

OK
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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 27 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 GC B #1 Environmentally named JC 155-R

Location: Unit or Qtr/Qtr Sec G Sec 31 T 26N R 5W County RIO ARriba

Pit Type: Separator ☐ Dehydrator ☐ Other BLOW

Land Type: RANGE

Pit Location: (Attach diagram) Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other _____

Footage from reference: 410'

Direction from reference: 67 Degrees _____ East of 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)	<u>20</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>10</u>

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: _____ Date Completed: 11/20/96

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

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

General Description of Remedial Action: Excavation. NO REMEDIATION NECESSARY.

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 18' (TEST HOLE BOTTOM)

Sample date 11/20/96 Sample time 1000

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>28</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 11/20/96 3/19/99 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: _____ DATE: _____

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BT475</u> C.D.C. NO: _____
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FIELD REPORT: <u>CLOSURE VERIFICATION</u>	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICARILLA</u> CONTACT WELL #: <u>455-18</u> PIT: <u>BLOW</u>	DATE STARTED: <u>11/20/96</u>
QUAD/UNIT: <u>9U 5P</u> SEC: <u>31</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SE 1/4</u> SE 1/4 <u>4U</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>
LAND USE: <u>RANGE</u> LEASE: <u>SW 4125</u> FOR CAMP <u>MISSING</u> FORMATION: <u>CK</u>

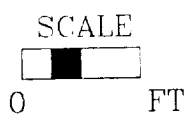
FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>410</u> FT. <u>567W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u><50'</u>	NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u><1000'</u>
NMOCJ RANKING SCORE: <u>30</u>	NMOCJ TPH CLOSURE STD: <u>100</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	

TEST HOLE CONDUCTED AT PIT CENTER.
OK. YELL. BROWN SAND, SOME CLAY INTERVALS OBSERVED W/IN TEST HOLE. NON-COHESIVE, SLIGHTLY MOIST FIRM, NO APPARENT HC OR DR IN 'OWN SAMPLE' NO APPARENT HC STAINING OR ODOR OBSERVED W/IN TEST HOLE OR SURROUNDING PIT AREA, NO REMEDIATION NECESSARY.

CLOSED

FIELD 418.1 CALCULATIONS

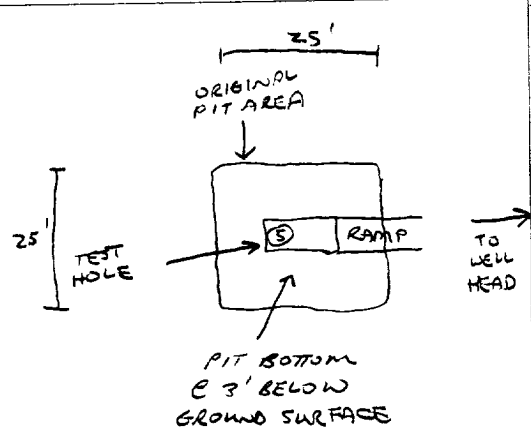
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1000	⑤ @ 18'	TPH-1857	5	20	1:1	7	28



PIT PERIMETER

OVN RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5 @ 18'	0.0

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

NOT APPLICABLE

TRAVEL NOTES:	CALLOUT: <u>11/15/96</u>	ONSITE: <u>11/20/96</u>
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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
Sample ID: 5 @ 18' GC B#1
Project Location: Jicarilla ~~Contract 155-18~~ 215
Laboratory Number: TPH-1857
Project #:
Date Analyzed: 11-20-96
Date Reported: 11-20-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	28	20

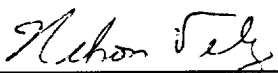
ND = Not Detectable at stated detection limits.

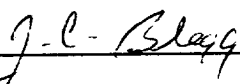
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4640	4400	5.31

* 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 - BJ475


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:

Sample ID:

Project Location:

Laboratory Number:

AMOCO

5 @ 18' JICARILLA EC B#1

Jicarilla Contract 155-18 *RV*

TPH-1857

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

11-20-96

11-20-96

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 7 mg/kg

TPH Result: 28.0 mg/kg
Reported TPH Result: 28 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.

4640

4400

5.31

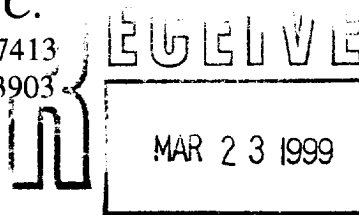
Comments: *****Max Characters*****

Comments: Blow Pit - BJ475

BLAGG ENGINEERING, INC.

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

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



March 20, 1999

Mr. Kurt Sandoval

Director - Environmental Protection Office JICARILLA ENVIRONMENTAL OFFICE

Jicarilla Apache Tribe

P.O. Box 507

Dulce, New Mexico 87528

Re: BP-Amoco Pit Closure Documentation Correction

Name Change: Jicarilla Contract 155 - 18 Pit Closure to Jicarilla GC B # 1

Jicarilla Contract 155 - 18 - Unit P, Sec. 31, T26N, R5W, Rio Arriba County, NM

Jicarilla GC B # 1 - Unit G, Sec. 31, T26N, R5W, Rio Arriba County, NM

Dear Mr. Sandoval:

Attached please find a Pit Remediation and Closure Report with corrections made for the above reference. We respectfully request to have this closure documentation reviewed by your office and that the pit be re-approved with the modified information.

This report was approved by Mr. K.C. Manwell on January 23, 1997. However, upon further review conducted by us via site visits on March 19, 1999, we confirmed that the original report's well name and legals were inadvertently furnished prior to Mr. Manwell's approval for permanent closure.

If you agree with our re-evaluation, please sign the appropriate signature block on the attached and revised pit remediation and closure report. If you have questions or need additional information, please contact Blagg Engineering, Inc. at (505)632-1199.

Respectfully:

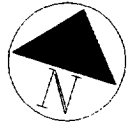
Blagg Engineering, Inc.

Jeffrey C. Blagg, President

NMPE 11607

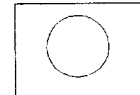
Attachments

FIGURE 1



TAPACITO CREEK

SEP. TANK PIT
& FENCE



SEP.

JICARILLA GC B #1
METER RUN



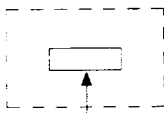
JICARILLA CONTRACT 155 -18
METER RUN



JICARILLA GC B #1
WELL HEAD



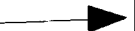
JICARILLA GC B #1
BLOW PIT CLOSED 11/20/96



TEST HOLE

ACCESS ROAD

DIRECTION TO
JICARILLA GC A #1
WELL HEAD



SITE MAP NOT
TO SCALE

EXPOSED PIPELINE

TOE OF SLOPE

CLIFF FACE

BP-AMOCO

JICARILLA GC B #1

SW/4 NE/4 SEC. 31, T26N, R5W

RIO ARRIBA, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87
BLOOMFIELD, NEW MEXICO 87413

PHONE (505) 632-1199

PROJECT: PIT CLOSURE

DRAWN BY: NJV

FILENAME: JICA-B1

DRAFTED: 3/20/99

SITE
MAP

3/99