

JICARILLA APACHE TRIBE
 ENVIRONMENTAL PROTECTION OFFICE
 P.O. BOX 507
 DULCE, NEW MEXICO 87528

BJ485
 Blow-risk bedrock
 Sep-risk bedrock
 SUBMIT 1 COPY TO
 NATURAL RESOURCE DEPT
 AND OIL & GAS ADMINISTRATION

RECEIVED
 AUG 16 1999

OIL CON. DIV.
 DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
 Address: 200 Amoco Court, Farmington, NM 87401
 Facility or Well Name: JICARILLA CONTRACT 146-4
 Location: Unit or Qtr/Qtr Sec J Sec 10 T 25N R 5W County RIO ARriba
 Pit Type: Separator Dehydrator Other BLOW
 Land Type: RANGE

Pit Location: Pit dimensions: length 33', width 23', depth 16'
 (Attach diagram) Reference: wellhead X, other _____
 Footage from reference: 155'
 Direction from reference: 27 Degrees X East of North X
 _____ West of South _____

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)	<u>0</u>
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)	<u>0</u>
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)	<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)	
	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 100 feet	(20 points)	
	100 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: _____ Date Completed: 1/9/97

Remediation Method: Excavation Approx. cubic yards 450
Check all appropriate (ions) Landfarmed Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation, BEDROCK BOTTOM, BOTTOM
SPRAYED w/ FERTILIZER.

Groundwater Encountered: No 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 10'
Sample date 1/9/97 Sample time 1445

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>0.0</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>88</u>	Total Xylenes	(ppb)	_____

Groundwater Sample: Yes _____ No (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 1/9/97 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

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

APPROVED: YES NO _____ (REASON) _____

SIGNED: Ken C. Marshall DATE: 1-23-97

Well Name:	Jicarilla Contract 146 #4
Well Site location:	Unit J, Sec. 10, T25N, R5W
Pit Type:	Blow Pit
Producing Formation:	Pictured Cliffs
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 16 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Past production fluids were contained locally by a relatively shallow sandstone bedrock located 16 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.66 miles northeast of the nearest vulnerable area boundary (Gonzales Canyon wash).

(Refer to Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), 1963, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	AMOCO	Project #:	
Sample ID:	4 @ 10'	Date Analyzed:	01-09-97
Project Location:	Jicarilla Contract 146 - 4	Date Reported:	01-09-97
Laboratory Number:	TPH-1872	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	88	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	80	84	4.88

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Blow Pit - BJ485


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

AMOCO

Project #:

Sample ID:

4 @ 10'

Date Analyzed:

01-09-97

Project Location:

Jicarilla Contract 146 - 4

Date Reported:

01-09-97

Laboratory Number:

TPH-1872

Sample Matrix:

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 22 mg/kg

TPH Result: 88.0 mg/kg
Reported TPH Result: 88 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

80

84

4.88

Comments:

*****Max Characters*****

Comments:

Blow Pit - BJ485

BJ485

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ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY		Telephone: (505) 326-9200	
Address: 200 Amoco Court, Farmington, NM 87401			
Facility or Well Name: JICARILLA CONTRACT 146-4			
Location: Unit or Qtr/Qtr Sec <u>J</u> Sec <u>10</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARriba</u>			
Pit Type: Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>			
Land Type: <u>RANGE</u>			
Pit Location: (Attach diagram)		Pit dimensions: length <u>20'</u> , width <u>20'</u> , depth <u>9'</u>	
		Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>	
		Footage from reference: <u>147'</u>	
		Direction from reference: <u>55</u> Degrees <input type="checkbox"/> East of North <input type="checkbox"/> <input checked="" type="checkbox"/> West of South <input checked="" type="checkbox"/>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (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 No	(20 points) (0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: _____ Date Completed: 1/9/97

Remediation Method: Excavation Approx. cubic yards 100
Check all appropriate (options) Landfarmed Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation. BEDROCK BOTTOM. SPRAYED PIT BOTTOM w/ FERTILIZER.

Groundwater Encountered: No _____ 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'
Sample date 1/9/97 Sample time 1400

Sample Results

Soil: Benzene	(ppm)	_____	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	_____	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>0.0</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>40</u>	Total Xylenes	(ppb)	_____

Groundwater Sample: Yes _____ No (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 1/9/97 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

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

APPROVED: YES NO _____ (REASON) _____

SIGNED: Kenn C. Marshall DATE: 1-23-97

CLIENT: AMOCO BLAGG ENGINEERING, INC. LOCATION NO: BJ485
 P.O. BOX 87, BLOOMFIELD, NM 87413 C.B.C. NO _____
 (505) 632-1199

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: JICARILLA CONTRACT WELL #: 146-4 PIT: SEP DATE STARTED: 1/9/97
 QUAD/UNIT: J SEC: 10 TWP: 25N RNG: 5W PM: NM CNTY: RA ST: NM DATE FINISHED: _____
 DTP/FOOTAGE: NW/4 SE/4 CONTRACTOR: P.O.S ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 20 FT. x 20 FT. x 9 FT. DEEP CUBIC YARDAGE: 100
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
 LAND USE: RANGE LEASE: JICA. CONTR. #146 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. SSW FROM WELLHEAD.
 DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMOOD BANKING SCORE: 0 NMOOD TPH CLOSURE STD: 5000 PPM
 COIL AND EXCAVATION DESCRIPTION:

- CHECK ONE:
- PIT ABANDONED
 - STEEL TANK INSTALLED
 - FIBERGLASS TANK INSTALLED

SIDEWALLS - OK. YELL. ORANGE TO BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC STRAINING OR OODR OBSERVED ON ANY OF THE SIDEWALLS, WILL SPRAY PIT BOTTOM W/ FERTILIZER.
 BOTTOM - LT. GRAY BEDROCK, SANDSTONE, HARD, STRONG HC OODR IN OUM SAMPLE.

BEDROCK

FIELD 4181 CALCULATIONS

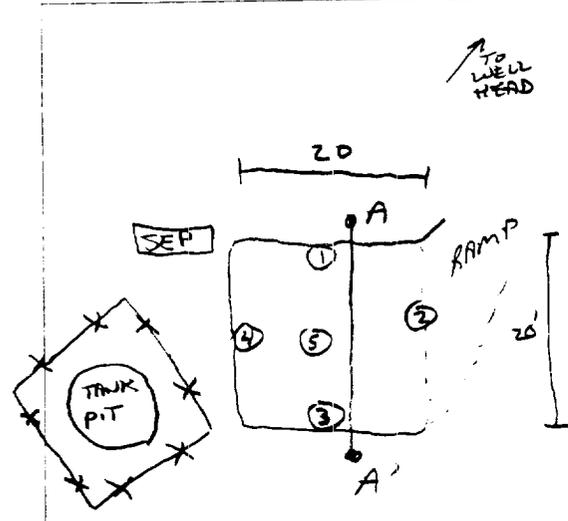
TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1400	DE 4'	TPH-1871	5	20	1:1	10	40



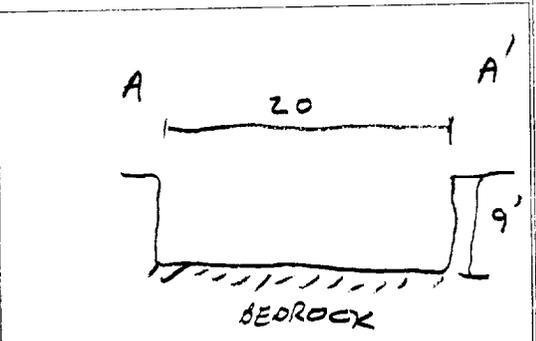
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE (ft)
1 @ 4'	0.0
2 @ 5'	0.0
3 @ 4'	0.0
4 @ 5'	0.0
5 @ 9'	714



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALL-OUT: 1/8/97 MOLN. ONSITE: 1/9/97 AFTER.

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Contract 146 #4

Unit J, Sec. 10, T25N, R5W

Separator Pit

Pictured Cliffs

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 9 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Past production fluids were contained locally by a relatively shallow sandstone bedrock located 9 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.66 miles northeast of the nearest vulnerable area boundary (Gonzales Canyon wash).

(Refer to Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), 1963, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	
Sample ID:	1 @ 3'	Date Analyzed:	01-09-97
Project Location:	Jicarilla Contract 146 - 4	Date Reported:	01-09-97
Laboratory Number:	TPH-1871	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	40	20

ND = Not Detectable at stated detection limits.

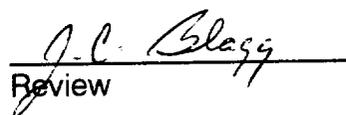
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	80	84	4.88

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit - BJ485


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

AMOCO

Project #:

Sample ID:

1 @ 3'

Date Analyzed:

01-09-97

Project Location:

Jicarilla Contract 146 - 4

Date Reported:

01-09-97

Laboratory Number:

TPH-1871

Sample Matrix:

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 10 mg/kg

TPH Result: 40.0 mg/kg
Reported TPH Result: 40 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

80

84

4.88

Comments:

*****Max Characters*****

Comments:

Separator Pit - BJ485

67485

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO:
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u> Telephone: <u>(505) 326-9200</u>	
Address: <u>200 Amoco Court, Farmington, NM 87401</u>	
Facility or Well Name: <u>JICARILLA CONTRACT #146-4</u>	
Location: Unit or Qtr/Qtr Sec <u>J</u> Sec <u>10</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARIZONA</u>	
Land Type: <u>RANGE</u>	
Date Remediation Started: <u>1/9/97</u>	Date Completed: <u>7/23/98</u>
Remediation Method: Landfarmed <input checked="" type="checkbox"/>	Approx. cubic yards <u>550</u>
Composted <input type="checkbox"/>	
Other <input type="checkbox"/>	
Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>7/21/98</u> Time: <u>1100</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>0.7</u> Method <u>8015</u> Other _____
Distance to an Ephemeral Stream (pts.) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	
Wellhead Protection Area: (pts.) <u>0</u>	
Distance To Surface Water: (pts.) <u>0</u>	
RANKING SCORE (TOTAL POINTS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>7/23/98</u>	PRINTED NAME <u>Buddy D. Shaw</u>
SIGNATURE <u>Buddy D. Shaw</u>	AND TITLE <u>Environmental Coordinator</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>use as backfill</u>	
SIGNED: <u>Kurt C. Marshall</u>	DATE: <u>9-9-98</u>

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BJ485</u> C.D.C. NO: <u>6106</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICA. CONTR. 146</u> WELL #: <u>4</u> PITS: <u>SEP, BLW</u>	DATE STARTED: <u>7/21/98</u>
QUAD/UNIT: <u>T SEC: 10 TWP: 25N RNG: 5W PM: NM CNTY: RA ST: NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>NW/4 SE/4</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>MV</u>

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 550

LAND USE: RANGE LIFT DEPTH (ft): 1'-2'

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM 1/9/97

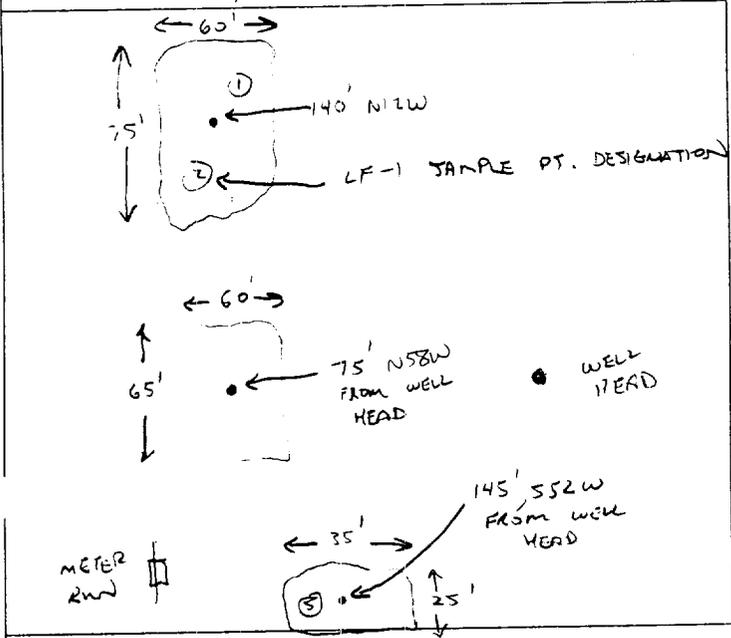
SOIL MOSTLY MOD. YELL. BROWN SAND W/ BEDROCK FRAGMENTS, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT STAINING OR HC ODOR OBSERVED OR DETECTED ON LANDFARM SURFACES OR @ ANY OF THE SAMPLE PTS., SAMPLING DEPTHS RANGE FROM 1'-2', COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1100	0.7

SCALE



TRAVEL NOTES: CALLOUT: NA ONSITE: 7/21/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	07-23-98
Laboratory Number:	D675	Date Sampled:	07-21-98
Chain of Custody No:	6106	Date Received:	07-21-98
Sample Matrix:	Soil	Date Extracted:	07-22-98
Preservative:	Cool	Date Analyzed:	07-22-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

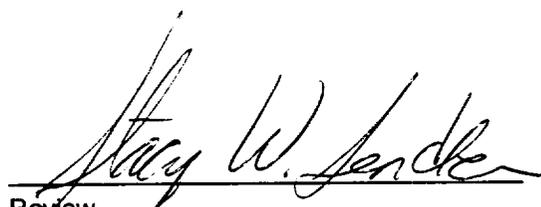
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.7	0.1
Total Petroleum Hydrocarbons	0.7	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Jicarilla Contract #146 - 4 Landfarm. 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

6106

Client / Project Name <i>BASS / Amos</i>			Project Location <i>LAUDERDALE</i>			ANALYSIS / PARAMETERS					
Sampler: <i>NTV</i>			Client No. <i>04034-10</i>			Remarks					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						
<i>LF-1</i>	<i>7/21/98</i>	<i>1100</i>	<i>D675</i>	<i>SOIL</i>	<i>1</i>	<i>TPH (8015)</i>					
						<i>5 pr. Composite</i>					
						<i>RESERV. - COOL</i>					
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>7/21/98</i>	Time <i>1453</i>	Received by: (Signature) <i>[Signature]</i>	Date <i>7.21.98</i>	Time <i>1453</i>				
Relinquished by: (Signature)			Received by: (Signature)								
Relinquished by: (Signature)			Received by: (Signature)								
<i>Ref COC's 6105 → 6107</i>											
ENVIROTECH INC.											
5796 U.S. Highway 64 Farmingington, New Mexico 87401 (505) 892-0615											
Sample Receipt											
Received Intact						Y		N		N/A	
Cool - Ice/Blue Ice						✓					