

QuickSet™ Gas Lift Control Skid

Improved Gas-Lift Performance
Methane Emissions-Free Operations

LIFTRUCK™
Integrated Lift Services



QuickSet™ Overview

- Patented gas compression control skid
- Eliminates emissions from gas lift operations
- Delivers both environmental and economic benefits
- Proven in over 90 installations
- Reduces operational burdens in gas lift facility operations
- Fully integrated, easily installed system



9 Key Benefits

1 Eliminates methane emissions

QuickSet captures 100% of fugitive methane emissions typically associated with gas lift operations, and repurposes all captured gas as fuel gas and injection gas. This allows operators to eliminate an average of 9.125 MMSCF of methane emissions per well per year.

2 Captures methane emissions from packing vents and pneumatic valves

QuickSet is the only system that captures methane from leaking packing vents and pneumatic valves, eliminating another source of emissions.

3 Captures methane emissions from compressor blowdowns

QuickSet also eliminates another gas lift emissions issue, escaping methane from compressor blowdowns.

4 Prevents line freeze-ups and shutdowns

The QuickSet system eliminates compressor scrubber dump liquid level shutdown events and associated methanol line injections. The result is more uptime, higher production, and reduced maintenance costs.

5 Does away with liquid storage

QuickSet's natural gas liquid processing design eliminates the need for natural gas liquid storage tanks at the gas lift facility. All gases and liquids are processed within the QuickSet skid. There's no need for liquid storage or transport, and no risk of liquid tanks leaking hydrocarbons at the gas lift facility.

6 Adds revenue from captured gas

By reusing captured methane as fuel gas or injection gas, QuickSet increases monthly gas volumes, adding revenue to the bottom line.

7 Generates monthly methane capture reports

QuickSet's built-in telemetry reports capture methane emissions, VOCs (volatile organic compounds), and HAPs (hazardous air pollutants). The report details fuel gas, fuel makeup gas, and total captured gas, with daily and monthly totals.

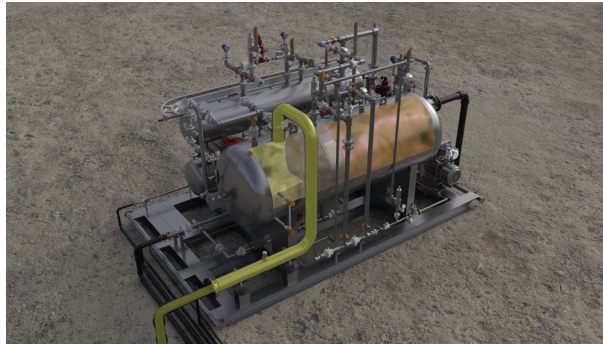
8 Reduces LOE

Instead of requiring additional capital to mitigate fugitive methane emissions, QuickSet does it as part of gas lift operations. QuickSet adds value through improved uptime, fewer maintenance events, higher production, and increased gas utilization.

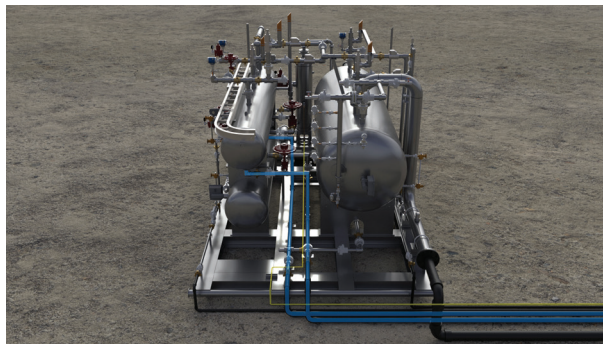
9 Reduces facility field construction

QuickSet is manufactured in a controlled QA/QC environment, eliminating the majority of facility construction in the field. More than 90% of interconnecting piping connects are completed prior to delivery, requiring minimal piping connections on site. Safety risks are minimized, time and cost are reduced, and operators get to production faster.

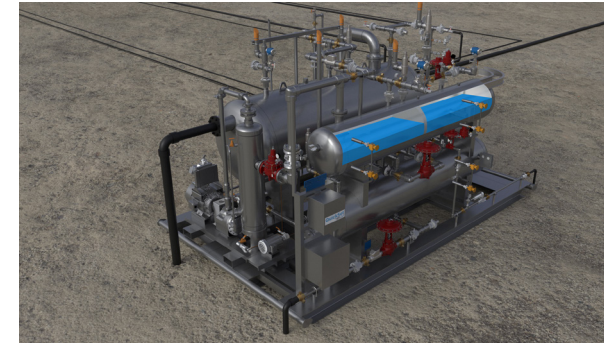
How QuickSet™ Works



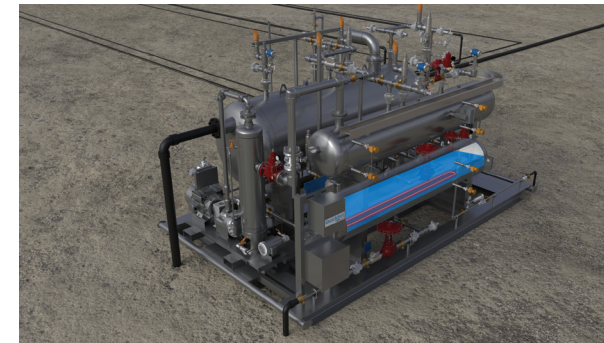
The QuickSet's 2-phase separator removes liquids (in blue) from the gas stream, with the dry gas (in yellow) traveling to the compressor inlet. The system is capable of handling up to 9MMSCFD.



The liquids (in blue) from the compressor dumps and packing vent gas (in yellow) enter the QuickSet™ skid.



Liquids (in blue) from the compressor dumps are collected in the low- and high-pressure side of the QuickSet skid.



Liquids (in blue) feed down from the upper pressure vessel to the ultra-low pressure vessel below, where gas (in yellow) continues to flash. Once liquids (in blue) reach a certain level in the lower vessel, high-pressure gas (in yellow) is introduced, and the liquids are evacuated.



Packing gas and flash gas (in yellow) are reinjected into the 2-phase separator

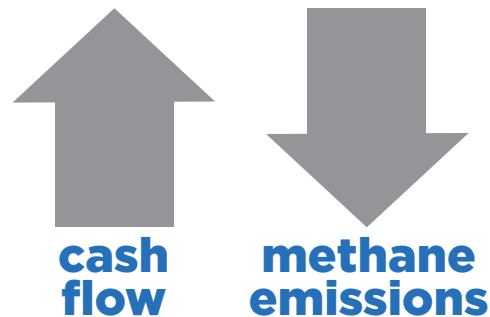
QuickSet™ – Proven Performance

Eliminating Methane Emissions and Increasing Cash Flow

Approaching 100 installations in operation, the QuickSet™ Skid is proven to eliminate methane emissions, including those resulting from leaking vent packing compressor blowdowns. These patented units also increase cash flow by adding gas that would have been sent into the atmosphere back into the production flowline.

The operation of the QuickSet results in significantly fewer overall shutdown events, including scrubber liquid level shutdowns. This patented system also reduces engine panel shutdowns and low engine oil pressure incidents, while virtually eliminating compressor freeze-ups.

There is no other system as effective as QuickSet in eliminating methane emissions, reducing compressor operational issues, and adding to the productivity of gas lift wells.



Eliminating Methane Emissions and Increasing Cash Flow

The numbers below speak for themselves. In addition to eliminating methane emissions, QuickSet also improves the overall operation and reliability of compression.

87%

Fewer Shutdown Events

95%

Fewer Scrubber Liquid Level Shutdown Events

68%

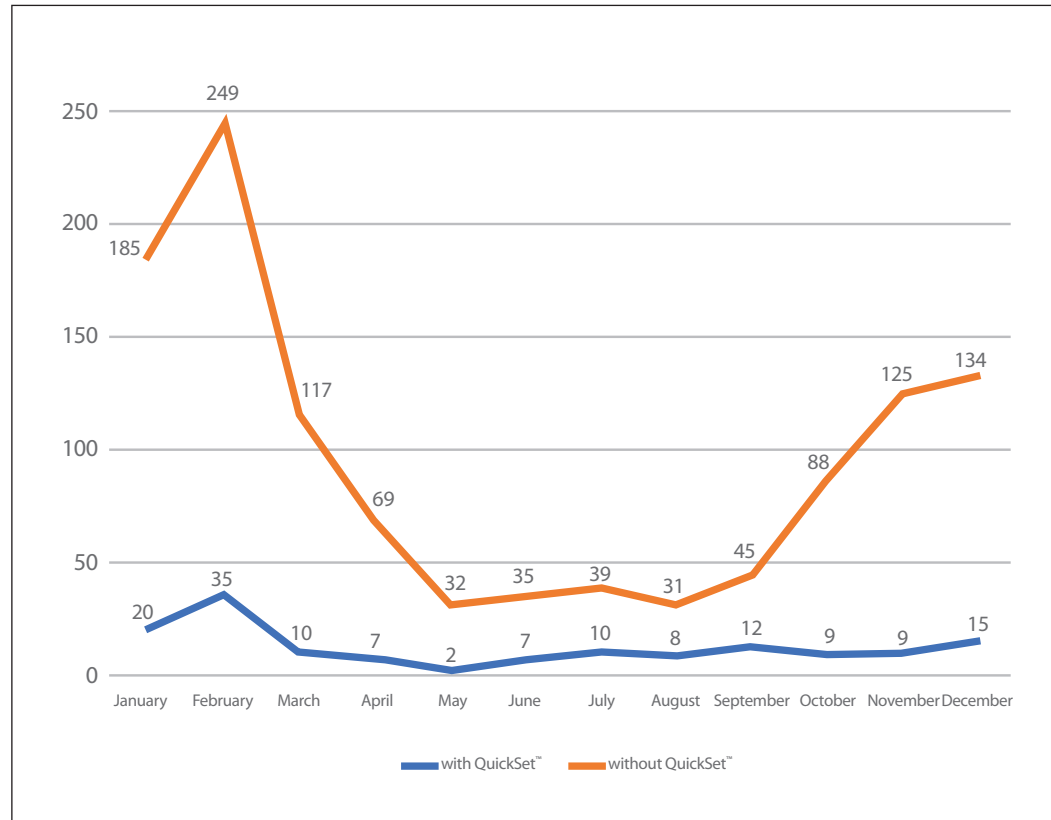
Fewer Engine Panel Shutdowns

80%

Fewer Low Engine Oil Pressure Incidents

Performance Comparison

2023 Shutdown Events

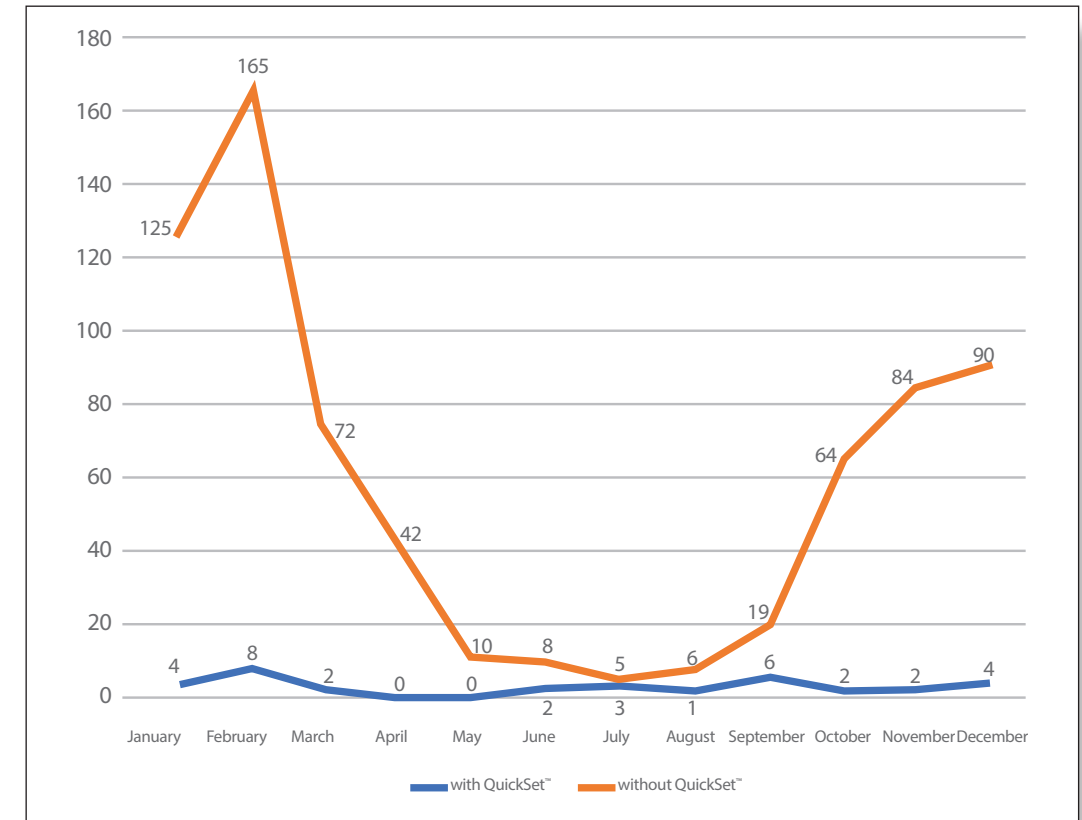


Without QuickSet - 1149
 With QuickSet - 144
 Reduced By 87%



Performance Comparison

Total Number Of Compressor Scrubber Liquid Level Shutdown Events (2023)

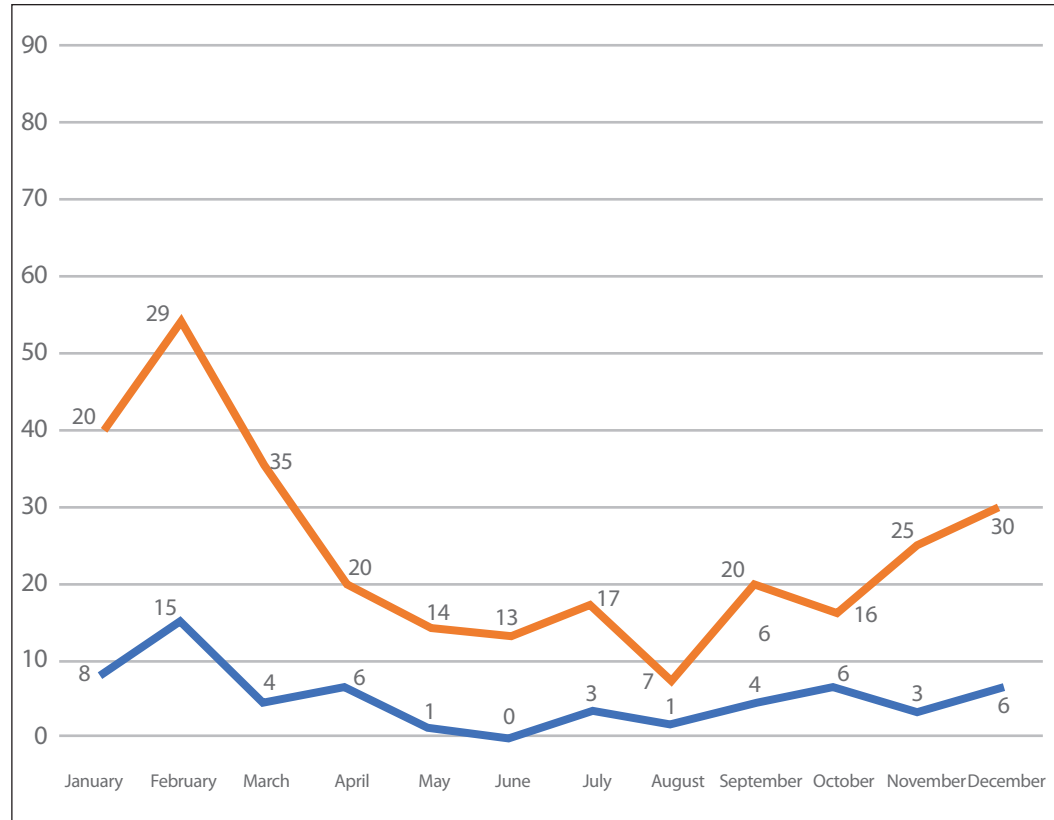


Without QuickSet - 690
 With QuickSet - 34
 Reduced By 95%



Performance Comparison

Total Number Of Low Engine Oil Pressure Shutdowns/Negative Impact to Production (2023)

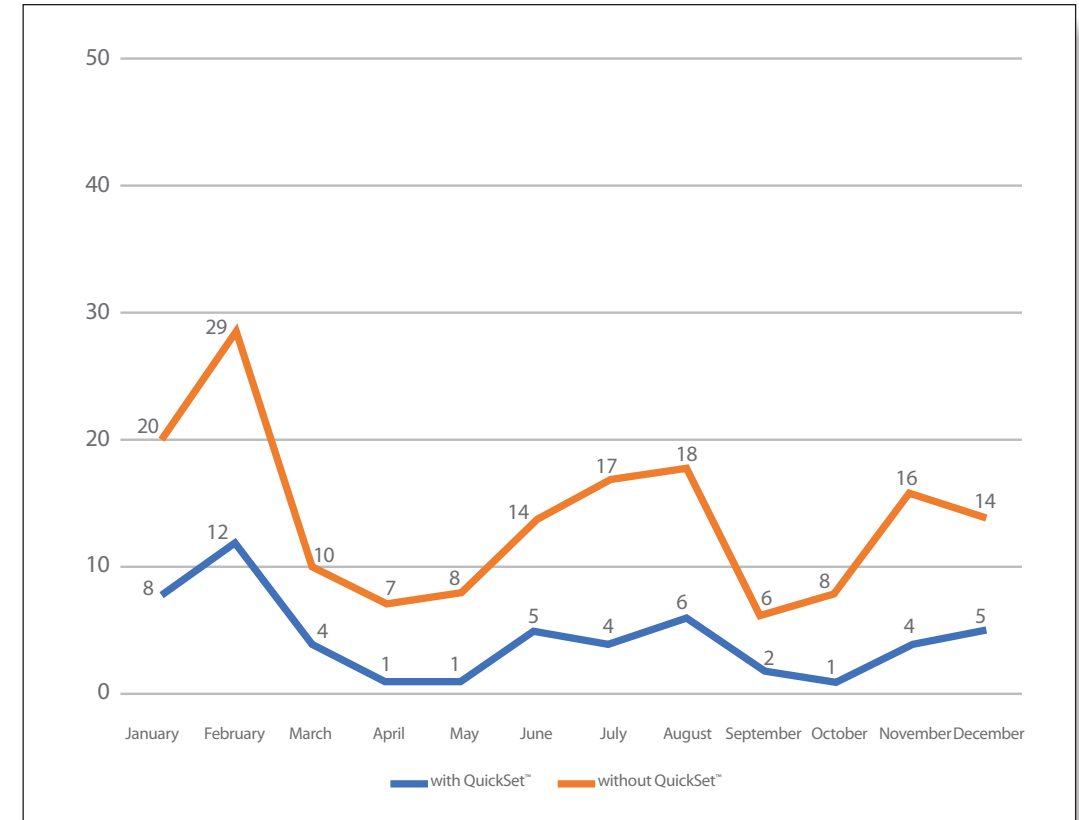


Without QuickSet - 292
 With QuickSet - 57
 Reduced By 80%



Performance Comparison

Total Number Of Engine Panel Shutdowns/Negative Impact to Production (2023)

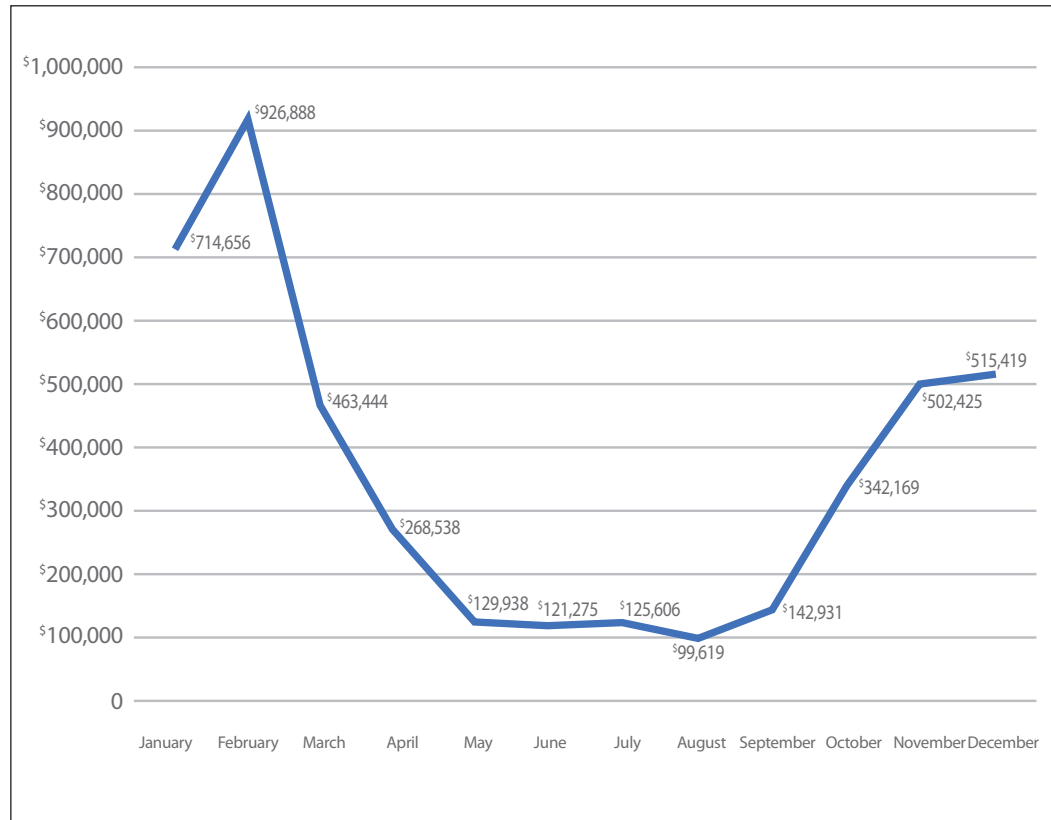


Without QuickSet - 167
 With QuickSet - 53
 Reduced By 68%



Performance Comparison

2023 Production Downtime Savings Without QuickSet Vs With QuickSet



Annual Savings Of \$4,352,906



Performance Comparison

Cost Of Downtime

Year	2022	2023
# Of Compressors	125	
# Of QS Skids	41	
Average Monthly Rental Rate Per QS Skid	(\$5,400)	
Average # of Wells Serviced Per Compressor/Skid:	3	
Average WTI: (Bbl)	\$70	\$99
Average Well Production Bpd:	150	
Average Hourly Production Value	\$1,313	\$1,855
Average Production Revenue Lost Per Compressor Shutdown Event	(\$4,331)	
Average Weighted Gas Value (Per MCF)	\$4.87	\$6.19
Total Methane Captured (MCF)	520,044	
Average MCF Captured Per Month Per Skid	1,057	
Average Downtime Per Event:	3.3	
	Without Skid	With Skid
Total # Of Compressor Shutdown Events:	1149	144
Annual Negative Impact to Production Due To Shutdown Events:	(\$4,976,606)	(\$623,700)

Avg. Hourly Production Value Determined By:

Avg. WTI x Avg # of Wells Serviced x Avg. Well Production /24Hrs

Avg. Production Revenue Lost Per Shutdown Event Determined By:

Average Hourly Production Value x Avg. Downtime Per Event

Annual Negative Impact To Production Due To Shutdown Events Determined By:

Avg. Production Revenue Lost Per Compressor Shutdown Event x Total # of Compressor Shutdown Events



Performance Comparison

Return On Investment (ROI) Utilizing QuickSet (QS) to Reduce Production Downtime

Year	2022	2023	
# Of Compressors	125		
# Of QS Skids	41		
Average Monthly Rental Rate Per QS Skid	(\$5,400)		
Average # of Wells Served Per Compressor/Skid:	3		
Average WTI: (Bbl)	\$70	\$99	
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	Without Skid	With Skid	
Total # Of Compressor Shutdown Events:	1149	144	
Annual Negative Impact to Production Due To Shutdown Events:	(\$4,976,606)	(\$623,700)	
ROI Valuation (Downtime Mitigation Savings - LOE)			
	Annual (Fleet)	Annual Per QS	Monthly Per QS
Impact to LOE Utilizing QS	(\$2,656,800)	(\$64,800)	(\$5,400)
Production Downtime Mitigation Savings Utilizing Quickset	\$4,352,906	\$106,168	\$8,847.37
ROI Utilizing QuickSet (Downtime Mitigation Only)	\$1,696,106	\$41,368	\$3,447

Impact To LOE Utilizing QuickSet Determined By:

Annual Fleet: # Of QS Skids x Avg. Rental Rate x 12 Months

Annual Per QS: Annual Fleet / # Of QS Skids

Monthly Per QS: Annual Per QS / 12 Months

Production Downtime Mitigation Savings Utilizing QuickSet Determined By:

Annual Negative Impact To Production Due To Shutdown Events (Without Skid /With Skid)

ROI (Return On Investment) Utilizing QS Skid

Impact to LOE Utilizing QS + Production Downtime Mitigation Savings Utilizing QS



Performance Comparison

Return On Investment (ROI) Utilizing QuickSet (QS) to Reduce Production Downtime + Methane Capture Savings

Year	2022	2023	
# Of Compressors	125		
# Of QS Skids	41		
Average Monthly Rental Rate Per QS Skid	(\$5,400)		
Average # of Wells Served Per Compressor/Skid:	3		
Average WTI: (Bbl)	\$70	\$99	
Average Well Production Bpd:	150		
Average Hourly Production Value	\$1,313	\$1,855	
Average Production Revenue Lost Per Compressor Shutdown Event	(\$4,331)		
Average Weighted Gas Value (Per MCF)	\$4.87	\$6.19	
Total Methane Captured (MCF)	520,044		
Average MCF Captured Per Month Per Skid	1,057		
Average Downtime Per Event:	3.3		
	Without Skid	With Skid	
Total # Of Compressor Shutdown Events:	1149	144	
Annual Negative Impact to Production Due To Shutdown Events:	(\$4,976,606)	(\$623,700)	
ROI Valuation (Downtime Mitigation Savings - LOE)			
	Annual (Fleet)	Annual Per QS	Monthly Per QS
Impact to LOE Utilizing QS	(\$2,656,800)	(\$64,800)	(\$5,400)
Production Downtime Mitigation Savings Utilizing Quickset	\$4,352,906	\$106,168	\$8,847.37
ROI Utilizing QuickSet (Downtime Mitigation Only)	\$1,696,106	\$41,368	\$3,447
ROI Valuation (Downtime Mitigation Savings + Methane Capture Valuation-LOE)			
	Annual (Fleet)	Annual Per QS	Monthly Per QS
Methane Capture Savings	\$2,532,614	\$61,771	\$5,148
ROI Utilizing QuickSet (Downtime Mitigation + Methane Capture) 2021	\$4,228,721	\$103,140	\$8,595
Commodity Pricing			
ROI Utilizing QuickSet (Downtime Mitigation + Methane Capture) 2022	\$6,714,794	\$163,775	\$13,648
Commodity Pricing			

Average Weighted Gas Value (Per MCF) Determined By:

Avg. Henry Hub Spot Price x the BTU of Gas Stream

(Example: Henry Hub Price Of \$3.89 x 1250 BTU = \$4.87 Per MCF)

Methane Capture Savings Determined By:

Total MCF Captured x the Avg. Weighted Gas Value (Per MCF)

ROI Utilizing QS Skid (Downtime Mitigation + Methane Capture)

Impact to LOE Utilizing QS + Production Downtime Mitigation Savings Utilizing Quickset + Methane Capture Savings



Performance Reporting

\$28,793

Total Monthly Savings Utilizing Quickset Skid

\$10,758

Captured Gas Value



\$18,034

Downtime Avoidance Credit

Dry Basis BTU	1,259
Henry Hub 3 Month Avg	\$2.74
Weighted Gas Value (per MCF)	\$3.45
Total Captured Gas (MCF)	3,122.50

Total Site Injection Rate (MMSCFD)	4.6
Avg Injection Rate per Bpd Produced (MMSCFD)	0.500
Avg Daily Production per Injection Rate (Bpd)	150
Cushing WTI, 3 Month Avg	\$78.41
Est. Hourly Production Value	\$4,509
Monthly Downtime Eliminated (Hrs)	4
Downtime Avoidance Credit	\$18,034

Monthly Emissions Mitigation Calculations

Vessel Vapor MW (MWTv, lb/lb-mole)	21.76
Total Emissions (Etot, tons)	89.57
Vessel Vapor VOC Fraction (XVOC, lb/lb)	0.24
Vessel Vapor HAP (Xhap, lb/lb)	0.00329
VOC Emissions (Evoc, tons/mcf)	0.00690
HAP Emissions (Ehap, tons/mcf)	0.00009

Total Site Emissions Mitigated

21.55 0.29
VOC, tons HAP, tons

Est. Yearly Emissions Mitigated

258.60 3.54
VOC, TPY HAP, TPY

Date	Fuel Gas MRU	Makeup Gas	Captured Gas	Total Captured Gas	Captured Gas Value
12/31/2023	197.58	71.09	0.02	126.51	\$436
12/30/2023	198.46	74.87	0.02	123.61	\$426
12/29/2023	195.61	65.88	0.02	129.75	\$447
12/28/2023	197.57	68.50	0.05	129.12	\$445
12/27/2023	198.02	63.62	0.01	134.41	\$463
12/26/2023	197.93	48.28	0.03	149.68	\$516
12/25/2023	205.50	92.63	0.06	112.93	\$389
12/24/2023	213.02	139.23	0.01	73.80	\$254
12/23/2023	213.66	133.72	0.03	79.97	\$276
12/22/2023	214.16	135.43	0.10	78.83	\$272
12/21/2023	213.61	133.17	0.04	80.48	\$277
12/20/2023	214.25	108.34	0.06	105.97	\$365
12/19/2023	213.75	128.58	0.03	85.20	\$294
12/18/2023	214.70	103.93	0.13	110.90	\$382
12/17/2023	214.03	106.72	0.07	107.38	\$370
12/16/2023	202.96	78.60	0.41	124.77	\$430
12/15/2023	199.32	121.60	0.08	77.80	\$268
12/14/2023	199.65	52.75	0.01	146.91	\$506
12/13/2023	191.41	60.50	0.10	131.01	\$451
12/12/2023	189.50	54.75	0.00	134.75	\$464
12/11/2023	191.45	107.82	0.06	83.69	\$288
12/10/2023	192.84	104.60	0.02	88.26	\$304
12/9/2023	191.36	123.50	0.00	67.86	\$234
12/8/2023	190.17	118.03	0.30	72.44	\$250
12/7/2023	190.93	108.75	0.04	82.22	\$283
12/6/2023	192.60	108.89	0.16	83.87	\$289
12/5/2023	189.15	111.44	0.05	77.76	\$268
12/4/2023	191.91	108.99	0.04	82.96	\$286
12/3/2023	194.67	108.02	0.04	86.69	\$299
12/2/2023	194.49	122.88	0.08	71.69	\$247
12/1/2023	194.66	113.49	0.11	81.28	\$280
Total	6,198.92	3,078.60	2.18	3,122.50	\$10,758

Definitions:

Estimated Hourly Production Value = (Total Site Injection Rate / Avg Injection Rate) * Avg Daily Production Per Injection Rate * Rate) * Avg Daily Production Per Injection Rate Per Well * Cushing WTI, 3 Month Avg / 24 hours per day

Downtime Avoidance Credit = Estimated Hourly Production Value * Monthly Downtime Eliminated

Total Captured Gas = Fuel Gas - Makeup Gas + Captured Gas

Weighted Gas Value = Dry Basis BTU * Henry Hub 3 Month Avg Spot Price

Captured Gas Value = Total Captured Gas * Weighted Gas Value

Performance Reporting

\$89,287
Captured Gas Value



\$21,5483
Downtime A voidance Credit



\$65,424
Impact to LOE



\$23,9346

Net Impact to LOE U tilizing QuickSet Skid

Methane Emissions Captured

Captured Gas Value Calculation

Downtime Avoidance Credit Calculation

Year	Month	Total Captured Gas (MCF)	VOCs (Tons)	HAPs (Tons)	Henry Hub	Weighted Gas Value	Captured Gas Value	WTI	Hourly Prod Value	Downtime Avoidance Credit	Monthly LOE	Net Impact to LOE
2023	January	432.90	2.99	0.04	\$4.75	\$5.98	\$2,589	\$79.64	\$4,579	\$18,318	\$5,452	\$15,455
2023	February	1,268.07	8.75	0.12	\$3.73	\$4.69	\$5,950	\$77.13	\$4,435	\$17,740	\$5,452	\$18,238
2023	March	2,356.50	16.26	0.22	\$2.65	\$3.34	\$7,872	\$76.08	\$4,374	\$17,498	\$5,452	\$19,918
2023	April	2,928.41	20.21	0.28	\$2.28	\$2.87	\$8,418	\$76.52	\$4,400	\$17,600	\$5,452	\$20,566
2023	May	2,744.60	18.94	0.26	\$2.21	\$2.78	\$7,625	\$74.77	\$4,299	\$17,197	\$5,452	\$19,370
2023	June	2,516.32	17.37	0.24	\$2.16	\$2.72	\$6,854	\$73.76	\$4,241	\$16,965	\$5,452	\$18,366
2023	July	2,576.77	17.78	0.24	\$2.29	\$2.89	\$7,440	\$72.63	\$4,176	\$16,706	\$5,452	\$18,694
2023	August	2,325.36	16.05	0.22	\$2.44	\$3.07	\$7,134	\$75.90	\$4,364	\$17,458	\$5,452	\$19,139
2023	September	2,292.79	15.82	0.22	\$2.59	\$3.26	\$7,476	\$82.30	\$4,732	\$18,928	\$5,452	\$20,953
2023	October	2,193.17	15.14	0.21	\$2.73	\$3.44	\$7,547	\$85.49	\$4,915	\$19,662	\$5,452	\$21,757
2023	November	2,752.93	19.00	0.26	\$2.78	\$3.50	\$9,624	\$84.25	\$4,845	\$19,378	\$5,452	\$23,550
2023	December	3,122.50	21.55	0.29	\$2.74	\$3.45	\$10,758	\$78.41	\$4,509	\$18,034	\$5,452	\$23,341
Total		27,510.32	189.86	2.60	\$2.77	\$3.49	\$89,287	\$78.07	\$4,489	\$215,483	\$65,424	\$239,346



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