

Denny E. Faust JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
DEPUTY OIL & GAS INSPECTOR P.O. BOX 507

DULCE, NEW MEXICO 87528

NATURAL RESOURCE DEPT

PIT REMEDIATION AND CLOSURE REPORT

Operator: Golden Oil Company Telephone: (713) 622-8492

Address: 550 Post Oak Boulevard, Suite 550 Houston, Texas 77027

Facility or Well Name: Jicarilla 71-14

Location: Unit or Qtr/Qtr Sec H Sec 10 T 23N R 4W County Rio Arriba

Pit Type: Separator_____ Dehydrator_____ Other_____ Production Tank

Land Type: Range

Pit Location: Pit dimensions: length 15', width 15', depth 9'

(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 102'

Direction from reference: 50 Degrees East North

X West of South X

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet (20 points)

50 feet to 99 feet (10 points)

Greater than 100 feet (0 points)

0

Distance to an Ephemeral Stream

(Downgradient dry wash greater than ten feet in width)

Less than 100 feet (10 points)

Greater than 100 feet (0 points)

0

Distance to Nearest Lake, Playa, or Watering Pond

(Downgradient lakes, playas and livestock or wildlife watering ponds)

Less than 100 feet (10 points)

Greater than 100 feet (0 points)

0

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)

No (0 points)

0

Distance To SurfaceWater:

Distance to Surface Water:
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 100 feet (20 points)

100 feet to 1000 feet (10 points)

Greater than 1000 feet (0 points)

D

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: June 18, 1997 Date Completed: October 10, 1997

Remediation Method: Excavation X Approx. cubic yards 54
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
Other _____

Remediation Location: Onsite X Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 4 wall composite

Sample date 10-10-97 Sample time 1239

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>.2</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>152</u>	Total Xylenes (ppb)	_____

Groundwater Sample: Yes _____ No X (If yes, attach sample results)

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

DATE December 22, 1997 PRINTED NAME Frank McDonald

SIGNATURE Frank McDonald AND TITLE Environmental Specialist

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON) _____

SIGNED: Kurt C. Mamm DATE: 2-6-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Frank McDonald*
Company: *Cimarron Oilfield Service*
Address: *P.O. Box 3235*
City, State: *Farmington, NM 87401*

Date: *15-Oct-97*
COC No.: *6521*
Sample No.: *16581*
Job No.: *2-1000*

Project Name: *Cimarron Oil Field Service*
Project Location: *71-14; Tank Pit*
Sampled by: *BS*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *10-Oct-97* Time: *12:39*
Date: *14-Oct-97*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>152</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>ND</i>	<i>ND</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>913</i>	<i>800-1200</i>	<i>mg/kg</i>

Duplication

Laboratory Identification	RPD	Limit RPD
<i>16574-6521</i>	<i>0.7</i>	<i>15.0</i>

Approved by: *[Signature]*
Date: *10/17/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

ON SITE

CHAIN OF CUSTODY RECORD

6521

TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 10-10-97

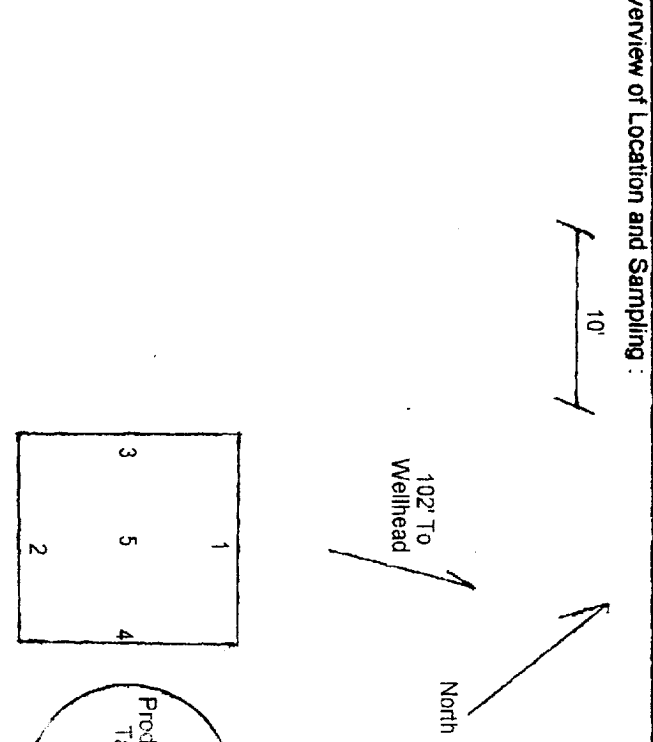
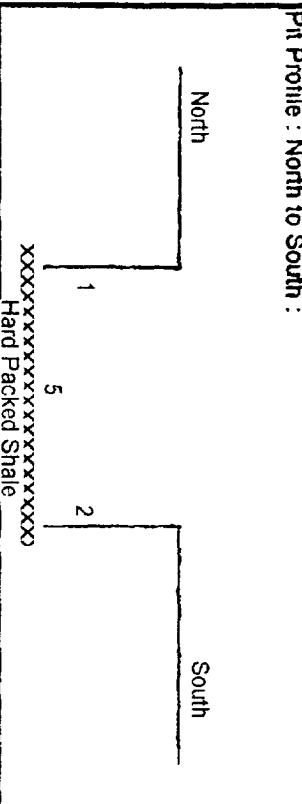
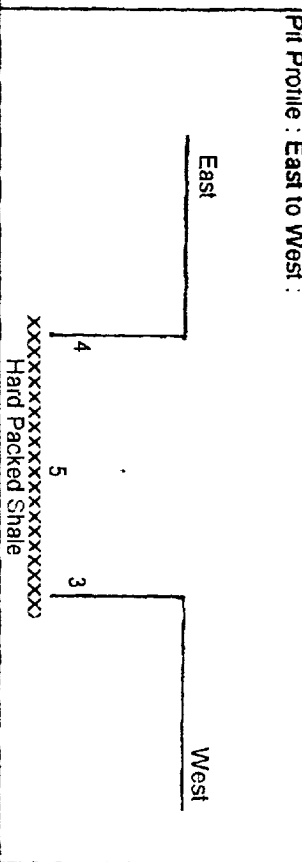
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Purchase Order No.:		Job No.:	
SEND INVOICE TO		Name: <i>Climeron Oil Field Service-Farmington</i>	
Company:	Dept.:	Name: <i>Frank M. Maxwell</i>	
Address: <i>P.O. Box 3235</i>		Company: <i>Climeron</i>	
City, State, Zip: <i>Farmington N.M. 87401</i>		Mailing Address: <i>P.O. Box 3235</i>	
Sampling Location:		City, State, Zip: <i>Farmington N.M. 87401</i>	
Sampler: <i>Billy Schenck</i>		Telephone No. <i>327-5649</i>	
SAMPLE IDENTIFICATION		REPORT RESULTS TO	
SAMPLE	DATE	TIME	MATRIX
	PRES.		LAB ID
47-2 Tank P.T	10-10-97	1257	Soil
47-3 Tank P.T	10-10-97	1250	Soil
54-10 Land Farm 1-2	10-10-97	1024	Soil
47-26 Land Farm 1-1	10-10-97	1125	Soil
71-9 Tank P.T	10-10-97	1227	Soil
71-11 Tank P.T	10-10-97	1202	Soil
15-2 Land Farm 1	10-10-97	1245	Soil
71-14 Tank P.T	10-10-97	1239	Soil
Number of Containers		ANALYSIS REQUESTED	
4/8.1			
Relinquished by: <i>Billy Schenck</i>		Received by: <i>Jeff</i>	
Date/Time: <i>10-10-97 1438</i>		Date/Time: <i>10/10/97 1438</i>	
Relinquished by:		Received by:	
Date/Time:		Date/Time:	
Relinquished by:		Received by:	
Date/Time:		Date/Time:	
Method of Shipment:		Rush	
Authorized by: <i>Billy Schenck</i>		24-48 Hours	
(Client Signature Must Accompany Request)		10 Working Days	
Date: <i>10-10-97</i>		Special Instructions:	

Client : Golden Oil Co.

Date Started : 6-18-97

Date Completed : 6-18-97

Location : Jicarilla 71-14		Overview of Location and Sampling :																																								
Quad : H Section : 10																																										
Range : 4W Township: 23N																																										
Pit : Production Tank Reference : 102' S 50 W of wellhead Initial Size : 12' x 12' x 4' deep Final Size : 15' x 15' x 8' deep Yds. Excavated : 45 cy																																										
<table border="1"><thead><tr><th>Sample #</th><th>Location</th><th>OVW</th></tr></thead><tbody><tr><td>1</td><td>Nwall@6'</td><td>0.9</td></tr><tr><td>2</td><td>Swall@6'</td><td>0.3</td></tr><tr><td>3</td><td>Wwall@6'</td><td>0.9</td></tr><tr><td>4</td><td>Ewall@6'</td><td>1.2</td></tr><tr><td>5</td><td>Btm@8'</td><td>70.2</td></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr><tr><td>11</td><td></td><td></td></tr><tr><td>12</td><td></td><td></td></tr></tbody></table>		Sample #	Location	OVW	1	Nwall@6'	0.9	2	Swall@6'	0.3	3	Wwall@6'	0.9	4	Ewall@6'	1.2	5	Btm@8'	70.2	6			7			8			9			10			11			12				
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Depth to Groundwater: > 100																																										
Nearest Water Source: > 1000																																										
Nearest Surface Water: > 1000																																										
NMOCD Ranking Score: 0																																										
TPH Closure Standard: 5000																																										
Comments : 0' - 2' Sandy loam, Light brown 2' - 6' Shale, green/purple, Lightly packed 8' Bottom, hard packed shale All production to pit has ceased.																																										
Pit Profile : North to South :		Pit Profile : East to West :																																								
																																										

Environmental Specialist: BS

Cimarron Oilfield Services

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