Production - Natural Gas STAR Annual Report - 2006

Company Information

Company Name: **Newfield Exploration Company**

Gas STAR Contact: [redacted]

Title

Address:

City:

State:

Zip:

Phone:

Fax:

E-mail:

Company Information Updated: No

Activities Reported

BMP1: Yes BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: **487,028**

Previous Years' Activities Reported: **No**

Period Covered by Report

From: **01/01/2006** To: **12/31/2006**

Additional Comments

6/20/07 QB ☒ ACCESS

6/15/07 QB ☒ iSTAR

6/20/07 CG ☒ QA/QC

June 12, 2007

Newfield Exploration Company
BMP1: Identify and Replace High-Bleed Pneumatic Devices

Current Year Activities

A. Facility Summary

Number of devices replaced this reporting period: **97 devices**
Percent of system now equipped with low/no-bleed units: **95 %**

B. Cost Summary

Estimated cost per replacement (including equipment and labor): **$ _____**

C. Methane Emissions Reduction

Method Used: **Calculation Using Default**
Data Source: **Not Applicable**
Methane Emissions Reduction: **12,028.00 Mcf/year**

D. Duration of Activity

Number of years that methane emissions reductions will be realized: **7 years**

E. Total Value of Gas Saved

Value of Gas Saved: **$ 84,196.00**
$ / Mcf used: **$ 7.00**

F. Planned Future Activities
Number of high-bleed devices to be replicated next year: **_____ devices**

Previous Years' Activities

Year	Number of Devices	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of replacements (including equipment and labor)

Additional Comments

Newfield Exploration Company
BMP2: Install Flash Tank Separators on Glycol Dehydrators

Current Year Activities

A. Facility Summary

Number of flash tank separators installed this reporting period: _____ **flash tanks**
Percent of dehydrators in system equipped with flash tank separators: _____ **%**

B. Cost Summary

Estimated cost per flash tank separator replacement (including equipment and labor): **$** _____

C. Methane Emissions Reduction

Method Used: _____
Data Source:
Methane Emissions Reduction: _____ **Mcf/year**

Flash Tank Installation Number	TEG circulation rate (gal/hr)	Methane entrainment rate (scf/gal)	Hours of operation (hrs/yr)

Total # Flash Tanks Installed: **0**

D. Duration of Activity

Number of years that methane emissions reductions will be realized: **10 years**

E. Total Value of Gas Saved

Value of Gas Saved: **$** _____
$ / Mcf used: **$ 7.00**

F. Planned Future Activities
Number of flash tank separators to be installed next year: _____ **flash tanks**

Previous Years' Activities

Year	# of Flash Tank Separators Installed	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of installations (including equipment and labor)

Additional Comments

Newfield Exploration Company
BMP3: Partner Reported Opportunities (PROs)
Install plunger lift systems in gas wells

"Artificial lift: install plunger lifts"
✓ EB

Current Year Activities

A. Description of PRO
installed to help unload wells

B. Level of Implementation
Number of units installed: **47 units**

C. Methane Emissions Reduction
Methane Emissions Reduction: **337,000.00 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

D. Duration of PRO
Number of years that methane emissions reductions will be realized: **10 years**

only ~~1~~ was available ??
Fixed

E. Cost Summary
Estimated cost of implementing the PRO (including equipment and labor): **$** _____

F. Total Value of Gas Saved
Value of Gas Saved: **$ 2,359,000.00**
$ / Mcf used: **$ 7.00**

G. Planned Future Activities
To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of practice/activity (including equipment and labor)

Additional Comments

Newfield Exploration Company
BMP3: Partner Reported Opportunities (PROs)
Perform Green Completions "Perform reduced emission completions" EB

Current Year Activities

A. Description of PRO
flowback wells through temporary production facilites to sales meter during Frac flowbacks

B. Level of Implementation
Number of units installed: **45 units**

C. Methane Emissions Reduction
Methane Emissions Reduction: **138,000.00 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

D. Duration of PRO
Number of years that methane emissions reductions will be realized: **1 years**

E. Cost Summary
Estimated cost of implementing the PRO (including equipment and labor): **$** _____

F. Total Value of Gas Saved
Value of Gas Saved: **$ 966,000.00**
$ / Mcf used: **$ 7.00**

G. Planned Future Activities
To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of practice/activity (including equipment and labor)

Additional Comments

Newfield Exploration Company
Additional Accomplishments