

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Burlington Resources Telephone: (505) 326-9700

Address: 3535 E. 30th Street Farmington, NM 87401

Facility Or: Patterson C Com # 1
Well Name

Location: Unit or Qtr/Qtr Sec P Sec 8 T 31N R 12W County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Abandoned

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 15 ft width 15 ft depth 2 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 70 ft

Direction from reference: 60 Degrees _____ East North _____
_____ X _____ West South X

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>>100 feet</u>	Less than 50 feet	(20 points)	
		50 ft to 99 feet	(10 points)	
	<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>

Wellhead Protection Area: (less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources).		Yes	(20 points)	
	<u>X</u>	No	(0 points)	<u>0</u>

Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)		Less than 200 feet	(20 points)	
		200 feet to 1000 feet	(10 points)	
	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\PrC@.WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 5/17/99Date Completed: 5/17/99

Excavation _____

Approx. cubic yards 0

Landfarmed _____

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite _____

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 5/17/99, the pit was sampled at a depth of 5 feet. A soil sample was obtained from the center bottom of the pit at a depth of 5 feet (3 feet below pit bottom) utilizing U.S.E.P.A. protocol and sent to Acculabs Inc. for GRO/DRO analysis. Results provided concentrations below NMOCD guidelines.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Closure Sampling:
(if multiple samples,
attach sample resultsand diagram of sample
locations and depths)Sample location Center BottomSample depth 5 feetSample date 5/17/99Sample time 11:36

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 54TPH <2.0Ground Water Sample: Yes _____ No X (if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

DATE 7/1/99PRINTED NAME Ed HaselySIGNATURE Ed Haselyand TITLE Sr. Staff Environmental Representative

Client: Burlington ResourcesDate Started: May 17, 1999 Date Completed: May 17, 1999Location: Patterson C Com # 1Quad: P Section: 0254Range: 12W Township: 31NPit: AbandonedReference: 70° S 60 degrees W

from wellhead

Initial Size: 15' x 15' x 2' deepFinal Size: 15' x 15' x 2' deepYds. Excavated: 0

Depth to Groundwater:

Nearest Water Source:

Nearest Surface Water:

NMOCD Ranking Score:

TPH Closure Standard:

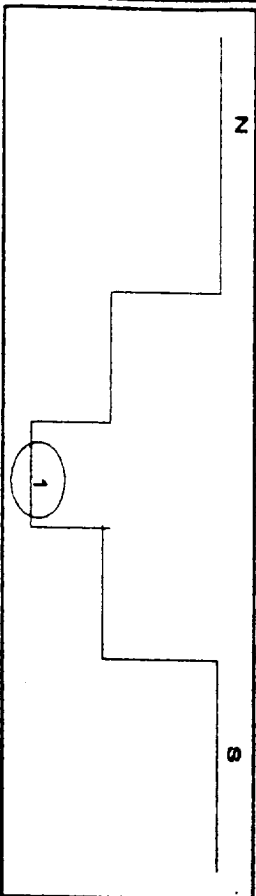
Sample #	Location	QVM
1	Cr Btm @ 5'	54
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Comments:

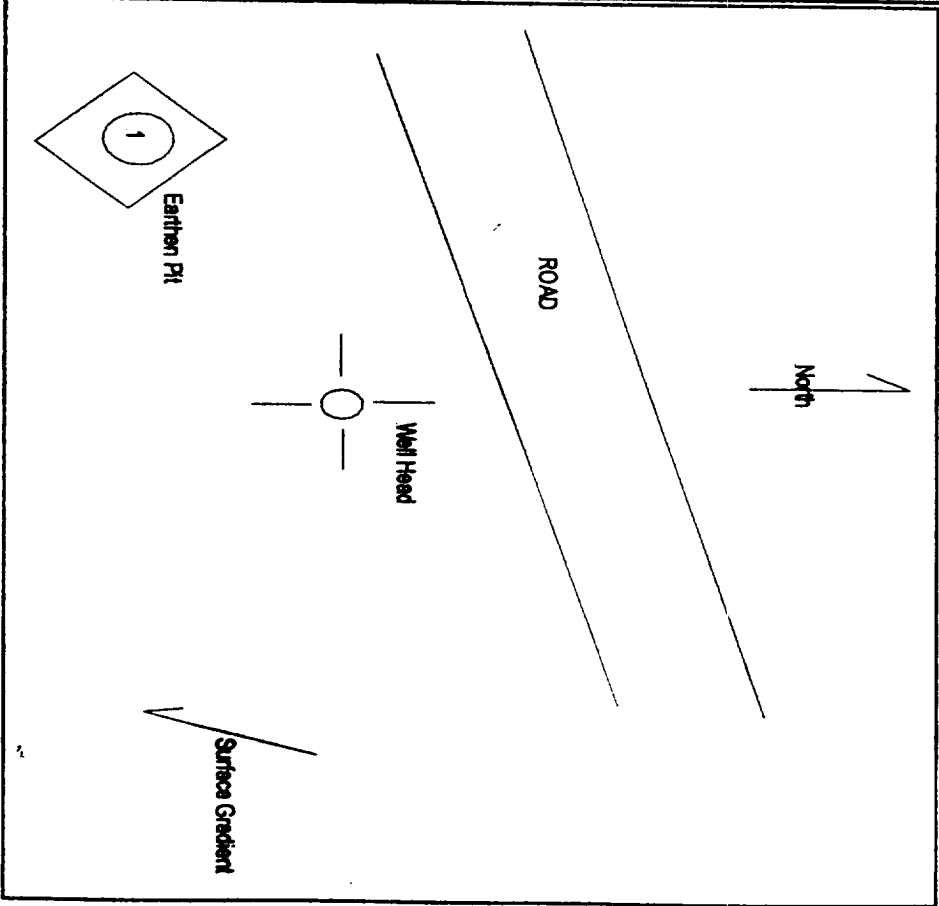
Soil is moist, brown clay/clay loam. Slight staining and odor @ 3 feet below pit bottom.

Soil sample was taken at center bottom at 5 feet and sent to Acculabs for GRO/DRO analysis.

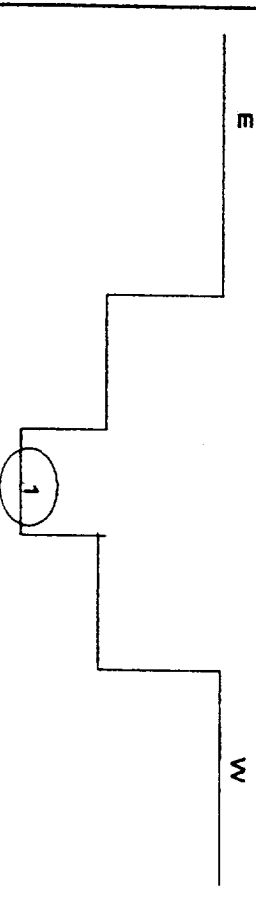
Pit Profile : North to South :



Overview of Location and Sampling :



Pit Profile : East to West :





Acculabs Inc.

Durango

75 Suttle Street, Durango CO 81301 ■ 970-247-4220 ■ Fax 247-4227

Cimarron Environmental Services
PO Box 3235
Farmington, NM 87401
Attention: Frank McDonald

Acculabs I.D.: 07-905-045-07

Date Received: 05/20/99

Date Reported: 05/27/99

QC Batches:

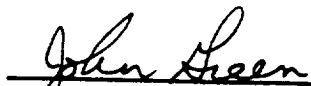
PROJECT NAME: Burlington
PROJECT NUMBER: 0
SAMPLE I.D.: Patterson C Com #1

Sample Date: 5/17/99, 05/19/9

Sample Matrix: Soil

RESULTS

PARAMETER	METHOD	REPORT LIMIT	RESULT	DIL	DATE UNITS ANALYZED	ANALYST
GRO/DRO	8015		See Attached			


John Green, Laboratory Manager

Tempe ■ Tucson ■ Flagstaff ■ Davis/Sacramento ■ Durango ■ Golden ■ Sparks/Reno



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 • 530-757-0920 • Fax 753-6091

Sample Log 20048

20048--07

Sample: 07-905-045-07

From : (Proj. # 07-905-045)

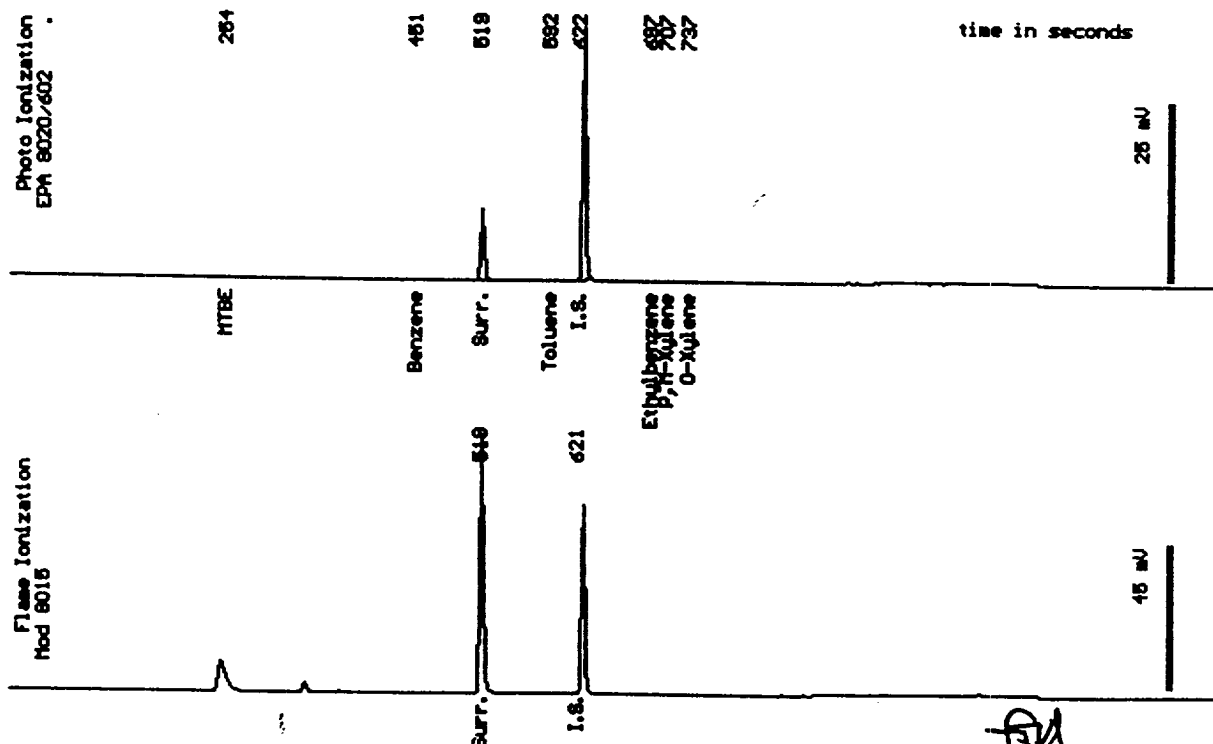
Sampled : / /

Dilution : 1:1

Matrix : Soil

Run Log : 2180N

Parameter	(MRL) $\mu\text{g/kg}$	Measured Value $\mu\text{g/kg}$
TPH as Gasoline	(1.0)	<1.0
Surrogate Recovery		102 %



Date Analyzed: 06-26-99
Column: 0.53mm X 60m Restek Rtx-1301

Stewart Rodolsky
Senior Chemist



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 ■ 530-757-0920 ■ Fax 753-6091

Sample Log 20048

20048-07

Sample: 07-905-045-07

From : (Proj. # 07-905-045)

Sampled : / /

Extracted: 05/24/99

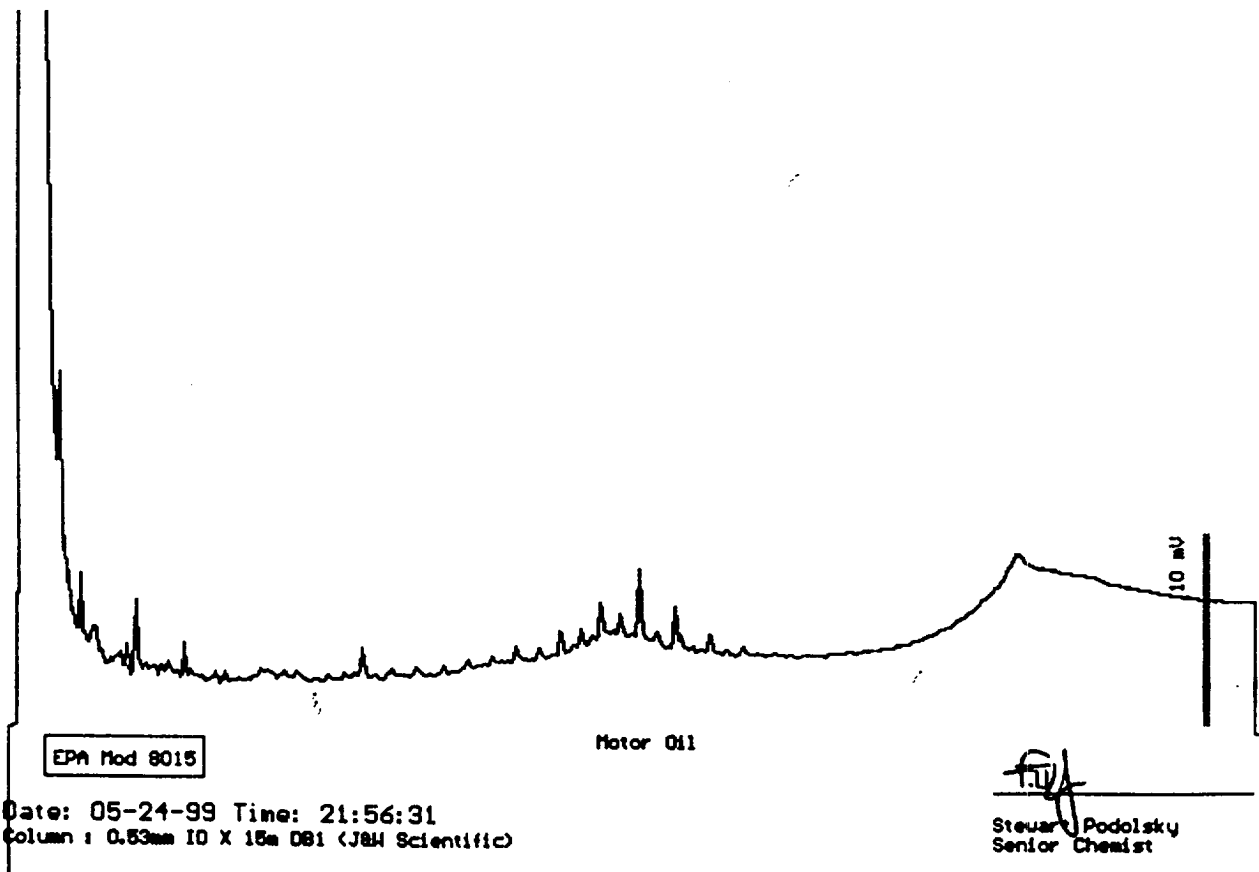
Dilution : 1:1

Matrix : Soil

QC Batch : DS990506

Run Log : 7437H

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



Acculabs Inc.

May 25, 1999

QC Report
TPH Diesel by 8015 Mod

QC Batch: DS990506

Matrix: Soil

Spike and Spike Duplicate Results

Parameter	Matrix Spike (%Rec)	Matrix Spike Dup. (%Rec)	RPD %
TPH as Diesel	101	103	2

Laboratory Control Spike

Parameter	Laboratory Control Spike (%Rec)
TPH as Diesel	99

Method Blank

Parameter	MDL(mg/Kg)	Measured Value(mg/Kg)
TPH as Diesel	(1.0)	<1.0
TPH as Motor Oil	(10)	<10



Tom Kwoke
Lab Director

Acculabs Inc.

May 25, 1999

Sample Log 20048

QC Report for EPA 8020 & Modified EPA 8015

Run Log : 2180K

From : (Proj. # 07-905-045)

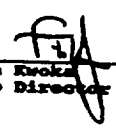
Sample(s) Received : 05/20/99

Parameter	Matrix Spike % Recovery	Matrix Spike Duplicate % Recovery	RPD *
Benzene	105	103	2
Ethylbenzene	98	96	2
TPH as Gasoline	102	104	2

* RPD = Relative Percent Difference

Parameter	Laboratory Control Sample % Recovery
Benzene	99
Ethylbenzene	97
Gasoline	98

Parameter	Method Blank
Benzene	<0.005 mg/Kg
Toluene	<0.005 mg/Kg
Ethylbenzene	<0.005 mg/Kg
Total Xylenes	<0.005 mg/Kg
TPH as Gasoline	<1.0 mg/kg


Tom Kroka
Lab Director

Acculabs Inc.

F8733 Rev. A

[] 1725 W. 17th. St. Tempe AZ 85281
 [] 4455 S. Park Ave. Tucson AZ 85714
 [] 2029 N. 4th St. Flagstaff AZ 86004
 [] 1046 Olive Drive Davis CA 95616
 [] 75 Suttle St. Durango CO 81301
 [] 4663 Table Mountain Dr. Golden CO 80403
 [] 992 Spice Islands Dr. Sparks NV 89431

602-967-1310 Fax 967-1019
 520-807-3801 Fax 807-3803
 520-774-7643 Fax 774-7648
 530-757-0920 Fax 753-6091
 970-247-4220 Fax 247-4227
 303-277-9514 Fax 277-9512
 775-355-0202 Fax 355-0817

Lab Number

07-905 045 7

Report

Due Date:

Client Burlington Resources Limited

Fax Results Y N

Page of

Address

PUBLIC WATER SUPPLY INFORMATION

City, State & Zip Farmington, NM 87401

System Name

Contact Frank McDonald

PWS No.

Report to State/EPA Y N

Phone (505) 327-4787

Collector's Name Virgil Chavez

POE No.

DWR No.

Fax

Project Name Patterson C. Conn #1

Collection Point C Btm 25'

P.O. Number

Project Number

Location (City)

SAMPLE TYPE/CODES

DW = drinking water TB = travel blank
 WW = waste water SD = solid
 MW = monitoring well SO = soil
 HW = hazardous waste SL = sludge

Compliance Monitoring

Y N

Analyses Requested

TURNAROUND TIME REQUESTED

Standard X

Lab Manager Approval

RUSH

Special

CLIENT'S SAMPLE ID/LOCATION

Date Time

Patterson C. Conn #1

5/20/99

11:36

SO

1

Spl. No.

Instructions/Comments/Special Requirements:

SAMPLE RECEIPT

Date

Time

Samples Relinquished By

Samples Received By

Received Cold Y N

5/20/99

15:50

Custody Seals Y N

Seals Intact Y N

No. of Containers

Acculabs' terms are: Net 40 (Payment must be received by the date shown on the invoice or any discount is void)