

Rule Engineering, LLC

Solutions to Regulations for Industry

April 12, 2013

Mr. Alex Fisher
Colorado Oil and Gas Conservation Commission
1120 Lincoln St, Suite 801
Denver, CO 80203

Re: Centralized E&P Waste Management Facility Annual Report
Facility ID #426582
Encana Oil and Gas (USA) Inc. NPR Solidification Facility

Dear Mr. Fisher:

Rule Engineering, LLC is submitting the 2012 Annual Report for the above referenced facility on behalf of Encana Oil and Gas (USA), Inc. (Encana) for the North Parachute Ranch (NPR) Solidification Facility (NSF). The Form 28 was approved by the Colorado Oil and Gas Conservation Commission (COGCC) in a letter dated July 11, 2012. The APEN with the CDPHE was approved on October 11, 2012 and after construction of the facility per the Form 28, operations began on November 6, 2012.

This report covers the period from the time operations began through the end of 2012. Attached are summaries of the waste origin volumes (Table 1) and waste manifested for off-site disposal (Table 2). The waste processed at this facility in 2012 were estimated to include Frac Tank Bottoms of 129.5 cubic yards of solids and 1,564 barrels of liquid, and Produced Water Tank Bottoms of 25.5 cubic yards of solids and 65 barrels of liquid. No Pit Bottoms were processed in 2012. After solidification with sawdust an estimated total of 1,080 cubic yards were transported for disposal at the RNI-Bluebell facility in Utah.

If you have any questions please contact me at 303-431-8500 or Brett Middleton of Encana at 970-285-2739.

Sincerely,
Rule Engineering, LLC

Russell V. Knight
Russell V. Knight
Principal Hydrogeologist

cc: Brett Middleton - Encana

Attachments

Table 1
Waste Origin Summary 2012
Encana NSF Facility

Date	Waste Type	Est. Quantity Solids In (Yards)	Est. Quantity Liquids In (bbls)	Est. Quantity Liquid Out (bbls)
11/6/2012	Frac Tank Bottoms	10	0	0
11/7/2012	Frac Tank Bottoms	0	10	0
11/8/2012	Frac Tank Bottoms	5	0	0
11/9/2012	Frac Tank Bottoms	5	10	0
11/10/2012	Frac Tank Bottoms	5	10	10
11/10/2012	Frac Tank Bottoms	5	10	0
11/13/2012	Frac Tank Bottoms	0	25	0
11/14/2012	Frac Tank Bottoms	0	55	0
11/14/2012	Frac Tank Bottoms	0	35	15
11/14/2012	Frac Tank Bottoms	0	35	20
11/14/2012	Frac Tank Bottoms	1	50	0
11/14/2012	Frac Tank Bottoms	0	55	0
11/15/2012	Frac Tank Bottoms	0	35	10
11/15/2012	Frac Tank Bottoms	0	55	0
11/15/2012	Frac Tank Bottoms	0	80	0
11/15/2012	Frac Tank Bottoms	0	50	0
11/16/2012	Frac Tank Bottoms	5	35	20
11/16/2012	Frac Tank Bottoms	0	20	20
11/16/2012	Frac Tank Bottoms	0	60	0
11/16/2012	Frac Tank Bottoms	0	45	0
11/16/2012	Frac Tank Bottoms	5	35	15
11/19/2012	Frac Tank Bottoms	0	60	0
11/19/2012	Frac Tank Bottoms	10	35	25
11/20/2012	Frac Tank Bottoms	12	25	20
11/20/2012	Frac Tank Bottoms	0	10	0
11/20/2012	Frac Tank Bottoms	5	30	0
11/20/2012	Frac Tank Bottoms	5	30	0
11/21/2012	Frac Tank Bottoms	0	35	0
11/21/2012	Frac Tank Bottoms	0	20	0
11/21/2012	Frac Tank Bottoms	5	35	0
11/21/2012	Frac Tank Bottoms	0	60	0
11/21/2012	Frac Tank Bottoms	0	50	0
11/21/2012	Frac Tank Bottoms	0	10	0
11/21/2012	Frac Tank Bottoms	0	30	0
11/23/2012	Frac Tank Bottoms	0	2	0
11/23/2012	Frac Tank Bottoms	5	2	0
11/30/2012	Frac Tank Bottoms	4	0	0
12/4/2012	Frac Tank Bottoms	1	4	5
12/4/2012	Frac Tank Bottoms	3	10	0
12/6/2012	Frac Tank Bottoms	10	60	60
12/6/2012	Frac Tank Bottoms	10	20	0
12/12/2012	Frac Tank Bottoms	0	80	0
12/12/2012	Frac Tank Bottoms	0	80	0
12/12/2012	Frac Tank Bottoms	0	80	0
12/13/2012	Frac Tank Bottoms	3	5	0
12/14/2012	Frac Tank Bottoms	4	10	10
12/14/2012	Frac Tank Bottoms	4	10	10
12/17/2012	Frac Tank Bottoms	1	5	5
12/18/2012	Frac Tank Bottoms	3	15	15
12/19/2012	Frac Tank Bottoms	2	10	10
12/22/2012	Frac Tank Bottoms	0	15	15
12/26/2012	Frac Tank Bottoms	0.5	1	0
12/27/2012	Frac Tank Bottoms	1	15	15
Total		129.5	1564	300
11/7/2012	Produced Water Tank Bottoms	8	0	0
11/23/2012	Produced Water Tank Bottoms	8	5	0
12/5/2012	Produced Water Tank Bottoms	0	10	9
12/5/2012	Produced Water Tank Bottoms	1	35	30
12/11/2012	Produced Water Tank Bottoms	7	10	0
12/12/2012	Produced Water Tank Bottoms	1.5	5	0
Total		25.5	65	39

Table 2
Waste Manifest Summary 2012
Encana NSF Facility

Date	Disposal Facility	Truck Loads	Est. Load Quantity In (yds)	Est. Waste Out (yds)
11/7/2012	RNI - Blue Bell	1	18	18
11/8/2012	RNI - Blue Bell	3	18	54
11/9/2012	RNI - Blue Bell	4	18	72
11/12/2012	RNI - Blue Bell	4	18	72
11/13/2012	RNI - Blue Bell	5	18	90
11/15/2012	RNI - Blue Bell	4	18	72
11/16/2012	RNI - Blue Bell	5	18	90
11/19/2012	RNI - Blue Bell	4	18	72
11/20/2012	RNI - Blue Bell	4	18	72
11/21/2012	RNI - Blue Bell	6	18	108
11/23/2012	RNI - Blue Bell	4	18	72
11/26/2012	RNI - Blue Bell	4	18	72
11/27/2012	RNI - Blue Bell	2	18	36
12/10/2012	RNI - Blue Bell	2	18	36
12/13/2012	RNI - Blue Bell	3	18	54
12/14/2012	RNI - Blue Bell	4	18	72
12/26/2012	RNI - Blue Bell	1	18	18
Total		60		1080