

FY2016 CHEU Plant Outage

Listed below are the number of days the CHEU was considered off-line based on the helium production of 1,000 Mcf per day or less.

well	Date	pressure	temp	flow	he flow	Planned/UnPlanned	marker	description
HEU Prdct	Oct-13-2015	133.3	49.3	373.9	275.6	Planned	1	External Plant Shutdowns
HEU Prdct	Oct-14-2015	30.8	51.2	0.0	0.0	Planned	1	
HEU Prdct	Oct-15-2015	4.2	50.1	0.0	0.0	Planned	1	
HEU Prdct	Oct-16-2015	0.6	46.0	0.0	0.0	Planned	1	
HEU Prdct	Oct-17-2015	0.0	45.9	0.0	0.0	Planned	1	
HEU Prdct	Oct-18-2015	0.3	52.7	0.0	0.0	Planned	1	
HEU Prdct	Oct-19-2015	0.0	53.7	0.0	0.0	Planned	1	
HEU Prdct	Oct-20-2015	0.0	51.8	0.0	0.0	Planned	1	
HEU Prdct	Oct-21-2015	0.3	50.5	0.0	0.0	Planned	1	
HEU Prdct	Oct-22-2015	0.6	49.6	0.0	0.0	Planned	1	
HEU Prdct	Oct-23-2015	0.0	39.6	0.0	0.0	Planned	1	
HEU Prdct	Oct-24-2015	0.0	34.3	0.0	0.0	Planned	1	
HEU Prdct	Oct-25-2015	-0.3	39.6	0.0	0.0	Planned	1	
HEU Prdct	Oct-26-2015	0.0	42.5	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Oct-27-2015	Null	Null	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Oct-28-2015	43.0	39.8	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Oct-29-2015	Null	Null	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Oct-30-2015	13.9	39.6	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Oct-31-2015	8.3	41.0	0.0	0.0	Planned	1	Scheduled Plant Shutdown
HEU Prdct	Nov-01-2015	1.1	41.8	0.0	0.0	Planned	1	
HEU Prdct	Nov-02-2015	0.3	49.2	0.0	0.0	Planned	1	
HEU Prdct	Nov-03-2015	0.6	57.7	0.0	0.0	Planned	1	
HEU Prdct	Nov-04-2015	257.1	47.8	400.9	277.1	Planned	1	
HEU Prdct	Nov-05-2015	406.5	34.6	1151.2	795.8	Planned	1	
HEU Prdct	Nov-06-2015	451.7	40.5	54.1	37.4	Planned	1	
HEU Prdct	Nov-07-2015	449.5	49.8	954.2	659.6	Planned	1	
HEU Prdct	Nov-27-2015	179.9	24.8	0.0	0.0	Planned	1	
HEU Prdct	Nov-28-2015	74.1	30.0	0.0	0.0	Planned	1	Power failure - nearby substation issues
HEU Prdct	Nov-29-2015	445.9	35.0	322.9	216.7	Planned	1	
HEU Prdct	Dec-27-2015	330.7	20.1	1179.0	848.9	Planned	1	K600 compressor - mechanical issues
HEU Prdct	Dec-28-2015	102.2	19.2	0.0	0.0	Planned	1	& power failure
HEU Prdct	Dec-29-2015	29.7	22.6	0.0	0.0	Planned	1	
HEU Prdct	Dec-30-2015	3.1	23.3	0.0	0.0	Planned	1	
HEU Prdct	Dec-31-2015	0.6	26.2	0.0	0.0	Planned	1	
HEU Prdct	Jan-01-2016	0.6	19.2	0.0	0.0	Planned	1	
HEU Prdct	Jan-02-2016	0.6	20.6	0.0	0.0	Planned	1	
HEU Prdct	Jan-03-2016	0.0	22.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-04-2016	0.6	28.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-05-2016	0.3	35.3	0.0	0.0	Planned	1	
HEU Prdct	Jan-06-2016	0.3	32.8	0.0	0.0	Planned	1	
HEU Prdct	Jan-07-2016	0.0	31.4	0.0	0.0	Planned	1	
HEU Prdct	Jan-08-2016	0.6	24.6	0.0	0.0	Planned	1	Bivins A-6 used to maintain pipeline pressure
HEU Prdct	Jan-09-2016	0.3	27.2	0.0	0.0	Planned	1	
HEU Prdct	Jan-10-2016	0.3	25.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-11-2016	0.3	20.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-12-2016	-0.3	25.7	0.0	0.0	Planned	1	
HEU Prdct	Jan-13-2016	1.9	24.4	0.0	0.0	Planned	1	
HEU Prdct	Jan-14-2016	2.2	24.8	0.0	0.0	Planned	1	
HEU Prdct	Jan-15-2016	2.5	32.5	0.0	0.0	Planned	1	
HEU Prdct	Jan-16-2016	2.5	26.2	0.0	0.0	Planned	1	
HEU Prdct	Jan-17-2016	2.8	22.7	0.0	0.0	Planned	1	
HEU Prdct	Jan-18-2016	2.8	40.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-19-2016	2.8	37.3	0.0	0.0	Planned	1	
HEU Prdct	Jan-20-2016	2.8	34.3	0.0	0.0	Planned	1	
HEU Prdct	Jan-21-2016	2.8	23.1	0.0	0.0	Planned	1	
HEU Prdct	Jan-22-2016	3.1	33.4	0.0	0.0	Planned	1	

well	Date	pressure	temp	flow	he flow	Planned/UnPlanned	marker	description
HEU Prdct	Jan-23-2016	2.8	39.8	0.0	0.0	Planned	1	
HEU Prdct	Jan-24-2016	1.9	34.8	0.0	0.0	Planned	1	
HEU Prdct	Jan-25-2016	0.8	27.3	0.0	0.0	Planned	1	
HEU Prdct	Feb-05-2016	440.6	19.6	5.1	3.7	UnPlanned	1	C140 Amine Absorber - low level
HEU Prdct	Feb-06-2016	452.5	39.0	379.2	315.3	UnPlanned	1	
HEU Prdct	May-23-2016	237.1	66.4	1424.5	997.6	UnPlanned	1	hard wire shutdown
HEU Prdct	May-24-2016	313.2	57.2	733.8	489.7	UnPlanned	1	
HEU Prdct	May-25-2016	444.5	68.4	0.0	0.0	UnPlanned	1	
HEU Prdct	Jun-21-2016	270.4	73.4	1640.4	864.8	UnPlanned	1	K-100 compressor vibration
HEU Prdct	Jun-22-2016	447.3	72.1	33.9	14.4	UnPlanned	1	
HEU Prdct	Jun-27-2016	183.0	68.2	896.1	647.6	UnPlanned	1	K-600 compressor - high suction pressure
HEU Prdct	Jun-28-2016	447.5	68.2	690.8	489.0	UnPlanned	1	
HEU Prdct	Jul-07-2016	149.4	75.7	0.0	0.0	UnPlanned	1	K-100 compressor vibration
HEU Prdct	Jul-08-2016	51.4	70.3	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-09-2016	12.8	76.5	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-10-2016	1.7	77.8	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-11-2016	0.0	72.3	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-12-2016	0.0	76.8	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-13-2016	-0.3	78.0	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-14-2016	0.0	69.3	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-15-2016	0.0	69.0	0.0	0.0	UnPlanned	1	
HEU Prdct	Jul-16-2016	447.0	63.4	430.2	256.7	UnPlanned	1	
HEU Prdct	Jul-25-2016	457.8	70.6	1497.3	876.0	UnPlanned	1	K-600 compressor - low lubricator flow
HEU Prdct	Sep-18-2016	209.1	56.7	0.0	0.0	UnPlanned	1	DGA Reboiler Fan Motor Failure
HEU Prdct	Sep-19-2016	88.6	60.9	0.1	0.1	UnPlanned	1	
HEU Prdct	Sep-20-2016	43.9	68.9	0.0	0.0	UnPlanned	1	

Note: There were several unplanned equipment outages during the fiscal year, but the outages were short in duration and exceeded the cut-off point.

total	82 days
total annual operating days	340 days
percentage of operating time	75.88%

The report saves under i:\cheu 2003\plant outages