

Table 4 - In Kind Helium Sales

February - 2020

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**
In Kind Helium									
Month									
FYTD									
Month									
FYTD									
Month									
FYTD									
Month									
FYTD									
Month									
FYTD									
Total month	0	0	0	0	0	0	0	0	\$0
Total FYTD	20,294	52	0	0	0	24,933	45,279	44,578	\$4,234,910
Total CYTD	0	0	0	0	0	0	0	0	\$0
Cumulative	2,153,360	108,870	450	271,593	422,045	1,055,937	4,012,254	3,950,126	\$244,954,337

Natural Gas / Natural Gas Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)**
El Paso Natural Gas		Provides Measured Firm/Interruptible Transportation Services			(billed monthly)
Month	233,152	---	256,596	1,101	\$0
FYTD	912,058	---	1,004,028	1,101	\$0
Cumulative	50,428,096	---	54,918,797	1,089	(\$5,088,325)
Minerals Management Service	No Longer Provides Natural Gas Marketing Services				
Cumulative	---	---	---	---	(\$179,913)
ETC Marketing Ltd		Purchaser - Natural Gas		\$/Unit	
Month	---	---	259,300	\$0.725130	\$188,026
FYTD	---	---	1,014,100	\$1.053280	\$1,068,131
Cumulative	---	---	54,819,459	\$4.046279	\$220,988,251
Sandstone		Purchaser - Natural Gas Liquids			
Month	---	72,935	7,855	\$4.268371	\$33,528
FYTD	---	348,255	37,643	\$5.359724	\$201,756
Cumulative	---	15,796,076	1,684,285	\$10.294781	\$17,339,346
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$/Dth)	Total (\$)
Total month	233,152	72,935	267,155	\$0.829310	\$221,554
Total FYTD	912,058	348,255	1,051,743	\$1.207412	\$1,269,887
Total CYTD	459,688	146,972	522,849	\$0.910034	\$475,810
Cumulative	50,428,096	15,796,076	56,503,744	\$4.139299	\$233,059,358

*** Volumes in Mcf at 14.73 psia & 60°F

**Rounded to nearest dollar

Table 5 - Conservation Crude Sales/Reserve Sell-down

February - 2020

Helium & Natural Gas Sales

This Table has been suspended as of 9/30/2018, BLM is no longer selling crude helium on the Open Market per Helium Stewardship Act of 2013.

Table 6 - Helium Resources Evaluation

February - 2020

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$1,989,121	\$8,462,036
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$68,360	\$299,332
Revenue Collected from Federal Lease Holds	\$2,015,251	\$8,530,396

*Totals do not sum

Helium Analysis and Evaluation	Month	FYTD
Number of Sample Request Letters Sent	0	0
Number of Samples Received	0	0
Number of Samples Analyzed	0	0
Total Number of Samples Analyzed For Resources Division	0	0
Total Number of Other Samples Analyzed (2)	15	63

U. S. Helium Production

<i>Domestic</i>	FY Volume	CY Volume
2013 Helium Sold	4,725,187	4,623,130
2014 Helium Sold	4,279,765	4,166,708
2015 Helium Sold	3,815,746	3,463,698
2016 Helium Sold	3,282,185	3,466,014
2017 Helium Sold	4,559,100	4,644,278
Estimated Helium Resources as of 12/31/2016 (Mcf)		723,000,000

	FY-2017	CY-2017
U.S. Helium Exports (3)	2,520,645	2,451,207
US Helium Imports	731,407	666,908

- (1) Includes drip gas sales & other miscellaneous gas sales.
- (2) Includes pipeline, field survey, and other requested analyses.
- (3) Data from Department of Commerce - Bureau of the Census.

Table 7 - Helium Storage Contract Activity

February - 2020

All Volumes in Mcf at 14.65 psia & 60°F

	Metered Gas					Transferred Gas		Stored Helium EOM	Charges Billed (\$)**	
	Gross Gas	Helium % Month	Helium	FYTD	Helium CYTD	Cumulative	Month		Cumulative	Month
Total All Contracts*										
Crude Acquired	13,057	72.9%	9,516	45,521	22,333	27,503,274	59,119	61,412,448		
Crude Disposed	102,818	71.7%	73,745	349,323	160,575	55,157,733	4,740	26,968,375	\$965,382.66	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718			<u>\$274,090.06</u>	RMF Fees
Net/Balance	(89,761)		(64,229)	(303,802)	(138,242)	(29,133,177)	54,379	34,444,073	2,231,933	\$1,239,472.72 \$5,487,543
Total Prior Contracts (TERMINATED)										
Crude Acquired				0	0	17,406,129	0	18,235,232		
Crude Disposed				0	0	11,830,863	0	19,187,102		
Grade-A Rdlvrd				0	0	1,478,718				
Number of trailers				0	0	9,834			0	
Messer, LLC, Contract no. 3249										
Crude Acquired										
Crude Disposed										
Net/Balance										
Praxair, Inc., Contract no. 3251										
Crude Acquired										
Crude Disposed										
Net/Balance										
Air Products, L.P., Contract no. 3256										
Crude Acquired										
Crude Disposed										
Net/Balance										
Air Liquide Helium America, Inc., Contract no. 3284										
Crude Acquired										
Crude Disposed										
Net/Balance										
Keyes Helium Co., LLC, Contract no. 3287										
Crude Acquired										
Crude Disposed										
Net/Balance										
Matheson Tri-Gas, Inc., Contract no. 3288										
Crude Acquired										
Crude Disposed										
Net/Balance										
Airgas Merchant Gases, Contract no. 3290										
Crude Acquired										
Crude Disposed										
Net/Balance										
Global Gases America, Contract no. 3293										
Crude Acquired										
Crude Disposed										
Net/Balance										
Scout Energy Partners, Contract no. 3294										
Crude Acquired										
Crude Disposed										
Net/Balance										
IACX Energy, Contract no. 3297										
Crude Acquired										
Crude Disposed										
Net/Balance										
Uniper Global Commodities North America LLC, Contract no. 3298										
Crude Acquired										
Crude Disposed										
Net/Balance										

Government Helium	
Remaining Crude Acquired beginning of the month	2,747,371
Crude Disposed: In Kind Sales transferred for the month	(54,379)
Conservation Crude Sales/Reserve Sell Down transferred (month)	0
Gains and Losses for the month	(2,925)
Net/Balance of Purchased Helium Remaining for Sale	2,690,066

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

** New Contracts

Table 8 - Compression & CHEU (Operations)

February - 2020

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$0.73		
Fuel used * (now includes field compression well head)	total MMBTU	8,398	40,902	2,036,917
#1 Compressor run time *	hours	0	1,070	124,614
#2 Compressor run time *	hours	696	3,068	86,814
#3 Compressor run time *	hours	696	2,692	71,547

* Field/CHEU Compressor Operations based on Feb 20 activity

Crude Helium Enrichment Unit (CHEU) CHEU Runtime	Month		FYTD		Cumulative
	Runtime Hrs	Percent	Runtime Hrs	Percent	Runtime Hrs
Processing feed gas	696	100.0%	3,425	93.9%	141,528
Producing residue gas	696	100.0%	3,361	92.1%	138,311
Producing helium product	696	100.0%	3,277	89.8%	134,391
Producing natural gas liquids	696	100.0%	3,344	91.7%	133,654

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Feb 20	3,274	36,373	682,480
Cheu Pure Water Usage (gallons) Feb 20	419	2,084	327,877
Electricity Metered (Kwh) CHEU consumed Jan 20	2,621,117	12,178,119	225,373,746

Booster Compressor Operations and Usage	Month	FYTD	Cumulative
Electricity Metered (Kwh) Booster Compressor consumed Jan 20	647,986	1,248,739	1,248,739