

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Debbie Jarrell Well #1 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #3
Change in Site Name
Debbie Jarrell Well #1
Prestonsburg, KY
Latitude: 37.6880667 Longitude: -82.5947333

To: Jim Webster, USEPA R4 ERRB
Robby Francis, KYDEP

From: Art Smith

Date: 11/6/2014

Reporting Period: 9/29/2014 through 11/5/2014

1. Introduction

1.1 Background

Site Number:		Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/20/2013	Start Date:	11/20/2013
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E14412	Reimbursable Account #:	Z4XE

1.1.1 Incident Category

Inactive and abandoned natural gas production well.

1.1.2 Site Description

1.1.2.1 Location

The site is located at 11767 Kentucky Route 194, Prestonsburg, Floyd County, KY. The coordinates for the well are N 37.6880667 and W82.5947333. The well is immediately adjacent to an unnamed surface water body which is a tributary to Johns Creek which is located about 1,200 feet downgradient of the well site.

1.1.2.2 Description of Threat

Crude oil discharged from the gas well into Johns Creek, which forms Dewey Lake, and which discharges into the Levisa Fork of the Big Sandy River approximately 23.5 miles downstream of the leak site. The Big Sandy River is a navigable water of the United States.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On 11/19/2013, the Kentucky Department of Environmental Protection (KDEP) responded to a report of an oil spill into Johns Creek. The KDEP responder observed crude oil in the small unnamed tributary of Johns Creek. The oil was observed to be coming out around the casing of an old gas well located on the right hand side of the creek approximately fifty feet from the last residence in the hollow. A responsible party could not be located for the well, so a contractor was hired to perform the clean-up. EPA OSC Ball issued a Pollution Response Funding Authorization (PRFA) to KDEP to cover the costs of the oil spill response.

On 12/09/2013, OSC Smith and KDEP visited the site to inspect the well site. At that time, no crude oil was observed at land surface, although a rainbow sheen was present in the small tributary. (See pictures under the images tab of the website www.epaosc.org/deweylakeoilwell).

On 09/12/2014, the Kentucky Division of Oil and Gas (KDOG) referred this well to EPA for plugging and proper abandonment. KDOG has classified the well as Permit No. N22058, and labeled it Debbie Jarrell Well #1.

On 10/3/2014, the OSC contacted Nytis Exploration (Nytis), who holds a lease to operate gas production wells on this parcel. The OSC inquired about production records for the November 2013 timeframe, specifically in an attempt to see if any decrease in production at that time could account for buildup of pressure at Jarrell #1. On 10/9/2014, Nytis responded to the OSC's request. In their response, Nytis

disclosed that there had been a decrease in gas production at the same time that the oil discharge had been discovered. The OSC then contacted the property owner, who confirmed that the oil discharge had subsided in the period of time when Nytys subsequently returned to full gas production on this lease.

On 11/05/2014, the site was re-named from Dewey Lake Oil Well to Debbie Jarrell Well #1.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

KDEP deployed boom into John's Creek to contain the spill. Cleanup commenced on November 20, 2013 and included construction of a containment pit around the well and an underflow dam in the unnamed tributary. The cleanup activities were completed the following day, and the remaining activities consisted of periodic checks to ensure the absence of crude oil in surface water

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

There are no records for this well in the Kentucky Geological Survey Oil and Gas Database. On 1/17/2014, the KDOG sent a notice of violation to the unknown operator, indicating that the well was improperly abandoned. The OSC will attempt to identify PRPs for this facility, which will include searching records to investigate the history of oil and gas development on this parcel.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

In November 2014, the OSC will visit the site to update current conditions of the well, obtain access to the site from the property owner, and gather records for purposes of identification of additional PRPs for this Site.

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

A PRFA was issued to KY DEP for \$20,000

On 11/5/2014, an additional \$30,000 in funding was obligated by the USCG National Pollution Funds Center (NPFC) to cover costs of the continued investigation needed to identify Potentially Responsible Parties (PRPs) for this Site.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
PRFA	\$17,396.00	\$0.00	\$17,396.00	100.00%
START	\$10,000.00	\$0.00	\$10,000.00	100.00%
Intramural Costs				
USEPA - Direct	\$13,000.00	\$0.00	\$13,000.00	100.00%
USEPA - InDirect	\$9,604.00	\$0.00	\$9,604.00	100.00%

Total Site Costs	\$50,000.00	\$0.00	\$50,000.00	100.00%
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* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

None

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

POLREP #3 Last Updated 12/2/2014