

3R - 395

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

2005-2002

**FANNIE WARD #1**  
**February 2, 2005**

A. PURPOSE

To remediate and close 2 unlined production pits as part of the OCD's plugging and abandonment of the Fannie Ward #1 well site located between Flora Vista and Aztec, New Mexico.

B. BACKGROUND INFORMATION

On March 22, 2002, the OCD's contractor completed plugging and abandonment operations for the OCD at the Fannie Ward #1 well site. The Fannie Ward #1 well site is located in Unit K of Section 18, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico. The location is less than 200 feet north of the Animas River. An unlined separator pit and an unlined tank drain pit are located on the site. Subsequent to the P&A activities, the OCD's contractor (Envirotech) was performing contract obligations for surface remediation when the separator pit was determined to have contamination that reached the ground water. Although limited to about a four foot by six-inch area, yellow paraffin appeared on the ground water at approximately five feet depth. Subsequent investigation of the tank drain pit showed contamination starting at a depth of approximately three feet and ground water at approximately four feet. At this point the OCD contractor ceased work due to limited remaining budgeted funds under the contract.

C. PLAN OF ACTION

Site remediation activities have been completed. The pit has been remediated. We have no photos of the remediated site. On Ed Martin's next trip to the NW, he will get pictures of the site as it exists today. In the opinion of the Environmental Bureau, no further action is required. Due to the proximity of the river, any attempts at groundwater abatement may be more injurious than beneficial. This site should be closed.

**FANNIE WARD #1 PIT REMEDIATION**  
(April 10, 2003)

A. PURPOSE

To remediate and close 2 unlined production pits as part of the OCD's plugging and abandonment of the Fannie Ward #1 well site located between Flora Vista and Aztec, New Mexico.

B. BACKGROUND INFORMATION

On March 22, 2002, the OCD's contractor completed plugging and abandonment operations for the OCD at the Fannie Ward #1 well site. The Fannie Ward #1 well site is located in Unit K of Section 18, Township 30 North, Range 11 West, San Juan County, New Mexico. The location is less than 200 feet north of the Animas River. An unlined separator pit and an unlined tank drain pit are located on the site. Subsequent to the P&A activities the OCD's contractor was performing contract obligations for surface remediation when the separator pit was determined to have contamination that reached the ground water. Although limited to about a four foot by six inch area, yellow paraffin appeared on the ground water at approximately five feet depth. Subsequent investigation of the tank drain pit showed contamination starting at a depth of approximately three feet and ground water at approximately four feet. At this point the OCD contractor ceased work due to limited remaining budgeted funds under the contract.

C. PLAN OF ACTION

1. Issue a soil remediation and ground water monitoring well Scope of Work to contractors for price estimates.
2. Approve a contractor.
3. Contractor initiation of scope of work.
4. Contractor report on completion of soil remediation and ground water sampling activities.
5. Evaluate report and determine need for additional investigation or abatement of ground water contamination.

30-045-09481

**Olson, William**

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**From:** Foust, Denny  
**Sent:** Thursday, December 19, 2002 9:03 AM  
**To:** Olson, William  
**Cc:** Chavez, Frank; Perrin, Charlie  
**Subject:** SOUTHWEST PRODUCTION FANNIE WARD #1

BILL,  
ROGER INDICATED YOU WERE MAKING THE DECISIONS ON ADDITIONAL REMEDIATION AT THIS SITE, THERE HAS BEEN ONE RELATIVELY MINOR GROUND WATER IMPACT AT A PIT NEAR THE WELL HEAD AND POTENTIAL FOR ADDITIONAL IMPACTS A THE OLD PRODUCTION BATTERY, CONFINED WITHIN THE BERMS, PROBABLY SOME ONE DRAINED PRODUCED WATER INTO THE BERMS. GROUND WATER IS AT FOUR FEET PLUS OR MINUS. THIS OLD WELL WHICH WE P&A IN THE SPRING IS WITHIN 20 FEET OF THE ANIMAS RIVER. DAVE BROOKS INDICATES THEIR IS \$10,000 LEFT ON THE BOND IF WE NEED TO DO ADDITIONAL TESTING. WILL WE NEED A NEW CONTRACT ETC.

GIVE ME A CALL AND WE CAN TALK ABOUT THIS WELL BUT IT MAY BE JANUARY 2ND BEFORE WERE BOTH IN THE OFFICE.

April 4, 2002

**FANNIE WARD #1 RFA MODIFICATION  
SCOPE OF WORK DESCRIPTION**

The 8'x 8' separator pit is excavated, possibly another four or five yards of residual material is left. Only about half of this volume would have any contamination. The tank drain pit is approximately 20'X 40' with about 6" of contamination just above the cobbles and water table. This layer is about 4 feet deep. The contaminated layer may extend southwest under the old tank pad. Approximately 60-75 cubic yards of contaminated material will need to be treated on site or hauled off site. The cobbles are generally less than six inches in diameter down to gravel and compactly bedded. The river runs on the east and south sides of the location. The Maralax Scott #1 is located 80' north and 130' east of the Fannie Ward #1.

Blagg Engineering has used stainless steel drive points with success in cobbles. The points were driven with a rig. The points are available in two or three foot sections apparently from Grainger locally in Farmington. The drive points inside diameter limits their volume which must be sampled with a one inch to one and one quarter inch bailer. Drive points might be used to evaluate ground water contamination after excavation is complete. Three excavations to ground water on each pit to obtain a water sample, 10 feet from the limit of the pit contamination excavation might serve to clear this site at the discretion of the hydrologist.

Approximately to Scale  
Fannie Ward #1



Access Road



Scott #1



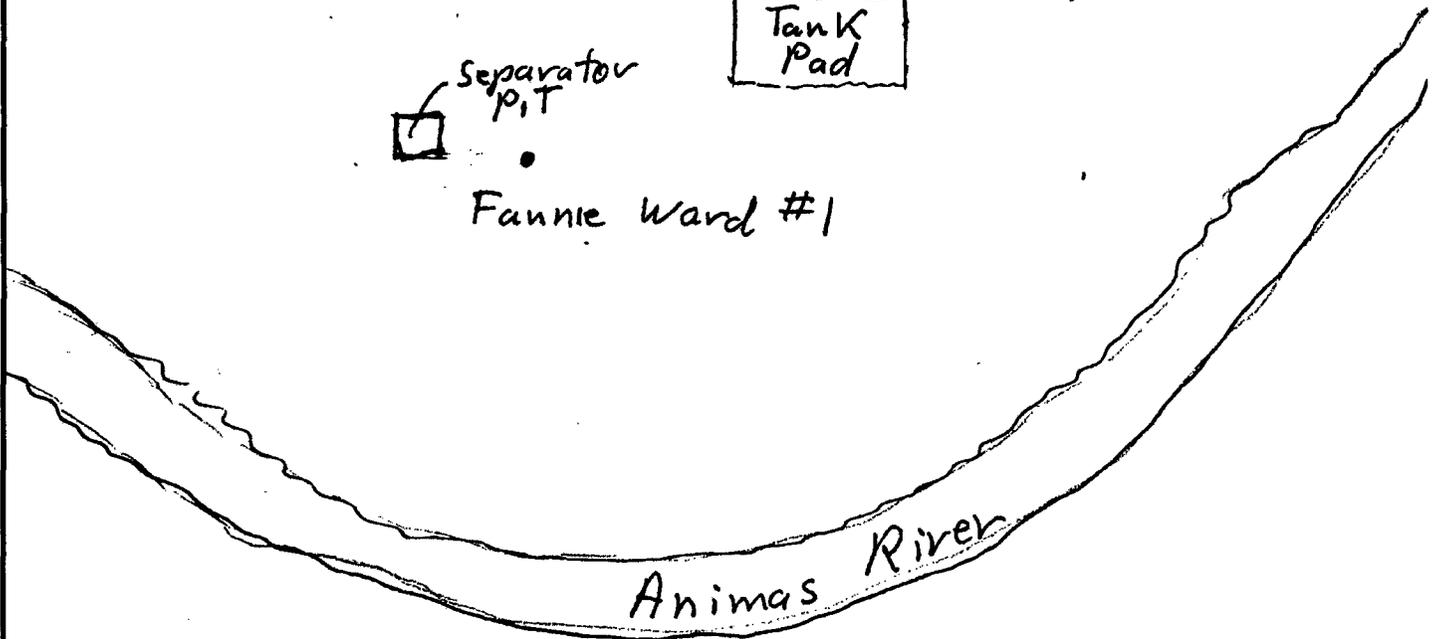
Tank Drain

Tank Pad

separator pit



Fannie Ward #1



Animas River

**Olson, William**

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**From:** Foust, Denny  
**Sent:** Wednesday, April 03, 2002 3:44 PM  
**To:** Anderson, Roger; Brooks, David K; Olson, William  
**Cc:** Perrin, Charlie; Chavez, Frank  
**Subject:** FANNIE WARD #1 POTENTIAL GROUNDWATER CONTAMINATION

I AM ENCLOSING THE SAME WORD DOCUMENT AS PREVIOUSLY WITH SOME ATTACHED PHOTOS. bill OLSON NEEDS TO GIVE HIS OPINION ON TESTING REQUIREMENTS FOR THIS SITUATION BEFORE I CAN MAKE ANY



RFA Sothwest  
Fannie Ward #1.1....



FW\_1.jpg



FW\_2.jpg



FW\_3.jpg



FW\_4.jpg

KIND OF RECOMMENDATION.



FW\_7.jpg

March 28, 2002

RFA CONTRACT-KEY ENERGY SERVICES  
SUBCONTRACTOR ENVIROTECH

*FOR*

SOUTHWEST PRODUCTION COMPANY  
FANNIE WARD #1  
K-18-30N-11W  
San Juan County, New Mexico

Key completed down hole operations by March 22, 2002. Envirotech was performing contract obligations for surface clean up on March 27, 2002 when the separator pit was determined to have contamination that reached the ground water. Although limited to about a 4' X 6' area yellow paraffin appeared on the ground water at approximately four feet depth. The location is less than 200 feet north of the Animas River between Aztec and Flora Vista. Subsequent investigation of the tank drain pit showed contamination starting at depth of approximately three feet and ground water at approximately four feet. Cobbles start at about four feet depth. At this point we will have exhausted budgeted funds and approved additions. I recommend treating the contamination as an extension of the contract but we are looking at a minimum of six very shallow monitor wells. We will need to excavate the tank drain pit contamination and land farm it on site probably a minimum of 100 cubic yards. I would recommend spraying the ground water with oxidizer in the excavations but Bill Olson will need to determine the extent of testing and the necessary monitor wells although I believe it will take at least six since the pits are 200 feet apart.

DGF

FANNIE WARD #1  
04/03/02, P&A  
SEP PIT



FW #1, 04/03/02  
TANK DRAIN PIT



FW #1, 04/03/02  
SEP AND TANK DRAIN PITS  
FENCED, SCOTT #1 WELL IN BACK  
GROUND. RIVER 200' RIGHT(EAST)



FW #1, 04/03/02 VIEW  
ACROSS TD PIT, SOUTH  
TO SEP PIT & RIVER

