Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
AMOCO PRODUCTION COMPANY	300392245900

Address: P.O. BOX 800, DENVER, COLORADO 80201

Reason(s) for Filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Operator [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [X]
- Other (Please explain) [ ]

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
JICARILLA APACHE 102	11E	BASIN DAKOTA (PRORATED GAS)		

Location
Unit Letter M : 1110 Feet From The FSL Line and 1065 Feet From The FWL Line
Section 10 Township 26N Range 4W NMPM, RIO ARRIBA County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]
GARY WILLIAMS ENERGY CORPORATION
Address (Give address to which approved copy of this form is to be sent)
P.O. BOX 159, BLOOMFIELD, NM 87413

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]
NORTHWEST PIPELINE CORPORATION
Address (Give address to which approved copy of this form is to be sent)
P.O. BOX 8900, SALT LAKE CITY, UT 84108-0899

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
Perforations			**Depth Casing Shoe**

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
Actual Prod. During Test	**Oil - Bbls.**	**Water - Bbls.**	**Gas - MCF**

RECEIVED
JUL 5 1990
OIL CON. DIV.
DIST. 3

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D.W. Whaley
Signature
Doug W. Whaley, Staff Admin. Supervisor
Printed Name / Title
June 25, 1990 — 303-830-4280
Date / Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 5 1990

By Bill Sheppard
SUPERVISOR DISTRICT # 3

Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

LTR

Job separation sheet

BJ545
Sep OK
Blow-OK

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

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

RECEIVED
AUG 05 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 APACHE 102 - 11E

Location: **Unit or Qtr/Qtr Sec** M **Sec** 10 **T** 26N **R** 4W **County** RIO ARRIBA

Pit Type: **Separator** X **Dehydrator** ____ **Other** ____

Land Type: RANGE

Pit Location: (Attach diagram)

Pit dimensions: length 22', width 16', depth 13'

Reference: wellhead X, other ____

Footage from reference: 141'

Direction from reference: 1 Degrees ____ East ____ North of X West South X

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)	0
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)	0
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)	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 No	(20 points) (0 points)	0
Distance To SurfaceWater: (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)	0
		RANKING SCORE (TOTAL POINTS):	0

BJ545 SEP. PIT

Date Remediation Started: _____ **Date Completed:** 4/21/98

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 150

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite ~~X~~ Pit Offsite JICARILLA APACHE 102-16A (M-10-26-4)

General Description of Remedial Action: Excavation. NORTH & SOUTH SIDEWALLS & PIT BOTTOM SPRAYED w/ FERTILIZER.

Groundwater Encountered: No X Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 15'

Sample date 4/20/98 Sample time 0923

Sample Results

Soil: Benzene	(ppm)	8.440	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	189.870	Toluene	(ppb)	_____
Field Headspace	(ppm)	1,741	Ethylbenzene	(ppb)	_____
TPH	(ppm)	3,800	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 KNOWLEGE AND BELIEF

DATE 4/21/98 **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 X (REASON) Conditional Closure till P&A of Well

SIGNED: [signature] **DATE:** 6-15-98

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: BJ545
C.O.C. NO: 5744

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICA APACHE 102 WELL #: 1E PIT: SEP

QUAD/UNIT: M SEC: 10 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM

QTR/FOOTAGE: SW/4 SW/4 CONTRACTOR: P&S

DATE STARTED: 4/20/98
DATE FINISHED:

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 22 FT. x 16 FT. x 13 FT. DEEP. CUBIC YARDAGE: 150

DISPOSAL FACILITY: JICA ON SITE AP. 102-16A REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: JIC 102 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 141 FT. S1W FROM WELLHEAD.

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

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

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

SOIL AND EXCAVATION DESCRIPTION:

MOD. YEL. BROWN TO DUSKY BROWN SAND TO SILTY SAND, SAND NON COHESIVE, SILTY SAND SLIGHTLY COHESIVE SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN NORTH, SOUTH, & PIT BOTTOM OVM SAMPLES WHICH WERE DUSKY BROWN IN COLOR, STAINING APPARENT TOWARD BOTTOM HALF OF EXCAVATION, PAING FLAGS ON NORTH & SOUTH OF EXCAVATION (SEE PIT PERIMETER DIAGRAM BELOW).

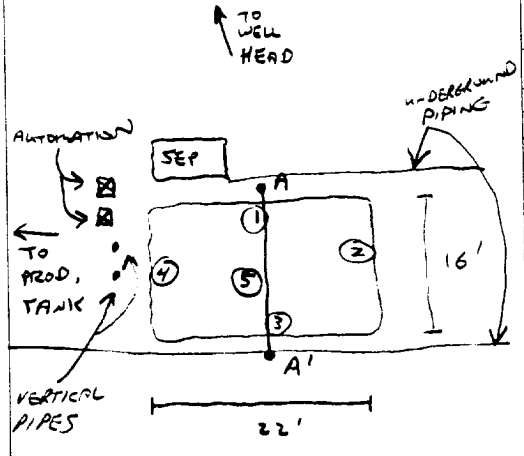
RISK ASSESSED

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER



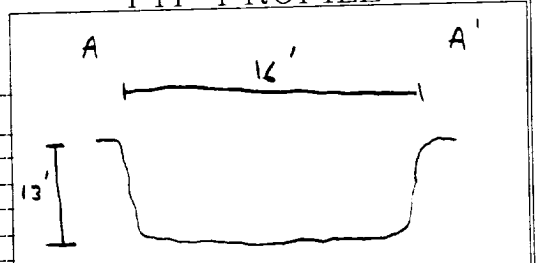
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 9'	1,549
2 @ 9'	0.0
3 @ 9'	587
4 @ 8'	123.8
5 @ 15'	1,741

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
⑤ @ 15'	TPH (8015) | BTEX (8021)	0923
TPH PASSED		
BTEX FAILED		

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4/16/98 - AFTER. ONSITE: 4/20/98 - MORN.

Well Name:	**Jicarilla Contract 102 #11E**
Well Site location:	Unit M, Sec. 10, T26N, R4W
Pit Type:	Separator Pit
Producing Formation:	Mesa Verde
Pit Category:	Non Vulnerable
Horizonal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit (15 ft. below grade) and for safety concerns (underground piping and surface equipment).

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

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).

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 0.04 miles northwest of the nearest vulnerable area boundary (Northwest of Tapicito Creek wash).

   (Refer to Schmitz Ranch 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 vertical impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

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:	5 @ 15'	Date Reported:	04-21-98
Laboratory Number:	D121	Date Sampled:	04-20-98
Chain of Custody No:	5744	Date Received:	04-20-98
Sample Matrix:	Soil	Date Extracted:	04-21-98
Preservative:	Cool	Date Analyzed:	04-21-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**3,690**	**0.2**
Diesel Range (C10 - C28)	**110**	**0.1**
Total Petroleum Hydrocarbons	**3,800**	**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 Apache 102-11 E. Separator Pit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 15'	Date Reported:	04-21-98
Laboratory Number:	D121	Date Sampled:	04-20-98
Chain of Custody:	5744	Date Received:	04-20-98
Sample Matrix:	Soil	Date Analyzed:	04-21-98
Preservative:	Cool	Date Extracted:	04-21-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**8,440**	**17.5**
Toluene	**67,070**	**16.7**
Ethylbenzene	**38,070**	**15.2**
p,m-Xylene	**23,320**	**21.6**
o-Xylene	**52,970**	**10.4**
Total BTEX	**189,870**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**99 %**
	Bromofluorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-84 USEPA, December 1996.

Comments: **Jicarilla Apache 102-11 E. Separator Pit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
BLAGG/AMOCO	SEPARATOR PIT JICARILLA APACHE 102-11E	
Sampler: (Signature)	Chain of Custody Tape No.	
Nelson Velez	04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)	BTEX (8021)					Remarks
												PRESERV. - COOL
(5) @ 15'	4/20/98		0121	SOIL	1	✓	✓					IF TPH < 5,000 ppm,
												THEN RUN BTEX
				SAMPLE RECEIVED COOL & INTACT CW								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	4/20/98	1518	Kristi Walter	4-20-98	15:18
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

BJ545

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

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

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 APACHE 102 - 11E

Location: **Unit or Qtr/Qtr Sec** M **Sec** 10 **T** 26N **R** 4W **County** RIO ARRIBA

Pit Type: **Separator**____ **Dehydrator**____ **Other** BLOW

Land Type: RANGE

Pit Location: (Attach diagram)

Pit dimensions: length 40', width 32', depth 8'

Reference: wellhead X, other_____

Footage from reference: 123'

Direction from reference: 47 Degrees X East of ____ West North X South ____

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)	0
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)	0
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)	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 No	(20 points) (0 points)	0
Distance To SurfaceWater: (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)	0
		RANKING SCORE (TOTAL POINTS):	0

BJ545 BLOW PIT

Date Remediation Started: _____ **Date Completed:** 4/20/98

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 350

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite ~~X~~ JV Offsite JICARILLA APACHE 102-16A (M-10-26-4)

General Description of Remedial Action: Excavation

Groundwater Encountered: No X Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 10'

Sample date 4/20/98 Sample time 1120

Sample Results

Soil:	Benzene	(ppm)		Water: Benzene	(ppb)
	Total BTEX	(ppm)		Toluene	(ppb)
	Field Headspace	(ppm)	0.0	Ethylbenzene	(ppb)
	TPH	(ppm)	24	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 KNOWLEGE AND BELIEF

DATE 4/20/98 **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 X NO ____ (REASON) _____

SIGNED: Kurt C Mann **DATE:** 4-29-98

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: BJ545
C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: JICA. APACHE 102 WELL #: 11E PIT: BLOW

QUAD/UNIT: M SEC: 10 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM

QTR/FOOTAGE: SW/4 SW/4 CONTRACTOR: P&S

DATE STARTED: 4/20/98
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 40 FT. x 32 FT x 8 FT. DEEP. CUBIC YARDAGE: 350

DISPOSAL FACILITY ~~ON-SITE~~ JICA. AP. 102-16A REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: JIC 102 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 123 FT. N47E FROM WELLHEAD.

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

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

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

SOIL AND EXCAVATION DESCRIPTION:

MOSTLY DK. YELL. BROWN SAND TO SILTY SAND NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT STAINING OR HC ODOR OBSERVED W/IN EXCAVATION, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES.

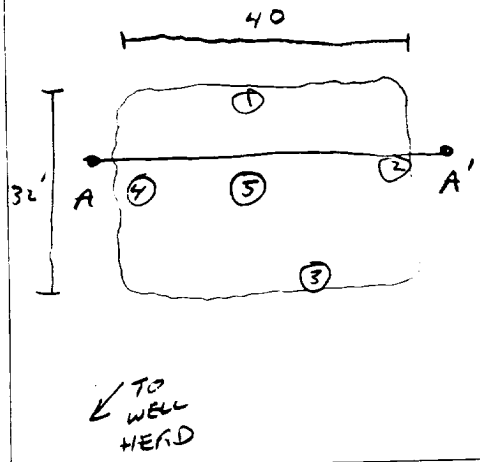
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1120	⑤ @ 10'	TPH-1957	5	20	1:1	6	24

SCALE
0 FT

PIT PERIMETER



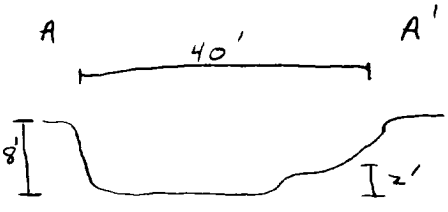
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 4'	0.0
3 @ 4'	0.0
4 @ 4'	0.0
5 @ 10'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4/16/98 - AFTER. ONSITE: 4/20/98 - MORN.

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:	5 @ 10'	Date Analyzed:	04-20-98
Project Location:	Jicarilla Apache 102 - 11E	Date Reported:	04-20-98
Laboratory Number:	TPH-1957	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	24	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	608	568	6.80

*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 - BJ545

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:	5 @ 10'	Date Analyzed:	04-20-98
Project Location:	Jicarilla Apache 102 - 11E	Date Reported:	04-20-98
Laboratory Number:	TPH-1957	Sample Matrix:	Soil

Sample Weight:	5.00	grams
Volume Freon:	20.00	mL
Dilution Factor:	1	(unitless)
TPH Reading:	6	mg/kg

TPH Result:	24.0	mg/kg
Reported TPH Result:	24	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.
	608	568	6.80

Comments: **********Max Characters**********

Comments: Blow Pit - BJ545