

GTHT - \_\_\_\_001\_\_\_\_

G-108s

## Chavez, Carl J, EMNRD

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**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Wednesday, May 20, 2015 3:07 PM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; michelle@mhenrie.com; Mike Gipson; David Ramirez; dwjanney160@gmail.com  
**Subject:** Lightning Dock Geothermal, Submittal: April 2015 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, APRIL 2015 REPORT, 5-20-15.pdf

Mr. Chavez,

Attached is Lightning Dock Geothermal's submittal of the April 2015 G-108 report ("Monthly Geothermal Production Report"). Please contact me if you have any questions/comments.

Thanks.

Kacie Peterson

### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: April 2015			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	508.411	0	311.6	82.8	205.037	Geothermal fluid	P	30	N/A
										254,205			
TOTALS					508.411	0			205.037	254,205			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

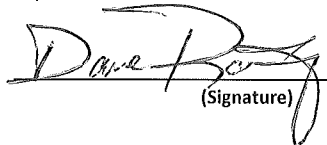
  
(Signature)

LDG Plant Manager  
(Title)

5/20/2015  
(Date)

										Month of: May 2015			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	451.831	0	311.9	85	182.252	Geothermal fluid	P	30	Equipment
										225,915			
TOTALS					451.831	0				182.252	225,915		

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

6/19/2015  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Monday, April 20, 2015 12:26 PM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: March 2015 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, MARCH 2015 REPORT, 4-20-15.pdf

Mr. Chavez,

Attached is Lightning Dock Geothermal's submittal of the March 2015 G-108 report ("Monthly Geothermal Production Report"). Please contact me if you have any questions/comments.

Thanks.

Kacie Peterson

### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: March 2015			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	512.73	0	311.7	82.6	206.791	Geothermal fluid	P	31	N/A
										256,365			
TOTALS					512.73	0			206.791	256,365			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

4/20/2015  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Thursday, March 19, 2015 11:12 AM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: February 2015 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, FEBRUARY 2015 REPORT, 3-19-15.pdf

Mr. Chavez,

Attached is Lightning Dock Geothermal's submittal of the February 2015 G-108 report ("Monthly Geothermal Production Report"). Please contact me if you have any questions/comments.

Thanks.

Kacie Peterson

### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: February 2015			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	471.036	0	311.8	82.4	189.987	Geothermal fluid	P	28	N/A
										235,518			
TOTALS					471.036	0			189.987	235,518			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

3/19/2015  
(Date)



## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Thursday, February 19, 2015 12:47 PM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: January 2015 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, JANUARY 2015 REPORT, 2-19-15.pdf

Mr. Chavez,

Attached is Lightning Dock Geothermal's submittal of the January 2015 G-108 report ("Monthly Geothermal Production Report"). Please contact me if you have any questions/comments.

Thanks.

Kacie Peterson


**Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: January 2015			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	521.766	0	311.6	80.1	210.423	Geothermal fluid	P	31	N/A
										260,883			
TOTALS					521.766	0			210.423	260,883			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

2/19/2015  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Tuesday, January 20, 2015 3:24 PM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: December 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, DECEMBER 2014 REPORT, 1-20-15.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the December 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020				Month of: December 2014	
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo			
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.															
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason		
	Unit Ltr.	Sec.	Twp.	Rge.											
45-7	K	7	25S	19W	516.327	0	311.7	86.8	208.242	Geothermal fluid	P	31	N/A		
										258,163					
TOTALS					516.327	0			208.242	258,163					

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

1/20/2015  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Thursday, December 18, 2014 4:14 PM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: November 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, NOVEMBER 2014 REPORT, 12-18-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the November 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

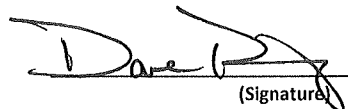
**Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



											Month of: November 2014		
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	379.697	0	311.6	87.8	153.128	Geothermal fluid	P	22	Pump Down
										189,848			
TOTALS					379.697	0				153.128	189,848		

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

12/18/2014  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Thursday, November 20, 2014 10:44 AM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: October 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, OCTOBER 2014 REPORT, 11-20-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the October 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson


### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: October 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	400.135	0	312.1	83.1	161.42	Geothermal fluid	P	24	Pump Repair
										200,068			
TOTALS					400.135	0			161.42	200,068			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

11/19/2014  
(Date)



## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Tuesday, October 21, 2014 2:46 PM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: September 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, SEPTEMBER 2014 REPORT, 10-20-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the September 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

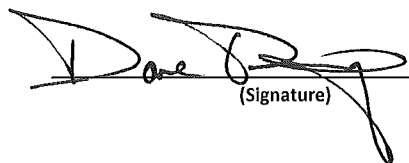
### **Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: September 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	456.811	0	311.8	86.9	184.25	Geothermal fluid	P	30	N/A
										228,406			
TOTALS					456.811	0			184.25	228,406			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

10/20/2014  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Friday, September 19, 2014 8:53 AM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; dwjanney160@gmail.com; michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: August 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, AUGUST 2014 REPORT, 9-19-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the August 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

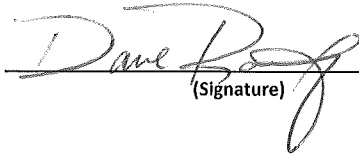
**Lightning Dock Geothermal HI-01, LLC**

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304  
18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020			
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo	
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	49.223	0	311.5	87	19.85	Geothermal fluid	P	6	Lightning Damage
										24,611			
TOTALS					49.223	0			19.85	24,611			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

9/19/2014  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Wednesday, August 20, 2014 1:17 PM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; David Janney (david.janney@amec.com); michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: July 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, JULY 2014 REPORT, 8-20-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the July 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

### Lightning Dock Geothermal HI-01, LLC


(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304

18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: July 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	323.785	0	311.6	84.6	130.579	Geothermal fluid	P	31	N/A
										161,892			
TOTALS					323.785	0			130.579	161,892			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

8/19/2014  
(Date)

## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Wednesday, August 20, 2014 1:17 PM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; David Janney (david.janney@amec.com); michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: July 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, JULY 2014 REPORT, 8-20-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the July 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

### Lightning Dock Geothermal HI-01, LLC


(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304

18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



										Month of: July 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	323.785	0	311.6	84.6	130.579	Geothermal fluid	P	31	N/A
										161,892			
TOTALS					323.785	0			130.579	161,892			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

LDG Plant Manager  
(Title)

8/19/2014  
(Date)



## Chavez, Carl J, EMNRD

---

**From:** Kacie Peterson <kacie.peterson@cyrqenergy.com>  
**Sent:** Monday, July 21, 2014 10:47 AM  
**To:** Dawson, Scott, EMNRD  
**Cc:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Nick Goodman; Steve Brown; David Janney (david.janney@amec.com); michelle@mhenrie.com; Mike Gipson; David Ramirez  
**Subject:** Lightning Dock Geothermal, Submittal: June 2014 G-108 ("Monthly Geothermal Production Report")  
**Attachments:** G-108, Lightning Dock Geothermal, JUNE 2014 REPORT, 7-21-14.pdf

Mr. Dawson,

Attached is Lightning Dock Geothermal's submittal of the June 2014 G-108 report ("Monthly Geothermal Production Report"). Please have your staff contact me if they have any questions/comments.

Thanks.

Kacie Peterson

### Lightning Dock Geothermal HI-01, LLC

(p) 575.548.0301 | (c) 505.469.4025 | (f) 575.548.0304

18 Greenhouse Drive | Animas, NM 88020 | [www.cyrqenergy.com](http://www.cyrqenergy.com)



Operator: Lightning Dock Geothermal HI-01, LLC										Month of: June 2014			
Lease Name: BLM (NM 34790)										Address: 18 Greenhouse Drive, Animas NM 88020			
Reservoir: Lightning Dock										County: Hidalgo			
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	315.773	0	311.6	85.9	127.348	Geothermal fluid	P	30	N/A
										157,887			
TOTALS					315.773	0			127.348	157,887			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

Director of Operations  
(Title)

7/18/2014  
(Date)

<b>Operator:</b> Lightning Dock Geothermal HI-01, LLC					<b>Address:</b> 18 Greenhouse Drive, Animas NM 88020					<b>Month of:</b> May 2014			
<b>Lease Name:</b> BLM (NM 34790)					<b>Reservoir:</b> Lightning Dock		<b>County:</b> Hidalgo						
<b>NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.</b>													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	239.23	0	311.2	78.8	96.729	Geothermal fluid	P	22	Submersible Pump Installation
										119,615			
<b>TOTALS</b>					239.23	0			96.729	119,615			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

Director of Operations  
(Title)

6/19/2014  
(Date)



10 June 2014

Mr. Carl J. Chavez  
New Mexico Energy, Minerals & Natural Resources Department  
Oil Conservation Division, Environmental Bureau  
1220 South St. Francis Drive, Santa Fe, New Mexico 87505

RE: Lightning Dock Geothermal HI-01, LLC  
Permit No. GTHT-001

Dear Mr. Chavez,

Attached are revised Forms G-108, G-109, and G-110 for the period of January-April, 2014 for the above referenced permit at Cyrq's Lightning Dock Geothermal (LDG) Power Plant. The revised reports are being submitted to correct minor errors in the reports due to discrepancies in metering equipment on the production well.

The power plant began commercial operations in December, 2013. After an internal quarterly review of the reports and flow meters on production and injections wells, LDG realized that the flow meters required additional calibration by the manufacturer, GE Sensing (GE). From our internal review, we have determined that the injection well flows meters are accurate, but the flow meter for production well 45-7 requires additional calibration to more accurately measure the well's production flow. The revised reports reflect adjusted flow and mass numbers for Well 45-7, the plant's only production well. During the reporting period, there were no discharges into the lined blow down ponds at Wells 45-7 and 55-7, therefore the reports reflect no losses due to discharges, evaporation, or flashing.

To correct the problem and ensure more accurate readings in the future, GE will be calibrating all of the meters this week. Documentation of the calibration will be provided to OCD under a separate cover. Going forward, GE will calibrate the meters on an annual basis or sooner as needed. Please contact me if you have any questions regarding these reports.

Sincerely,

Lightning Dock Geothermal HI-01, LLC

A handwritten signature in black ink that reads "Kacie Peterson". The signature is written in a cursive, flowing style.

Kacie Peterson  
Manager, Permitting and Community Relations



**Attachments:**

G-108, Lightning Dock Geothermal, January 2014 Report, 6-10-14  
G-109, Lightning Dock Geothermal, January 2014 Report, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 53-7, January 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 55-7, January 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 63-7, January 2014, 6-10-14

G-108, Lightning Dock Geothermal, February 2014 Report, 6-10-14  
G-109, Lightning Dock Geothermal, February 2014 Report, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 53-7 February 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 55-7, February 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 63-7, February 2014, 6-10-14

G-108, Lightning Dock Geothermal, March 2014 Report, 6-10-14  
G-109, Lightning Dock Geothermal, March 2014 Report, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 53-7, March 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 55-7, March 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 63-7, March 2014, 6-10-14

G-108, Lightning Dock Geothermal, April 2014 Report, 6-10-14  
G-109, Lightning Dock Geothermal, April 2014 Report, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 53-7, April 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 55-7, April 2014, 6-10-14  
G-110, Lightning Dock Geothermal, Well LDG 63-7, April 2014, 6-10-14

Cc: S. Dawson, NMOCD  
J. Griswold, NMOCD  
N. Goodman, Cyrq Energy  
S. Brown, Cyrq Energy  
D. Janney, AMEC  
M. Henrie, Land Water Law

MONTHLY GEOTHERMAL PRODUCTION REPORT

Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020			
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo	
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	285.03	0	306.2*	75.3	115.247	Geothermal fluid	P	31	N/A
										159,043			
TOTALS					285.03	0			115.247	159,043			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)


Director of Operations  
(Title)

6/10/2014  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

										Month of: February 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock			County: Hidalgo					
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	292.617	0	311.4°	75.3	118.314	Geothermal fluid	P	28	N/A
										159,043			
TOTALS					292.617	0			118.314	159,043			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

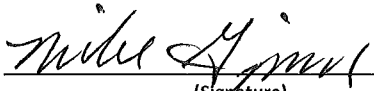
Director of Operations  
(Title)

6/10/2014  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020				Month of: March 2014	
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo			
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.															
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason		
	Unit Ltr.	Sec.	Twp.	Rge.											
45-7	K	7	25S	19W	311.359	0	311.3°	73.9	125.892	Geothermal fluid	P	31	N/A		
										159,043					
TOTALS					311.359	0			125.892	159,043					

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

Director of Operations  
(Title)

6/10/2014  
(Date)



MONTHLY GEOTHERMAL PRODUCTION REPORT

Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020				
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo		
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.														
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason	
	Unit Ltr.	Sec.	Twp.	Rge.										
45-7	K	7	25S	19W	307.836	0	311.4°	75	124.468	Geothermal fluid	P	30	N/A	
										159,043				
TOTALS					307.836	0			124.468	159,043				

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

*Nick L. Smith*  
(Signature)

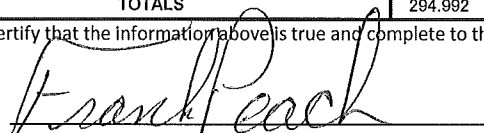
Director of Operations  
(Title)

6/10/2014  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

										Month of: January 2014			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock				County: Hidalgo				
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	294.992	0	306.2	75.3	119.275	Geothermal fluid	P	31	N/A
										147,496			
TOTALS					294.992	0			119.275	147,496			

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

Plant Manager  
(Title)

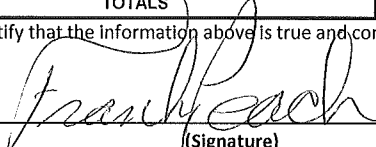
2/20/14  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

										Month of: December 2013			
Operator: Lightning Dock Geothermal HI-01, LLC					Address: 18 Greenhouse Drive, Animas NM 88020								
Lease Name: BLM (NM 34790)					Reservoir: Lightning Dock				County: Hidalgo				
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	91.8	0	305	73	37.1	Geothermal fluid, 45,900 tons	P	12	N/A
TOTALS					91.8	0			37.1				

AMENDED DUE TO MATH ERROR

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

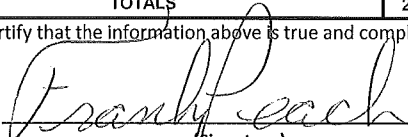
Plant Manager  
(Title)

2/20/14  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020			
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo	
NOTE: Report actual production (NOT SALES). Use Form G-109 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	294.992	0	306.2	75.3	119.275	Geothermal fluid, 147,498 tons	P	31	N/A
TOTALS					294.992	0			119.275				

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

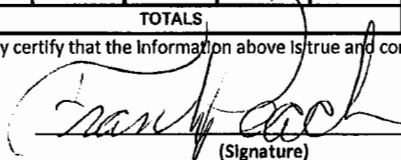
Plant Manager  
(Title)

2/20/14  
(Date)

MONTHLY GEOTHERMAL PRODUCTION REPORT

Operator: Lightning Dock Geothermal HI-01, LLC										Address: 18 Greenhouse Drive, Animas NM 88020			
Lease Name: BLM (NM 34790)										Reservoir: Lightning Dock		County: Hidalgo	
NOTE: Report actual production (NOT SALES). Use Form G-108 for water injection wells.													
Well No	Location				Total mass produced (Lbs x 10 <sup>6</sup> )	Dry stream produced (Lbs x 10 <sup>6</sup> )	Flow temp. (°F)	Flow pres. (psig)	Water produced (acre-feet)	Minerals produced (type and tons)	Method of Prod (F. or P.)	# days well prod.	If well not in production, state reason
	Unit Ltr.	Sec.	Twp.	Rge.									
45-7	K	7	25S	19W	91.8	0	305	73	37.1	Geothermal fluid, 348.4 tons	P	12	N/A
TOTALS					91.8	0			37.1				

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature)

Plant Manager  
(Title)

1/20/14  
(Date)

System = 7.500 mpa