



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

September 9, 2003

Mr. David Turrentine
Turrentine Oil & Gas

Re: Sample Plan Approval Request: **Great Western Federal Tank Battery**
Site Reference UL- M, Sec - 28 T-9S R-38E
Eddie Seay, Agent for Turrentine Oil & Gas, Letter Date: August 29, 2003

Dear Mr. Turrentine,

The Sample Delineation Plan Proposal submitted to the New Mexico Oil Conservation Division (NMOCD) by Mr. Eddie Seay for Turrentine Oil & Gas is **hereby approved** with the following condition:

- If the proposed sample plan does not adequately define horizontal and vertical delineation of contamination, the plan will be modified to determine the extents.

Please be advised that OCD approval of this plan does not relieve Turrentine Oil & Gas liability should their operations fail to adequately investigate contaminants that threaten ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Turrentine Oil & Gas of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please feel free to call or e-mail me at (505) 393-6161, x111 or email lwjohnson@state.nm.us

Sincerely,

Larry Johnson - Environmental Engineer

Cc:

Chris Williams - District I Supervisor
Bill Olson - Hydrologist
Paul Sheeley-Environmental Engineer

*Turrentine - 158919
Facility - PPAC 0604055103
Application - PPAC 0604055174*

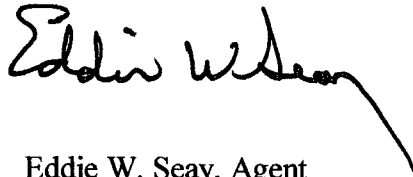
WORK PLAN GREAT WESTERN TANK BATTERY

For the investigation portion of the work plan, Turrentine plans to use a backhoe to delineate the vertical and horizontal extent of the contamination. A backhoe will be used to take samples at various locations noted on attached map, plus any other test site that the OCD or BLM deem necessary. The backhoe has the ability to take samples to approximately fifteen (15) feet. Samples will be taken at two (2) feet, five (5) feet, ten (10) feet and TD on each excavated area. Sampling will be taken and processed according to OCD guidelines for leaks, spills and releases. Turrentine will perform the testing phase within 30 days of approval.

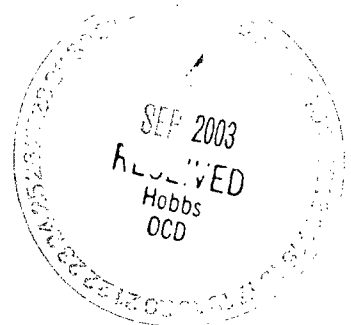
Once the analytical has been reviewed, a remediation plan can be discussed with the regulatory agencies involved, and a formal plan for cleanup will be filed. Turrentine will notify OCD and BLM of all activities.

If you have any questions, please call.

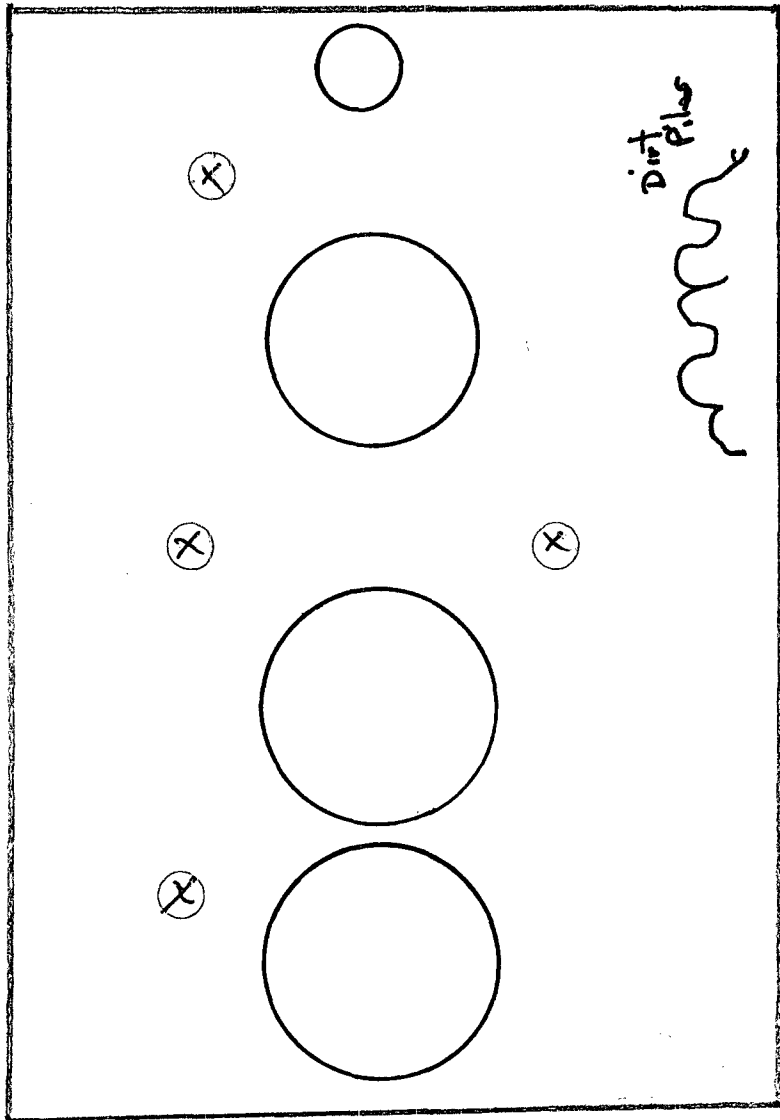
Sincerely,



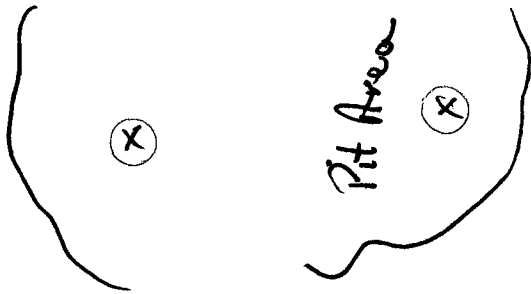
Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236



Great Western Tank Battery



X Proposed sampling points



July 18, 2003

NMOCD Environmental
ATTN: Larry Johnson
1625 N. French Drive
Hobbs, NM 88240-1750

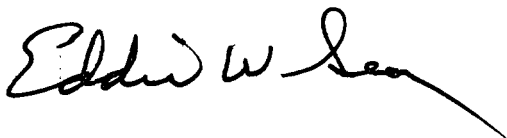
RE: Turrentine Oil & Gas
Work Plans

Mr. Johnson:

Find within work plans for the two sites located North of Bronco, NM, on the Gandy Ranch. I have included photos and water chemistry of the Gandy Windmill and a water well located approximately 2 miles West of the Gandy well.

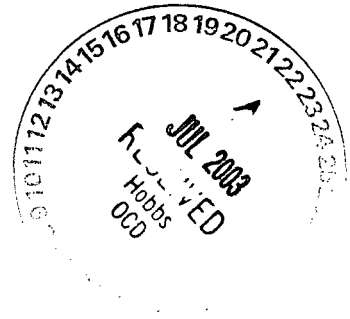
We appreciate your time, and if you have any questions, please call.

Sincerely,



Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

cc: Paul Evans, BLM



Turrentine Oil & Gas Inc.

Work Plan

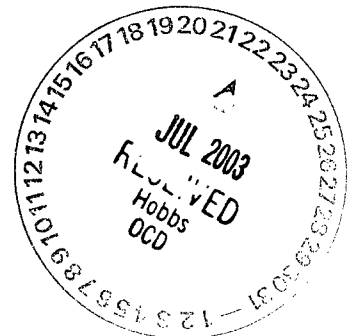
8-20-03 8 AM
TALK W/EDDY.
REQUEST THAT HE
SUBMIT A DETAILED
SAMPLE PLAN, DATE
OF ANTICIPATED WORK
PLAN. THAT THIS

Great Western Federal

SUBMITTAL IS TOO
VAGUE TO ACCEPT.
NO MENTION OF
PIT CLOSURE ON
GREAT WESTERN FED

Unit M Section 28, Tws. 9 S., Rng. 38 E

Lea Co., NM



**Work Plan
Turrentine Oil & Gas
Great Western Federal Tank Battery
Sect. 28, Tws. 9 S., Rng. 38 E.**

Purpose:

The purpose of this work plan is to cleanup and remediate in and around the battery site due to years of leaks and discharges. There were no new discharges, only landowner concerns and government compliance. This plan will allow remediation in a manner that will protect the environment and the groundwater surrounding the subject location.

Investigation:

Turrentine Oil & Gas proposed to use a backhoe to determine the vertical and horizontal extent of the oil contamination. Samples will be taken and screened on location using a PID for BTEX and sending final soil samples to the laboratory for TPH and chloride concentrations.

Method:

First of all, Turrentine plans to remove the existing battery and reconstruct the facility near the entrance to the lease.

Turrentine plans to excavate the highly contaminated soils and dispose this in an OCD approved landfarm facility. We also plan to mix and blend some of the lower contaminated material to a target limit set forth in the OCD "Guidelines for Remediation of Leaks, Spills and Releases". Based on the ranking score, we have a 1000 ppm TPH limit at this site.

The site will be restored to as close to original as possible, and contoured and seeded.

Turrentine Oil and Gas will notify the OCD and BLM before starting any work. All analytical data and sampling information will be provided in a report.

Turrentine Oil & Gas will follow all environmental and safety guidelines in it endeavor to remediate this site.

Please let me know if you approve.

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO: (505) 392-6949

Receiving Date: 06/10/03
Reporting Date: 06/15/03
Project Owner: D. TURRENTINE
Project Name: GANDY/TURRENTINE
Project Location: NW TATUM, NM

Sampling Date: 07/10/03
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER SAMPLE ID	P-Alkalinity (mg/L)	T-Alkalinity (mg/L)	Hardness (mg/L)	Chloride (mg/L)	Sulfates (mg/L)	pH (s.u.)
ANALYSIS DATE	07/14/03	07/14/03	07/14/03	07/14/03	07/14/03	07/14/03
H7798-1 TG #1 <i>Gandy</i>	0	179	272	120	51.6	7.71
H7798-2 TB #1 <i>Bulbong</i>	0	212	266	92	39.6	7.58
Quality Control	NR	NR	55	1020	54.39	7.01
True Value QC	NR	NR	50	1000	50.00	7.00
% Recovery	NR	NR	110	102	109	100
Relative Percent Difference	NR	NR	0	0	0.7	0.6
METHODS: EPA 600/4-79-02	-	-	130.2	325.3	375.4	150.1
Standard Method	2320 B	2320 B	-	-	-	-

LAB NUMBER SAMPLE ID	Hydroxides (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Conductivity (umhos/cm)	TDS (mg/L)
ANALYSIS DATE	07/14/03	07/14/03	07/14/03	07/14/03	07/15/03
H7798-1 TG #1	0	0	219	1091	599
H7798-2 TB #1	0	0	258	889	533
Quality Control	NR	NR	1068	1322	NR
True Value QC	NR	NR	1000	1413	NR
% Recovery	NR	NR	107	93.6	NR
Relative Percent Difference	NR	NR	7.7	0.7	12.1
METHODS: EPA 600/4-79-02	-	-	-	120.1	160.1
Standard Method	2320 B	2320 B	2320 B	-	-

Amy Hill
Analyst

6/15/03
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or processors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

[illegible]

