



# AE Order Number Banner

## Report Description

**This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.**



**App Number: pKJ1517336044**

**1RP - 3680**

**BASIN ALLIANCE LLC**

HOBBS OCD

AUG 07 2015

RECEIVED

Basin Alliance LLC State AJ #1 SWD

Summary of events:

On June 13, 2015; Saturday around 6pm a thunderstorm (with heavy lightening) went through central Lea County. Basin Alliance LLC State AJ #1 located off of 62/180 and state road 483, received a direct strike on one of our oil storage tanks. It resulted in a total loss of our facility and the release of produce water and oil. Most of the oil was burnt off on site. The Hobbs, Monument and Knowles Fire departments responded. The fire was too hot to try to extinguish for the first couple of hours. We (Hugo Naegele and Robert Layton owners) sat there and watched it burn. The next morning we had equipment and personnel picking up P/W, oil and rain water. Once all the fluid was picked up and carried off to the proper disposal, we had a backhoe to pick up the contaminated soil and had it placed onto plastic on site. We started on emptying all the vessels containing any fluid. Once the vessels were emptied and the fluid hauled to the proper disposal, a crew started cutting up all the vessels and removed them off location. Before we could blade the location another storm passed by dumped around 2" of rain water and we had to wait for the ground to dry up. Two loads (260 bbls) of rain water were hauled off to a public SWD. A blade was then hired to scrape the top foot off the location pad and the soil was sent to a land farm. After the location was cleaned off, we had a third party to take soil samples and waited for the results. (Map and Results attached).

After reviewing the results; we would like to continue doing business on our location. We know the chlorides are high but they are not

RP 3680

GW v 60

screaming hot and we would like to build a facility in the same general area of the old tank battery (chlorides 688) lined with heavy plastic and start taking produce water, while continuing to cleaning up the site in phases to comply with NMOCD regulations.

Phase one: Work on the Southeast corner of the location to clean up the chlorides in that area. That was the area that most of the fluid flowed to.

Phase two: Start work on the southwest corner of the location to clean up the chlorides in that area.

Phase three: Clean up area three which was in the flow pattern 60' SE of the wellhead.

Phase four: Would be the area of the old battery site that would be at the time of plugging.

Daily reports:

June 14, 2015; Sunday around 7am, we called out two vacuum trucks, a roustabout gang and set two frac tanks to hold fluid. That day we picked up 1240 bbls of fluid. 980 bbls was put in the frac tanks and 260 bbls hauled to a public SWD.

June 15, 2015; we had three vacuum trucks emptying tanks and hauling to a disposal. A backhoe was used to gather up contaminated soil. A gang was used to help the trucks empty the tanks. Hauled 360 bbls of solids to Sundance disposal.

June 16, 2015; had two vacuum trucks were used to empty the tanks. A blade used to scape an area (that was not contaminated) to lay down the plastic. A gang was used to help with the plastic and to help clean the tanks. A backhoe used to pick up the contaminated soil.

June 17, 2015; we released the frac tanks. Three vacuum trucks were used to clean tanks and a pump truck to jet out the tanks. A backhoe used to pick up contaminated soil. The gang was used to help clean the tanks. Hauled 240 bbls of solids to Sundance disposal.

June 18, 2015; two vacuum trucks were used to clean out tanks and a transport to jet out. The gang was used to help clean the tanks. Hauled 240 bbls of solids to Sundance disposal.

June 19, 2015; two vacuum trucks from H2Oil to empty a tank.

June 22, 2015; rained

June 23-25, 2015 Cutting tanks

June 29, 2015; rained, cutting tanks.

June 30, 2015; had a frontend loader load contaminated soil to take to a land farm. Vacuum truck picked up 260 bbls of rain water to haul to a public disposal.

July 1, 2015; had a frontend loader load contaminated soil to take to a land farm. Vacuum truck used to picked up 130 bbls of rain water to haul to a public disposal.

July 2, 2015; had a frontend loader load contaminated soil to take to a land farm.

July 3, 2015; had a frontend loader load contaminated soil to take to a land farm.

July 6, 2015; had a frontend loader load contaminated soil to take to a land farm.

July 10, 2015; used a blade to clean off the whole location

July 13, 2015; used a backhoe to haul contaminated soil to a land farm

July 14, 2015; used a backhoe to haul contaminated soil to a land farm

July 15, 2015; used a backhoe to haul contaminated soil to a land farm and took soil samples.

July 16, 2015; used a backhoe to haul contaminated soil to a land farm



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**Analytical Results For:**

BASIN ALLIANCE  
HUGO NAEGELE  
P. O. BOX 1378  
HOBBS NM, 88241  
Fax To:

Received: 06/16/2015  
Reported: 06/17/2015  
Project Name: STATE AJ #1 SWD  
Project Number: NONE GIVEN  
Project Location: T 18S R36E SEC. 33 G

Sampling Date: 06/16/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: POOLING AREA 1 8" BGL (H501567-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2015	ND	1.76	88.2	2.00	1.88		
Toluene*	<0.050	0.050	06/16/2015	ND	1.76	88.1	2.00	1.47		
<b>Ethylbenzene*</b>	<b>0.063</b>	0.050	06/16/2015	ND	1.80	89.9	2.00	1.01		
Total Xylenes*	<0.150	0.150	06/16/2015	ND	4.95	82.4	6.00	0.0159		
Total BTEX	<0.300	0.300	06/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.4% 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2680</b>	16.0	06/17/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>13.5</b>	10.0	06/16/2015	ND	186	92.9	200	0.840		
<b>DRO &gt;C10-C28</b>	<b>365</b>	10.0	06/16/2015	ND	197	98.5	200	1.32		
<b>EXT DRO &gt;C28-C35</b>	<b>155</b>	10.0	06/16/2015	ND						

Surrogate: 1-Chlorooctane 104% 47.2-157

Surrogate: 1-Chlorooctadecane 138% 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BASIN ALLIANCE  
 HUGO NAEGELE  
 P. O. BOX 1378  
 HOBBS NM, 88241  
 Fax To:

Received: 06/16/2015  
 Reported: 06/17/2015  
 Project Name: STATE AJ #1 SWD  
 Project Number: NONE GIVEN  
 Project Location: T 18S R36E SEC. 33 G

Sampling Date: 06/16/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: POOLING AREA 2 8" BGL (H501567-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2015	ND	1.76	88.2	2.00	1.88		
Toluene*	<0.050	0.050	06/17/2015	ND	1.76	88.1	2.00	1.47		
Ethylbenzene*	<0.050	0.050	06/17/2015	ND	1.80	89.9	2.00	1.01		
Total Xylenes*	<0.150	0.150	06/17/2015	ND	4.95	82.4	6.00	0.0159		
Total BTEX	<0.300	0.300	06/17/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/17/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/16/2015	ND	186	92.9	200	0.840		
DRO >C10-C28	<10.0	10.0	06/16/2015	ND	197	98.5	200	1.32		
EXT DRO >C28-C35	<10.0	10.0	06/16/2015	ND						

Surrogate: 1-Chlorooctane 98.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BASIN ALLIANCE
HUGO NAEGELE
P. O. BOX 1378
HOBBS NM, 88241
Fax To:

Received: 07/16/2015 Sampling Date: 07/15/2015
Reported: 07/22/2015 Sampling Type: Soil
Project Name: STATE AJ #1 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia
Project Location: T 18S R36E SEC. 33 G-LEA CTY., NM

Sample ID: 60' SE OF WELLHEAD @ 1.5' (H501836-01)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PII) 115 % 85.6-137

Table for Chloride, SM4500Cl-B. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row: Chloride 3200, 16.0, 07/22/2015, ND, 416, 104, 400, 7.41.

Table for TPH 8015M. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows: GRO C6-C10, DRO >C10-C28.

Surrogate: 1-Chlorooctane 64.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Celey D. Keene (signature)

Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BASIN ALLIANCE  
HUGO NAEGELE  
P. O. BOX 1378  
HOBBS NM, 88241  
Fax To:

Received: 07/16/2015  
Reported: 07/22/2015  
Project Name: STATE AJ #1 SWD  
Project Number: NONE GIVEN  
Project Location: T 18S R36E SEC. 33 G-LEA CTY., NM

Sampling Date: 07/15/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: NW CORNER TANK BATTERY @ 1' (H501834-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2015	ND	1.91	95.6	2.00	2.71	
Toluene*	<0.050	0.050	07/21/2015	ND	1.90	94.9	2.00	2.58	
Ethylbenzene*	<b>0.100</b>	0.050	07/21/2015	ND	1.99	99.3	2.00	3.99	
Total Xylenes*	<b>0.275</b>	0.150	07/21/2015	ND	5.20	86.7	6.00	3.71	
Total BTEX	<b>0.376</b>	0.300	07/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>688</b>	16.0	07/22/2015	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<b>66.5</b>	50.0	07/20/2015	ND	196	97.8	200	0.213	
DRO >C10-C28	<b>1710</b>	50.0	07/20/2015	ND	213	107	200	14.6	

Surrogate: 1-Chlorooctane 69.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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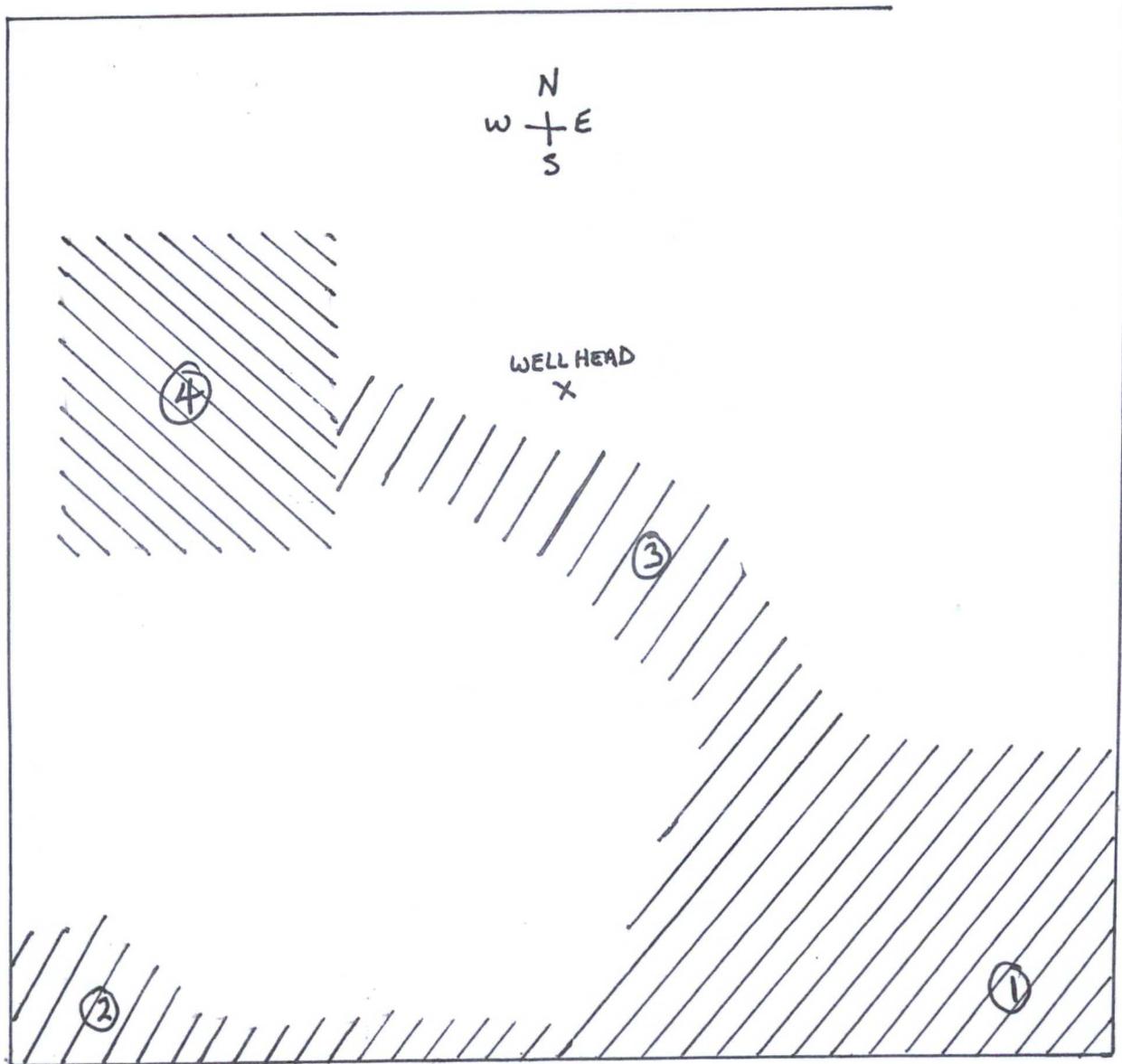
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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager

BASIN ALLIANCE ST. AJ #1 SWD



 - flow pattern

 - Old tank battery site

- 1) SE CORNER
- 2) SW CORNER
- 3) 60' SE WELL HEAD
- 4) Old tank battery site