

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: Amoco Production Company **Telephone:** (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: JACK FROST DIE
Well Name

Location: Unit or Qtr/Qtr Sec N Sec 26 T 27 N R 10 W County SAN JUAN

Pit Type: Separator Dehydrator Other BLOW

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 35, width 27, depth 12
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 110'

Direction from reference: 66 Degrees X East North
of
 West South X

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points)	<u> </u>
	50 feet to 99 feet (10 points)	<u> </u>
	Greater than 100 feet (0 Points)	<u> </u>

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

JUL 18 1996

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> </u>
	No (0 points)	<u> </u>

Approved

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

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: _____ Date Completed: 4/7/95

Remediation Method: Excavation ☒ Approx. cubic yards 325
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
other COMPOSTED

Remediation Location: Onsite _____ Offsite ☒ JACK FROST C1
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____
Excavation

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: MULTIPLE SAMPLES
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 10'

Sample date 4-3-95 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1.6

TPH 28 PPM

Ground Water 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 4/7/95

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>80253</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JACK FROST</u> WELL #: <u>DIE</u> PIT: <u>BLOW</u>		DATE STARTED: <u>3/20/95</u> DATE FINISHED: <u>4-3-95</u>
QUAD/UNIT: <u>N</u> SEC <u>26</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE 1/4 SW 1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>		

EXCAVATION APPROX. <u>39</u> FT. x <u>27</u> FT. x <u>12</u> FT. DEEP.	CUBIC YARDAGE: <u>325</u>
DISPOSAL FACILITY: <u>JACK FROST C1</u>	REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>ST - 077951</u> FORMATION: <u>MR</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>110</u> FT. <u>566E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>2100</u>	NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>21000</u>
NMOC RANKING SCORE: <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> FPM
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED

MOD. TO DK. YELL BROWN SAND TO SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, SLIGHT HC ODOR IN WEST SIDEWALL DUM SAMPLE.

4/3 - 4A@10' SAMPLE - MOD. YELL. BROWN SAND NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR.

CLOSED

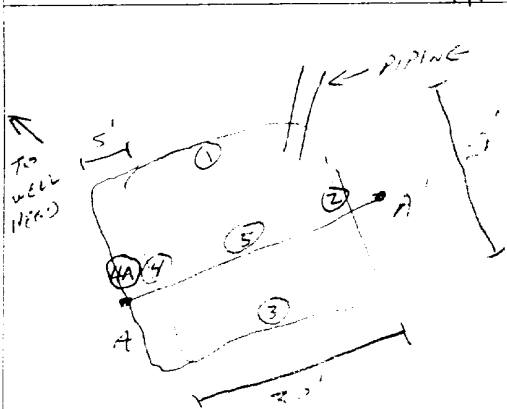
SCALE
0 FT

4/3

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1230	4A@10'	TPH-1430	5	20	10:1	142	5,680
1300	4A@10'	TPH-1449	5	20	1:1	7	28

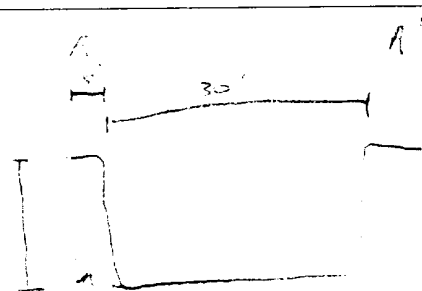
PIT PERIMETER



OVN RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1@5'	20.4
2@8'	0.0
3@9'	0.0
4@10'	56.4
5@13'	0.0
4A@10'	1.6 (4/3)

PIT PROFILE



SAMPLE ID	ANALYSIS	TIME

ADDITIONAL CALCULATIONS
COMPLETED 4/3

TRAVEL NOTES.	CALLOUT: <u>3/30/95</u>	ONSITE: <u>3/30/95</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: 4 @ 10'
Project Location: Jack Frost D 1E
Laboratory Number: TPH-1430

Project #:
Date Analyzed: 03-30-95
Date Reported: 03-30-95
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	5,700	200

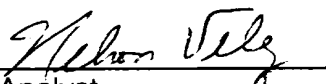
ND = Not Detectable at stated detection limits.


QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	14000	13000	7.41

*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 - B0253


Analyst


Review

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:	4A @ 10'	Date Analyzed:	04-07-95
Project Location:	Jack Frost D 1E	Date Reported:	04-07-95
Laboratory Number:	TPH-1449	Sample Matrix:	Soil

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

ND = Not Detectable at stated detection limits.

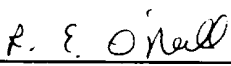
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	14000	13000	7.41

*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 - B0253


Analyst


Review