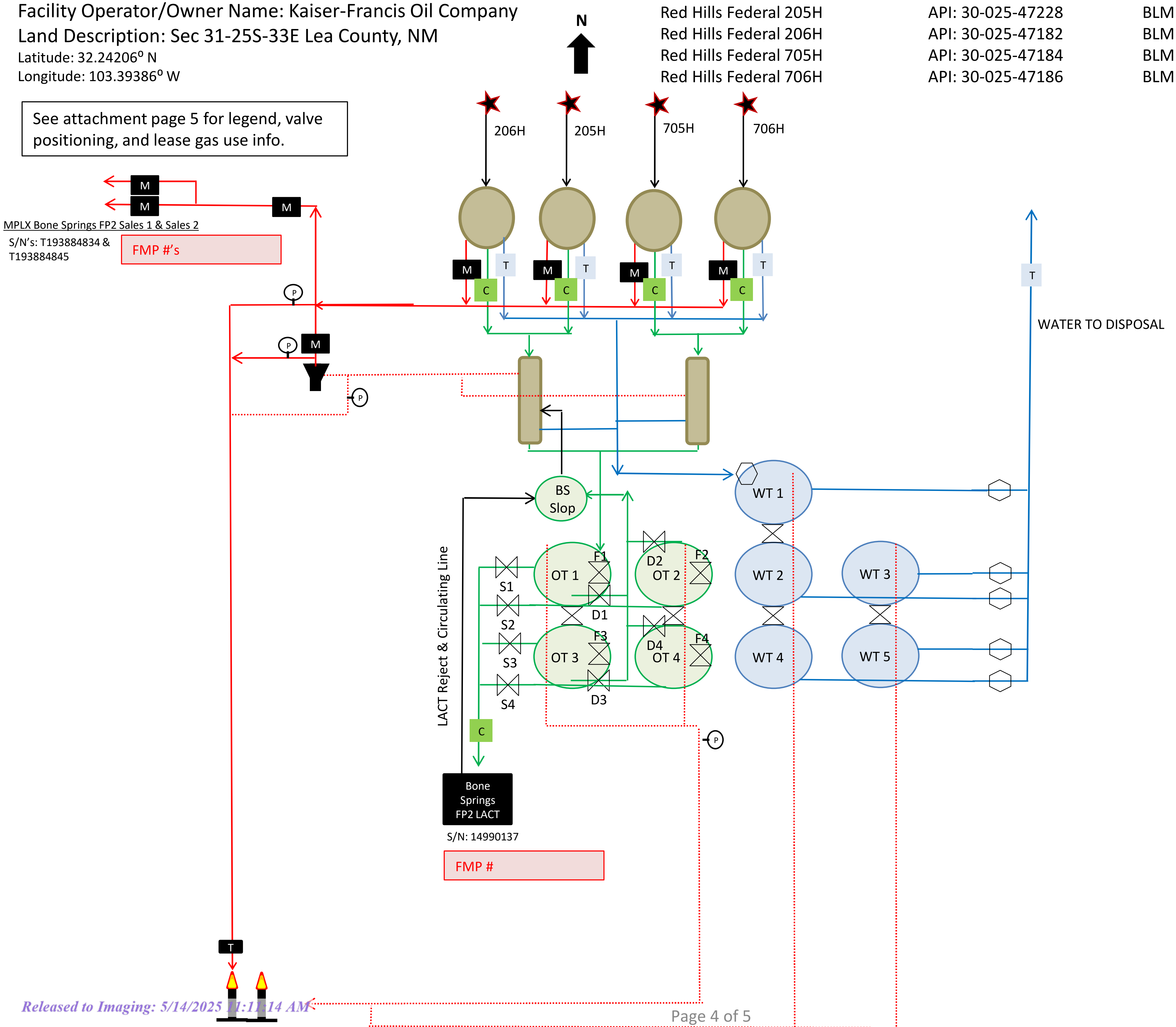
Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620

See attachment page 5 for legend, valve positioning, and lease gas use info.



FP2 Bone Springs Gas Meter Breakdown

- **Bone Springs FP2 Sales 1 and Sales 2**
  - SN's T193884834 & T193884845 (Twin sales meter runs)
    - Red Hills 205H
    - Red Hills 206H
    - Red Hills 705H
    - Red Hills 706H
    - Combined Wolfcamp/Avalon/Bone Springs FP2 Heater Treater VRU gas

KFOC Red Hills Facility Pad 2

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620
Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620
Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620

Diagram Legend

- Gas line
- Water line
- Oil line
- Vapor gas line
- M — Orifice plate gas meter
- T — Turbine meter
- C — Coriolis meter
- T — Thermal gas meter
- S — S1 – S8: sales valves
- D — D1 – D8: drain/circulating valves
- F — F1 – F8: fill valves

250psi 3 phase separator

Electric vapor recovery unit

Vertical heater treater

Flare with High and Low Pressure tip

Valve Positioning in the Production & LACT Sales Phase

Production into OT1 – OT8
F1 is open
Equalizers open
D1, D2, D3, D4, D5, D6, D7 & D8 are sealed closed
S1, S2, S3, S4, S5, S6, S7 & S8 are open

Valve Positioning in the Production & Drain/Circulating Phase

Ex: Production into OT1, OT2, OT3, OT4, OT5, OT6 & OT7 and drain from OT8
F1, F2, F3, F4, F5, F6 & F7 are open and F8 is sealed closed
Equalizers closed
D1, D2, D3, D4, D5, D6 & D7 are sealed closed and D8 is open
S1, S2, S3, S4, S5, S6, S7 & S8 are sealed closed

Lease Gas Use Calculations

DBI Flare Stack (Pilot Gas): 0.078 mcf/hr $\times$ $24hrs = 1.872\frac{Mcf}{d}$

Bird Flare Stack (Pilot Gas): 0.038 mcf/hr $\times$ $24hrs = 0.912\frac{Mcf}{d}$

(2) Heater Treaters (Bone Springs): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1313\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (2) = 18.3\frac{Mcf}{d}$

(4) Heater Treaters (Wolfcamp): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1320\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (4) = 36.4\frac{Mcf}{d}$

(2) Heater Treaters (Avalon): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1184\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (2) = 20.3\frac{Mcf}{d}$

* $1313, 1320$ & $1184\frac{btu}{}$ HV determined by gas analysis taken from FMP #xxxxxx on February 2023 gas volume statement.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
Serial Register Page
NMNM105419769

Run Date/Time: 11/6/2024 8:56 AM
Single Serial Number Report

Authority	**Total Acres**	**Serial Number**
02-25-1920; 041STAT0437; 30USC181, ET SEQ; MINERAL LEASING ACT OF 1920	**838.8000**	**NMNM105419769**
		Legacy Serial No
		NMNM 015321

Product Type: 311211 O&G SIMULTANEOUS PUBLIC DOMAIN LEASE
Commodity: Oil & Gas **Case File Jurisdiction:**
Case Disposition: AUTHORIZED **-** **03/14/1972**

CASE DETAILS

NMNM105419769

MLRS Case Ref	C-8008693				
Case Name					
Unit Agreement Name					
		Split Estate		Fed Min Interest	
Effective Date	04/01/1972	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	12.5%	Future Min Interest Date	
Land Type	Public Domain	Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number	SPAR61	Sale Date		Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual Production
		Total Bonus Amount	0.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS

NMNM105419769

Name & Mailing Address			Interest Relationship	Percent Interest
KAISER-FRANCIS OIL CO	6733 S YALE AVE	TULSA OK 74136-3302	OPERATING RIGHTS	0.000000
KAISER-FRANCIS OIL CO	6733 S YALE AVE	TULSA OK 74136-3302	LESSEE	100.000000
PIONEER EXPLORATION LTD	15603 KUYHENDAHL #219	HOUSTON TX 77090-3655	OPERATING RIGHTS	0.000000

RECORD TITLE

(No Records Found)

OPERATING RIGHTS

(No Records Found)

LAND RECORDS

NMNM105419769

Mer	Twp	Rng	Sec	Survey Type	Survey Number	Subdivision	District / Field Office	County	Mgmt Agency
23	0250S	0330E	031	Aliquot		E2SW,SESE	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	031	Lot		3,4	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0260S	0330E	006	Aliquot		E2,E2W2	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0260S	0330E	006	Lot		1,2,3,4	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

CASE ACTIONS

NMNM105419769

Action Date	Date Filed	Action Name	Action Status	Action Information
	08/26/2024	OVERRIDING ROYALTY	FILED	Payment Amount: 15 Case Action Status Date: 2024-08-26
12/27/1971	12/27/1971	CASE ESTABLISHED	APPROVED/ACCEPTED	Action Remarks: SPAR61;
12/28/1971	12/28/1971	DRAWING HELD	APPROVED/ACCEPTED	
03/14/1972	03/14/1972	LEASE ISSUED	APPROVED/ACCEPTED	
04/01/1972	04/01/1972	EFFECTIVE DATE	APPROVED/ACCEPTED	
04/01/1972	04/01/1972	FUND CODE	APPROVED/ACCEPTED	Action Remarks: 05;145003
04/01/1972	04/01/1972	RLTY RATE - 12 1/2%	APPROVED/ACCEPTED	
12/09/1975	12/09/1975	HELD BY PROD - ACTUAL	APPROVED/ACCEPTED	
04/07/1976	04/07/1976	NOTICE SENT-PROD STATUS	APPROVED/ACCEPTED	
11/01/1984	11/01/1984	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
Serial Register Page
NMNM105419769

Run Date/Time: 11/6/2024 8:56 AM
Single Serial Number Report

Action Date	Date Filed	Action Name	Action Status	Action Information
12/16/1985	12/16/1985	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
02/19/1986	02/19/1986	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: MESA/KAISER
03/03/1986	03/03/1986	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
03/18/1986	03/18/1986	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
04/28/1986	04/28/1986	ASGN APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/86;
05/13/1986	05/13/1986	CASE MICROFILMED/SCANNED	APPROVED/ACCEPTED	Action Remarks: CNUM 101,342 DS
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (1)EFF 12/01/84;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (4)EFF 04/01/86;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (3)EFF 04/01/86;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (2)EFF 01/01/85;
12/04/1987	12/04/1987	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: LONQUIST/DGQ PASSIVE
04/07/1988	04/07/1988	ASGN DENIED	APPROVED/ACCEPTED	Action Remarks: MEMORIAL/DGQ PASSIVE
07/08/1988	07/08/1988	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
07/18/1988	07/18/1988	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 08/01/88;
02/01/1989	02/01/1989	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
03/09/1989	03/09/1989	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/89;
04/02/1991	04/02/1991	BOND ACCEPTED	APPROVED/ACCEPTED	Action Remarks: EFF 03/18/91;NM1867
03/08/1995	03/08/1995	OVERRIDING ROYALTY	APPROVED/ACCEPTED	
06/26/1995	06/26/1995	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: JN E&P/KAISER-FRANCIS
08/17/1995	08/17/1995	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 07/01/95;
07/19/1996	07/19/1996	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: MEMORIAL/WEST TX GAS
10/18/1996	10/18/1996	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MV/MV
10/18/1996	10/18/1996	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 08/01/96;
02/05/2001	02/05/2001	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: JN EXPL/PIONEER EXPL
03/29/2001	03/29/2001	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MV/MV
03/29/2001	03/29/2001	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/01;
07/24/2003	07/24/2003	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: SHOGRIN, F L;1 Receipt Number: 717846
07/30/2003	07/30/2003	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: SHOGRIN, CAROLYN;1 Receipt Number: 720439
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 1890701
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 1890701
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 1890701
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 2026499
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 2026499
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 2026499
12/15/2016	12/15/2016	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3723686
01/03/2017	01/03/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3735608
02/03/2017	02/03/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3756851
04/13/2017	04/13/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3808053
05/04/2017	05/04/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3828908
05/04/2017	05/04/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3828908
07/12/2017	07/12/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3886424
07/12/2017	07/12/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3886424
09/14/2017	09/14/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3977369
09/14/2017	09/14/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3977369
11/28/2018	11/28/2018	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4318590
12/19/2018	12/19/2018	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4338548
04/16/2019	04/16/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4427380
06/24/2019	06/24/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4489788
10/17/2019	10/17/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4585934
10/31/2019	10/31/2019	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: WEST TEXA/KAISER-FR;1 Receipt Number: 4595570
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4691312
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 8

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02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 3
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 5
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 6
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 4
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 2
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 7
05/28/2020	05/28/2020	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: AMV
05/28/2020	05/28/2020	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 11/01/19;1
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785710
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 5 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 4 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 4884613
05/20/2021	05/20/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4906065
02/01/2022	02/01/2022	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 5010098
04/24/2023	04/24/2023	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Payment Amount: 15 Case Action Status Date: 2023-04-25

CASE TRANSACTIONS

Transaction Number	Transaction Date	Receipt Number	Transaction Status	Total Amount Received	Refund Date	Refund Amount
CT-44200			Payment Submitted			
CT-100405	8/26/2024	5375654	Payment Submitted	$15.00		

ASSOCIATED AGREEMENT OR LEASE (RECAPITULATION TABLE) INFO

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Agreement Serial Number	Agreement Legacy Serial Number	Case Disposition	Product Name	Tract No	Commitment Status	Commitment Status Effective Date	Acres	Allocation Percent
NMNM105780581		PENDING		02			40.0000	12.500000
NMNM105780581		PENDING		03			160.0000	50.000000
NMNM105780582		PENDING		02			40.0000	6.250000
NMNM105780582		PENDING		03			320.0000	50.000000
NMNM105785709		PENDING		02			40.0000	6.250000
NMNM105785709		PENDING		03			320.0000	50.000000
NMNM105785710		PENDING		01			318.6800	49.871674
NMNM105785710		PENDING		02			160.1200	25.057903
NMNM105785711		PENDING		02			160.0000	50.000000

ASSOCIATED BONDS

NMNM105419769

MLRS Case Number	Bond Serial Number	Legacy Serial Number	Bond Product	Bond Case Disposition	Bond Amount
C-8334676	NMB105671957	NM1867	BOND - O&G ALL LANDS	CLOSED	$150,000.00

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LEGACY CASE REMARKS

NMNM105419769

Legacy Case Remarks includes remarks made for the case in LR2000 up until March 14, 2022. These Case Remarks will no longer be updated in MLRS. This section of the SRP is obsolete. Please reference the MLRS website for more information and refer to the Case Actions section - Action Information on this report for similar data.

Line Number	Remark Text
0002	03/29/2001 BONDED OPERATOR
0003	KAISER FRANCIS OIL NM1867/NW
0004	05/28/2020 - KAISER FRANCIS OIL CO NMB001686 S/W NM

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Authority	**Total Acres**	**Serial Number**
01-12-1983; 096STAT2447; 30USC188; FED O&G ROYALTY MGT ACT-1982, TITLE IV.	**440.2000**	**NMNM105678968**
		Legacy Serial No
		NMNM 122620

Product Type: 312021 O&G COMPETITIVE PUBLIC DOMAIN LEASE POST 1987
Commodity: Oil & Gas **Case File Jurisdiction:**
Case Disposition: AUTHORIZED **-** **05/29/2009**

CASE DETAILS

NMNM105678968

MLRS Case Ref	C-8259313				
Case Name					
Unit Agreement Name					
		Split Estate		Fed Min Interest	
Effective Date	06/01/2009	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	12.5%	Future Min Interest Date	
Land Type	Public Domain	Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number	200904031	Sale Date	04/22/2009	Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual Production
		Total Bonus Amount	99,225.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS

NMNM105678968

Name & Mailing Address			Interest Relationship	Percent Interest
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 79701	LESSEE	95.000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE	MIDLAND TX 79701-4882	LESSEE	5.000000

RECORD TITLE

(No Records Found)

OPERATING RIGHTS

(No Records Found)

LAND RECORDS

NMNM105678968

Mer	Twp	Rng	Sec	Survey Type	Survey Number	Subdivision	District / Field Office	County	Mgmt Agency
23	0250S	0330E	031	Aliquot		NE,E2NW,NESE, W2SE	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	031	Lot		1-2	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

CASE ACTIONS

NMNM105678968

Action Date	Date Filed	Action Name	Action Status	Action Information
02/26/2009	02/26/2009	CASE ESTABLISHED	APPROVED/ACCEPTED	Action Remarks: 200904031;
04/07/2009	04/07/2009	PROTEST FILED	APPROVED/ACCEPTED	Action Remarks: W ENVR LAW CENTER
04/22/2009	04/22/2009	BID RECEIVED	APPROVED/ACCEPTED	Action Remarks: $99225.00;
04/22/2009	04/22/2009	SALE HELD	APPROVED/ACCEPTED	
05/08/2009	05/08/2009	PROTEST DISMISSED	APPROVED/ACCEPTED	Action Remarks: W ENVR LAW CENTER
05/29/2009	05/29/2009	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MJD
05/29/2009	05/29/2009	LEASE ISSUED	APPROVED/ACCEPTED	
06/01/2009	06/01/2009	EFFECTIVE DATE	APPROVED/ACCEPTED	
06/01/2009	06/01/2009	FUND CODE	APPROVED/ACCEPTED	Action Remarks: 05;145003
06/01/2009	06/01/2009	RLTY RATE - 12 1/2%	APPROVED/ACCEPTED	
04/18/2011	04/18/2011	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: MARBOB EN/COG OPERA;1 Receipt Number: 2328878
08/11/2011	08/11/2011	ASGN APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 05/01/2011;
08/11/2011	08/11/2011	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: JS
03/23/2013	03/23/2013	HELD BY PROD - ACTUAL	APPROVED/ACCEPTED	Action Remarks: /1/
03/23/2013	03/23/2013	PRODUCTION DETERMINATION	APPROVED/ACCEPTED	Action Remarks: /1/#2H;

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Action Date	Date Filed	Action Name	Action Status	Action Information
04/09/2014	04/09/2014	PRODUCTION DETERMINATION	APPROVED/ACCEPTED	Action Remarks: /1/
04/06/2020	04/06/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4723020
04/29/2020	04/29/2020	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: COG OPERA/KAISER-FR;1 Receipt Number: 4729492
09/17/2020	09/17/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4805808
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785710
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
04/04/2021	04/04/2021	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: DGO
04/04/2021	04/04/2021	TRF OPER RGTS DENIED	APPROVED/ACCEPTED	Action Remarks: TRANSFERS WELLBORES

ASSOCIATED AGREEMENT OR LEASE (RECAPITULATION TABLE) INFO

NMNM105678968

Agreement Serial Number	Agreement Legacy Serial Number	Case Disposition	Product Name	Tract No	Commitment Status	Commitment Status Effective Date	Acres	Allocation Percent
NMNM105780581		PENDING		01			120.0000	37.500000
NMNM105780582		PENDING		01			280.0000	43.750000
NMNM105785709		PENDING		01			280.0000	43.750000
NMNM105785710		PENDING		03			160.2000	25.070423
NMNM105785711		PENDING		01			160.0000	50.000000

LEGACY CASE REMARKS

NMNM105678968

Legacy Case Remarks includes remarks made for the case in LR2000 up until March 14, 2022. These Case Remarks will no longer be updated in MLRS. This section of the SRP is obsolete. Please reference the MLRS website for more information and refer to the Case Actions section - Action Information on this report for similar data.

Line Number	Remark Text
0002	STIPULATIONS ATTACHED TO LEASE:
0003	NM-11-LN SPECIAL CULTURAL RESOURCE
0004	PER ONRR RENTA PAID THRU 06/1/11
0005	04/05/2021 OR TRANSFER DENIED TRANSFERRING WELLBORES

Federal Communitization Agreement

Contract No. NMNM 105785709

THIS AGREEMENT entered into as of the 1st day of December, 2020, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

   E/2 of Section 31 T. 25S, R. 33E, and E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

   Containing 640 acres, and this agreement shall include only the Lower Bone Spring Formation underlying said lands and the natural gas and associated liquid hydrocarbons hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be Kaiser-Francis Oil Company, PO Box 21468, Tulsa, OK, 74121-1468. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

   All proceeds, 8/8ths, attributed to unleased Federal lands included within the CA area are to be paid into the appropriate Unleased Lands Account by the designated operator until the land is leased or ownership is established.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.

7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.

9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is December 1, 2020, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the

grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.

12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.

13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

KAISER-FRANCIS OIL COMPANY
Operator/Lessee

Thomas R. Redman

BY: Thomas R. Redman
TITLE: Executive Vice-President & COO

EXHIBIT "A"

Plat of communitized area covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Well Name/No.

Red Hills Federal 205H API#- 30-025-47228
Red Hills Federal 206H API#- 30-025-47182
Red Hills Federal 705H API#- 30-025-47184
Red Hills Federal 706H API#- 30-025-47186

Township 25 South, Range 33 East
Section 31: E/2

Township 26 South, Range 33 East
Section 6: E/2

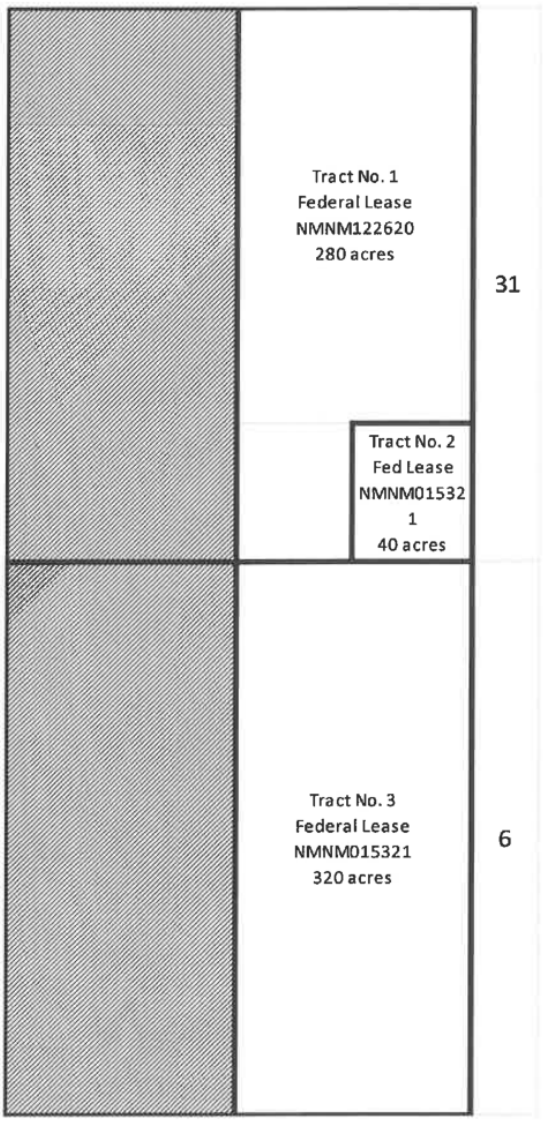

EXHIBIT "B"

To Communitization Agreement Dated December 1, 2020 covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Operator of Communitized Area: Kaiser-Francis Oil Company

DESCRIPTION OF LEASES COMMITTED:

Tract No. 1

Lease Serial No:	NMNM 122620
Lease Date:	May 29, 2009, but effective June 1, 2009
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Marbob Energy Corporation
Present Lessee:	COG Operating LLC Concho Oil & Gas LLC
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: NE/4, NE/4 SE/4, W/2 SE/4
Number of Acres:	280.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	Nestegg Energy Corporation Mongoose Minerals, LLC
Name WI Owners:	COG Operating, LLC Concho Oil & Gas, LLC

Tract No. 2

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: SE/4 SE/4
Number of Acres:	40.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes

Bourke C. Harvey
BPL Fish Pond, LLC
Brook B. Roberts
Cargoil & Gas Co., LLC
E.M. Farha
E.M. Thompson Corporation Profit Sharing Plan
Elizabeth Ann Cline
Elizabeth Trudeau Overly
Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Operating, LLC
Federal Deposit Insurance Corporation, as bank liquidator for the First National Bank of Midland
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
George M. O'Brien
J. Michael Feagan
J. Noel Sikes
J.C. Shaw
Jack W. Young
James H. Essman
James R. Dellinger, Jr.
Joe Feagan
JST Troschinetz Corporation Profit Sharing Plan
JSTM Properties, Ltd.
Kaiser-Francis Charitable Income Trust Q
KanTech Properties, LLC
Lani Investments, LLC
Llano Natural Resources, LLC
Lloyd Scott Piercy
Matthew David Oakes
McMullen Minerals, LLC
Merih Energy, LLC
Millis Jeffrey Oakes
Milton R. Fry
Momentum Minerals Operating, LP
Montego Capital Fund 3, Ltd.
Octavia H. Liefeste
Pamela Renee Doggett
Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC

	Pony Oil Operating, LLC Richard Oldham Shogoil and Gas Co. II, LLC Speyside Resources, LLC Stephen William Oakes Sue Armstrong Suncrest Resources, LLC TD Minerals, LLC The Holman M.C. Harvey Trust U/W William Y Harvey, Sr. Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke, dated November 19, 2004 Warlauf, LP Williams Y. Harvey, Jr. Wing Resources III, LLC YMC Royalty Company, L.P.
Name WI Owners:	Atlas OBO Energy, LP Kaiser-Francis Oil Company

Tract No. 3

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T26S, R33E, N.M.P.M.** Section 6: E/2
Number of Acres:	320.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes Bourke C. Harvey BPL Fish Pond, LLC Brook B. Roberts Cargoil & Gas Co., LLC E.M. Farha E.M. Thompson Corporation Profit Sharing Plan Elizabeth Ann Cline Elizabeth Trudeau Overly

Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Partners, LLC
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
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Pony Oil Operating, LLC
Richard Oldham
Shogoil and Gas Co. II, LLC
Speyside Resources, LLC
Stephen William Oakes
Sue Armstrong
Suncrest Resources, LLC
TD Minerals, LLC
The Holman M.C. Harvey Trust U/W William Y Harvey, Sr.
Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke,

dated November 19, 2004
Warlauf, LP
Williams Y. Harvey, Jr.
Wing Resources III, LLC
Name WI Owners: Kaiser-Francis Oil Company

RECAPITUALATION

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	280.00	43.750000%
2	40.00	6.250000%
3	320.00	50.000000%
TOTAL	**640.00**	**100.000000%**

Federal Communitization Agreement

Contract No. NMNM 105780582

THIS AGREEMENT entered into as of the 1st day of December, 2020, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

   E/2 of Section 31 T. 25S, R. 33E, and E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

   Containing 640 acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the natural gas and associated liquid hydrocarbons hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be Kaiser-Francis Oil Company, PO Box 21468, Tulsa, OK, 74121-1468. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

   All proceeds, 8/8ths, attributed to unleased Federal lands included within the CA area are to be paid into the appropriate Unleased Lands Account by the designated operator until the land is leased or ownership is established.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.

7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.

9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is December 1, 2020, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the

grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.

12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.

13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

KAISER-FRANCIS OIL COMPANY
Operator/Lessee

Thomas R. Redman

BY: Thomas R. Redman
TITLE: Executive Vice-President & COO

EXHIBIT "A"

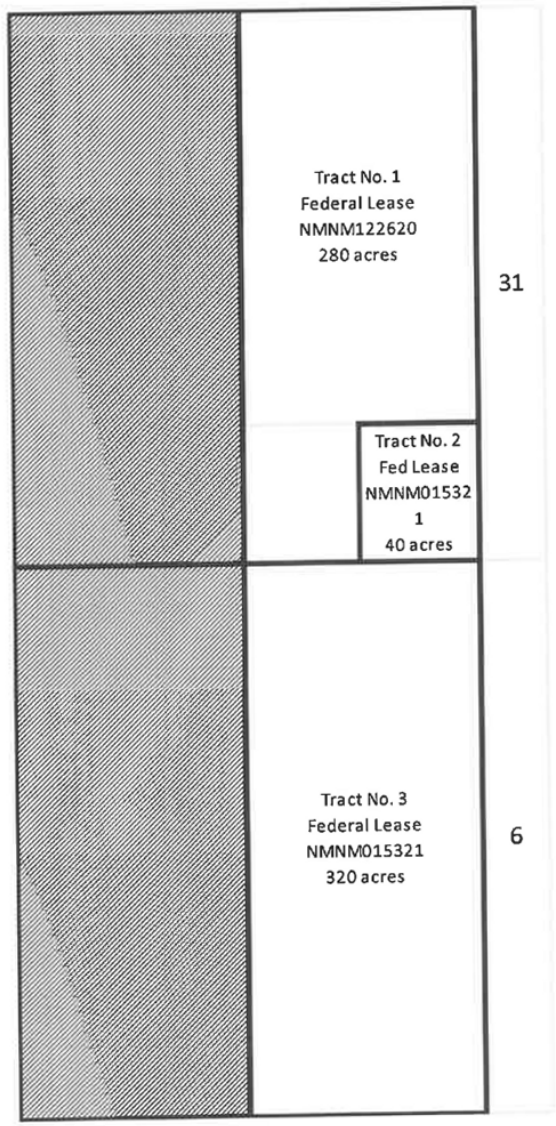
Plat of communitized area covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Well Name/No.

Red Hills Federal 404H API#- 30-025-47037
Red Hills Federal 406H API#- 30-025-47039
Red Hills Federal 504H API#- 30-025-47038
Red Hills Federal 505H API#- 30-025-47031
Red Hills Federal 506H API#- 30-025-47189
Red Hills Federal 604H API#- 30-025-47190
Red Hills Federal 606H API#- 30-025-47185

Township 25 South, Range 33 East
Section 31: E/2

Township 26 South, Range 33 East
Section 6: E/2



Communitization Agreement
404H, 406H, 504H, 505H, 506H, 604H, 606H

EXHIBIT "B"

To Communitization Agreement Dated December 1, 2020 covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Operator of Communitized Area: Kaiser-Francis Oil Company

DESCRIPTION OF LEASES COMMITTED:

Tract No. 1

Lease Serial No:	NMNM 122620
Lease Date:	May 29, 2009, but effective June 1, 2009
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Marbob Energy Corporation
Present Lessee:	COG Operating LLC Concho Oil & Gas LLC
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: NE/4, NE/4 SE/4, W/2 SE/4
Number of Acres:	280.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	Nestegg Energy Corporation Mongoose Minerals, LLC
Name WI Owners:	COG Operating, LLC Concho Oil & Gas, LLC

Tract No. 2

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: SE/4 SE/4
Number of Acres:	40 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes

Bourke C. Harvey
BPL Fish Pond, LLC
Brook B. Roberts
Cargoil & Gas Co., LLC
E.M. Farha
E.M. Thompson Corporation Profit Sharing Plan
Elizabeth Ann Cline
Elizabeth Trudeau Overly
Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Operating, LLC
Federal Deposit Insurance Corporation, as bank liquidator for the First National Bank of Midland
Fortis Minerals II, LLC
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Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC

	Pony Oil Operating, LLC Richard Oldham Shogoil and Gas Co. II, LLC Speyside Resources, LLC Stephen William Oakes Sue Armstrong Suncrest Resources, LLC TD Minerals, LLC The Holman M.C. Harvey Trust U/W William Y Harvey, Sr. Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke, dated November 19, 2004 Warlauf, LP Williams Y. Harvey, Jr. Wing Resources III, LLC YMC Royalty Company, L.P.
Name WI Owners:	Atlas OBO Energy, LP Kaiser-Francis Oil Company

Tract No. 3

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T26S, R33E, N.M.P.M.** Section 6: E/2
Number of Acres:	320 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes Bourke C. Harvey BPL Fish Pond, LLC Brook B. Roberts Cargoil & Gas Co., LLC E.M. Farha E.M. Thompson Corporation Profit Sharing Plan Elizabeth Ann Cline Elizabeth Trudeau Overly

Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
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Speyside Resources, LLC
Stephen William Oakes
Sue Armstrong
Suncrest Resources, LLC
TD Minerals, LLC
The Holman M.C. Harvey Trust U/W William Y Harvey, Sr.
Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke,

dated November 19, 2004
Warlauf, LP
Williams Y. Harvey, Jr.
Wing Resources III, LLC
Name WI Owners: Kaiser-Francis Oil Company

RECAPITUALATION

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	280	43.750000%
2	40	6.250000%
3	320	50.000000%
TOTAL	**640.00**	**100.000000%**

Red Hills Facility Pad 2 – Prorated Allocation

GAS ALLOCATION

Each well has a Wellhead (WH) meter and a Gas Lift (GL) meter. The CTB has (6) Sales Meters that measure the volume of gas that leaves the CTB, 2 twin meters apiece on the Avalon side, Bone Springs side and Wolfcamp side of the CTB. These Sales meters (CTB Sales) are considered FMPs. This CTB has 2 different drilling pads that feed into it: Drilling Pad 7 which has (10) wellheads and Drilling Pad 8 which has (4) wellheads. There are (2) INJ meters that measure gas coming back to the pads from the discharge of the centralized compressor station, 1 apiece for each of drilling pads 7 and 8. These INJ meters are considered FMPs.

1. Net CTB Gas is the volume of lease gas produced/sold from the CTB. Net CTB Gas is calculated by subtracting HPGL INJ & VRU volume from the CTB Sales.
2. Each well's theoretical gas production is calculated by subtracting the well's GL meter volume from the WH meter volume.
3. Each well's gas production allocation percentage is calculated by dividing the well's theoretical gas production by the sum of all well theoretical gas production volumes.
4. Well Net CTB Gas is calculated by multiplying each well's gas production allocation percentage by Net CTB Gas volume.
5. HP flare volume for each well is calculated by multiplying each well's gas production allocation percentage by the HP flare meter volume.
6. VRU Meter measures the gas recovered from the oil tanks and heater treaters. Well VRU volume is determined by oil production. Each well's oil production allocation percentage is multiplied by the VRU meter to determine the well VRU volume.
7. Total Net FMP Gas Volume is the total volume sold from the CTB to the gathering line. Total Net FMP Gas is calculated by adding VRU volume and Net CTB Gas.
8. Total Allocated Gas Production for each well is calculated by adding the Net CTB Gas, HP flare, Lease Use, and VRU volume

OIL ALLOCATION

Each well has an oil meter measuring the volume of oil produced by the well. The volume measured by a well's oil meter is used to allocate the total production and the total sales (FMP) back to each well.

1. Allocated CTB Production is the volume of oil produced by the CTB and is calculated by subtracting the beginning inventory from the sum of the ending tank inventory and the pipeline LACT volume.
2. Theoretical Oil Production % is calculated by dividing each oil meter volume into the sum of oil meters.
3. Allocated Production is calculated by multiplying Theoretical Oil Production % by Allocated CTB Production

4. Total Allocated Oil Sales are calculated using the first-in, first-out (FIFO) method. The beginning inventory is the previous accounting period's Ending Tank Inventory.
5. The first step to calculating a well's Total Allocated Oil Sales is to calculate the Theoretical Beginning Tank Inventory % for each well by dividing the well's Beginning Tank Inventory by the total CTB Beginning Tank Inventory.
6. If the Oil Sales (FMP) volume is less than or equal to the CTB Beginning Tank Inventory, multiply the Theoretical Beginning Tank Inventory % by the Oil Sales (FMP) volume to get the Beginning Tank Inventory Sales volume.
7. If the Oil Sales (FMP) volume is greater than the CTB Beginning Tank Inventory, the New Inventory Oil Sales is calculated by multiplying the difference between the Oil Sales and Beginning Tank Inventory Sales by the Theoretical Oil Production %.
8. Total Allocated Oil Sales is the sum of Beginning Tank Inventory Sales and New Inventory Oil Inventory Sales.

WATER ALLOCATION

Each well has a water meter that measures the volume of water produced by the well. The volume measured by a well's water meter is used to allocate the total production and total disposed volume back to each well.

1. Allocated CTB Water Production is the volume of water produced by the CTB and is calculated by subtracting the beginning inventory from the sum of the ending tank inventory and the Water Transfer Meter (Disposal Volume).
2. Theoretical Water Production % is calculated by dividing each well's water meter volume by the sum of the water meters.
3. Allocated Water Production is calculated by multiplying Theoretical Water Production % by Allocated CTB Water Production.
4. Disposed Water Volume is calculated using the first-in, first-out (FIFO) method. The beginning inventory is the previous accounting period's Ending Tank Inventory.
5. The first step to calculating a well's Total Disposed Water Volume is to calculate the Theoretical Beginning Tank Inventory % for each well by dividing the well's Beginning Tank Inventory by the total CTB Beginning Tank Inventory.
6. If the Water Transfer Meter (Disposal) volume is less than or equal to the CTB Beginning Tank Inventory, multiply the Theoretical Beginning Tank Inventory % by the Water Transfer Meter volume to get the Beginning Tank Inventory Disposal volume.
7. If the Water Transfer Meter volume is greater than CTB Beginning Tank Inventory, the New Water Inventory Disposal is calculated by multiplying the difference between the Water Transfer Meter Volume and Beginning Tank Inventory Sales by Theoretical Water Production %.
8. Total Disposed Water Volume is the sum of Beginning Tank Inventory Disposal and New Inventory Disposal Volume.

EXAMPLE OF PROPOSED GAS ALLOCATION

Meter Name	ID	Reading/Calc
CTB Sales (FMP)	T193581806	29,309.50
	T193581807	
	T193884834	
	T193884845	
	T215149890	
	T215149889	
HPGL INJ (FMP)	T200400068	5,947.77
	T200399497	
HP Flare Meter	F09027	20.00
VRU (tanks)	T213843349	42.98
VRU (heater)	T213843352	33.22
Lease Use		80.52
Net CTB Gas		23,285.53
Allocated Production		23,462.25
Total Net FMP Gas		23,361.73

Well Name	Lease # NMNM	WH Meter ID	WH Meter Volume	GL Meter ID	GL Meter Volume	Theo Gas Production	Hours On	Production Allocation %	Net CTB Gas	HP Flare	Lease Use	VRU	Allocated Production	Total Net FMP Gas
Red Hills Federal 205H	NMNM122620	T202610595	1,471.60	T211224891	492.66	978.94	24	4.13%	962.42	0.83	5.751	4.29	973.29	966.71
Red Hills Federal 206H	NMNM122620	T202610606	1,171.90	T211224899	576.20	595.70	24	2.52%	585.65	0.50	5.751	4.29	596.19	589.93
Red Hills Federal 705H	NMNM122620	T213239138	2,538.13	T214948576	0.00	2,538.13	24	10.72%	2,495.29	2.14	5.751	4.33	2,507.52	2,499.62
Red Hills Federal 706H	NMNM122620	T214246097	2,571.90	T214948570	0.00	2,571.90	24	10.86%	2,528.49	2.17	5.751	4.98	2,541.39	2,533.47
Red Hills Federal 404H	NMNM122620	T202610593	1,495.98	T201004104	716.45	779.53	24	3.29%	766.37	0.66	5.751	4.74	777.53	771.12
Red Hills Federal 406H	NMNM122620	T202610598	1,270.65	T211224925	767.68	502.97	24	2.12%	494.48	0.42	5.751	4.30	504.96	498.78
Red Hills Federal 504H	NMNM122620	T202610592	1,860.81	T213742665	748.29	1,112.52	24	4.70%	1,093.74	0.94	5.751	6.15	1,106.58	1,099.89
Red Hills Federal 505H	NMNM122620	T202610601	1,417.74	T213742661	705.60	712.14	24	3.01%	700.12	0.60	5.751	4.59	711.07	704.71
Red Hills Federal 506H	NMNM122620	T202610591	1,482.96	T213742664	668.29	814.67	24	3.44%	800.92	0.69	5.751	5.63	812.99	806.55
Red Hills Federal 604H	NMNM122620	T202610589	1,699.00	T213742663	312.82	1,386.18	24	5.85%	1,362.78	1.17	5.751	5.70	1,375.41	1,368.49
Red Hills Federal 606H	NMNM122620	T202610600	1,623.60	T201004106	710.66	912.94	24	3.85%	897.53	0.77	5.751	5.08	909.13	902.61
Red Hills Federal 005H	NMNM122620	T211023258	4,168.78	T214948546	0.00	4,168.78	24	17.60%	4,098.42	3.52	5.751	6.58	4,114.27	4,105.00
Red Hills Federal 006H	NMNM122620	T214246094	3,304.28	T214948582	0.00	3,304.28	24	13.95%	3,248.51	2.79	5.751	9.45	3,266.50	3,257.96
Red Hills Federal 106H	NMNM122620	T214245612	3,306.61	T214948553	0.00	3,306.61	24	13.96%	3,250.80	2.79	5.751	6.09	3,265.44	3,256.89
Total			29,383.94		5,698.65	23,685.29	336	100.00%	23,285.53	20.00	80.520	76.20	23,462.25	23,361.73

ID	IDENTIFICATION	Unique number assinged to each meter used to measure gas.
WH METER	WELLHEAD	Measures the volume of gas that leaves a well's separator.
GL METER	GAS LIFT	Measures the volume of gas that is injected into a well for gas lift.
Theo Gas Production		Formula to calculate the volume of native gas produced from the well. (WH-GL)
Hours On		Number of hours the well produced, used to allocate Lease Use gas.
Net CTB Gas		Formula to calculate the volume of gas for royalty purposes. HPGL INJ Gas is subtracted from the CTB Sales FMP.
HPGL INJ (FMP)	Multiple Meters	Meters that measure the volume of gas-lift gas that comes back to the wells for gas lift injection via centralized field compression.
CTB Sales (FMP)	Multiple Meters	Meters that measures the volume of gas that leaves the CTB.
HP Flare	HIGH PRESSURE FLARE	Measures the high pressure flare from the CTB
CTB	CENTRAL TANK BATTERY	A group of wells producing into shared FMPs.
VRU	VAPOR RECOVERY UNIT	Measures gas vapors recovered from oil tanks and heaters. Allocated based on oil production
Allocated Production		Total gas produced from the CTB. Calculated by Net CTB Gas + HP Flare + Lease Use + VRU
Total Net FMP Gas		Total gas sold from CTB. Calculated by Net CTB Gas + VRU
Lease Use		Gas that is used to operate CTB equipment (heaters, pilot).

EXAMPLE OF PROPOSED OIL ALLOCATION

Pipeline LACT (FMP)	2,518.00
Beginning Oil Inventory	1,333.23
Ending Oil Inventory	1,260.22
CTB Oil Production	2,444.99

Well Name	Oil Meter	Oil Production %	Allocated Prod	BEG Inv	% Of Beginning Inventory	BEG Tank Inv Sales	New Inv Oil Sales	Total Allocated Sales	END Inv
Red Hills Federal 205H	140.85	5.63%	137.77	80.74	6.06%	80.74	66.76	147.50	71.01
Red Hills Federal 206H	140.60	5.62%	137.52	80.39	6.03%	80.39	66.64	147.03	70.88
Red Hills Federal 705H	142.00	5.68%	138.89	76.75	5.76%	76.75	67.30	144.05	71.59
Red Hills Federal 706H	163.24	6.53%	159.66	92.88	6.97%	92.88	77.37	170.25	82.30
Red Hills Federal 404H	155.59	6.22%	152.18	51.00	3.83%	51.00	73.74	124.74	78.44
Red Hills Federal 406H	141.15	5.65%	138.06	56.56	4.24%	56.56	66.90	123.46	71.16
Red Hills Federal 504H	201.72	8.07%	197.30	76.35	5.73%	76.35	95.61	171.96	101.70
Red Hills Federal 505H	150.65	6.03%	147.35	53.08	3.98%	53.08	71.40	124.48	75.95
Red Hills Federal 506H	184.68	7.39%	180.64	70.69	5.30%	70.69	87.53	158.22	93.10
Red Hills Federal 604H	187.09	7.48%	182.99	69.60	5.22%	69.60	88.67	158.27	94.32
Red Hills Federal 606H	166.59	6.66%	162.94	62.62	4.70%	62.62	78.96	141.58	83.98
Red Hills Federal 005H	215.88	8.64%	211.15	155.70	11.68%	155.70	102.32	258.02	108.83
Red Hills Federal 006H	309.86	12.40%	303.07	257.30	19.30%	257.30	146.86	404.16	156.21
Red Hills Federal 106H	199.84	7.99%	195.46	149.57	11.22%	149.57	94.72	244.29	100.75
Total	2,499.74	100%	2,444.99	1,333.23	1.00	1333.23	1184.77	2518	1260.22

Oil Meter	Measures the volume of oil that leaves a well's separator.
Oil Production %	Theoretical Oil Production %, calculated by dividing the Oil Meter volume by the sum of all Oil Meter volumes.
Allocated Production	Calculated by multiplying the Oil Production % by the CTB Oil Production
CTB Production	Calculation to determine the volume produced by the CTB during accounting period. (Ending Inventory - Beginning Inventory + Oil Sales)
% of Beginning Inventory	Calculated by dividing a well's Beginning Tank Inventory by the CTB Beginning Tank Inventory.
Beginning Tank Inventory Sales	If the Oil Sales (FMP) volume is less than or equal to the CTB Beginning Tank Inventory, multiply % of Beginning Tank Inventory by the Oil Sales (FMP) volume to get the Beginning Tank Inventory Sales volume.
New Inventory Oil Sales	If Oil Sales (FMP) volume exceeds CTB Beginning Tank Inventory, New Inventory Oil Sales is calculated by multiplying the difference between Oil Sales and Beginning Tank Inventory Sales by Oil Production %.
Oil Sales	Volume measured by the Pipeline LACT (FMP), which is sold to purchaser
Total Allocated Sales	The total Oil Sales measured by the Pipeline LACT (FMP) which is allocated to each well by summing Beginning Tank Inventory Sales and New Inventory Oil Sales.
Beginning Tank Inventory	Inventory from previous accounting period's calculated Ending Inventory. If CTB is new, Beginning Inventory is zero.
Ending Tank Inventory	Calculated Inventory based on Allocated production, Total Allocated Sales, and Beginning Tank Inventory, (Beginning Tank Inventory - Total Allocated Sales + Allocated Production)

EXAMPLE OF PROPOSED WATER ALLOCATION

Water Transfer Meter	7,967.00
Beginning Water Inventory	3,697.24
Ending Water Inventory	3,501.24
CTB Production	7,771.00

Well Name	Water Meter	Water Production %	Allocated Prod	BEG Inv	% Of Beginning Inventory	BEG Tank Inv Disposal	New Water Inv Disposal	Total Disposal	END Inv
Red Hills Federal 205H	225.00	2.82%	218.97	74.48	2.01%	74.48	120.31	194.79	98.66
Red Hills Federal 206H	246.00	3.08%	239.41	81.01	2.19%	81.01	131.54	212.55	107.87
Red Hills Federal 705H	530.00	6.64%	515.80	167.50	4.53%	167.50	283.40	450.90	232.39
Red Hills Federal 706H	589.00	7.38%	573.21	192.53	5.21%	192.53	314.95	507.48	258.26
Red Hills Federal 404H	705.00	8.83%	686.11	430.85	11.65%	430.85	376.98	807.83	309.13
Red Hills Federal 406H	610.00	7.64%	593.65	391.38	10.59%	391.38	326.18	717.56	267.47
Red Hills Federal 504H	607.00	7.60%	590.73	423.34	11.45%	423.34	324.58	747.92	266.16
Red Hills Federal 505H	484.00	6.06%	471.03	309.36	8.37%	309.36	258.81	568.17	212.22
Red Hills Federal 506H	494.00	6.19%	480.76	327.56	8.86%	327.56	264.15	591.71	216.61
Red Hills Federal 604H	721.00	9.03%	701.68	491.58	13.30%	491.58	385.53	877.11	316.14
Red Hills Federal 606H	626.00	7.84%	609.22	430.41	11.64%	430.41	334.74	765.15	274.49
Red Hills Federal 005H	694.00	8.69%	675.40	119.63	3.24%	119.63	371.10	490.73	304.30
Red Hills Federal 006H	1,049.00	13.14%	1,020.89	182.67	4.94%	182.67	560.92	743.59	459.96
Red Hills Federal 106H	405.00	5.07%	394.15	74.94	2.03%	74.94	216.56	291.50	177.58
Total	7,985.00	100%	7,771.00	3,697.24	1.00	3697.24	4269.76	7967	3501.24

Water Meter	Measures the volume of water that leaves a well's separator.
Water Production %	Theoretical Water Production %, calculated by dividing the Water Meter volume by the sum of all Water Meter volumes.
Allocated Production	Calculated by multiplying the Water Production % by the CTB Water Production
CTB Production	Calculation to determine the volume produced by the CTB during accounting period. (Ending Inventory - Beginning Inventory + Disposal Volume)
% of Beginning Inventory	Calculated by dividing a well's Beginning Tank Inventory by the CTB Beginning Tank Inventory.
Beginning Tank Inventory Disposal	If the Disposal Vol. is less than or equal to the CTB Beginning Tank Inventory, multiply % of Beginning Tank Inventory by the Water Transfer volume to get the Beginning Tank Inventory Sales volume.
New Water Inventory Disposal	If Disposal exceeds CTB Beginning Tank Inventory, New Water Inventory Disposal is calculated by multiplying the difference between Disposal Vol. and Beginning Tank Inventory Sales by Water Production %.
Disposal Volume	Volume measured the Water Transfer Meter which leaves the CTB for disposal.
Total Disposal	The total Disposal Volime measured by the Water Transfer Meter which is allocated to each well by summing Beginning Tank Inventory Disposal and New Water Inventory Disposal.
Beginning Tank Inventory	Inventory from previous accounting period's calculated Ending Inventory. If CTB is new, Beginning Inventory is zero.
Ending Tank Inventory	Calculated Inventory based on Allocated production, Total Allocated Sales, and Beginning Tank Inventory, (Beginning Tank Inventory - Total Disposal + Allocated Production)

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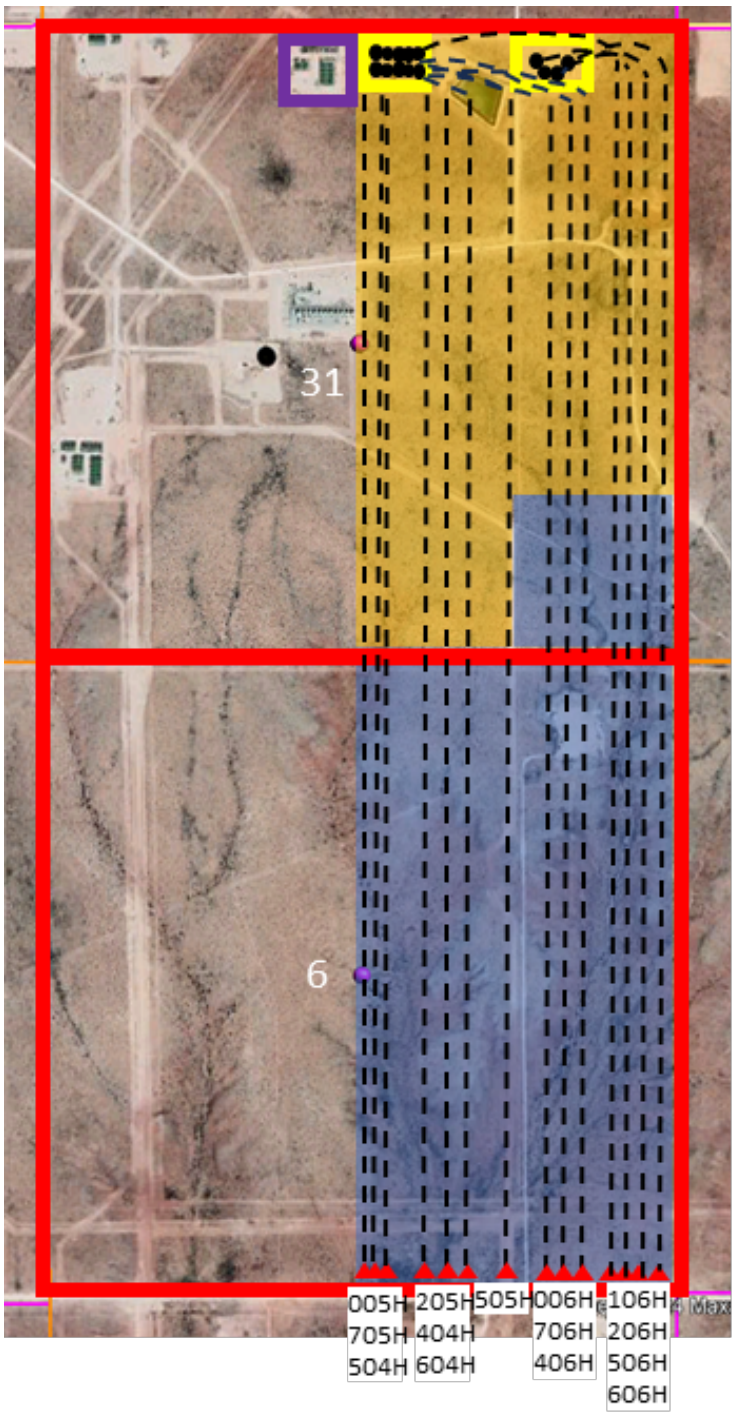
3c. All meters comply with BLM regulations.

All allocation meters installed shall comply with the Bureau of Land Management (BLM) Facility Measurement Point (FMP) regulations, specifically as outlined in **43 CFR 3175**, and shall meet the applicable American Petroleum Institute (API) standards, including **API MPMS Chapter 14.3 (Orifice Metering of Natural Gas)** and **API MPMS Chapter 21.1 (Flow Measurement Using Electronic Metering Systems)**. These regulations and standards ensure that all measurement devices meet federal accuracy requirements and industry best practices for the allocation and reporting of production data.

Steve Ledford
Gas Measurement Supervisor
KAISER-FRANCIS OIL COMPANY

Red Hills Federal Commingling Lease Map



Legend

- NMNM015321 360 acres
- NMNM122620 280 acres
- Surface Hole
- Wellbore
- Bottom Hole
- Production Facility
- Red Hills Drill Pads

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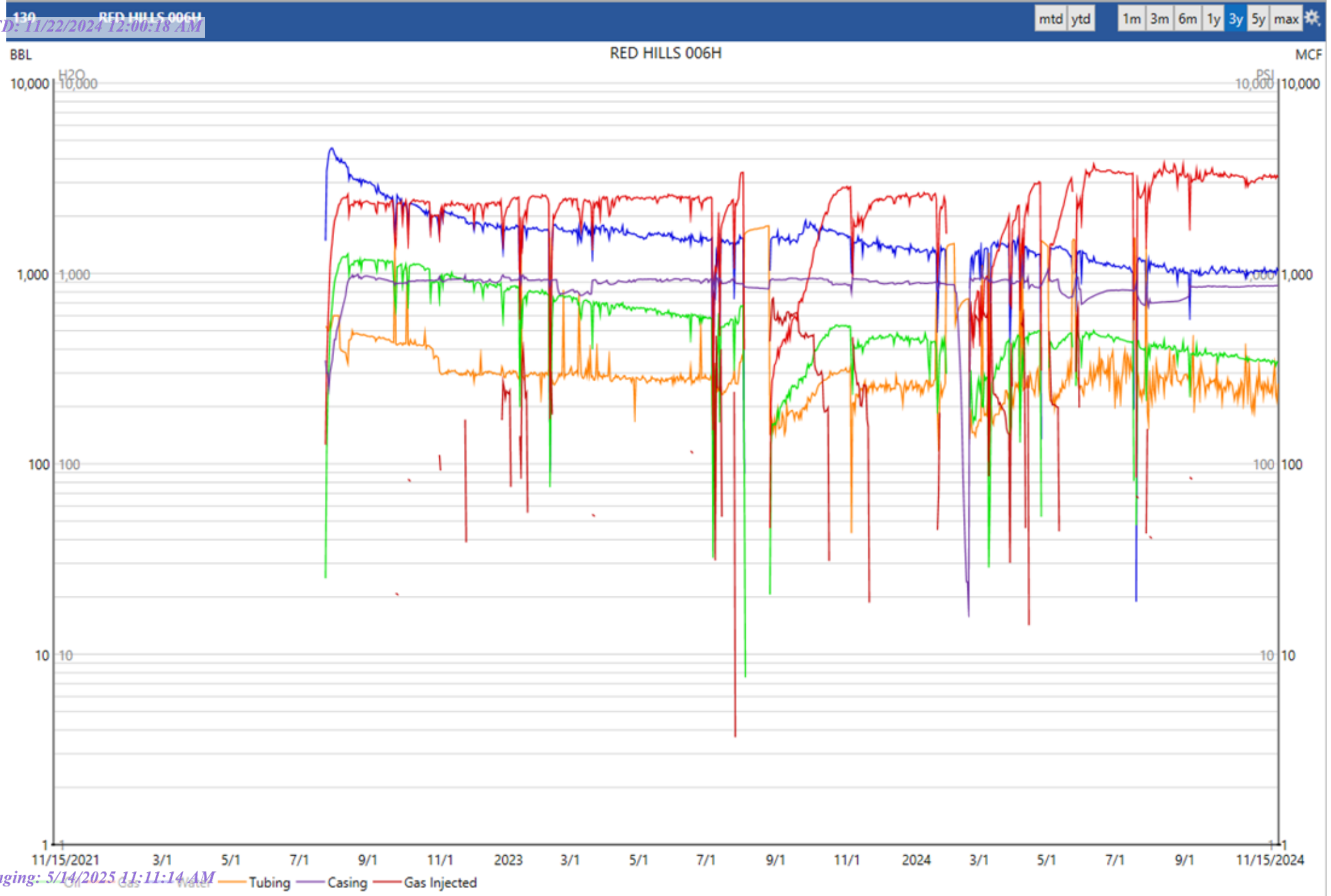
Month	Days On	Days Injected	Oil Production	Gas Injection	Gas Production	MMBTU	Water Production
Sep, 2024	30	0	10,749		99,632	99,632	30,904
Aug, 2024	31	0	11,843	86	101,859	101,859	31,791
Jul, 2024	30	0	11,474	310	84,568	84,568	30,739
Jun, 2024	30	0	13,735		104,575	104,575	33,478
May, 2024	29	0	12,952	2,020	79,028	79,028	35,971
Apr, 2024	24	0	10,223	2,787	54,454	54,454	30,242
Mar, 2024	31	0	10,189	6,812	52,016	52,016	39,178
Feb, 2024	18	0	3,893	9,835	21,967	21,967	20,647
Jan, 2024	23	0	8,532	314	52,001	52,001	27,041
Dec, 2023	31	0	14,042		79,739	79,739	41,769
Nov, 2023	30	0	13,142	3,183	70,023	70,023	42,823
Oct, 2023	31	0	15,067	2,799	77,604	77,604	49,589
Sep, 2023	30	0	8,839	15,278	42,842	42,842	49,046
Aug, 2023	15	0	2,483	8,928	14,485	14,485	22,803
Jul, 2023	25	0	12,932	1,176	54,056	54,056	33,666
Jun, 2023	30	0	15,731	942	67,395	67,395	42,249
May, 2023	31	0	19,046		77,819	77,819	48,867
Apr, 2023	30	0	19,713		75,069	75,069	48,428
Mar, 2023	31	0	20,630	55	71,720	71,720	52,145
Feb, 2023	28	0	19,150	504	61,272	61,272	44,775
Jan, 2023	31	0	23,502	1,811	74,250	74,250	51,595
Dec, 2022	31	0	25,747	1,926	71,856	71,856	53,900
Nov, 2022	30	0	27,551	216	68,170	68,170	57,993
Oct, 2022	31	0	30,405	206	69,277	69,277	64,567
Sep, 2022	30	0	31,321	106	65,974	65,974	71,482
Aug, 2022	31	0	35,140		66,955	66,955	96,685
Jul, 2022	17	0	12,893		26,655	26,655	66,730



LSM
LABORATORY SERVICES AND MEASUREMENT

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1140
Operator	Kaiser Francis
Lease	RH 005H FP2
Sample Date/Time Effective Date:	7-11-24 11:00 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	78 F
Sample Pressure	145 PSI
Sample Flow Rate	1313 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3191
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:39:28

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.7070	2.7110	0.000	0.000	
Carbon Dioxide	7.9550	7.9667	0.000	0.000	
Methane	73.1220	73.2296	0.000	0.000	
Ethane	8.4880	8.5005	2.281	2.242	
Propane	4.4040	4.4105	1.219	1.198	
isobutane	0.5420	0.5428	0.178	0.175	
n-Butane	1.3390	1.3410	0.424	0.417	
isopentane	0.4000	0.4006	0.147	0.144	
n-Pentane	0.3960	0.3966	0.144	0.142	
hexanes	0.2840	0.2844	0.117	0.115	
heptanes	0.1480	0.1482	0.069	0.067	
octanes	0.0600	0.0601	0.031	0.030	
nonanes+	0.0080	0.0080	0.005	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.8530	100.0000	4.615	4.636	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.8530		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1122.9	1103.4	
Gross Heating Value (BTU / Real cu.ft.)	1126.9	1107.8	
Relative Density (G), Ideal	0.7823	0.7795	
Relative Density (G), Real	0.7847	0.7822	
Compressibility (Z) Factor	0.9965	0.9961	
Total GPM	4.615	4.636	

LSM
LABORATORY SERVICES AND MEASUREMENT

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1140
Operator	Kaiser Francis
Lease	RH 005H FP2
Sample Date/Time Effective Date:	7-11-24 11:00 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	78 F
Sample Pressure	145 PSI
Sample Flow Rate	1313 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3191
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:39:28

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.7070	2.7110	0.000	0.000	
Carbon Dioxide	7.9550	7.9667	0.000	0.000	
Methane	73.1220	73.2296	0.000	0.000	
Ethane	8.4880	8.5005	2.281	2.242	
Propane	4.4040	4.4105	1.219	1.198	
isobutane	0.5420	0.5428	0.178	0.175	
n-Butane	1.3390	1.3410	0.424	0.417	
isopentane	0.4000	0.4006	0.147	0.144	
n-Pentane	0.3960	0.3966	0.144	0.142	
hexanes	0.2840	0.2844	0.117	0.115	
heptanes	0.1480	0.1482	0.069	0.067	
octanes	0.0600	0.0601	0.031	0.030	
nonanes+	0.0080	0.0080	0.005	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.8530	100.0000	4.615	4.636	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.8530		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1122.9	1103.4	
Gross Heating Value (BTU / Real cu.ft.)	1126.9	1107.8	
Relative Density (G), Ideal	0.7823	0.7795	
Relative Density (G), Real	0.7847	0.7822	
Compressibility (Z) Factor	0.9965	0.9961	
Total GPM	4.615	4.636	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1141
Operator	Kaiser Francis
Lease	RH 006H FP2
Sample Date/Time Effective Date:	7-11-24 11:25 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	91 F
Sample Pressure	144 PSI
Sample Flow Rate	604 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1322
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:40:47

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.8440	1.8003	0.000	0.000	
Carbon Dioxide	7.9000	7.7127	0.000	0.000	
Methane	72.5950	70.8744	0.000	0.000	
Ethane	10.2620	10.0187	2.689	2.643	
Propane	6.0310	5.8880	1.628	1.600	
isobutane	0.6450	0.6297	0.207	0.203	
n-Butane	1.6730	1.6333	0.517	0.508	
isopentane	0.4780	0.4667	0.171	0.168	
n-Pentane	0.4710	0.4598	0.167	0.164	
hexanes	0.3030	0.2958	0.122	0.120	
heptanes	0.1560	0.1523	0.071	0.069	
octanes	0.0570	0.0556	0.029	0.028	
nonanes+	0.0130	0.0127	0.007	0.007	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.4280	100.0000	5.608	5.612	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.4280		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1181.7	1161.1	
Gross Heating Value (BTU / Real cu.ft.)	1186.3	1166.2	
Relative Density (G), Ideal	0.8062	0.8030	
Relative Density (G), Real	0.8090	0.8061	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	5.608	5.612	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1142
Operator	Kaiser Francis
Lease	RH 106H FP2
Sample Date/Time Effective Date:	8-12-24 1:49 PM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	86 F
Sample Pressure	102 PSI
Sample Flow Rate	3608 MCF
Ambient Temperature	100 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3375
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:19:10

Component Results

Total Flow Updated: 09-11-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.1190	2.1900	0.000	0.000	
Carbon Dioxide	5.7430	5.9354	0.000	0.000	
Methane	72.7220	75.1585	0.000	0.000	
Ethane	8.5350	8.8210	2.367	2.327	
Propane	4.2020	4.3428	1.200	1.180	
isobutane	0.5420	0.5602	0.184	0.181	
n-Butane	1.3170	1.3611	0.431	0.423	
isopentane	0.3960	0.4093	0.150	0.148	
n-Pentane	0.4300	0.4444	0.162	0.159	
hexanes	0.3870	0.4000	0.165	0.162	
heptanes	0.2330	0.2408	0.111	0.110	
octanes	0.1240	0.1282	0.066	0.065	
nonanes+	0.0080	0.0083	0.005	0.005	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	96.7580	100.0000	4.841	4.858	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	96.7580		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1164.8	1144.6	
Gross Heating Value (BTU / Real cu.ft.)	1169.1	1149.2	
Relative Density (G), Ideal	0.7709	0.7683	
Relative Density (G), Real	0.7733	0.7710	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	4.841	4.858	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 967
Operator	Kaiser Francis
Lease	RH 205H FP2 BS 205H
Sample Date/Time Effective Date:	9-26-24 9:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	81 F
Sample Pressure	91 PSI
Sample Flow Rate	1557 MCF
Ambient Temperature	76 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	SS
Cylinder #	0613
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-10-16 13:04:56

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.7250	1.6632	0.000	0.000	
Carbon Dioxide	1.2340	1.1898	0.000	0.000	
Methane	78.6240	75.8079	0.000	0.000	
Ethane	11.8510	11.4265	3.067	3.015	
Propane	5.4280	5.2336	1.447	1.423	
isobutane	0.8150	0.7858	0.258	0.254	
n-Butane	1.7360	1.6738	0.530	0.521	
isopentane	0.5240	0.5052	0.185	0.182	
n-Pentane	0.6410	0.6180	0.225	0.221	
hexanes	0.5210	0.5023	0.207	0.204	
heptanes	0.3540	0.3413	0.158	0.155	
octanes	0.2510	0.2420	0.124	0.122	
nonanes+	0.0110	0.0106	0.006	0.006	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	103.7150	100.0000	6.208	6.203	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	103.7150		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1286.2	1263.8	
Gross Heating Value (BTU / Real cu.ft.)	1291.3	1269.4	
Relative Density (G), Ideal	0.7665	0.7640	
Relative Density (G), Real	0.7692	0.7670	
Compressibility (Z) Factor	0.9960	0.9956	
Total GPM	6.208	6.203	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 963
Operator	Kaiser Francis
Lease	RH 206H FP2
Sample Date/Time Effective Date:	8-7-24 9:57 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	96 F
Sample Pressure	101 PSI
Sample Flow Rate	717 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	613
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 09:30:34

Component Results

Total Flow Updated: 09-10-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.6900	1.6812	0.000	0.000	
Carbon Dioxide	1.6470	1.6384	0.000	0.000	
Methane	75.6370	75.2443	0.000	0.000	
Ethane	11.5160	11.4562	3.075	3.023	
Propane	5.5090	5.4804	1.515	1.490	
isobutane	0.7700	0.7660	0.252	0.247	
n-Butane	1.9290	1.9190	0.607	0.597	
isopentane	0.4740	0.4715	0.173	0.170	
n-Pentane	0.5300	0.5272	0.192	0.189	
hexanes	0.3920	0.3900	0.161	0.158	
heptanes	0.2830	0.2815	0.130	0.128	
octanes	0.1400	0.1393	0.072	0.070	
nonanes+	0.0050	0.0050	0.003	0.003	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5220	100.0000	6.180	6.175	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5220		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1274.1	1252.0	
Gross Heating Value (BTU / Real cu.ft.)	1279.2	1257.4	
Relative Density (G), Ideal	0.7661	0.7636	
Relative Density (G), Real	0.7688	0.7666	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.180	6.175	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 969
Operator	Kaiser Francis
Lease	RH 404H FP2
Sample Date/Time Effective Date:	9-26-24 11:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	95 F
Sample Pressure	34 F
Sample Flow Rate	1344 MCF
Ambient Temperature	90 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	20314
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-17 13:55:26

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1250	1.1192	0.000	0.000	
Carbon Dioxide	0.4580	0.4556	0.000	0.000	
Methane	77.2810	76.8795	0.000	0.000	
Ethane	11.8210	11.7596	3.156	3.103	
Propane	5.1060	5.0795	1.405	1.381	
isobutane	0.9850	0.9799	0.322	0.316	
n-Butane	1.8720	1.8623	0.589	0.579	
isopentane	0.5210	0.5183	0.190	0.187	
n-Pentane	0.5100	0.5074	0.185	0.181	
hexanes	0.4380	0.4357	0.180	0.177	
heptanes	0.2590	0.2577	0.119	0.117	
octanes	0.1250	0.1244	0.064	0.063	
nonanes+	0.0210	0.0209	0.012	0.012	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5220	100.0000	6.222	6.216	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5220		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1293.2	1270.7	
Gross Heating Value (BTU / Real cu.ft.)	1298.3	1276.2	
Relative Density (G), Ideal	0.7533	0.7510	
Relative Density (G), Real	0.7559	0.7540	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.222	6.216	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 961
Operator	Kaiser Francis
Lease	RH 406H FP2
Sample Date/Time Effective Date:	8-7-24 12:01 PM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	103 F
Sample Pressure	100 PSI
Sample Flow Rate	1277 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3287
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 09:36:25

Component Results

Total Flow Updated: 09-09-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1360	1.1274	0.000	0.000	
Carbon Dioxide	0.2290	0.2273	0.000	0.000	
Methane	76.5160	75.9351	0.000	0.000	
Ethane	11.9320	11.8414	3.179	3.125	
Propane	5.9110	5.8661	1.622	1.595	
isobutane	0.8270	0.8207	0.270	0.265	
n-Butane	2.1160	2.0999	0.665	0.653	
isopentane	0.5060	0.5022	0.184	0.181	
n-Pentane	0.6240	0.6193	0.225	0.222	
hexanes	0.4680	0.4644	0.192	0.188	
heptanes	0.3210	0.3186	0.148	0.145	
octanes	0.1720	0.1707	0.088	0.086	
nonanes+	0.0070	0.0069	0.004	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.7650	100.0000	6.576	6.564	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.7650		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1318.0	1295.1	
Gross Heating Value (BTU / Real cu.ft.)	1323.4	1300.9	
Relative Density (G), Ideal	0.7656	0.7631	
Relative Density (G), Real	0.7684	0.7663	
Compressibility (Z) Factor	0.9959	0.9955	
Total GPM	6.576	6.564	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 965
Operator	Kaiser Francis
Lease	RH 504H FP2
Sample Date/Time Effective Date:	8-8-24 11:11 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-26-2024
Sample Temperature	99 F
Sample Pressure	90 PSI
Sample Flow Rate	1631 MCF
Ambient Temperature	98 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1428
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-08-29 15:01:17

Component Results

Total Flow Updated: 09-10-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1940	1.1829	0.000	0.000	
Carbon Dioxide	0.6500	0.6440	0.000	0.000	
Methane	74.3870	73.6971	0.000	0.000	
Ethane	12.7540	12.6357	3.393	3.335	
Propane	6.2690	6.2109	1.718	1.689	
isobutane	0.8980	0.8897	0.292	0.287	
n-Butane	2.3290	2.3074	0.730	0.718	
isopentane	0.5700	0.5647	0.207	0.204	
n-Pentane	0.7170	0.7104	0.259	0.254	
hexanes	0.8000	0.7926	0.327	0.322	
heptanes	0.2630	0.2606	0.121	0.119	
octanes	0.0760	0.0753	0.039	0.038	
nonanes+	0.0290	0.0287	0.016	0.016	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.9360	100.0000	7.103	7.082	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.9360		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1341.3	1318.0	
Gross Heating Value (BTU / Real cu.ft.)	1347.2	1324.3	
Relative Density (G), Ideal	0.7879	0.7851	
Relative Density (G), Real	0.7910	0.7885	
Compressibility (Z) Factor	0.9957	0.9953	
Total GPM	7.103	7.082	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 966
Operator	Kaiser Francis
Lease	Red Hills WC 505H FP2
Sample Date/Time Effective Date:	9-26-24 9:40 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	89 F
Sample Pressure	4 PSI
Sample Flow Rate	616 MCF
Ambient Temperature	90 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	3497
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-16 15:18:57

Component Results

Total Flow Updated: 10-21-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.2410	1.2125	0.000	0.000	
Carbon Dioxide	1.1250	1.0991	0.000	0.000	
Methane	78.1120	76.3170	0.000	0.000	
Ethane	11.2340	10.9758	2.946	2.896	
Propane	6.1010	5.9608	1.648	1.620	
isobutane	0.7800	0.7621	0.250	0.246	
n-Butane	2.2420	2.1905	0.693	0.681	
isopentane	0.5800	0.5667	0.208	0.204	
n-Pentane	0.4130	0.4035	0.147	0.144	
hexanes	0.3150	0.3078	0.127	0.125	
heptanes	0.1240	0.1212	0.056	0.055	
octanes	0.0720	0.0703	0.036	0.036	
nonanes+	0.0130	0.0127	0.007	0.007	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.3520	100.0000	6.119	6.115	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.3520		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1279.7	1257.4	
Gross Heating Value (BTU / Real cu.ft.)	1284.6	1262.8	
Relative Density (G), Ideal	0.7560	0.7536	
Relative Density (G), Real	0.7586	0.7565	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.119	6.115	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 962
Operator	Kaiser Francis
Lease	RED HILLS WC 506
Sample Date/Time Effective Date:	9-26-24 9:25 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-15-24
Sample Temperature	89 F
Sample Pressure	91 PSI
Sample Flow Rate	1194 MCF
Ambient Temperature	80 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	JULIO FELIX
Cylinder #	1328
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-10-17 13:45:23

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.5220	1.4790	0.000	0.000	
Carbon Dioxide	0.5280	0.5131	0.000	0.000	
Methane	76.1820	74.0320	0.000	0.000	
Ethane	12.5240	12.1706	3.268	3.213	
Propane	6.2410	6.0649	1.678	1.649	
isobutane	0.9400	0.9135	0.300	0.295	
n-Butane	2.4950	2.4246	0.768	0.754	
isopentane	0.5500	0.5345	0.196	0.193	
n-Pentane	0.6800	0.6608	0.241	0.236	
hexanes	0.5500	0.5345	0.221	0.217	
heptanes	0.3810	0.3702	0.171	0.169	
octanes	0.2250	0.2187	0.112	0.111	
nonanes+	0.0860	0.0836	0.047	0.046	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.9040	100.0000	7.002	6.983	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.9040		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1340.8	1317.4	
Gross Heating Value (BTU / Real cu.ft.)	1346.6	1323.7	
Relative Density (G), Ideal	0.7887	0.7858	
Relative Density (G), Real	0.7917	0.7892	
Compressibility (Z) Factor	0.9957	0.9952	
Total GPM	7.002	6.983	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 968
Operator	Kaiser Francis
Lease	Red HIlls WC 604H FP2
Sample Date/Time Effective Date:	9-26-24 10:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	99 F
Sample Pressure	34 PSI
Sample Flow Rate	1638 MCF
Ambient Temperature	80 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	3532
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-16 15:25:16

Component Results

Total Flow Updated: 10-21-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.5310	1.5221	0.000	0.000	
Carbon Dioxide	0.6240	0.6204	0.000	0.000	
Methane	77.2140	76.7640	0.000	0.000	
Ethane	11.2150	11.1497	2.992	2.942	
Propane	5.6210	5.5883	1.545	1.519	
isobutane	0.9110	0.9057	0.297	0.292	
n-Butane	1.8240	1.8134	0.574	0.564	
isopentane	0.5350	0.5319	0.195	0.192	
n-Pentane	0.5420	0.5388	0.196	0.193	
hexanes	0.3260	0.3241	0.134	0.131	
heptanes	0.2210	0.2197	0.102	0.100	
octanes	0.0210	0.0209	0.011	0.011	
nonanes+	0.0010	0.0010	0.001	0.001	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5860	100.0000	6.047	6.044	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5860		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1276.6	1254.3	
Gross Heating Value (BTU / Real cu.ft.)	1281.4	1259.6	
Relative Density (G), Ideal	0.7495	0.7473	
Relative Density (G), Real	0.7521	0.7502	
Compressibility (Z) Factor	0.9962	0.9958	
Total GPM	6.047	6.044	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 964
Operator	Kaiser Francis
Lease	RH 606H FP2
Sample Date/Time Effective Date:	8-8-24 10:36 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-26-2024
Sample Temperature	103 F
Sample Pressure	102 PSI
Sample Flow Rate	1469 MCF
Ambient Temperature	98 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	2274
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-08-29 15:00:24

Total Flow Updated: 09-10-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.0260	1.0357	0.000	0.000	
Carbon Dioxide	0.1500	0.1514	0.000	0.000	
Methane	75.6780	76.3970	0.000	0.000	
Ethane	11.6520	11.7627	3.158	3.104	
Propane	5.5630	5.6158	1.553	1.527	
isobutane	0.8720	0.8803	0.289	0.284	
n-Butane	2.0920	2.1119	0.668	0.657	
isopentane	0.5070	0.5118	0.188	0.185	
n-Pentane	0.6000	0.6057	0.220	0.217	
hexanes	0.6200	0.6259	0.258	0.254	
heptanes	0.1840	0.1857	0.086	0.085	
octanes	0.0590	0.0596	0.031	0.030	
nonanes+	0.0560	0.0565	0.032	0.031	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.0590	100.0000	6.483	6.473	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.0590		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1314.0	1291.2	
Gross Heating Value (BTU / Real cu.ft.)	1319.4	1296.9	
Relative Density (G), Ideal	0.7609	0.7585	
Relative Density (G), Real	0.7636	0.7615	
Compressibility (Z) Factor	0.9960	0.9956	
Total GPM	6.483	6.473	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1143
Operator	Kaiser Francis
Lease	RH 705H FP2
Sample Date/Time Effective Date:	8-7-24 11:13 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	94 F
Sample Pressure	105 PSI
Sample Flow Rate	2406 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1242
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:18:08

Total Flow Updated: 09-11-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.0120	2.0530	0.000	0.000	
Carbon Dioxide	4.3470	4.4356	0.000	0.000	
Methane	74.8680	76.3935	0.000	0.000	
Ethane	9.1730	9.3599	2.512	2.469	
Propane	4.2510	4.3376	1.199	1.179	
isobutane	0.5230	0.5337	0.175	0.172	
n-Butane	1.3100	1.3367	0.423	0.416	
isopentane	0.3560	0.3633	0.133	0.131	
n-Pentane	0.4060	0.4143	0.151	0.148	
hexanes	0.3720	0.3796	0.157	0.154	
heptanes	0.2560	0.2612	0.121	0.119	
octanes	0.1240	0.1265	0.065	0.064	
nonanes+	0.0050	0.0051	0.003	0.003	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	98.0030	100.0000	4.938	4.954	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	98.0030		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1181.9	1161.3	
Gross Heating Value (BTU / Real cu.ft.)	1186.1	1165.9	
Relative Density (G), Ideal	0.7561	0.7537	
Relative Density (G), Real	0.7585	0.7564	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	4.938	4.954	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1144
Operator	Kaiser Francis
Lease	RH 706H FP2
Sample Date/Time Effective Date:	8-7-24 11:33 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	96 F
Sample Pressure	100 PSI
Sample Flow Rate	2424 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3198
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:16:38

Total Flow Updated: 09-11-24

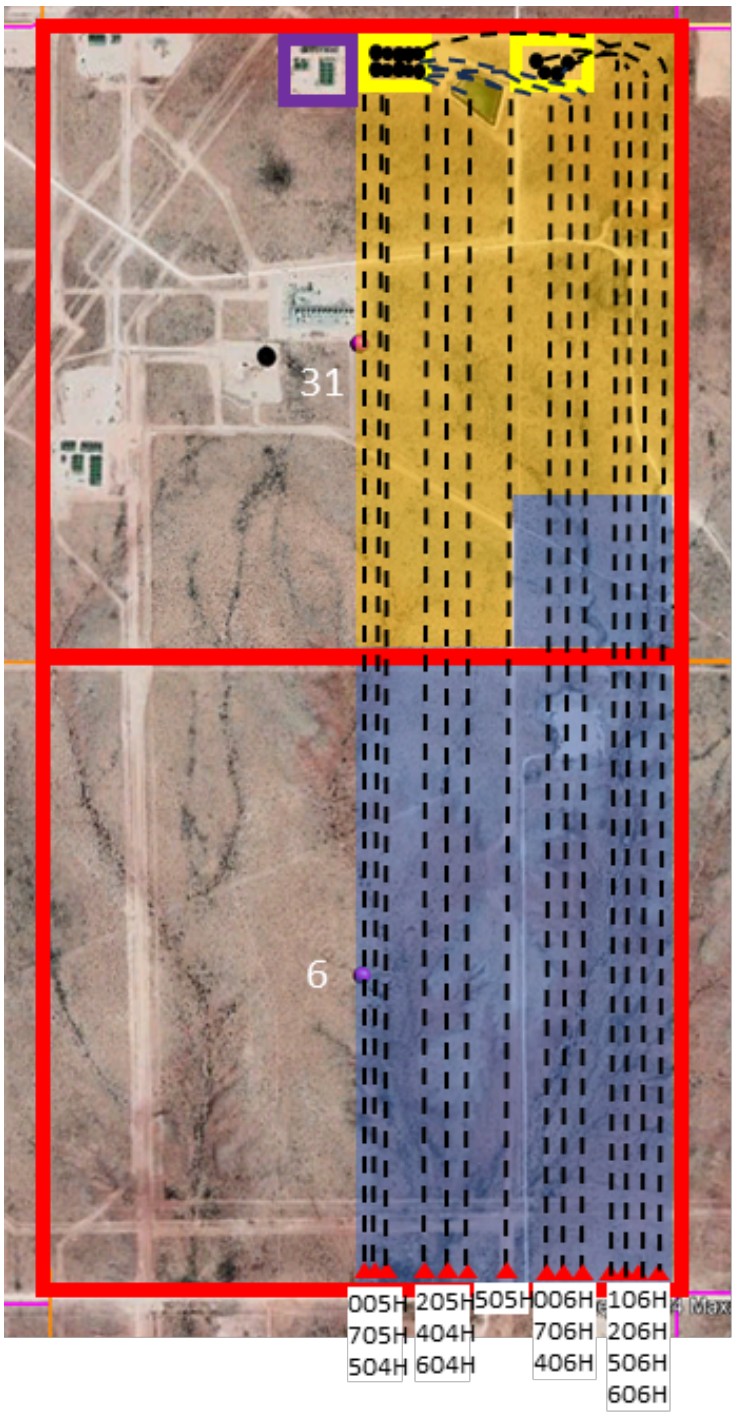
Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.0760	2.1305	0.000	0.000	
Carbon Dioxide	4.6810	4.8038	0.000	0.000	
Methane	73.8510	75.7881	0.000	0.000	
Ethane	8.9760	9.2114	2.472	2.430	
Propane	4.3070	4.4200	1.222	1.201	
isobutane	0.5410	0.5552	0.182	0.179	
n-Butane	1.3860	1.4224	0.450	0.442	
isopentane	0.3790	0.3889	0.143	0.140	
n-Pentane	0.4350	0.4464	0.162	0.160	
hexanes	0.3910	0.4013	0.166	0.163	
heptanes	0.2720	0.2791	0.129	0.127	
octanes	0.1410	0.1447	0.074	0.073	
nonanes+	0.0080	0.0082	0.005	0.005	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	97.4440	100.0000	5.005	5.019	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	97.4440		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1184.4	1163.8	
Gross Heating Value (BTU / Real cu.ft.)	1188.7	1168.5	
Relative Density (G), Ideal	0.7645	0.7620	
Relative Density (G), Real	0.7669	0.7648	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	5.005	5.019	

Red Hills Federal Commingling Lease Map



Legend

- NMNM015321 360 acres
- NMNM122620 280 acres
- Surface Hole
- Wellbore
- Bottom Hole
- Production Facility
- Red Hills Drill Pads

KFOC Red Hills Facility Pad 2

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

N

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620
Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620
Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620

Bone Springs FP2
(detail displayed pg 4)

Wolfcamp FP2
(detail displayed pg 3)

Avalon FP2
(detail displayed pg 2)

MPLX Wolfcamp FP2 Sales

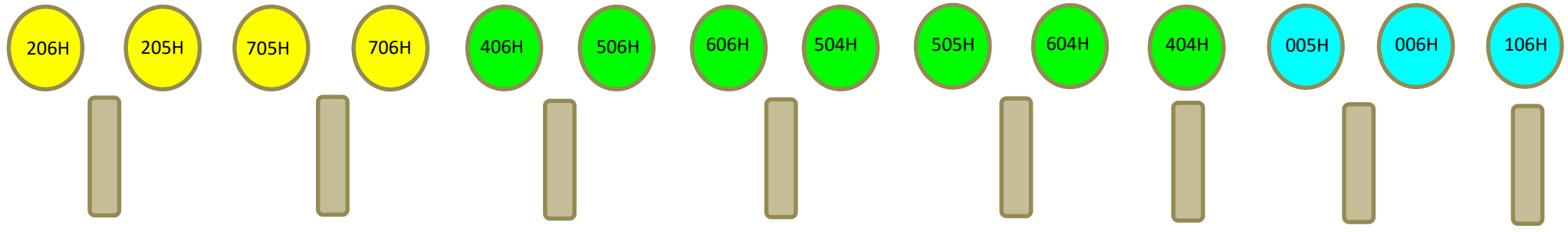
FMP #

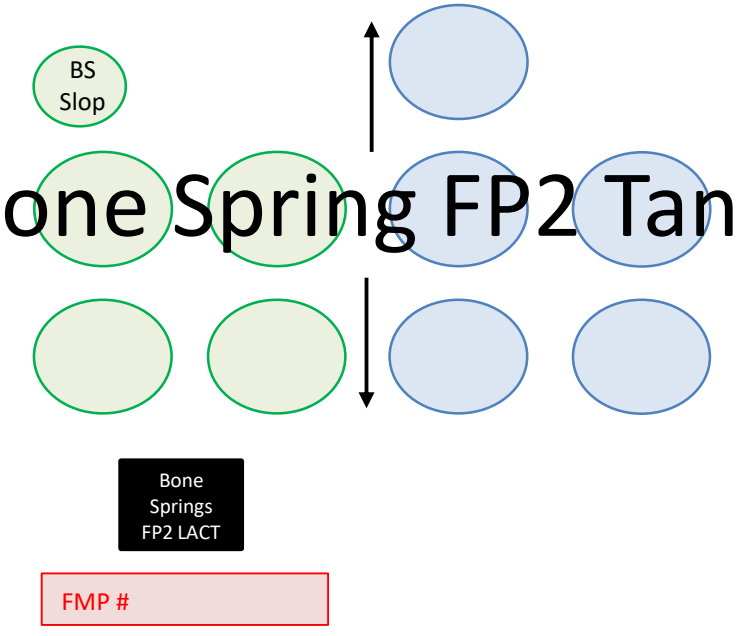
MPLX Bone Springs FP2 Sales

FMP #

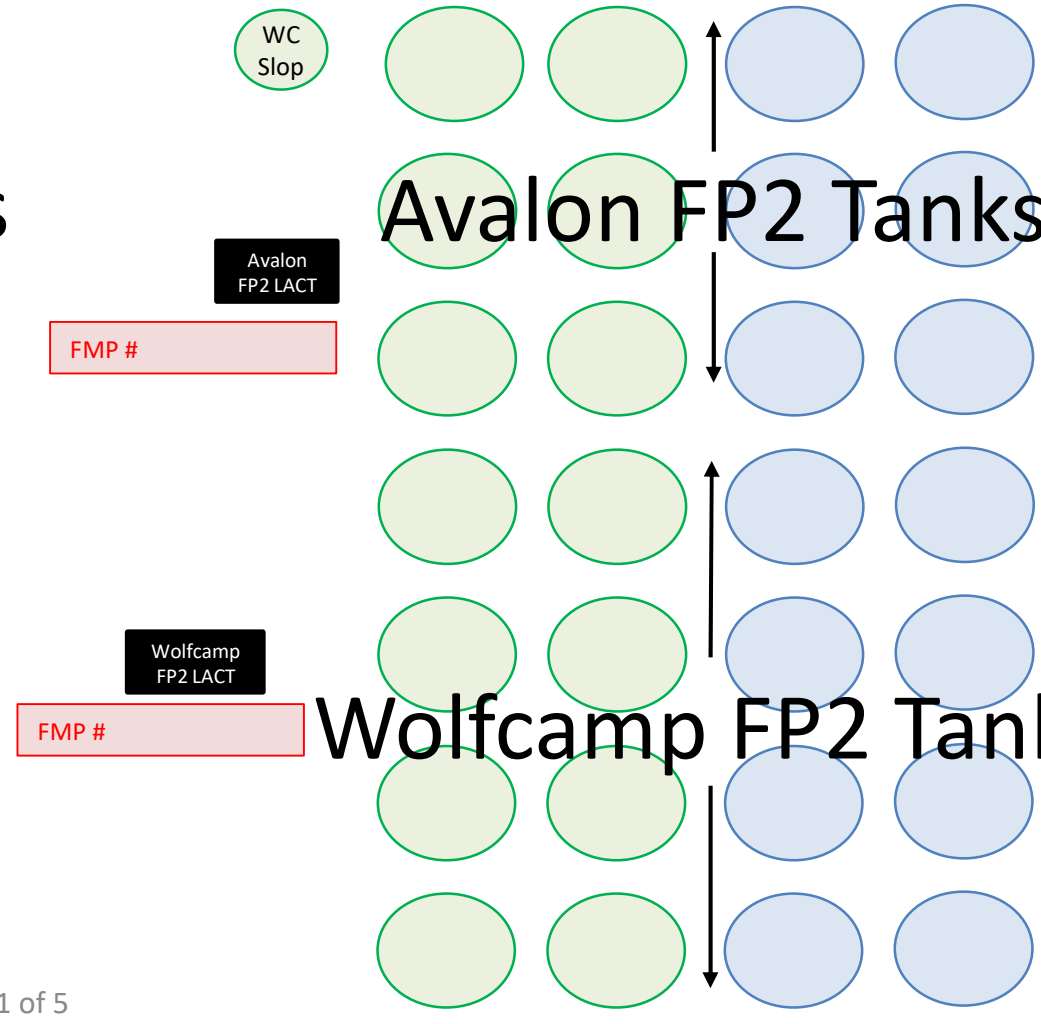
MPLX Avalon FP2 Sales

FMP #





Bone Spring FP2 Tanks



Avalon FP2 Tanks

Wolfcamp FP2 Tanks

RFOC Red Hills Facility Pad 2 – Avalon

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620

N

MPLX Wolfcamp FP2 Sales 1 & Sales 2
S/N's: T193581806 & T193581807
FMP #'s

MPLX Bone Springs FP2 Sales 1 & Sales 2
S/N's: T193884834 & T193884845
FMP #'s

MPLX Avalon FP2 Sales 1 & Sales 2
S/N's: T215149890 & T215149889
FMP #'s

See attachment page 5 for legend, valve positioning, and lease gas use info.

005H 006H 106H

LACT Reject & Circulating Line

WATER TO DISPOSAL

Avalon FP2 LACT
S/N: 21228470
FMP #

OT 1 OT 2 OT 3 OT 4 OT 5 OT 6

WT 1 WT 2 WT 3 WT 4 WT 5 WT 6

Wolfcamp FP2 Tanks

FP2 Avalon Gas Meter Breakdown

- **Avalon FP2 Sales 1 and Sales 2**
  - SN's T215149890 & T215149889 (Twin sales meter runs)
    - Red Hills 005H
    - Red Hills 006H
    - Red Hills 106H

KEOG Red Hills Facility Pad 2 – Wolfcamp

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

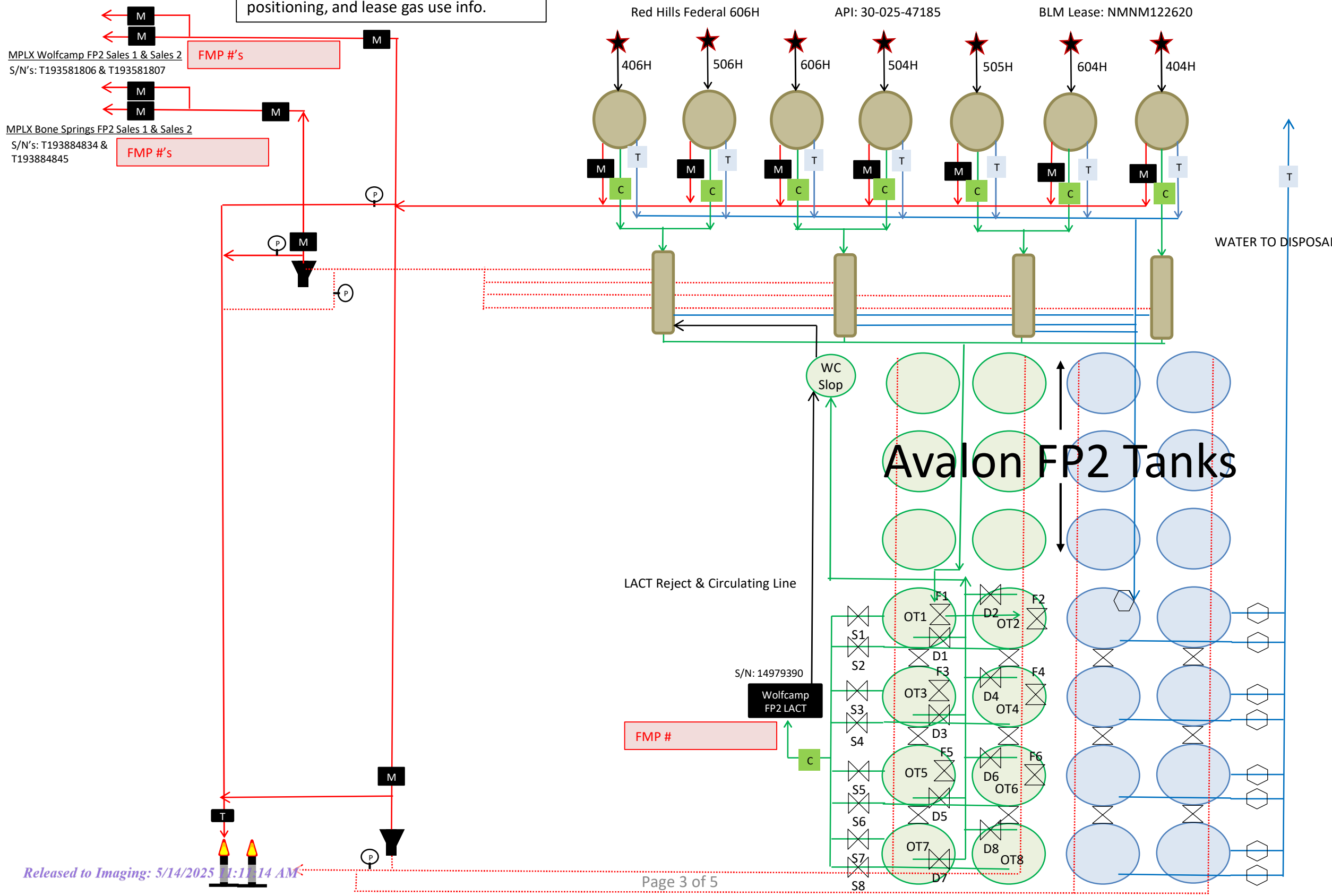
Latitude: 32.24206° N

Longitude: 103.39386° W

See attachment page 5 for legend, valve positioning, and lease gas use info.

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620



FP2 Wolfcamp Gas Meter Breakdown

- **Wolfcamp FP2 Sales 1 and Sales 2**
  - SN's T193581806 & T193581807 (Twin sales meter runs)
    - Red Hills 404H
    - Red Hills 406H
    - Red Hills 504H
    - Red Hills 505H
    - Red Hills 506H
    - Red Hills 604H
    - Red Hills 606H
    - Combined Wolfcamp/Avalon FP2 Oil Tanks VRU gas

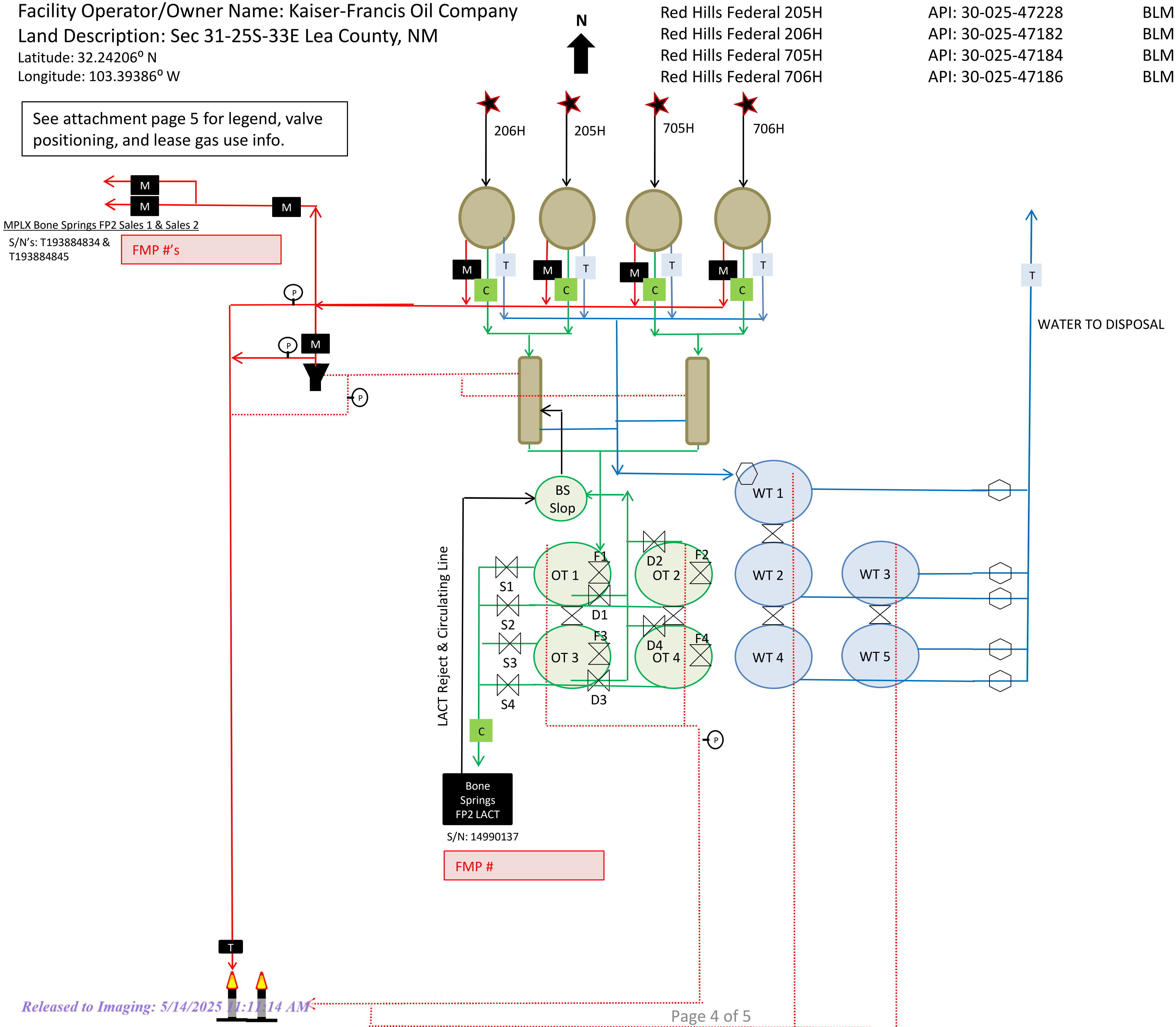
KFOC Red Hills Facility Pad 2 - Bone Springs

Facility Operator/Owner Name: Kaiser-Francis Oil Company
Land Description: Sec 31-25S-33E Lea County, NM
Latitude: 32.24206° N
Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620

See attachment page 5 for legend, valve positioning, and lease gas use info.



FP2 Bone Springs Gas Meter Breakdown

- **Bone Springs FP2 Sales 1 and Sales 2**
  - SN's T193884834 & T193884845 (Twin sales meter runs)
    - Red Hills 205H
    - Red Hills 206H
    - Red Hills 705H
    - Red Hills 706H
    - Combined Wolfcamp/Avalon/Bone Springs FP2 Heater Treater VRU gas

KFOC Red Hills Facility Pad 2

Facility Operator/Owner Name: Kaiser-Francis Oil Company

Land Description: Sec 31-25S-33E Lea County, NM

Latitude: 32.24206° N

Longitude: 103.39386° W

Wells coming into facility (all SHLs located in Sec 31-25S-33E):

Red Hills Federal 205H	API: 30-025-47228	BLM Lease: NMNM122620
Red Hills Federal 206H	API: 30-025-47182	BLM Lease: NMNM122620
Red Hills Federal 705H	API: 30-025-47184	BLM Lease: NMNM122620
Red Hills Federal 706H	API: 30-025-47186	BLM Lease: NMNM122620
Red Hills Federal 404H	API: 30-025-47037	BLM Lease: NMNM122620
Red Hills Federal 406H	API: 30-025-47039	BLM Lease: NMNM122620
Red Hills Federal 504H	API: 30-025-47038	BLM Lease: NMNM122620
Red Hills Federal 505H	API: 30-025-47031	BLM Lease: NMNM122620
Red Hills Federal 506H	API: 30-025-47189	BLM Lease: NMNM122620
Red Hills Federal 604H	API: 30-025-47190	BLM Lease: NMNM122620
Red Hills Federal 606H	API: 30-025-47185	BLM Lease: NMNM122620
Red Hills Federal 005H	API: 30-025-46992	BLM Lease: NMNM122620
Red Hills Federal 006H	API: 30-025-46993	BLM Lease: NMNM122620
Red Hills Federal 106H	API: 30-025-47036	BLM Lease: NMNM122620

Diagram Legend

- Gas line
- Water line
- Oil line
- Vapor gas line
- M — Orifice plate gas meter
- T — Turbine meter
- C — Coriolis meter
- T — Thermal gas meter
- S1 – S8: sales valves (S)
- D1 – D8: drain/circulating valves (D)
- F1 – F8: fill valves (F)

250psi 3 phase separator

Electric vapor recovery unit

Vertical heater treater

Flare with High and Low Pressure tip

Valve Positioning in the Production & LACT Sales Phase

Production into OT1 – OT8
F1 is open
Equalizers open
D1, D2, D3, D4, D5, D6, D7 & D8 are sealed closed
S1, S2, S3, S4, S5, S6, S7 & S8 are open

Valve Positioning in the Production & Drain/Circulating Phase

Ex: Production into OT1, OT2, OT3, OT4, OT5, OT6 & OT7 and drain from OT8
F1, F2, F3, F4, F5, F6 & F7 are open and F8 is sealed closed
Equalizers closed
D1, D2, D3, D4, D5, D6 & D7 are sealed closed and D8 is open
S1, S2, S3, S4, S5, S6, S7 & S8 are sealed closed

Lease Gas Use Calculations

DBI Flare Stack (Pilot Gas): 0.078 mcf/hr $\times$ $24hrs = 1.872\frac{Mcf}{d}$

Bird Flare Stack (Pilot Gas): 0.038 mcf/hr $\times$ $24hrs = 0.912\frac{Mcf}{d}$

(2) Heater Treaters (Bone Springs): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1313\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (2) = 18.3\frac{Mcf}{d}$

(4) Heater Treaters (Wolfcamp): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1320\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (4) = 36.4\frac{Mcf}{d}$

(2) Heater Treaters (Avalon): 500 Mbtu/hr burner rating running 24hrs/d. $500{,}000\frac{btu}{hr} \div 1184\frac{btu}{scf} \div 1000\frac{scf}{Mcf} \times 24hrs \times (2) = 20.3\frac{Mcf}{d}$

* $1313, 1320$ & $1184\frac{btu}{}$ HV determined by gas analysis taken from FMP #xxxxxx on February 2023 gas volume statement.

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
RED HILLS	006H	300254699300S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	506H	300254718900S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	706H	300254718600S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	705H	300254718400S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	504H	300254703800S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	606H	300254718500S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	106H	300254703600S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	206H	300254718200S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	604H	300254719000S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	205H	300254722800S1	NMNM122620	NMNM105785709	KAISER
RED HILLS	404H	300254703700S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	406H	300254703900S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	505H	300254703100S1	NMNM122620	NMNM105780582	KAISER
RED HILLS	005H	300254699200S1	NMNM122620	NMNM105785709	KAISER

Notice of Intent

Sundry ID: 2841246

Type of Submission: Notice of Intent

Type of Action: Commingling (Surface) and Off-Lease Measurement

Date Sundry Submitted: 03/11/2025

Time Sundry Submitted: 02:20

Date proposed operation will begin: 03/11/2025

Procedure Description: Kaiser-Francis Oil Company requests to commingle production at Red Hills Facility Pad 2, NMNM126620, under 43 CFR 3173.14.a.1.i. Commingling will reduce equipment on site and emissions. Commingling will not negatively affect royalties to the BLM.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Revised_BLM_Pool___Lease_Commingling_Sundry_Request_20250311141845.pdf

Conditions of Approval

Specialist Review

Surface_Commingling_COA_20250415190903.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHRISTINA OPFER **Signed on:** MAR 11, 2025 02:19 PM

Name: KAISER FRANCIS OIL COMPANY

Title: Regulatory Manager

Street Address: 6733 S YALE AVENUE

City: TULSA **State:** OK

Phone: (918) 491-4468

Email address: CHRISTINAO@KFOC.NET

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752345972 **BLM POC Email Address:** jshepard@blm.gov

Disposition: Approved **Disposition Date:** 04/15/2025

Signature: Jonathon Shepard

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. MULTIPLE

6. If Indian, Allottee or Tribe Name MULTIPLE

7. If Unit of CA/Agreement, Name and/or No. MULTIPLE

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. MULTIPLE

2. Name of Operator KAISER FRANCIS OIL COMPANY

9. API Well No. MULTIPLE

3a. Address 6733 S. Yale Ave., Tulsa, OK 74121

3b. Phone No. *(include area code)* (918) 491-0000

10. Field and Pool or Exploratory Area MULTIPLE

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* MULTIPLE

11. Country or Parish, State MULTIPLE

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Kaiser-Francis Oil Company requests to commingle production at Red Hills Facility Pad 2, NMNM126620, under 43 CFR 3173.14.a.1.i.
Commingling will reduce equipment on site and emissions. Commingling will not negatively affect royalties to the BLM.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* CHRISTINA OPFER / Ph: (918) 491-4468

Title Regulatory Manager

Signature (Electronic Submission)

Date 03/11/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by JONATHON W SHEPARD / Ph: (575) 234-5972 / Approved

Title Petroleum Engineer

Date 04/16/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

RED HILLS FEDERAL 006H, US Well Number: 300254699300S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 005H, US Well Number: 300254699200S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 505H, US Well Number: 300254703100S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 106H, US Well Number: 300254703600S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 404H, US Well Number: 300254703700S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 504H, US Well Number: 300254703800S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 406H, US Well Number: 300254703900S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 206H, US Well Number: 300254718200S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 606H, US Well Number: 300254718500S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 705H, US Well Number: 300254718400S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 706H, US Well Number: 300254718600S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 506H, US Well Number: 300254718900S1, Case Number: NMNM105780582, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 205H, US Well Number: 300254722800S1, Case Number: NMNM105785709, Lease Number: NMNM122620, Operator:KAISER FRANCIS OIL COMPANY

RED HILLS FEDERAL 604H, US Well Number: 300254719000S1, Case Number: NMNM105780582, Lease Number: NMNM122620,

Operator:KAISER FRANCIS OIL COMPANY

KAISER-FRANCIS OIL COMPANY

Surface & Pool Commingling
Red Hills Federal 005H, 006H, 106H, 205H, 206H, 404H, 406H, 504H, 505H, 506H, 604H, 606H 705H, 706H
Section 31 25S-33E & Section 6 26S-33E; 32.24206º N 103.39386º W

1) The CAA won't negatively affect the royalty revenue of the Federal Government.

2) List of Leases, Unit PA, or CAs in the proposed CAA.

CA Lease	Pool	Production to Commingle	Federal Royalty Rates	Distribution
NMNM105785709	Bone Spring	Oil & Gas	12.5%	NMNM122620- 43.75% NMNM015321- 56.25%
NMNM105780582	Wolfcamp	Oil & Gas	12.5%	NMNM122620- 43.75% NMNM015321- 56.25%

MASS Serial Register Pages are attached.

3) Allocation methodology attached in following pages.

4) Topographic map attached in following pages.

5) All leases and CAs in the proposed CAA are capable of producing in paying quantities. Attached is a monthly production plot for the Red Hills Federal 006H to evidence paying quantities status.

6) Gas Analysis
(a) BTU Content included.
(b) Oil Gravities:

		Oil Gravity
Red Hills Federal 205H	30-025-47228	44.4
Red Hills Federal 206H	30-025-47182	44.4
Red Hills Federal 705H	30-025-47184	44.4
Red Hills Federal 706H	30-025-47186	44.4
Red Hills Federal 404H	30-025-47037	46.6
Red Hills Federal 406H	30-025-47039	46.6
Red Hills Federal 504H	30-025-47038	46.6
Red Hills Federal 505H	30-025-47031	46.6
Red Hills Federal 506H	30-025-47189	46.6
Red Hills Federal 604H	30-025-47190	46.6
Red Hills Federal 606H	30-025-47185	46.6
Red Hills Federal 005H	30-025-46992	45.7
Red Hills Federal 006H	30-025-46993	45.7
Red Hills Federal 106H	30-025-47036	45.7

7) FMPs are off lease, located on federal surface, on an approved built facility location.

8) No new surface disturbance is included as part of the proposed CAA.

9) Additional documentation that would be required under 3173.15 (f-j) relating to right of way grant applications: N/A if 8 is correct.

3173.15 (f): Surface use plan not required since there won't be any no new surface disturbance for the FMP.

3173.15 (g): Right of way grant application isn't required since there won't be any new surface disturbance for the FMP.

3173.15 (h): Written approval from surface-management agency isn't required since there won't be any new surface disturbance for the FMP.

3173.15 (i): Right of way grant application isn't required since the surface facility isn't on Indian land.

Kaiser-Francis Oil Company plans to reduce surface footprint and potential emissions sources from an excess of production tanks and equipment on its Red Hills Facility Pad 2, which 3 distinct facilities at present: an Avalon side, a Bone Springs side, and a Wolfcamp side. KFOC would like to surface commingle the different pools as well as the leases, to reduce the number of active production tanks on the site.

The current facility isolates the (3) Avalon wells, (4) Bone Springs wells and (7) Wolfcamp wells, on all 3 phases: oil, gas, and water. It was designed with IP rates in mind, and now that the wells have been online for ~3.5 years and experienced significant decline, it makes sense to further reduce our surface footprint through surface commingling.

Each well flows full well-stream into its own, unique three-phase separator. Gas from each separator goes through separate, electronic flow meters (EFM) for allocation purposes before going to sales meters provided by MPLX. Currently, for gas sales, the Avalon wells are isolated to their own twin sales meters, the Bone Springs wells to their own twin sales meters, and the Wolfcamp to their own twin sales meters. The long-term goal for this facility, as production volumes continue to decline, would be to surface commingle all produced gas into one stream that leaves the production site via sales, delivered via gathering line to centralized compression. Each well would continue to have its own separator and EFMs for allocation purposes, while any flash gas would be metered and allocated based on oil production, as described below.

On the liquid side, the ultimate plan for this facility will involve reducing the total storage tank count by at least 50%, as well as the current heater treater count, which in turn would reduce the current containment space significantly. There are currently 39 production storage tanks and 8 heaters treaters on this site. Each well would continue to have its own unique three-phase separator as described above. At present time, the oil flows from each separator to a shared heater treater (1-2 wells per heater). The oil would be commingled on a trunkline (downstream of allocation Coriolis meters) once leaving the separators and combined to flow into a reduced number of heater treaters, with 1 heater treater serving as a spare and handling LACT divert. The oil would leave the heaters and be commingled in a reduced number of oil tanks.

Water would be handled in a similar fashion to oil described above. Water from each three-phase separator would be metered with individual turbine meters for allocation purposes, before being commingled into a reduced number of common water tanks.

Once commingled oil is stored in common storage tanks, the oil would be pumped and sold via a common LACT, reducing the number of LACT skids from 3 to 1. Similarly, once commingled water is stored in common storage tanks, it would be pumped down the SWD line for disposal, reducing the number of water pumps in the process. KFOC would also replace/upgrade any tanks as needed once the project has been undertaken.

Vent lines on both the oil tanks and water tanks would be upgraded and fabricated to fit the new commingled tank set-up, including vent line to flare. Oil tank vapors from the commingled oil tanks would be collected by a single VRU and allocated based on oil Coriolis allocation meters. Similarly, heater treater vapors would be collected by another VRU. The gas from both tanks and heaters VRUs would be commingled and metered, then allocated based on oil Coriolis allocation meters. Vent line to flare would also be re-routed and upgraded to simplest, most efficient path. The vent header system will also be upgraded as well as the thief hatches on the production tanks. All current slop tanks would be removed, and LACT reject and/or circulating line from the oil tanks would be plumbed to one of the active heater treaters.

Ultimately, this project would see up to 50% of its current tank count and heater count decommissioned and removed from the site. Additionally, 2 LACT skids and multiple water pumps would be decommissioned and removed from the facility.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
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NMNM105419769

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Single Serial Number Report

Authority	**Total Acres**	**Serial Number**
02-25-1920; 041STAT0437; 30USC181, ET SEQ; MINERAL LEASING ACT OF 1920	**838.8000**	**NMNM105419769**
		Legacy Serial No
		NMNM 015321

Product Type: 311211 O&G SIMULTANEOUS PUBLIC DOMAIN LEASE
Commodity: Oil & Gas **Case File Jurisdiction:**
Case Disposition: AUTHORIZED **-** **03/14/1972**

CASE DETAILS

NMNM105419769

MLRS Case Ref	C-8008693				
Case Name					
Unit Agreement Name					
		Split Estate		Fed Min Interest	
Effective Date	04/01/1972	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	12.5%	Future Min Interest Date	
Land Type	Public Domain	Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number	SPAR61	Sale Date		Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual Production
		Total Bonus Amount	0.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS

NMNM105419769

Name & Mailing Address			Interest Relationship	Percent Interest
KAISER-FRANCIS OIL CO	6733 S YALE AVE	TULSA OK 74136-3302	OPERATING RIGHTS	0.000000
KAISER-FRANCIS OIL CO	6733 S YALE AVE	TULSA OK 74136-3302	LESSEE	100.000000
PIONEER EXPLORATION LTD	15603 KUYHENDAHL #219	HOUSTON TX 77090-3655	OPERATING RIGHTS	0.000000

RECORD TITLE

(No Records Found)

OPERATING RIGHTS

(No Records Found)

LAND RECORDS

NMNM105419769

Mer	Twp	Rng	Sec	Survey Type	Survey Number	Subdivision	District / Field Office	County	Mgmt Agency
23	0250S	0330E	031	Aliquot		E2SW,SESE	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	031	Lot		3,4	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0260S	0330E	006	Aliquot		E2,E2W2	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0260S	0330E	006	Lot		1,2,3,4	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

CASE ACTIONS

NMNM105419769

Action Date	Date Filed	Action Name	Action Status	Action Information
	08/26/2024	OVERRIDING ROYALTY	FILED	Payment Amount: 15 Case Action Status Date: 2024-08-26
12/27/1971	12/27/1971	CASE ESTABLISHED	APPROVED/ACCEPTED	Action Remarks: SPAR61;
12/28/1971	12/28/1971	DRAWING HELD	APPROVED/ACCEPTED	
03/14/1972	03/14/1972	LEASE ISSUED	APPROVED/ACCEPTED	
04/01/1972	04/01/1972	EFFECTIVE DATE	APPROVED/ACCEPTED	
04/01/1972	04/01/1972	FUND CODE	APPROVED/ACCEPTED	Action Remarks: 05;145003
04/01/1972	04/01/1972	RLTY RATE - 12 1/2%	APPROVED/ACCEPTED	
12/09/1975	12/09/1975	HELD BY PROD - ACTUAL	APPROVED/ACCEPTED	
04/07/1976	04/07/1976	NOTICE SENT-PROD STATUS	APPROVED/ACCEPTED	
11/01/1984	11/01/1984	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	

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Action Date	Date Filed	Action Name	Action Status	Action Information
12/16/1985	12/16/1985	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
02/19/1986	02/19/1986	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: MESA/KAISER
03/03/1986	03/03/1986	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
03/18/1986	03/18/1986	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
04/28/1986	04/28/1986	ASGN APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/86;
05/13/1986	05/13/1986	CASE MICROFILMED/SCANNED	APPROVED/ACCEPTED	Action Remarks: CNUM 101,342 DS
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (1)EFF 12/01/84;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (4)EFF 04/01/86;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (3)EFF 04/01/86;
07/30/1986	07/30/1986	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: (2)EFF 01/01/85;
12/04/1987	12/04/1987	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: LONQUIST/DGQ PASSIVE
04/07/1988	04/07/1988	ASGN DENIED	APPROVED/ACCEPTED	Action Remarks: MEMORIAL/DGQ PASSIVE
07/08/1988	07/08/1988	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
07/18/1988	07/18/1988	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 08/01/88;
02/01/1989	02/01/1989	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	
03/09/1989	03/09/1989	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/89;
04/02/1991	04/02/1991	BOND ACCEPTED	APPROVED/ACCEPTED	Action Remarks: EFF 03/18/91;NM1867
03/08/1995	03/08/1995	OVERRIDING ROYALTY	APPROVED/ACCEPTED	
06/26/1995	06/26/1995	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: JN E&P/KAISER-FRANCIS
08/17/1995	08/17/1995	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 07/01/95;
07/19/1996	07/19/1996	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: MEMORIAL/WEST TX GAS
10/18/1996	10/18/1996	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MV/MV
10/18/1996	10/18/1996	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 08/01/96;
02/05/2001	02/05/2001	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: JN EXPL/PIONEER EXPL
03/29/2001	03/29/2001	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MV/MV
03/29/2001	03/29/2001	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 03/01/01;
07/24/2003	07/24/2003	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: SHOGRIN, F L;1 Receipt Number: 717846
07/30/2003	07/30/2003	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: SHOGRIN, CAROLYN;1 Receipt Number: 720439
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 1890701
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 1890701
03/20/2009	03/20/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 1890701
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 2026499
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 2026499
10/22/2009	10/22/2009	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 2026499
12/15/2016	12/15/2016	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3723686
01/03/2017	01/03/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3735608
02/03/2017	02/03/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3756851
04/13/2017	04/13/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3808053
05/04/2017	05/04/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3828908
05/04/2017	05/04/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3828908
07/12/2017	07/12/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3886424
07/12/2017	07/12/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3886424
09/14/2017	09/14/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 3977369
09/14/2017	09/14/2017	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 3977369
11/28/2018	11/28/2018	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4318590
12/19/2018	12/19/2018	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4338548
04/16/2019	04/16/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4427380
06/24/2019	06/24/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4489788
10/17/2019	10/17/2019	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4585934
10/31/2019	10/31/2019	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: WEST TEXA/KAISER-FR;1 Receipt Number: 4595570
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4691312
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 8

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Action Date	Date Filed	Action Name	Action Status	Action Information
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 3
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 5
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 6
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 4
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 2
02/18/2020	02/18/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: 7
05/28/2020	05/28/2020	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Receipt Number: 4691312 Action Remarks: AMV
05/28/2020	05/28/2020	TRF OPER RGTS APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 11/01/19;1
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785710
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 5 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 4 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 3 Receipt Number: 4884613
03/25/2021	03/25/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 2 Receipt Number: 4884613
05/20/2021	05/20/2021	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4906065
02/01/2022	02/01/2022	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 5010098
04/24/2023	04/24/2023	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Payment Amount: 15 Case Action Status Date: 2023-04-25

CASE TRANSACTIONS

Transaction Number	Transaction Date	Receipt Number	Transaction Status	Total Amount Received	Refund Date	Refund Amount
CT-44200			Payment Submitted			
CT-100405	8/26/2024	5375654	Payment Submitted	$15.00		

ASSOCIATED AGREEMENT OR LEASE (RECAPITULATION TABLE) INFO

NMNM105419769

Agreement Serial Number	Agreement Legacy Serial Number	Case Disposition	Product Name	Tract No	Commitment Status	Commitment Status Effective Date	Acres	Allocation Percent
NMNM105780581		PENDING		02			40.0000	12.500000
NMNM105780581		PENDING		03			160.0000	50.000000
NMNM105780582		PENDING		02			40.0000	6.250000
NMNM105780582		PENDING		03			320.0000	50.000000
NMNM105785709		PENDING		02			40.0000	6.250000
NMNM105785709		PENDING		03			320.0000	50.000000
NMNM105785710		PENDING		01			318.6800	49.871674
NMNM105785710		PENDING		02			160.1200	25.057903
NMNM105785711		PENDING		02			160.0000	50.000000

ASSOCIATED BONDS

NMNM105419769

MLRS Case Number	Bond Serial Number	Legacy Serial Number	Bond Product	Bond Case Disposition	Bond Amount
C-8334676	NMB105671957	NM1867	BOND - O&G ALL LANDS	CLOSED	$150,000.00

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LEGACY CASE REMARKS

NMNM105419769

Legacy Case Remarks includes remarks made for the case in LR2000 up until March 14, 2022. These Case Remarks will no longer be updated in MLRS. This section of the SRP is obsolete. Please reference the MLRS website for more information and refer to the Case Actions section - Action Information on this report for similar data.

Line Number	Remark Text
0002	03/29/2001 BONDED OPERATOR
0003	KAISER FRANCIS OIL NM1867/NW
0004	05/28/2020 - KAISER FRANCIS OIL CO NMB001686 S/W NM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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NMNM105678968

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Authority	**Total Acres**	**Serial Number**
01-12-1983; 096STAT2447; 30USC188; FED O&G ROYALTY MGT ACT-1982, TITLE IV.	**440.2000**	**NMNM105678968**
		Legacy Serial No
		NMNM 122620

Product Type: 312021 O&G COMPETITIVE PUBLIC DOMAIN LEASE POST 1987
Commodity: Oil & Gas **Case File Jurisdiction:**
Case Disposition: AUTHORIZED **-** **05/29/2009**

CASE DETAILS

NMNM105678968

MLRS Case Ref	C-8259313				
Case Name					
Unit Agreement Name					
		Split Estate		Fed Min Interest	
Effective Date	06/01/2009	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	12.5%	Future Min Interest Date	
Land Type	Public Domain	Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number	200904031	Sale Date	04/22/2009	Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual Production
		Total Bonus Amount	99,225.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS

NMNM105678968

Name & Mailing Address			Interest Relationship	Percent Interest
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 79701	LESSEE	95.000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE	MIDLAND TX 79701-4882	LESSEE	5.000000

RECORD TITLE

(No Records Found)

OPERATING RIGHTS

(No Records Found)

LAND RECORDS

NMNM105678968

Mer	Twp	Rng	Sec	Survey Type	Survey Number	Subdivision	District / Field Office	County	Mgmt Agency
23	0250S	0330E	031	Aliquot		NE,E2NW,NESE, W2SE	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	031	Lot		1-2	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

CASE ACTIONS

NMNM105678968

Action Date	Date Filed	Action Name	Action Status	Action Information
02/26/2009	02/26/2009	CASE ESTABLISHED	APPROVED/ACCEPTED	Action Remarks: 200904031;
04/07/2009	04/07/2009	PROTEST FILED	APPROVED/ACCEPTED	Action Remarks: W ENVR LAW CENTER
04/22/2009	04/22/2009	BID RECEIVED	APPROVED/ACCEPTED	Action Remarks: $99225.00;
04/22/2009	04/22/2009	SALE HELD	APPROVED/ACCEPTED	
05/08/2009	05/08/2009	PROTEST DISMISSED	APPROVED/ACCEPTED	Action Remarks: W ENVR LAW CENTER
05/29/2009	05/29/2009	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: MJD
05/29/2009	05/29/2009	LEASE ISSUED	APPROVED/ACCEPTED	
06/01/2009	06/01/2009	EFFECTIVE DATE	APPROVED/ACCEPTED	
06/01/2009	06/01/2009	FUND CODE	APPROVED/ACCEPTED	Action Remarks: 05;145003
06/01/2009	06/01/2009	RLTY RATE - 12 1/2%	APPROVED/ACCEPTED	
04/18/2011	04/18/2011	ASSIGNMENT OF RECORD TITLE	APPROVED/ACCEPTED	Action Remarks: MARBOB EN/COG OPERA;1 Receipt Number: 2328878
08/11/2011	08/11/2011	ASGN APPROVED	APPROVED/ACCEPTED	Action Remarks: EFF 05/01/2011;
08/11/2011	08/11/2011	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: JS
03/23/2013	03/23/2013	HELD BY PROD - ACTUAL	APPROVED/ACCEPTED	Action Remarks: /1/
03/23/2013	03/23/2013	PRODUCTION DETERMINATION	APPROVED/ACCEPTED	Action Remarks: /1/#2H;

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
Serial Register Page
NMNM105678968

Run Date/Time: 11/6/2024 9:01 AM
Single Serial Number Report

Action Date	Date Filed	Action Name	Action Status	Action Information
04/09/2014	04/09/2014	PRODUCTION DETERMINATION	APPROVED/ACCEPTED	Action Remarks: /1/
04/06/2020	04/06/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4723020
04/29/2020	04/29/2020	TRANSFER OF OPERATING RIGHTS	APPROVED/ACCEPTED	Action Remarks: COG OPERA/KAISER-FR;1 Receipt Number: 4729492
09/17/2020	09/17/2020	OVERRIDING ROYALTY	APPROVED/ACCEPTED	Action Remarks: 1 Receipt Number: 4805808
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785710
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105780582
12/01/2020	12/01/2020	LEASE COMMITTED TO COMMUNITIZATION AGREEMENT	APPROVED/ACCEPTED	Agreement Serial Number: NMNM105785709
04/04/2021	04/04/2021	AUTOMATED RECORD VERIF	APPROVED/ACCEPTED	Action Remarks: DGO
04/04/2021	04/04/2021	TRF OPER RGTS DENIED	APPROVED/ACCEPTED	Action Remarks: TRANSFERS WELLBORES

ASSOCIATED AGREEMENT OR LEASE (RECAPITULATION TABLE) INFO

NMNM105678968

Agreement Serial Number	Agreement Legacy Serial Number	Case Disposition	Product Name	Tract No	Commitment Status	Commitment Status Effective Date	Acres	Allocation Percent
NMNM105780581		PENDING		01			120.0000	37.500000
NMNM105780582		PENDING		01			280.0000	43.750000
NMNM105785709		PENDING		01			280.0000	43.750000
NMNM105785710		PENDING		03			160.2000	25.070423
NMNM105785711		PENDING		01			160.0000	50.000000

LEGACY CASE REMARKS

NMNM105678968

Legacy Case Remarks includes remarks made for the case in LR2000 up until March 14, 2022. These Case Remarks will no longer be updated in MLRS. This section of the SRP is obsolete. Please reference the MLRS website for more information and refer to the Case Actions section - Action Information on this report for similar data.

Line Number	Remark Text
0002	STIPULATIONS ATTACHED TO LEASE:
0003	NM-11-LN SPECIAL CULTURAL RESOURCE
0004	PER ONRR RENTA PAID THRU 06/1/11
0005	04/05/2021 OR TRANSFER DENIED TRANSFERRING WELLBORES

Federal Communitization Agreement

Contract No. NMNM 105785709

THIS AGREEMENT entered into as of the 1st day of December, 2020, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

   E/2 of Section 31 T. 25S, R. 33E, and E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

   Containing 640 acres, and this agreement shall include only the Lower Bone Spring Formation underlying said lands and the natural gas and associated liquid hydrocarbons hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be Kaiser-Francis Oil Company, PO Box 21468, Tulsa, OK, 74121-1468. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

   All proceeds, 8/8ths, attributed to unleased Federal lands included within the CA area are to be paid into the appropriate Unleased Lands Account by the designated operator until the land is leased or ownership is established.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.

7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.

9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is December 1, 2020, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the

grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.

12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.

13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

KAISER-FRANCIS OIL COMPANY
Operator/Lessee

Thomas R. Redman

BY: Thomas R. Redman
TITLE: Executive Vice-President & COO

EXHIBIT "A"

Plat of communitized area covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Well Name/No.

Red Hills Federal 205H API#- 30-025-47228
Red Hills Federal 206H API#- 30-025-47182
Red Hills Federal 705H API#- 30-025-47184
Red Hills Federal 706H API#- 30-025-47186

Township 25 South, Range 33 East
Section 31: E/2

Township 26 South, Range 33 East
Section 6: E/2

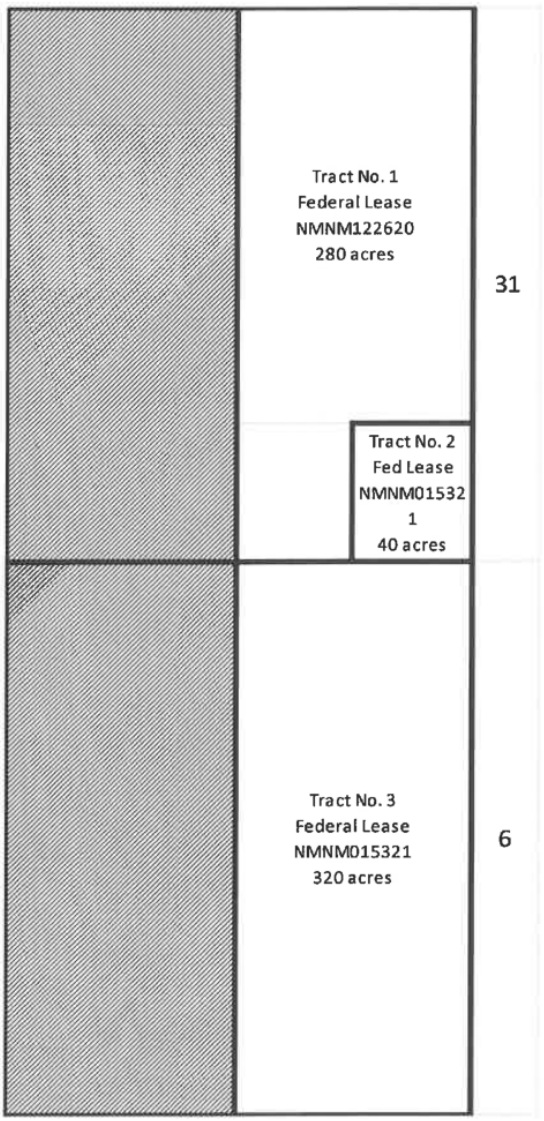


EXHIBIT "B"

To Communitization Agreement Dated December 1, 2020 covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Operator of Communitized Area: Kaiser-Francis Oil Company

DESCRIPTION OF LEASES COMMITTED:

Tract No. 1

Lease Serial No:	NMNM 122620
Lease Date:	May 29, 2009, but effective June 1, 2009
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Marbob Energy Corporation
Present Lessee:	COG Operating LLC Concho Oil & Gas LLC
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: NE/4, NE/4 SE/4, W/2 SE/4
Number of Acres:	280.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	Nestegg Energy Corporation Mongoose Minerals, LLC
Name WI Owners:	COG Operating, LLC Concho Oil & Gas, LLC

Tract No. 2

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: SE/4 SE/4
Number of Acres:	40.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes

Bourke C. Harvey
BPL Fish Pond, LLC
Brook B. Roberts
Cargoil & Gas Co., LLC
E.M. Farha
E.M. Thompson Corporation Profit Sharing Plan
Elizabeth Ann Cline
Elizabeth Trudeau Overly
Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Operating, LLC
Federal Deposit Insurance Corporation, as bank liquidator for the First National Bank of Midland
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
George M. O'Brien
J. Michael Feagan
J. Noel Sikes
J.C. Shaw
Jack W. Young
James H. Essman
James R. Dellinger, Jr.
Joe Feagan
JST Troschinetz Corporation Profit Sharing Plan
JSTM Properties, Ltd.
Kaiser-Francis Charitable Income Trust Q
KanTech Properties, LLC
Lani Investments, LLC
Llano Natural Resources, LLC
Lloyd Scott Piercy
Matthew David Oakes
McMullen Minerals, LLC
Merih Energy, LLC
Millis Jeffrey Oakes
Milton R. Fry
Momentum Minerals Operating, LP
Montego Capital Fund 3, Ltd.
Octavia H. Liefeste
Pamela Renee Doggett
Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC

	Pony Oil Operating, LLC Richard Oldham Shogoil and Gas Co. II, LLC Speyside Resources, LLC Stephen William Oakes Sue Armstrong Suncrest Resources, LLC TD Minerals, LLC The Holman M.C. Harvey Trust U/W William Y Harvey, Sr. Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke, dated November 19, 2004 Warlauf, LP Williams Y. Harvey, Jr. Wing Resources III, LLC YMC Royalty Company, L.P.
Name WI Owners:	Atlas OBO Energy, LP Kaiser-Francis Oil Company

Tract No. 3

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T26S, R33E, N.M.P.M.** Section 6: E/2
Number of Acres:	320.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes Bourke C. Harvey BPL Fish Pond, LLC Brook B. Roberts Cargoil & Gas Co., LLC E.M. Farha E.M. Thompson Corporation Profit Sharing Plan Elizabeth Ann Cline Elizabeth Trudeau Overly

Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Partners, LLC
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
George M. O'Brien
J. Michael Feagan
J. Noel Sikes
J.C. Shaw
Jack W. Young
James H. Essman
James R. Dellinger, Jr.
Joe Feagan
JST Troschinetz Corporation Profit Sharing Plan
JSTM Properties, Ltd.
Kaiser-Francis Charitable Income Trust Q
KanTech Properties, LLC
Lani Investments, LLC
Llano Natural Resources, LLC
Lloyd Scott Piercy
Matthew David Oakes
McMullen Minerals, LLC
Merih Energy, LLC
Millis Jeffrey Oakes
Milton R. Fry
Momentum Minerals Operating, LP
Montego Capital Fund 3, Ltd.
Octavia H. Liefeste
Pamela Renee Doggett
Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC
Pony Oil Operating, LLC
Richard Oldham
Shogoil and Gas Co. II, LLC
Speyside Resources, LLC
Stephen William Oakes
Sue Armstrong
Suncrest Resources, LLC
TD Minerals, LLC
The Holman M.C. Harvey Trust U/W William Y Harvey, Sr.
Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke,

dated November 19, 2004
Warlauf, LP
Williams Y. Harvey, Jr.
Wing Resources III, LLC
Name WI Owners: Kaiser-Francis Oil Company

RECAPITUALATION

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	280.00	43.750000%
2	40.00	6.250000%
3	320.00	50.000000%
TOTAL	**640.00**	**100.000000%**

Federal Communitization Agreement

Contract No. NMNM 105780582

THIS AGREEMENT entered into as of the 1st day of December, 2020, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

   E/2 of Section 31 T. 25S, R. 33E, and E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

   Containing 640 acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the natural gas and associated liquid hydrocarbons hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be Kaiser-Francis Oil Company, PO Box 21468, Tulsa, OK, 74121-1468. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.

4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

   All proceeds, 8/8ths, attributed to unleased Federal lands included within the CA area are to be paid into the appropriate Unleased Lands Account by the designated operator until the land is leased or ownership is established.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.

7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.

9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is December 1, 2020, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the

grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.

12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.

13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

KAISER-FRANCIS OIL COMPANY
Operator/Lessee

Thomas R. Redman

BY: Thomas R. Redman
TITLE: Executive Vice-President & COO

EXHIBIT "A"

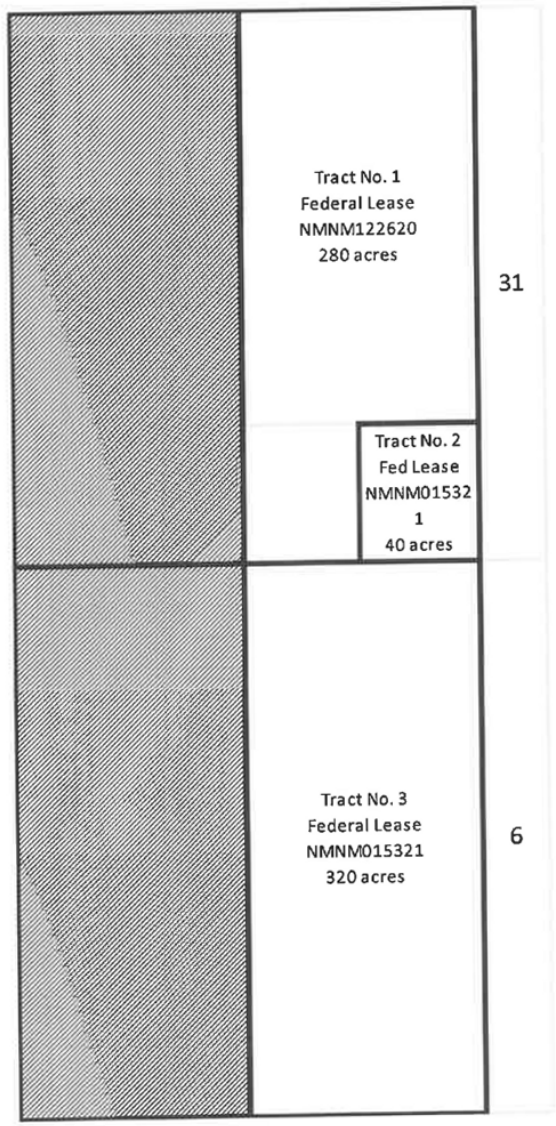
Plat of communitized area covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Well Name/No.

Red Hills Federal 404H API#- 30-025-47037
Red Hills Federal 406H API#- 30-025-47039
Red Hills Federal 504H API#- 30-025-47038
Red Hills Federal 505H API#- 30-025-47031
Red Hills Federal 506H API#- 30-025-47189
Red Hills Federal 604H API#- 30-025-47190
Red Hills Federal 606H API#- 30-025-47185

Township 25 South, Range 33 East
Section 31: E/2

Township 26 South, Range 33 East
Section 6: E/2



Communitization Agreement
404H, 406H, 504H, 505H, 506H, 604H, 606H

EXHIBIT "B"

To Communitization Agreement Dated December 1, 2020 covering 640.00 acres, being the E/2 of Section 31 T. 25S, R. 33E, AND E/2 of Section 6 T. 26S, R. 33E, Lea County, New Mexico;

Operator of Communitized Area: Kaiser-Francis Oil Company

DESCRIPTION OF LEASES COMMITTED:

Tract No. 1

Lease Serial No:	NMNM 122620
Lease Date:	May 29, 2009, but effective June 1, 2009
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Marbob Energy Corporation
Present Lessee:	COG Operating LLC Concho Oil & Gas LLC
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: NE/4, NE/4 SE/4, W/2 SE/4
Number of Acres:	280.00 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	Nestegg Energy Corporation Mongoose Minerals, LLC
Name WI Owners:	COG Operating, LLC Concho Oil & Gas, LLC

Tract No. 2

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T25S, R33E, N.M.P.M.** Section 31: SE/4 SE/4
Number of Acres:	40 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes

Bourke C. Harvey
BPL Fish Pond, LLC
Brook B. Roberts
Cargoil & Gas Co., LLC
E.M. Farha
E.M. Thompson Corporation Profit Sharing Plan
Elizabeth Ann Cline
Elizabeth Trudeau Overly
Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Operating, LLC
Federal Deposit Insurance Corporation, as bank liquidator for the First National Bank of Midland
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
George M. O'Brien
J. Michael Feagan
J. Noel Sikes
J.C. Shaw
Jack W. Young
James H. Essman
James R. Dellinger, Jr.
Joe Feagan
JST Troschinetz Corporation Profit Sharing Plan
JSTM Properties, Ltd.
Kaiser-Francis Charitable Income Trust Q
KanTech Properties, LLC
Lani Investments, LLC
Llano Natural Resources, LLC
Lloyd Scott Piercy
Matthew David Oakes
McMullen Minerals, LLC
Merih Energy, LLC
Millis Jeffrey Oakes
Milton R. Fry
Momentum Minerals Operating, LP
Montego Capital Fund 3, Ltd.
Octavia H. Liefeste
Pamela Renee Doggett
Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC

	Pony Oil Operating, LLC Richard Oldham Shogoil and Gas Co. II, LLC Speyside Resources, LLC Stephen William Oakes Sue Armstrong Suncrest Resources, LLC TD Minerals, LLC The Holman M.C. Harvey Trust U/W William Y Harvey, Sr. Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke, dated November 19, 2004 Warlauf, LP Williams Y. Harvey, Jr. Wing Resources III, LLC YMC Royalty Company, L.P.
Name WI Owners:	Atlas OBO Energy, LP Kaiser-Francis Oil Company

Tract No. 3

Lease Serial No:	NMNM 015321
Lease Date:	March 14, 1972, but effective April 1, 1972
Recorded:	Unrecorded
Lease Term:	Ten (10) years
Original Lessor:	United States of America
Original Lessee:	Gerald J. Starika
Present Lessee:	Kaiser-Francis Oil Company
Description of Land Committed:	**T26S, R33E, N.M.P.M.** Section 6: E/2
Number of Acres:	320 acres
Basic Royalty Rate:	1/8th
Name ORRI Owners:	AmericaWest Resources, LLC Barbara Bemis Duke Benjamin Jacob Oakes Bourke C. Harvey BPL Fish Pond, LLC Brook B. Roberts Cargoil & Gas Co., LLC E.M. Farha E.M. Thompson Corporation Profit Sharing Plan Elizabeth Ann Cline Elizabeth Trudeau Overly

Ellis Carla Smith
Estate of Gayle A. Dalton, Deceased
F.K. Cahoon Partners, LLC
Fortis Minerals II, LLC
Frank A. Ford, Trustee for Ford Group Four
GBK Corporation
George M. O'Brien
J. Michael Feagan
J. Noel Sikes
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Lloyd Scott Piercy
Matthew David Oakes
McMullen Minerals, LLC
Merih Energy, LLC
Millis Jeffrey Oakes
Milton R. Fry
Momentum Minerals Operating, LP
Montego Capital Fund 3, Ltd.
Octavia H. Liefeste
Pamela Renee Doggett
Paul D. Gurley
PD III Exploration, LTD
Pegasus Resources, LLC
Pony Oil Operating, LLC
Richard Oldham
Shogoil and Gas Co. II, LLC
Speyside Resources, LLC
Stephen William Oakes
Sue Armstrong
Suncrest Resources, LLC
TD Minerals, LLC
The Holman M.C. Harvey Trust U/W William Y Harvey, Sr.
Thomas J. Depke and Marilyn A. Depke, as Trustees U/I of Thomas J. Depke,

dated November 19, 2004
Warlauf, LP
Williams Y. Harvey, Jr.
Wing Resources III, LLC
Name WI Owners: Kaiser-Francis Oil Company

RECAPITUALATION

Tract Number	Number of Acres Committed	Percentage of Interest in Communitized Area
1	280	43.750000%
2	40	6.250000%
3	320	50.000000%
TOTAL	**640.00**	**100.000000%**

Red Hills Facility Pad 2 – Prorated Allocation

GAS ALLOCATION

Each well has a Wellhead (WH) meter and a Gas Lift (GL) meter. The CTB has (6) Sales Meters that measure the volume of gas that leaves the CTB, 2 twin meters apiece on the Avalon side, Bone Springs side and Wolfcamp side of the CTB. These Sales meters (CTB Sales) are considered FMPs. This CTB has 2 different drilling pads that feed into it: Drilling Pad 7 which has (10) wellheads and Drilling Pad 8 which has (4) wellheads. There are (2) INJ meters that measure gas coming back to the pads from the discharge of the centralized compressor station, 1 apiece for each of drilling pads 7 and 8. These INJ meters are considered FMPs.

1. Net CTB Gas is the volume of lease gas produced/sold from the CTB. Net CTB Gas is calculated by subtracting HPGL INJ & VRU volume from the CTB Sales.
2. Each well's theoretical gas production is calculated by subtracting the well's GL meter volume from the WH meter volume.
3. Each well's gas production allocation percentage is calculated by dividing the well's theoretical gas production by the sum of all well theoretical gas production volumes.
4. Well Net CTB Gas is calculated by multiplying each well's gas production allocation percentage by Net CTB Gas volume.
5. HP flare volume for each well is calculated by multiplying each well's gas production allocation percentage by the HP flare meter volume.
6. VRU Meter measures the gas recovered from the oil tanks and heater treaters. Well VRU volume is determined by oil production. Each well's oil production allocation percentage is multiplied by the VRU meter to determine the well VRU volume.
7. Total Net FMP Gas Volume is the total volume sold from the CTB to the gathering line. Total Net FMP Gas is calculated by adding VRU volume and Net CTB Gas.
8. Total Allocated Gas Production for each well is calculated by adding the Net CTB Gas, HP flare, Lease Use, and VRU volume

OIL ALLOCATION

Each well has an oil meter measuring the volume of oil produced by the well. The volume measured by a well's oil meter is used to allocate the total production and the total sales (FMP) back to each well.

1. Allocated CTB Production is the volume of oil produced by the CTB and is calculated by subtracting the beginning inventory from the sum of the ending tank inventory and the pipeline LACT volume.
2. Theoretical Oil Production % is calculated by dividing each oil meter volume into the sum of oil meters.
3. Allocated Production is calculated by multiplying Theoretical Oil Production % by Allocated CTB Production

4. Total Allocated Oil Sales are calculated using the first-in, first-out (FIFO) method. The beginning inventory is the previous accounting period's Ending Tank Inventory.
5. The first step to calculating a well's Total Allocated Oil Sales is to calculate the Theoretical Beginning Tank Inventory % for each well by dividing the well's Beginning Tank Inventory by the total CTB Beginning Tank Inventory.
6. If the Oil Sales (FMP) volume is less than or equal to the CTB Beginning Tank Inventory, multiply the Theoretical Beginning Tank Inventory % by the Oil Sales (FMP) volume to get the Beginning Tank Inventory Sales volume.
7. If the Oil Sales (FMP) volume is greater than the CTB Beginning Tank Inventory, the New Inventory Oil Sales is calculated by multiplying the difference between the Oil Sales and Beginning Tank Inventory Sales by the Theoretical Oil Production %.
8. Total Allocated Oil Sales is the sum of Beginning Tank Inventory Sales and New Inventory Oil Inventory Sales.

WATER ALLOCATION

Each well has a water meter that measures the volume of water produced by the well. The volume measured by a well's water meter is used to allocate the total production and total disposed volume back to each well.

1. Allocated CTB Water Production is the volume of water produced by the CTB and is calculated by subtracting the beginning inventory from the sum of the ending tank inventory and the Water Transfer Meter (Disposal Volume).
2. Theoretical Water Production % is calculated by dividing each well's water meter volume by the sum of the water meters.
3. Allocated Water Production is calculated by multiplying Theoretical Water Production % by Allocated CTB Water Production.
4. Disposed Water Volume is calculated using the first-in, first-out (FIFO) method. The beginning inventory is the previous accounting period's Ending Tank Inventory.
5. The first step to calculating a well's Total Disposed Water Volume is to calculate the Theoretical Beginning Tank Inventory % for each well by dividing the well's Beginning Tank Inventory by the total CTB Beginning Tank Inventory.
6. If the Water Transfer Meter (Disposal) volume is less than or equal to the CTB Beginning Tank Inventory, multiply the Theoretical Beginning Tank Inventory % by the Water Transfer Meter volume to get the Beginning Tank Inventory Disposal volume.
7. If the Water Transfer Meter volume is greater than CTB Beginning Tank Inventory, the New Water Inventory Disposal is calculated by multiplying the difference between the Water Transfer Meter Volume and Beginning Tank Inventory Sales by Theoretical Water Production %.
8. Total Disposed Water Volume is the sum of Beginning Tank Inventory Disposal and New Inventory Disposal Volume.

EXAMPLE OF PROPOSED GAS ALLOCATION

Meter Name	ID	Reading/Calc
CTB Sales (FMP)	T193581806	29,309.50
	T193581807	
	T193884834	
	T193884845	
	T215149890	
	T215149889	
HPGL INJ (FMP)	T200400068	5,947.77
	T200399497	
HP Flare Meter	F09027	20.00
VRU (tanks)	T213843349	42.98
VRU (heater)	T213843352	33.22
Lease Use		80.52
Net CTB Gas		23,285.53
Allocated Production		23,462.25
Total Net FMP Gas		23,361.73

Well Name	Lease # NMNM	WH Meter ID	WH Meter Volume	GL Meter ID	GL Meter Volume	Theo Gas Production	Hours On	Production Allocation %	Net CTB Gas	HP Flare	Lease Use	VRU	Allocated Production	Total Net FMP Gas
Red Hills Federal 205H	NMNM122620	T202610595	1,471.60	T211224891	492.66	978.94	24	4.13%	962.42	0.83	5.751	4.29	973.29	966.71
Red Hills Federal 206H	NMNM122620	T202610606	1,171.90	T211224899	576.20	595.70	24	2.52%	585.65	0.50	5.751	4.29	596.19	589.93
Red Hills Federal 705H	NMNM122620	T213239138	2,538.13	T214948576	0.00	2,538.13	24	10.72%	2,495.29	2.14	5.751	4.33	2,507.52	2,499.62
Red Hills Federal 706H	NMNM122620	T214246097	2,571.90	T214948570	0.00	2,571.90	24	10.86%	2,528.49	2.17	5.751	4.98	2,541.39	2,533.47
Red Hills Federal 404H	NMNM122620	T202610593	1,495.98	T201004104	716.45	779.53	24	3.29%	766.37	0.66	5.751	4.74	777.53	771.12
Red Hills Federal 406H	NMNM122620	T202610598	1,270.65	T211224925	767.68	502.97	24	2.12%	494.48	0.42	5.751	4.30	504.96	498.78
Red Hills Federal 504H	NMNM122620	T202610592	1,860.81	T213742665	748.29	1,112.52	24	4.70%	1,093.74	0.94	5.751	6.15	1,106.58	1,099.89
Red Hills Federal 505H	NMNM122620	T202610601	1,417.74	T213742661	705.60	712.14	24	3.01%	700.12	0.60	5.751	4.59	711.07	704.71
Red Hills Federal 506H	NMNM122620	T202610591	1,482.96	T213742664	668.29	814.67	24	3.44%	800.92	0.69	5.751	5.63	812.99	806.55
Red Hills Federal 604H	NMNM122620	T202610589	1,699.00	T213742663	312.82	1,386.18	24	5.85%	1,362.78	1.17	5.751	5.70	1,375.41	1,368.49
Red Hills Federal 606H	NMNM122620	T202610600	1,623.60	T201004106	710.66	912.94	24	3.85%	897.53	0.77	5.751	5.08	909.13	902.61
Red Hills Federal 005H	NMNM122620	T211023258	4,168.78	T214948546	0.00	4,168.78	24	17.60%	4,098.42	3.52	5.751	6.58	4,114.27	4,105.00
Red Hills Federal 006H	NMNM122620	T214246094	3,304.28	T214948582	0.00	3,304.28	24	13.95%	3,248.51	2.79	5.751	9.45	3,266.50	3,257.96
Red Hills Federal 106H	NMNM122620	T214245612	3,306.61	T214948553	0.00	3,306.61	24	13.96%	3,250.80	2.79	5.751	6.09	3,265.44	3,256.89
Total			29,383.94		5,698.65	23,685.29	336	100.00%	23,285.53	20.00	80.520	76.20	23,462.25	23,361.73

ID	IDENTIFICATION	Unique number assinged to each meter used to measure gas.
WH METER	WELLHEAD	Measures the volume of gas that leaves a well's separator.
GL METER	GAS LIFT	Measures the volume of gas that is injected into a well for gas lift.
Theo Gas Production		Formula to calculate the volume of native gas produced from the well. (WH-GL)
Hours On		Number of hours the well produced, used to allocate Lease Use gas.
Net CTB Gas		Formula to calculate the volume of gas for royalty purposes. HPGL INJ Gas is subtracted from the CTB Sales FMP.
HPGL INJ (FMP)	Multiple Meters	Meters that measure the volume of gas-lift gas that comes back to the wells for gas lift injection via centralized field compression.
CTB Sales (FMP)	Multiple Meters	Meters that measures the volume of gas that leaves the CTB.
HP Flare	HIGH PRESSURE FLARE	Measures the high pressure flare from the CTB
CTB	CENTRAL TANK BATTERY	A group of wells producing into shared FMPs.
VRU	VAPOR RECOVERY UNIT	Measures gas vapors recovered from oil tanks and heaters. Allocated based on oil production
Allocated Production		Total gas produced from the CTB. Calculated by Net CTB Gas + HP Flare + Lease Use + VRU
Total Net FMP Gas		Total gas sold from CTB. Calculated by Net CTB Gas + VRU
Lease Use		Gas that is used to operate CTB equipment (heaters, pilot).

EXAMPLE OF PROPOSED OIL ALLOCATION

Pipeline LACT (FMP)	2,518.00
Beginning Oil Inventory	1,333.23
Ending Oil Inventory	1,260.22
CTB Oil Production	2,444.99

Well Name	Oil Meter	Oil Production %	Allocated Prod	BEG Inv	% Of Beginning Inventory	BEG Tank Inv Sales	New Inv Oil Sales	Total Allocated Sales	END Inv
Red Hills Federal 205H	140.85	5.63%	137.77	80.74	6.06%	80.74	66.76	147.50	71.01
Red Hills Federal 206H	140.60	5.62%	137.52	80.39	6.03%	80.39	66.64	147.03	70.88
Red Hills Federal 705H	142.00	5.68%	138.89	76.75	5.76%	76.75	67.30	144.05	71.59
Red Hills Federal 706H	163.24	6.53%	159.66	92.88	6.97%	92.88	77.37	170.25	82.30
Red Hills Federal 404H	155.59	6.22%	152.18	51.00	3.83%	51.00	73.74	124.74	78.44
Red Hills Federal 406H	141.15	5.65%	138.06	56.56	4.24%	56.56	66.90	123.46	71.16
Red Hills Federal 504H	201.72	8.07%	197.30	76.35	5.73%	76.35	95.61	171.96	101.70
Red Hills Federal 505H	150.65	6.03%	147.35	53.08	3.98%	53.08	71.40	124.48	75.95
Red Hills Federal 506H	184.68	7.39%	180.64	70.69	5.30%	70.69	87.53	158.22	93.10
Red Hills Federal 604H	187.09	7.48%	182.99	69.60	5.22%	69.60	88.67	158.27	94.32
Red Hills Federal 606H	166.59	6.66%	162.94	62.62	4.70%	62.62	78.96	141.58	83.98
Red Hills Federal 005H	215.88	8.64%	211.15	155.70	11.68%	155.70	102.32	258.02	108.83
Red Hills Federal 006H	309.86	12.40%	303.07	257.30	19.30%	257.30	146.86	404.16	156.21
Red Hills Federal 106H	199.84	7.99%	195.46	149.57	11.22%	149.57	94.72	244.29	100.75
Total	2,499.74	100%	2,444.99	1,333.23	1.00	1333.23	1184.77	2518	1260.22

Oil Meter	Measures the volume of oil that leaves a well's separator.
Oil Production %	Theoretical Oil Production %, calculated by dividing the Oil Meter volume by the sum of all Oil Meter volumes.
Allocated Production	Calculated by multiplying the Oil Production % by the CTB Oil Production
CTB Production	Calculation to determine the volume produced by the CTB during accounting period. (Ending Inventory - Beginning Inventory + Oil Sales)
% of Beginning Inventory	Calculated by dividing a well's Beginning Tank Inventory by the CTB Beginning Tank Inventory.
Beginning Tank Inventory Sales	If the Oil Sales (FMP) volume is less than or equal to the CTB Beginning Tank Inventory, multiply % of Beginning Tank Inventory by the Oil Sales (FMP) volume to get the Beginning Tank Inventory Sales volume.
New Inventory Oil Sales	If Oil Sales (FMP) volume exceeds CTB Beginning Tank Inventory, New Inventory Oil Sales is calculated by multiplying the difference between Oil Sales and Beginning Tank Inventory Sales by Oil Production %.
Oil Sales	Volume measured by the Pipeline LACT (FMP), which is sold to purchaser
Total Allocated Sales	The total Oil Sales measured by the Pipeline LACT (FMP) which is allocated to each well by summing Beginning Tank Inventory Sales and New Inventory Oil Sales.
Beginning Tank Inventory	Inventory from previous accounting period's calculated Ending Inventory. If CTB is new, Beginning Inventory is zero.
Ending Tank Inventory	Calculated Inventory based on Allocated production, Total Allocated Sales, and Beginning Tank Inventory, (Beginning Tank Inventory - Total Allocated Sales + Allocated Production)

EXAMPLE OF PROPOSED WATER ALLOCATION

Water Transfer Meter	7,967.00
Beginning Water Inventory	3,697.24
Ending Water Inventory	3,501.24
CTB Production	7,771.00

Well Name	Water Meter	Water Production %	Allocated Prod	BEG Inv	% Of Beginning Inventory	BEG Tank Inv Disposal	New Water Inv Disposal	Total Disposal	END Inv
Red Hills Federal 205H	225.00	2.82%	218.97	74.48	2.01%	74.48	120.31	194.79	98.66
Red Hills Federal 206H	246.00	3.08%	239.41	81.01	2.19%	81.01	131.54	212.55	107.87
Red Hills Federal 705H	530.00	6.64%	515.80	167.50	4.53%	167.50	283.40	450.90	232.39
Red Hills Federal 706H	589.00	7.38%	573.21	192.53	5.21%	192.53	314.95	507.48	258.26
Red Hills Federal 404H	705.00	8.83%	686.11	430.85	11.65%	430.85	376.98	807.83	309.13
Red Hills Federal 406H	610.00	7.64%	593.65	391.38	10.59%	391.38	326.18	717.56	267.47
Red Hills Federal 504H	607.00	7.60%	590.73	423.34	11.45%	423.34	324.58	747.92	266.16
Red Hills Federal 505H	484.00	6.06%	471.03	309.36	8.37%	309.36	258.81	568.17	212.22
Red Hills Federal 506H	494.00	6.19%	480.76	327.56	8.86%	327.56	264.15	591.71	216.61
Red Hills Federal 604H	721.00	9.03%	701.68	491.58	13.30%	491.58	385.53	877.11	316.14
Red Hills Federal 606H	626.00	7.84%	609.22	430.41	11.64%	430.41	334.74	765.15	274.49
Red Hills Federal 005H	694.00	8.69%	675.40	119.63	3.24%	119.63	371.10	490.73	304.30
Red Hills Federal 006H	1,049.00	13.14%	1,020.89	182.67	4.94%	182.67	560.92	743.59	459.96
Red Hills Federal 106H	405.00	5.07%	394.15	74.94	2.03%	74.94	216.56	291.50	177.58
Total	7,985.00	100%	7,771.00	3,697.24	1.00	3697.24	4269.76	7967	3501.24

Water Meter	Measures the volume of water that leaves a well's separator.
Water Production %	Theoretical Water Production %, calculated by dividing the Water Meter volume by the sum of all Water Meter volumes.
Allocated Production	Calculated by multiplying the Water Production % by the CTB Water Production
CTB Production	Calculation to determine the volume produced by the CTB during accounting period. (Ending Inventory - Beginning Inventory + Disposal Volume)
% of Beginning Inventory	Calculated by dividing a well's Beginning Tank Inventory by the CTB Beginning Tank Inventory.
Beginning Tank Inventory Disposal	If the Disposal Vol. is less than or equal to the CTB Beginning Tank Inventory, multiply % of Beginning Tank Inventory by the Water Transfer volume to get the Beginning Tank Inventory Sales volume.
New Water Inventory Disposal	If Disposal exceeds CTB Beginning Tank Inventory, New Water Inventory Disposal is calculated by multiplying the difference between Disposal Vol. and Beginning Tank Inventory Sales by Water Production %.
Disposal Volume	Volume measured the Water Transfer Meter which leaves the CTB for disposal.
Total Disposal	The total Disposal Volime measured by the Water Transfer Meter which is allocated to each well by summing Beginning Tank Inventory Disposal and New Water Inventory Disposal.
Beginning Tank Inventory	Inventory from previous accounting period's calculated Ending Inventory. If CTB is new, Beginning Inventory is zero.
Ending Tank Inventory	Calculated Inventory based on Allocated production, Total Allocated Sales, and Beginning Tank Inventory, (Beginning Tank Inventory - Total Disposal + Allocated Production)

KAISER-FRANCIS OIL COMPANY P.O. BOX 21468 TULSA, OKLAHOMA 74121-1468
6733 South Yale Avenue, 74136
(918) 494-0000
Fax: (918) 491-4385

3c. All meters comply with BLM regulations.

All allocation meters installed shall comply with the Bureau of Land Management (BLM) Facility Measurement Point (FMP) regulations, specifically as outlined in **43 CFR 3175**, and shall meet the applicable American Petroleum Institute (API) standards, including **API MPMS Chapter 14.3 (Orifice Metering of Natural Gas)** and **API MPMS Chapter 21.1 (Flow Measurement Using Electronic Metering Systems)**. These regulations and standards ensure that all measurement devices meet federal accuracy requirements and industry best practices for the allocation and reporting of production data.

Steve Ledford
Gas Measurement Supervisor
KAISER-FRANCIS OIL COMPANY

130 RED HILLS 006H

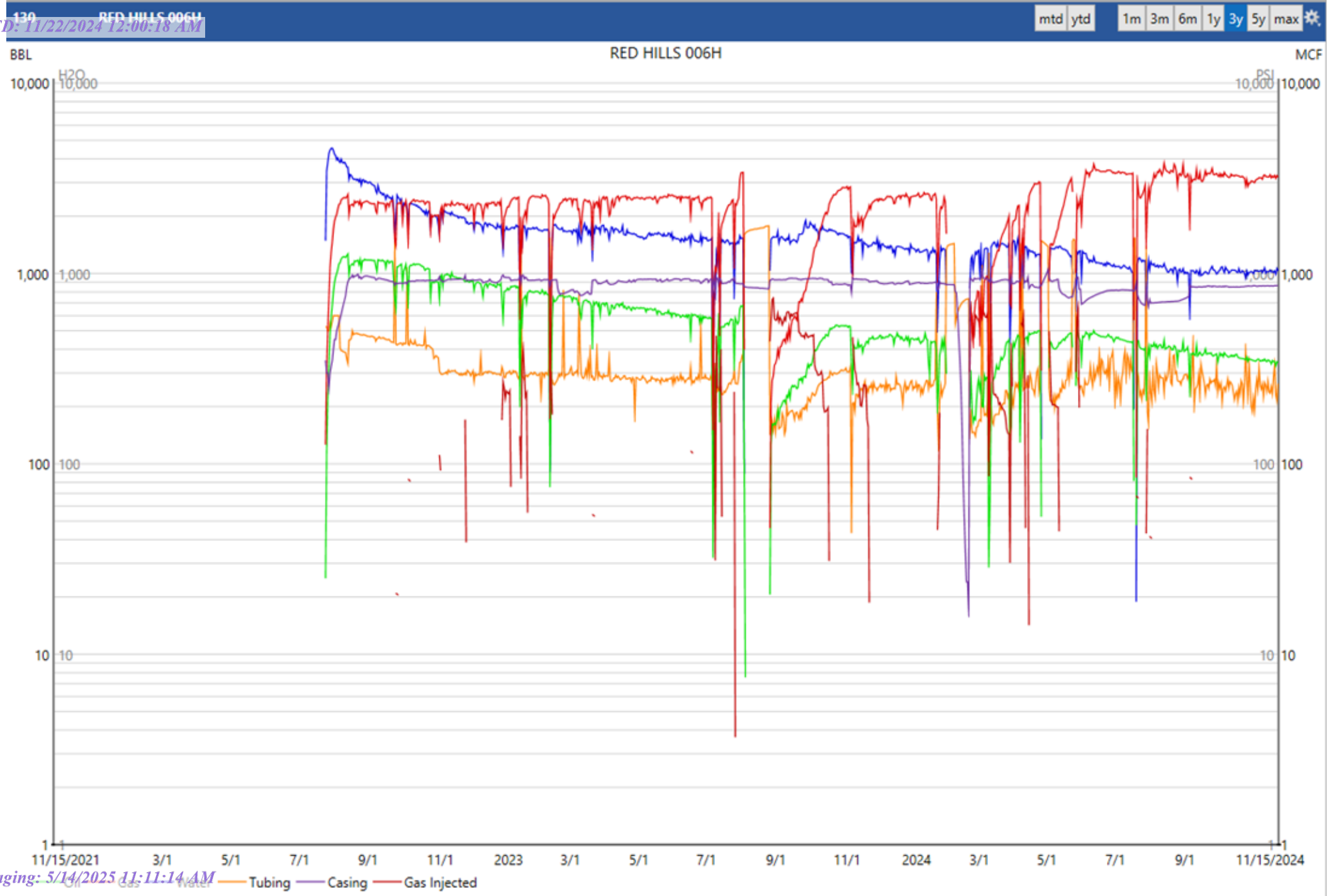
Month	Days On	Days Injected	Oil Production	Gas Injection	Gas Production	MMBTU	Water Production
Sep, 2024	30	0	10,749		99,632	99,632	30,904
Aug, 2024	31	0	11,843	86	101,859	101,859	31,791
Jul, 2024	30	0	11,474	310	84,568	84,568	30,739
Jun, 2024	30	0	13,735		104,575	104,575	33,478
May, 2024	29	0	12,952	2,020	79,028	79,028	35,971
Apr, 2024	24	0	10,223	2,787	54,454	54,454	30,242
Mar, 2024	31	0	10,189	6,812	52,016	52,016	39,178
Feb, 2024	18	0	3,893	9,835	21,967	21,967	20,647
Jan, 2024	23	0	8,532	314	52,001	52,001	27,041
Dec, 2023	31	0	14,042		79,739	79,739	41,769
Nov, 2023	30	0	13,142	3,183	70,023	70,023	42,823
Oct, 2023	31	0	15,067	2,799	77,604	77,604	49,589
Sep, 2023	30	0	8,839	15,278	42,842	42,842	49,046
Aug, 2023	15	0	2,483	8,928	14,485	14,485	22,803
Jul, 2023	25	0	12,932	1,176	54,056	54,056	33,666
Jun, 2023	30	0	15,731	942	67,395	67,395	42,249
May, 2023	31	0	19,046		77,819	77,819	48,867
Apr, 2023	30	0	19,713		75,069	75,069	48,428
Mar, 2023	31	0	20,630	55	71,720	71,720	52,145
Feb, 2023	28	0	19,150	504	61,272	61,272	44,775
Jan, 2023	31	0	23,502	1,811	74,250	74,250	51,595
Dec, 2022	31	0	25,747	1,926	71,856	71,856	53,900
Nov, 2022	30	0	27,551	216	68,170	68,170	57,993
Oct, 2022	31	0	30,405	206	69,277	69,277	64,567
Sep, 2022	30	0	31,321	106	65,974	65,974	71,482
Aug, 2022	31	0	35,140		66,955	66,955	96,685
Jul, 2022	17	0	12,893		26,655	26,655	66,730

Red Hills Federal Commingling Lease Map

Well Name	API#
Red Hills Federal 005H	30-025-46992
Red Hills Federal 006H	30-025-46993
Red Hills Federal 106H	30-025-47036
Red Hills Federal 205H	30-025-47228
Red Hills Federal 206H	30-025-47182
Red Hills Federal 404H	30-025-47037
Red Hills Federal 406H	30-025-47039
Red Hills Federal 504H	30-025-47038
Red Hills Federal 505H	30-025-47031
Red Hills Federal 506H	30-025-47189
Red Hills Federal 604H	30-025-47190
Red Hills Federal 606H	30-025-47185
Red Hills Federal 705H	30-025-47184
Red Hills Federal 706H	30-025-47186

Legend

- NMNM015321 360 acres
- NMNM122620 280 acres
- Surface Hole
- Wellbore
- Bottom Hole
- Production Facility
- Red Hills Drill Pads
- CA NMNM105785709 & CA NMNM105780582 Boundaries



C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1140
Operator	Kaiser Francis
Lease	RH 005H FP2
Sample Date/Time Effective Date:	7-11-24 11:00 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	78 F
Sample Pressure	145 PSI
Sample Flow Rate	1313 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3191
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:39:28

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.7070	2.7110	0.000	0.000	
Carbon Dioxide	7.9550	7.9667	0.000	0.000	
Methane	73.1220	73.2296	0.000	0.000	
Ethane	8.4880	8.5005	2.281	2.242	
Propane	4.4040	4.4105	1.219	1.198	
isobutane	0.5420	0.5428	0.178	0.175	
n-Butane	1.3390	1.3410	0.424	0.417	
isopentane	0.4000	0.4006	0.147	0.144	
n-Pentane	0.3960	0.3966	0.144	0.142	
hexanes	0.2840	0.2844	0.117	0.115	
heptanes	0.1480	0.1482	0.069	0.067	
octanes	0.0600	0.0601	0.031	0.030	
nonanes+	0.0080	0.0080	0.005	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.8530	100.0000	4.615	4.636	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.8530		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1122.9	1103.4	
Gross Heating Value (BTU / Real cu.ft.)	1126.9	1107.8	
Relative Density (G), Ideal	0.7823	0.7795	
Relative Density (G), Real	0.7847	0.7822	
Compressibility (Z) Factor	0.9965	0.9961	
Total GPM	4.615	4.636	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1140
Operator	Kaiser Francis
Lease	RH 005H FP2
Sample Date/Time Effective Date:	7-11-24 11:00 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	78 F
Sample Pressure	145 PSI
Sample Flow Rate	1313 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3191
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:39:28

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.7070	2.7110	0.000	0.000	
Carbon Dioxide	7.9550	7.9667	0.000	0.000	
Methane	73.1220	73.2296	0.000	0.000	
Ethane	8.4880	8.5005	2.281	2.242	
Propane	4.4040	4.4105	1.219	1.198	
isobutane	0.5420	0.5428	0.178	0.175	
n-Butane	1.3390	1.3410	0.424	0.417	
isopentane	0.4000	0.4006	0.147	0.144	
n-Pentane	0.3960	0.3966	0.144	0.142	
hexanes	0.2840	0.2844	0.117	0.115	
heptanes	0.1480	0.1482	0.069	0.067	
octanes	0.0600	0.0601	0.031	0.030	
nonanes+	0.0080	0.0080	0.005	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.8530	100.0000	4.615	4.636	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.8530		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1122.9	1103.4	
Gross Heating Value (BTU / Real cu.ft.)	1126.9	1107.8	
Relative Density (G), Ideal	0.7823	0.7795	
Relative Density (G), Real	0.7847	0.7822	
Compressibility (Z) Factor	0.9965	0.9961	
Total GPM	4.615	4.636	

LSM
LABORATORY SERVICES AND MEASUREMENT

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1141
Operator	Kaiser Francis
Lease	RH 006H FP2
Sample Date/Time Effective Date:	7-11-24 11:25 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	7-22-2024
Sample Temperature	91 F
Sample Pressure	144 PSI
Sample Flow Rate	604 MCF
Ambient Temperature	86 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1322
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-07-24 10:40:47

Component Results

Total Flow Updated: 07-25-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.8440	1.8003	0.000	0.000	
Carbon Dioxide	7.9000	7.7127	0.000	0.000	
Methane	72.5950	70.8744	0.000	0.000	
Ethane	10.2620	10.0187	2.689	2.643	
Propane	6.0310	5.8880	1.628	1.600	
isobutane	0.6450	0.6297	0.207	0.203	
n-Butane	1.6730	1.6333	0.517	0.508	
isopentane	0.4780	0.4667	0.171	0.168	
n-Pentane	0.4710	0.4598	0.167	0.164	
hexanes	0.3030	0.2958	0.122	0.120	
heptanes	0.1560	0.1523	0.071	0.069	
octanes	0.0570	0.0556	0.029	0.028	
nonanes+	0.0130	0.0127	0.007	0.007	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.4280	100.0000	5.608	5.612	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.4280		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1181.7	1161.1	
Gross Heating Value (BTU / Real cu.ft.)	1186.3	1166.2	
Relative Density (G), Ideal	0.8062	0.8030	
Relative Density (G), Real	0.8090	0.8061	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	5.608	5.612	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1142
Operator	Kaiser Francis
Lease	RH 106H FP2
Sample Date/Time Effective Date:	8-12-24 1:49 PM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	86 F
Sample Pressure	102 PSI
Sample Flow Rate	3608 MCF
Ambient Temperature	100 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3375
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:19:10

Component Results

Total Flow Updated: 09-11-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.1190	2.1900	0.000	0.000	
Carbon Dioxide	5.7430	5.9354	0.000	0.000	
Methane	72.7220	75.1585	0.000	0.000	
Ethane	8.5350	8.8210	2.367	2.327	
Propane	4.2020	4.3428	1.200	1.180	
isobutane	0.5420	0.5602	0.184	0.181	
n-Butane	1.3170	1.3611	0.431	0.423	
isopentane	0.3960	0.4093	0.150	0.148	
n-Pentane	0.4300	0.4444	0.162	0.159	
hexanes	0.3870	0.4000	0.165	0.162	
heptanes	0.2330	0.2408	0.111	0.110	
octanes	0.1240	0.1282	0.066	0.065	
nonanes+	0.0080	0.0083	0.005	0.005	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	96.7580	100.0000	4.841	4.858	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	96.7580		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1164.8	1144.6	
Gross Heating Value (BTU / Real cu.ft.)	1169.1	1149.2	
Relative Density (G), Ideal	0.7709	0.7683	
Relative Density (G), Real	0.7733	0.7710	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	4.841	4.858	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 967
Operator	Kaiser Francis
Lease	RH 205H FP2 BS 205H
Sample Date/Time Effective Date:	9-26-24 9:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	81 F
Sample Pressure	91 PSI
Sample Flow Rate	1557 MCF
Ambient Temperature	76 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	SS
Cylinder #	0613
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-10-16 13:04:56

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.7250	1.6632	0.000	0.000	
Carbon Dioxide	1.2340	1.1898	0.000	0.000	
Methane	78.6240	75.8079	0.000	0.000	
Ethane	11.8510	11.4265	3.067	3.015	
Propane	5.4280	5.2336	1.447	1.423	
isobutane	0.8150	0.7858	0.258	0.254	
n-Butane	1.7360	1.6738	0.530	0.521	
isopentane	0.5240	0.5052	0.185	0.182	
n-Pentane	0.6410	0.6180	0.225	0.221	
hexanes	0.5210	0.5023	0.207	0.204	
heptanes	0.3540	0.3413	0.158	0.155	
octanes	0.2510	0.2420	0.124	0.122	
nonanes+	0.0110	0.0106	0.006	0.006	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	103.7150	100.0000	6.208	6.203	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	103.7150		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1286.2	1263.8	
Gross Heating Value (BTU / Real cu.ft.)	1291.3	1269.4	
Relative Density (G), Ideal	0.7665	0.7640	
Relative Density (G), Real	0.7692	0.7670	
Compressibility (Z) Factor	0.9960	0.9956	
Total GPM	6.208	6.203	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 963
Operator	Kaiser Francis
Lease	RH 206H FP2
Sample Date/Time Effective Date:	8-7-24 9:57 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	96 F
Sample Pressure	101 PSI
Sample Flow Rate	717 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	613
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 09:30:34

Component Results

Total Flow Updated: 09-10-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.6900	1.6812	0.000	0.000	
Carbon Dioxide	1.6470	1.6384	0.000	0.000	
Methane	75.6370	75.2443	0.000	0.000	
Ethane	11.5160	11.4562	3.075	3.023	
Propane	5.5090	5.4804	1.515	1.490	
isobutane	0.7700	0.7660	0.252	0.247	
n-Butane	1.9290	1.9190	0.607	0.597	
isopentane	0.4740	0.4715	0.173	0.170	
n-Pentane	0.5300	0.5272	0.192	0.189	
hexanes	0.3920	0.3900	0.161	0.158	
heptanes	0.2830	0.2815	0.130	0.128	
octanes	0.1400	0.1393	0.072	0.070	
nonanes+	0.0050	0.0050	0.003	0.003	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5220	100.0000	6.180	6.175	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5220		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1274.1	1252.0	
Gross Heating Value (BTU / Real cu.ft.)	1279.2	1257.4	
Relative Density (G), Ideal	0.7661	0.7636	
Relative Density (G), Real	0.7688	0.7666	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.180	6.175	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 969
Operator	Kaiser Francis
Lease	RH 404H FP2
Sample Date/Time Effective Date:	9-26-24 11:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	95 F
Sample Pressure	34 F
Sample Flow Rate	1344 MCF
Ambient Temperature	90 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	20314
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-17 13:55:26

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1250	1.1192	0.000	0.000	
Carbon Dioxide	0.4580	0.4556	0.000	0.000	
Methane	77.2810	76.8795	0.000	0.000	
Ethane	11.8210	11.7596	3.156	3.103	
Propane	5.1060	5.0795	1.405	1.381	
isobutane	0.9850	0.9799	0.322	0.316	
n-Butane	1.8720	1.8623	0.589	0.579	
isopentane	0.5210	0.5183	0.190	0.187	
n-Pentane	0.5100	0.5074	0.185	0.181	
hexanes	0.4380	0.4357	0.180	0.177	
heptanes	0.2590	0.2577	0.119	0.117	
octanes	0.1250	0.1244	0.064	0.063	
nonanes+	0.0210	0.0209	0.012	0.012	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5220	100.0000	6.222	6.216	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5220		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1293.2	1270.7	
Gross Heating Value (BTU / Real cu.ft.)	1298.3	1276.2	
Relative Density (G), Ideal	0.7533	0.7510	
Relative Density (G), Real	0.7559	0.7540	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.222	6.216	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 961
Operator	Kaiser Francis
Lease	RH 406H FP2
Sample Date/Time Effective Date:	8-7-24 12:01 PM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	103 F
Sample Pressure	100 PSI
Sample Flow Rate	1277 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3287
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 09:36:25

Component Results

Total Flow Updated: 09-09-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1360	1.1274	0.000	0.000	
Carbon Dioxide	0.2290	0.2273	0.000	0.000	
Methane	76.5160	75.9351	0.000	0.000	
Ethane	11.9320	11.8414	3.179	3.125	
Propane	5.9110	5.8661	1.622	1.595	
isobutane	0.8270	0.8207	0.270	0.265	
n-Butane	2.1160	2.0999	0.665	0.653	
isopentane	0.5060	0.5022	0.184	0.181	
n-Pentane	0.6240	0.6193	0.225	0.222	
hexanes	0.4680	0.4644	0.192	0.188	
heptanes	0.3210	0.3186	0.148	0.145	
octanes	0.1720	0.1707	0.088	0.086	
nonanes+	0.0070	0.0069	0.004	0.004	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.7650	100.0000	6.576	6.564	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.7650		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1318.0	1295.1	
Gross Heating Value (BTU / Real cu.ft.)	1323.4	1300.9	
Relative Density (G), Ideal	0.7656	0.7631	
Relative Density (G), Real	0.7684	0.7663	
Compressibility (Z) Factor	0.9959	0.9955	
Total GPM	6.576	6.564	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 965
Operator	Kaiser Francis
Lease	RH 504H FP2
Sample Date/Time Effective Date:	8-8-24 11:11 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-26-2024
Sample Temperature	99 F
Sample Pressure	90 PSI
Sample Flow Rate	1631 MCF
Ambient Temperature	98 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1428
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-08-29 15:01:17

Component Results

Total Flow Updated: 09-10-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.1940	1.1829	0.000	0.000	
Carbon Dioxide	0.6500	0.6440	0.000	0.000	
Methane	74.3870	73.6971	0.000	0.000	
Ethane	12.7540	12.6357	3.393	3.335	
Propane	6.2690	6.2109	1.718	1.689	
isobutane	0.8980	0.8897	0.292	0.287	
n-Butane	2.3290	2.3074	0.730	0.718	
isopentane	0.5700	0.5647	0.207	0.204	
n-Pentane	0.7170	0.7104	0.259	0.254	
hexanes	0.8000	0.7926	0.327	0.322	
heptanes	0.2630	0.2606	0.121	0.119	
octanes	0.0760	0.0753	0.039	0.038	
nonanes+	0.0290	0.0287	0.016	0.016	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.9360	100.0000	7.103	7.082	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.9360		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1341.3	1318.0	
Gross Heating Value (BTU / Real cu.ft.)	1347.2	1324.3	
Relative Density (G), Ideal	0.7879	0.7851	
Relative Density (G), Real	0.7910	0.7885	
Compressibility (Z) Factor	0.9957	0.9953	
Total GPM	7.103	7.082	

LSM
LABORATORY SERVICES AND MEASUREMENT

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 966
Operator	Kaiser Francis
Lease	Red Hills WC 505H FP2
Sample Date/Time Effective Date:	9-26-24 9:40 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	89 F
Sample Pressure	4 PSI
Sample Flow Rate	616 MCF
Ambient Temperature	90 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	3497
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-16 15:18:57

Component Results

Total Flow Updated: 10-21-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.2410	1.2125	0.000	0.000	
Carbon Dioxide	1.1250	1.0991	0.000	0.000	
Methane	78.1120	76.3170	0.000	0.000	
Ethane	11.2340	10.9758	2.946	2.896	
Propane	6.1010	5.9608	1.648	1.620	
isobutane	0.7800	0.7621	0.250	0.246	
n-Butane	2.2420	2.1905	0.693	0.681	
isopentane	0.5800	0.5667	0.208	0.204	
n-Pentane	0.4130	0.4035	0.147	0.144	
hexanes	0.3150	0.3078	0.127	0.125	
heptanes	0.1240	0.1212	0.056	0.055	
octanes	0.0720	0.0703	0.036	0.036	
nonanes+	0.0130	0.0127	0.007	0.007	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.3520	100.0000	6.119	6.115	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.3520		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1279.7	1257.4	
Gross Heating Value (BTU / Real cu.ft.)	1284.6	1262.8	
Relative Density (G), Ideal	0.7560	0.7536	
Relative Density (G), Real	0.7586	0.7565	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	6.119	6.115	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 962
Operator	Kaiser Francis
Lease	RED HILLS WC 506
Sample Date/Time Effective Date:	9-26-24 9:25 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-15-24
Sample Temperature	89 F
Sample Pressure	91 PSI
Sample Flow Rate	1194 MCF
Ambient Temperature	80 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	JULIO FELIX
Cylinder #	1328
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-10-17 13:45:23

Total Flow Updated: 10-21-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.5220	1.4790	0.000	0.000	
Carbon Dioxide	0.5280	0.5131	0.000	0.000	
Methane	76.1820	74.0320	0.000	0.000	
Ethane	12.5240	12.1706	3.268	3.213	
Propane	6.2410	6.0649	1.678	1.649	
isobutane	0.9400	0.9135	0.300	0.295	
n-Butane	2.4950	2.4246	0.768	0.754	
isopentane	0.5500	0.5345	0.196	0.193	
n-Pentane	0.6800	0.6608	0.241	0.236	
hexanes	0.5500	0.5345	0.221	0.217	
heptanes	0.3810	0.3702	0.171	0.169	
octanes	0.2250	0.2187	0.112	0.111	
nonanes+	0.0860	0.0836	0.047	0.046	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	102.9040	100.0000	7.002	6.983	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	102.9040		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1340.8	1317.4	
Gross Heating Value (BTU / Real cu.ft.)	1346.6	1323.7	
Relative Density (G), Ideal	0.7887	0.7858	
Relative Density (G), Real	0.7917	0.7892	
Compressibility (Z) Factor	0.9957	0.9952	
Total GPM	7.002	6.983	

LSM
LABORATORY SERVICES AND MEASUREMENT

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 968
Operator	Kaiser Francis
Lease	Red HIlls WC 604H FP2
Sample Date/Time Effective Date:	9-26-24 10:30 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	10-14-24
Sample Temperature	99 F
Sample Pressure	34 PSI
Sample Flow Rate	1638 MCF
Ambient Temperature	80 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	Kaiser Francis
Sampled By	Jonathan Redding
Cylinder #	3532
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-10-16 15:25:16

Component Results

Total Flow Updated: 10-21-24

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.5310	1.5221	0.000	0.000	
Carbon Dioxide	0.6240	0.6204	0.000	0.000	
Methane	77.2140	76.7640	0.000	0.000	
Ethane	11.2150	11.1497	2.992	2.942	
Propane	5.6210	5.5883	1.545	1.519	
isobutane	0.9110	0.9057	0.297	0.292	
n-Butane	1.8240	1.8134	0.574	0.564	
isopentane	0.5350	0.5319	0.195	0.192	
n-Pentane	0.5420	0.5388	0.196	0.193	
hexanes	0.3260	0.3241	0.134	0.131	
heptanes	0.2210	0.2197	0.102	0.100	
octanes	0.0210	0.0209	0.011	0.011	
nonanes+	0.0010	0.0010	0.001	0.001	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	100.5860	100.0000	6.047	6.044	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.5860		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1276.6	1254.3	
Gross Heating Value (BTU / Real cu.ft.)	1281.4	1259.6	
Relative Density (G), Ideal	0.7495	0.7473	
Relative Density (G), Real	0.7521	0.7502	
Compressibility (Z) Factor	0.9962	0.9958	
Total GPM	6.047	6.044	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 964
Operator	Kaiser Francis
Lease	RH 606H FP2
Sample Date/Time Effective Date:	8-8-24 10:36 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-26-2024
Sample Temperature	103 F
Sample Pressure	102 PSI
Sample Flow Rate	1469 MCF
Ambient Temperature	98 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	2274
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Report Date	2024-08-29 15:00:24

Total Flow Updated: 09-10-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	1.0260	1.0357	0.000	0.000	
Carbon Dioxide	0.1500	0.1514	0.000	0.000	
Methane	75.6780	76.3970	0.000	0.000	
Ethane	11.6520	11.7627	3.158	3.104	
Propane	5.5630	5.6158	1.553	1.527	
isobutane	0.8720	0.8803	0.289	0.284	
n-Butane	2.0920	2.1119	0.668	0.657	
isopentane	0.5070	0.5118	0.188	0.185	
n-Pentane	0.6000	0.6057	0.220	0.217	
hexanes	0.6200	0.6259	0.258	0.254	
heptanes	0.1840	0.1857	0.086	0.085	
octanes	0.0590	0.0596	0.031	0.030	
nonanes+	0.0560	0.0565	0.032	0.031	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	99.0590	100.0000	6.483	6.473	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	99.0590		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1314.0	1291.2	
Gross Heating Value (BTU / Real cu.ft.)	1319.4	1296.9	
Relative Density (G), Ideal	0.7609	0.7585	
Relative Density (G), Real	0.7636	0.7615	
Compressibility (Z) Factor	0.9960	0.9956	
Total GPM	6.483	6.473	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1143
Operator	Kaiser Francis
Lease	RH 705H FP2
Sample Date/Time Effective Date:	8-7-24 11:13 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	94 F
Sample Pressure	105 PSI
Sample Flow Rate	2406 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	1242
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:18:08

Total Flow Updated: 09-11-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.0120	2.0530	0.000	0.000	
Carbon Dioxide	4.3470	4.4356	0.000	0.000	
Methane	74.8680	76.3935	0.000	0.000	
Ethane	9.1730	9.3599	2.512	2.469	
Propane	4.2510	4.3376	1.199	1.179	
isobutane	0.5230	0.5337	0.175	0.172	
n-Butane	1.3100	1.3367	0.423	0.416	
isopentane	0.3560	0.3633	0.133	0.131	
n-Pentane	0.4060	0.4143	0.151	0.148	
hexanes	0.3720	0.3796	0.157	0.154	
heptanes	0.2560	0.2612	0.121	0.119	
octanes	0.1240	0.1265	0.065	0.064	
nonanes+	0.0050	0.0051	0.003	0.003	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	98.0030	100.0000	4.938	4.954	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	98.0030		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1181.9	1161.3	
Gross Heating Value (BTU / Real cu.ft.)	1186.1	1165.9	
Relative Density (G), Ideal	0.7561	0.7537	
Relative Density (G), Real	0.7585	0.7564	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	4.938	4.954	

C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 1144
Operator	Kaiser Francis
Lease	RH 706H FP2
Sample Date/Time Effective Date:	8-7-24 11:33 AM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	8-12-2024
Sample Temperature	96 F
Sample Pressure	100 PSI
Sample Flow Rate	2424 MCF
Ambient Temperature	94 F
Heat Tracing	No
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	James Hill
Cylinder #	3198
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2145
Report Date	2024-08-18 11:16:38

Total Flow Updated: 09-11-24

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	GPM (Dry) (Gal. / 1000 cu.ft.)	GPM (Sat) (Gal. / 1000 cu.ft.)	
Nitrogen	2.0760	2.1305	0.000	0.000	
Carbon Dioxide	4.6810	4.8038	0.000	0.000	
Methane	73.8510	75.7881	0.000	0.000	
Ethane	8.9760	9.2114	2.472	2.430	
Propane	4.3070	4.4200	1.222	1.201	
isobutane	0.5410	0.5552	0.182	0.179	
n-Butane	1.3860	1.4224	0.450	0.442	
isopentane	0.3790	0.3889	0.143	0.140	
n-Pentane	0.4350	0.4464	0.162	0.160	
hexanes	0.3910	0.4013	0.166	0.163	
heptanes	0.2720	0.2791	0.129	0.127	
octanes	0.1410	0.1447	0.074	0.073	
nonanes+	0.0080	0.0082	0.005	0.005	
hydrogen sulfide	0.0000	0.0000	0.000	0.000	
Total:	97.4440	100.0000	5.005	5.019	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	97.4440		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1184.4	1163.8	
Gross Heating Value (BTU / Real cu.ft.)	1188.7	1168.5	
Relative Density (G), Ideal	0.7645	0.7620	
Relative Density (G), Real	0.7669	0.7648	
Compressibility (Z) Factor	0.9964	0.9960	
Total GPM	5.005	5.019	

Bureau of Land Management

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval
Off-Lease Storage and Lease/CA/PA Commingling of Measurement and Sales of Oil and Gas Production

1. This approval is subject to like approval by the New Mexico Oil Conservation Division.
    a. All well tests for allocation shall be performed per NMOCD requirements.
2. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the public's interest (surface and/or subsurface).
3. Submittal of a new surface commingling sundry is required if:
    a. There are any changes to the allocation methodology
    b. Proposed Communitization Agreements (CA) or Participating Areas (PA) are not approved or are approved with changes to the original proposal
4. If new surface disturbance on BLM managed land is proposed, the operator shall submit appropriate surface use plan of operations and right-of-way grant applications to the Carlsbad Field Office for approval prior to any construction.
5. Off-lease measurement, storage, and sales from sources in this package are approved.
6. Non-FMP meters will meet the standards the operator proposed in the sundry.
7. Within 30 days of implementing the allocation methodology in this application, the operator shall submit a new site facility diagram via Sundry Notice which meets the requirements of **43 CFR 3173.11**. Include the effective date for the allocation methodology with the sundry notice.
    a. In lieu of FMP numbers on the site facility diagram, include all meter serial numbers or assign unique meter ID numbers that are reflected and identifiable in the field. This is to include allocation meters.
8. This approval does not allow for a variance from 43 CFR 3170.4. This approval does not authorize bypasses around any approved measurement point, nor does it approve the use of headers capable of acting as a bypass.
9. This approval does not authorize royalty-free fuel usage at the compressor station downstream of the CTB's FMPs; it must be an additional request separate from this application:
    a. Submit an additional Sundry Notice containing the information required under **43 CFR 3178.9**. Note: A variance to 43 CFR 3178.7(b)(2) may be granted as long as the fuel gas is being metered and is allocable back to the participating wells.

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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.

_____ Date

_____ Print or Type Name

_____ Phone Number

Christina Opfer
_____ Signature

_____ e-mail Address

Well Name	API#	Well Unit	Pool Name	Pool Code
Red Hills Federal 005H	30-025-46992	W/2 E/2 Sec 31 25S-33E & W/2 E/2 Sec 6 26S-33E	WC-025 G-06 S253329D Upper Bone Spring	97994
Red Hills Federal 006H	30-025-46993	E/2 E/2 Sec 31 25S-33E & E/2 E/2 Sec 6 26S-33E	WC-025 G-06 S253329D Upper Bone Spring	97994
Red Hills Federal 106H	30-025-47036	E/2 E/2 Sec 31 25S-33E & E/2 E/2 Sec 6 26S-33E	WC-025 G-06 S253329D Upper Bone Spring	97994
Red Hills Federal 205H	30-025-47228	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	WC-025 G-08 S253235G Lower Bone Spring	97903
Red Hills Federal 206H	30-025-47182	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	WC-025 G-08 S253235G Lower Bone Spring	97903
Red Hills Federal 404H	30-025-47037	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 406H	30-025-47039	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 504H	30-025-47038	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 505H	30-025-47031	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 506H	30-025-47189	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 604H	30-025-47190	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 606H	30-025-47185	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	Wildcat Upper Wolfcamp Oil Pool	98158
Red Hills Federal 705H	30-025-47184	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	WC-025 G-08 S253235G Lower Bone Spring	97903
Red Hills Federal 706H	30-025-47186	E/2 Sec 31 25S-33E & E/2 Sec 6 26S-33E	WC-025 G-08 S253235G Lower Bone Spring	97903

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
November 21, 2024
and ending with the issue dated
November 21, 2024.

Publisher

Sworn and subscribed to before me this 21st day of November 2024.

Business Manager

My commission expires
January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
November 21, 2024

Legal Notice

To: AMERICA WEST RESOURCES LLC, APOLLO PERMIAN LLC, ATLAS OBO ENERGY LP, BANTAM ROYALTIES LLC, BARBARA DUKE OIL & GAS LP, BENJAMIN JACOB OAKES, BOURKE C HARVEY, BPL FISH POND LLC, BROOK B ROBERTS, CARGOIL SHOGRIN REV TR C L SHOGRIN TRUST, CMGC INVESTMENTS LLC, CONCHO RESOURCES INC, DAVID TRENT DALTON, EM FARHA, EM THOMPSON CORPORATION, ELIZABETH ANN CLINE, ELIZABETH TRUDEAU OVERLY, ELLIS CARLA SMITH, EMILY SPENCER ZIESCHANG, FK CAHOON OPERATING LLC, FK CAHOON PARTNERS LLC, FORD GROUP FOUR, FORTIS MINERALS II LLC, GEORGE M O'BRIEN, GREGORY AND MINDY MAHANEY JWRS, HOLMAN M C HARVEY TRUST, J MICHAEL FEAGAN, JACK W YOUNG, JAMES P ESSMAN, JOE FEAGAN, JST TROSCHINETZ CORPORATION, JSTM PROPERTIES LTD, KAN TECH PROPERTIES LLC, KIRSTEN BRANDT KELLEY, LANI INVESTMENTS LLC, LAURA & JOHN ARNOLD FOUNDATION INVESTMENTS LLC, LLANO NATURAL RESOURCES LLC, MACBRAYER MARIE ESSMAN, MATTHEW DAVID OAKES, MERIH ENERGY LLC, MICHAEL GREGORY SPENCER, MILLIS JEFFREY OAKES, MILTON R FRY, MONTEGO CAPTIAL FUND 3 LTD, MSH FAMILY REAL ESTATE PARTNERSHIP, NATALIE SPENCER GUINN, OCTAVIA H LEIFESTE, OLIN BRENT DALTON, PAMELA RENEE DOGGETT, PBL OPERATING LLC, PD III EXPLORATION LTD, PEGASUS RESOURCES II LLC, PEGASUS RESOURCES LLC, SANDRA L PIERSON LIFE ESTATE, SERENITY RESOURCES LLC, SHANNON J OLDHAM, SHARON LYNN STARIKA TRUST, SHOGOIL & GAS CO II LLC, SITIO PERMIAN LLC, SMITH HENRY ESSMAN, SMP SIDECAR TITAN MINERAL, SMP TITAN FLEX LP, SMP TITAN MINERAL HOLDINGS LP, SPEYSIDE RESOURCES LLC, STEPHEN WILLIAM OAKES, SUE ARMSTRONG GOODGAME, SUNCREST RESOURCES LLC, TD MINERALS LLC, TERYN DALEY GONZALEZ, THOMAS J DEPKE TRUST, TREBLE CAPITAL LLC, WARLAUF LP, WARREN VENTURES LTD, WATUSI ENERGY LLC, WILLIAM Y HARVEY JR, YMC ROYALTY COMPANY LP, or your heirs, devisees, successors, or assigns: Kaiser-Francis Oil Company intends to file an application with the New Mexico Oil Conservation Division and Bureau of Land Management seeking an order to lease and pool commingle production from the following wells: Red Hills Federal 005H, Red Hills Federal 006H, Red Hills Federal 106H, Red Hills Federal 205H, Red Hills Federal 206H, Red Hills Federal 404H, Red Hills Federal 406H, Red Hills Federal 504H, Red Hills Federal 505H, Red Hills Federal 506H, Red Hills Federal 604H, Red Hills Federal 606H, Red Hills Federal 705H, & Red Hills Federal 706H. All wells have surface hole locations in the N/2 NE/4 of Section 31 25S- 33E, NMPM, Lea County, New Mexico. The well unit for the Red Hills Federal 404H, Red Hills Federal 406H, Red Hills Federal 504H, Red Hills Federal 505H, Red Hills Federal 506H, Red Hills Federal 604H, Red Hills Federal 606H, Red Hills Federal 205H, Red Hills Federal 206H, Red Hills Federal 705H, & Red Hills Federal 706H is comprised of the E/2 of Section 31 25S-33E and E/2 of Section 6 26S-33E, NMPM, Lea County, New Mexico. The well unit for the Red Hills Federal 005H is comprised of the W/2 E/2 of Section 31 25S-33E and the W/2 E/2 of Section 6 26S-33E, NMPM, Lea County, New Mexico. The well unit for the Red Hills Federal 006H and 106H is comprised of the E/2 E/2 of Section 31 25S-33E and E/2 E/2 of Section 6 26S-33E, NMPM, Lea County, New Mexico Should you object to the application you must file a written objection or request for hearing with the Division within 20 days of the date this notice is published The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, or http://www.emnrd.state.nm.us/ocd/. Failure to object will preclude you from contesting this application at a later date. The name and address of the contact party for applicant is Brendon Kushnerick, Kaiser- Francis Oil Company, P.O. Box 21468, Tulsa, Oklahoma 74121, (918) 491-4431. The well unit is located twenty-four (24) miles west southwest of Jal, New Mexico.
#00296215

67102285 00296215

BRENDON KUSHNERICK
KAISER-FRANCIS OIL COMPANY
P.O. BOX 21468
TULSA, OK 74121-1468

From: Christina Opfer
To: Clelland, Sarah, EMNRD
Cc: Christina Opfer
Subject: RE: [EXTERNAL] RE: Action ID 405465
Date: Monday, April 28, 2025 2:55:02 PM
Attachments: NMOCD AdminChecklist_Commingling_RH FPad 2.pdf
Legal Notice_Red Hills FPad 2.pdf
Accepted_BLM Commingling_Different Leases_RH FPad 2.pdf

Good gracious, I accidently hit send when trying to remove the incorrect items (from the other Red Hills request) and attach the correct items for Red Hills Facility Pad 2- the correct items are attached in this email. My apologies for the confusion.

Best,

Christina Opfer
Regulatory Manager
Kaiser-Francis Oil Company
918-491-4468
christinao@kfoc.net

From: Christina Opfer
Sent: Monday, April 28, 2025 3:47 PM
To: Clelland, Sarah, EMNRD <Sarah.Clelland@emnrd.nm.gov>
Cc: Christina Opfer <ChristinaO@Kfoc.net>
Subject: RE: [EXTERNAL] RE: Action ID 405465

Sorry to hear about your car, what a bummer!

Please see the attached Admin Checklist. I also attached the Proof of Notice and BLM Acceptance just in case you haven't seen those.

Please let me know if I can provide anything else.

From: Clelland, Sarah, EMNRD <Sarah.Clelland@emnrd.nm.gov>
Sent: Monday, April 28, 2025 10:57 AM
To: Christina Opfer <ChristinaO@Kfoc.net>
Subject: RE: [EXTERNAL] RE: Action ID 405465

Hi Christina,

I apologize, I had a bit of a car issue this morning.

I have attached a blank copy of the admin checklist. The checklist should be included in the packet that is submitted to the Division.

Thanks,

Sarah Clelland

Petroleum Specialist
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
Cell: (505) 537-0627
Sarah.Clelland@emnrd.nm.gov

From: Christina Opfer <ChristinaO@Kfoc.net>
Sent: Monday, April 28, 2025 8:32 AM
To: Clelland, Sarah, EMNRD <Sarah.Clelland@emnrd.nm.gov>
Cc: Christina Opfer <ChristinaO@Kfoc.net>
Subject: [EXTERNAL] RE: Action ID 405465

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

Dean usually emails the Admin Checklist as part of his review, but I haven't seen one yet for this Action ID or the other. Two questions-

1. Is there a different (preferred) way you would like to handle this?
2. Will you send a copy of the admin checklist PDF please?

Best,

Christina Opfer
Regulatory Manager
Kaiser-Francis Oil Company
918-491-4468
christinao@kfoc.net

From: Clelland, Sarah, EMNRD <Sarah.Clelland@emnrd.nm.gov>
Sent: Thursday, April 24, 2025 12:52 PM

To: Christina Opfer <ChristinaO@Kfoc.net>
Subject: [EXTERNAL] Action ID 405465

To whom it may concern (c/o Christina Opfer for Kaiser Francis Oil Company),

The Division is reviewing the following application:

Action ID	**405465**
Admin No.	
Applicant	Kaiser Francis Oil Company
Title	Red Hills Facility Pad 2
Sub. Date	11/21/2024

Please provide the following additional supplemental documents:

- Admin Checklist is missing. Please email as a PDF file so it can be added to application.

Please provide additional information regarding the following:

-

Additional notes:

-

All additional supplemental documents and information may be provided via email and should be done by replying to this email. The produced email chain will be uploaded to the file for this application.

Please note that failure to take steps to address each of the requests made in this email within 10 business days of receipt of this email may result in the Division rejecting the application requiring the submittal of a new application by the applicant once it is prepared to address each of the topics raised.

Thanks,

Sarah Clelland

Petroleum Specialist
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
Cell: (505) 537-0627
Sarah.Clelland@emnrd.nm.gov

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

APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY KAISER-FRANCIS OIL COMPANY **ORDER NO. PLC-972**

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. Kaiser-Francis Oil Company ("Applicant") submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells as described 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. 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.
4. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.
5. 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.

CONCLUSIONS OF LAW

6. 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.
7. 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.
8. 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.
9. 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.

10. 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.

11. 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 as described in Exhibit A.

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

2. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.

3. 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.

4. 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.

5. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10 C.(2) NMAC.

6. 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.

7. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.

8. 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).

9. 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

DATE: 5/14/2025

GERASIMOS RAZATOS
DIRECTOR (ACTING)

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: PLC-972
Operator: Kaiser-Francis Oil Company (12361)
Central Tank Battery: Red Hills Facility Pad 2
Central Tank Battery Location: UL C, Section 31, Township 25 South, Range 33 East
Gas Title Transfer Meter Location:

Pools

Pool Name	Pool Code
WC-025 G-08 S253235G;LWR BONE SPRIN	97903
WC-025 G-06 S253329D;UPR BONE SPRIN	97994
WC-025 G-09 S253236A;UPR WOLFCAMP	98158

Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
CA Lower Bone Spring NMNM 105785709	E/2	31-25S-33E
	E/2	06-26S-33E
CA Wolfcamp NMNM 105780582	E/2	31-25S-33E
	E/2	06-26S-33E
BLM Lease NMNM 105419769 (015321)	SE/4 SE/4	31-25S-33E
	E/2	06-26S-33E
BLM Lease NMNM 105678968 (122620)	E/2 Minus UL P	31-25S-33E

Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-46992	RED HILLS FEDERAL #005H	W/2 E/2	31-25S-33E	97994
		W/2 E/2	06-26S-33E	
30-025-46993	RED HILLS FEDERAL #006H	E/2 E/2	31-25S-33E	97994
		E/2 E/2	06-26S-33E	
30-025-47031	RED HILLS FEDERAL #505H	E/2	31-25S-33E	98158
		E/2	06-26S-33E	
30-025-47036	RED HILLS FEDERAL #106H	E/2 E/2	31-25S-33E	97994
		E/2 E/2	06-26S-33E	
30-025-47037	RED HILLS FEDERAL #404H	W/2 E/2	31-25S-33E	98158
		W/2 E/2	06-26S-33E	
30-025-47038	RED HILLS FEDERAL #504H	W/2 E/2	31-25S-33E	98158
		W/2 E/2	06-26S-33E	
30-025-47039	RED HILLS FEDERAL #406H	E/2 E/2	31-25S-33E	98158
		E/2 E/2	06-26S-33E	
30-025-47182	RED HILLS FEDERAL #206H	E/2	31-25S-33E	97903
		E/2	06-26S-33E	
30-025-47184	RED HILLS FEDERAL #705H	W/2 E/2	31-25S-33E	97903
		W/2 E/2	06-26S-33E	

30-025-47185	RED HILLS FEDERAL #606H	E/2 E/2	31-25S-33E 06-26S-33E	98158
30-025-47186	RED HILLS FEDERAL #706H	E/2 E/2	31-25S-33E 06-26S-33E	97903
30-025-47189	RED HILLS FEDERAL #506H	E/2 E/2	31-25S-33E 06-26S-33E	98158
30-025-47190	RED HILLS FEDERAL #604H	E/2 E/2	31-25S-33E 06-26S-33E	98158
30-025-47228	RED HILLS FEDERAL #205H	E/2 E/2	31-25S-33E 06-26S-33E	97903

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 405465
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
sarah.clelland	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 email us at OCD.Engineer@emnrd.nm.gov.	5/14/2025