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**BD
REPORTS**

DATE:

4-1-08

RICE *Operating Company*

122 West Taylor • Hobbs, NM 88240
Phone: (505) 393-9174 • Fax: (505) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 0220 0001 1736 0794

April 1, 2008

Mr. Wayne Price
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

COPY

RE: JUNCTION BOX UPGRADE REPORT for 2007
BD SWD SYSTEM
Lea County, New Mexico

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the Junction Box Upgrade results for the year 2007. Enclosed is a list of the completed junction boxes and their respective closure/disclosure dates. These boxes are located in the Blinbry-Drinkard (BD) Salt Water Disposal (SWD) System located in the vicinity of Eunice, New Mexico.

ROC completed 36 junction box sites in 2007. Junction box upgrades in 2008 will be conducted in conjunction with scheduled pipeline replacements.

Enclosed are the 2007 results (6 sites evaluated) from the PID/BTEX study described in the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). This comparison study is ongoing and data will continue to be collected in 2008. From the data collected thus far, no definitive conclusions can be drawn from the composite methods analyzed.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. Replacement/closure projects of this magnitude require System Partner AFE approval and work begins as funds are received.

Thank you for your consideration of this Junction Box Upgrade Report for 2007.

RICE OPERATING COMPANY

A handwritten signature in black ink that reads "Kristin Farris Pope". The script is cursive and fluid, with the first name "Kristin" and last name "Pope" being more prominent than the middle name "Farris".

Kristin Farris Pope
Project Scientist

enclosures as stated

cc: SC, MB, file, Mr. Chris Williams
 NMOCD, District I Office
 1625 N. French Drive
 Hobbs, NM 88240

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD
Site: jct. G-3-1

Date: 6/7/2007
Sampler: Noel Carmona

Laboratory: Cardinal Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE			
			(mg/kg)			
bottom composite at 16 ft BGS	1	150	<0.005	Toluene	Ethyl Benzene	Total Xylenes
	2	212				
	3	484				
	4	200				
	5	183				
			LAB COMPOSITE			
			(mg/kg)			
			<0.005	<0.005	<0.005	0.016

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum
Site: F-33 boot

Date: 10/2/2007
Sampler: Roy Rascon

Laboratory: Cardinal
Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	5 sample points	355	0.012	0.103	0.096	0.527
			LAB COMPOSITE (mg/kg)			
			0.025	0.189	0.076	0.589
excavation dimesions 30 x 30 x 12 ft						
4-wall composite	20 sample points	235	FIELD COMPOSITE (mg/kg)			
			<0.025	0.128	0.624	1.85
			LAB COMPOSITE (mg/kg)			
			<0.025	0.075	0.922	2.83

Field PID tests <100 ppm are considered final for BTEX. If PID is > 100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD
Site: N-32 vent

Date: 10/11/2007
Sampler: L. Bruce Baker

Laboratory: Cardinal Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-WALL COMPOSITE from 30 x 30 x 12 ft	NORTH wall	106	<0.001	<0.001	0.011	0.010
	SOUTH wall					
	EAST wall					
	WEST wall					
			LAB COMPOSITE (mg/kg)			
			<0.001	<0.001	<0.001	<0.003

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum Date: 9/13/2007 Laboratory: Cardinal Laboratories
 Site: C-33 boot Sampler: Roy Rascon

Location	Component	PID reading (ppm)	FIELD COMPOSITE		
			Benzene	Toluene	Ethyl Benzene Total Xylenes
bottom composite at 12 ft BGS	5 sample points	353	0.007	0.022	0.040 0.337
<i>excavation dimesions 30 x 30 x 12 ft</i>			LAB COMPOSITE		
			0.005	0.017	0.043 0.280

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.
 Revised Junction Box Upgrade Work Plan (July 16, 2003)

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD Date: 2/8/2007 Laboratory: Cardinal
 Site: F-23 vent (2 boxes) Sampler: Noel Carmona Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	5 sample points	122	<0.005	<0.005	0.024	0.036
			LAB COMPOSITE (mg/kg)			
excavation dimesions 25 x 25 x 12 ft			<0.005	0.027	0.326	0.546

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

2007 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME Date: 9/12/2007 Laboratory: Cardinal
 Site: jct. B-7 Sampler: L. Bruce Baker Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	5 sample points	1444	<0.002	<0.002	<0.002	<0.006
LAB COMPOSITE (mg/kg)						
<i>excavation dimesions</i> 30 x 30 x 12 ft			<0.002	<0.002	<0.002	0.017

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

BD → 1R426-

RICE Operating Company BD SWD System Junction Box Upgrade Project 2007 Completed Boxes								
		Legal Description						
	Jct Box Name	Unit	Sec	T	R	Completion Date	OCD Assessment Score	Report Status
1	Jct N-29	N	29	21S	37E	12/27/2002	10	Closure
2	Jct F-17-2	F	17	22S	37E	4/13/2006	10	Closure
3	L G Warlick EOL	A	19	21S	37E	4/17/2007	10	Disclosure
4	Jct J-18-1	J	18	22S	37E	4/11/2007	0	Closure
5	Jct E-23 Vent	E	23	21S	37E	3/2/2007	20	Closure
6	Jct J-32	J	32	21S	37E	3/27/2007	0	Closure
7	Zachary Hinton EOL	O	12	22S	37E	1/24/2007	10	Closure
8	Pogo Mattern EOL	L	30	21S	37E	3/14/2007	0	Closure
9	Jct I-18	I	18	22S	37E	9/22/2005	0	Closure
10	Jct E-20-1	E	20	21S	37E	3/6/2007	10	Closure
11	Jct K-7-3	K	7	22S	37E	7/13/2007	0	Closure
12	B. C. Operating EOL	A	24	21S	36E	7/19/2007	0	Closure
13	Jct B-4-3	B	4	22S	37E	8/3/2007	10	Closure
14	Rinewalt EOL	E	4	22S	37E	8/3/2007	10	Closure
15	Jct C-4-1 Vent	C	4	22S	37E	5/15/2007	10	Closure
16	Jct J-4	J	4	22S	37E	5/10/2007	10	Closure
17	BEC Corp Owen 'A'	E	3	22S	37E	8/8/2007	10	Closure
18	Jct P-35-1	P	35	22S	37E	7/27/2006	20	Disclosure
19	Jct J-18	J	18	22S	37E	4/11/2007	0	Closure

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20	Jct N-31 Vent	N	31	21S	37E	7/24/2007	0	Closure	P52
21	N-32 Vent	N	32	21S	37E	11/2/2007	40	Disclosure	P53
22	Jct K-7-1	K	7	22S	37E	11/30/2007	0	Closure	P54
23	Cone Anderson EOL	P	21	21S	37E	9/18/2007	10	Closure	P55
24	Chev Tex Hugh EOL	C	14	22S	37E	9/21/2007	10	Closure	P56
25	Jct L-30-3	L	30	21S	37E	9/13/2007	0	Closure	P57
26	Jct K-18-2	K	18	22S	37E	4/26/2007	0	Closure	P58
27	Chev Tex Baker 'B'	N	10	22S	37E	7/10/2007	10	Closure	P59
28	Falby EOL	M	8	22S	37E	9/14/2007	0	Closure	P60
29	Jct J-4-1	J	4	22S	37E	9/18/2007	0	Closure	P61
30	F-23 Vent	F	23	21S	37E	3/1/2007	30	Closure	P62
31	Henderson EOL	H	30	21S	37E	12/28/2007	0	Closure	P63
32	Jct K-23	K	23	21S	37E	2/26/2007	30	Closure	P64
33	Zia Cole 'A' EOL	G	16	22S	37E	9/12/2005	10	Closure	P65
34	Jct G-30	G	30	21S	37E	9/4/2007	0	Closure	P66
35	Jct D-5	D	5	20S	37E	2/2/2007	0	Closure	P67
36	Jct F-17-1	F	17	22S	37E	10/24/2005	10	Closure	P68

37 Jct J-26 bot J 26 21S 37E Closure 40 AP-75