

**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

PIT REMEDIATION AND CLOSURE REPORT

CA369

*Long Street
Approved
2/26/97*

Operator: CONOCO, INC. **Telephone:** (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: JICARILLA ES
Location: Unit or Qtr/Qtr Sec C Sec 15 T 26N R 4W County RIO ARriba
Pit Type: Separator ☒ Dehydrator ☐ Other COMPRESSOR COMBO
Land Type: RANGE

Pit Location: Pit dimensions: length 45', width 65', depth 31'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 70'
Direction from reference: 45 Degrees _____ East of North ☒
☒ West South _____

Depth To Groundwater:

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

RECEIVED
OCT 29 1996

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 10

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

OIL CON. DIV.
DIST. 3

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 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) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 6/6/96

Remediation Method: Excavation ☒ Approx. cubic yards 3300
Check all appropriate (actions) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite ☒ JICARILLA LANDFARM #7
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation & Haul

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 31'
Sample date 6/5/96 Sample time 0950

Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>10.1</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>691</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>372</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 6-6-96 PRINTED NAME Jeffrey C. Blagg, P.E. #11607
SIGNATURE Jeffrey C. Blagg AND TITLE President

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: [Signature] DATE: 6-6-96

CLIENT: <u>CONOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CA369</u> C.O.C. NO: <u> </u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: <u>JICARILLA E 8</u>	PIT TYPE: <u>SEP./COMPR.</u>	DATE STARTED: <u>5-24-96</u> DATE FINISHED: <u>6-5-96</u>
QUAD/UNIT: <u>C SEC. 15 TWP. 26 N RNG. 4 W BM. NM CNTY. R.A. ST. N.M.</u>		ENVIRONMENTAL SPECIALIST: <u>PEO/NU</u>
QTR/FOOTAGE: <u>1190' FWL, 1480' FWL.</u> CONTRACTOR: <u>ACME</u>		

EXCAVATION APPROX. 45 FT. x 65 FT. x 31 FT. DEEP CUBIC YARDS: 3300

DISPOSAL FACILITY: JIC. L.F. # 7 REMEDIATION METHOD: LANDFARM

LAND USE: RANGE LEASE: CONTRACT # 104 FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 70 FEET N45°W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

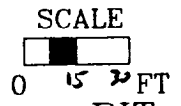
SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

LARGE EXCAVATION - SOIL CONSISTS OF SILTY SAND - ODOOR IN BOTTOM SAMPLE. CONTAMINATION REMAINS IN BOTTOM.

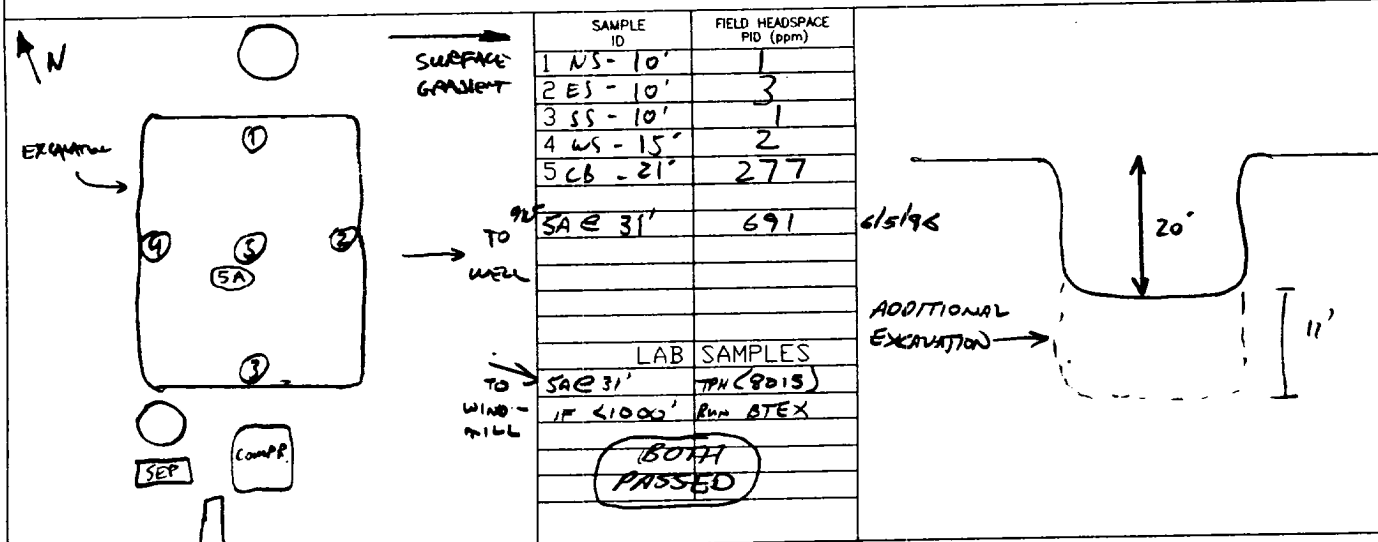
6/5/96 - PIT AREA EXCAVATED TO 31' TOTAL DEPTH MOSTLY SAND OR YELL. BROWN TO OLIVE GRAY, NOW - COHESIVE SLIGHTLY MOIST FIRM TO TIGHTLY STIFF STRONG HC ODOOR IN 5th SAMPLE, HANDMILL LOCATED APPROX. 495' FROM PIT CENTER. JCB INDICATED OTW N.44' FROM GROUND SURFACE LOCATION UP SLOPE E APPROX. 10-15' NUTRIENTS (FERTILIZER APPLICATION) TO BE ADDED TO PIT BOTTOM BEFORE BACKFILLING, REGARDLESS OF LAB RESULTS FOR 6/5/96 SAMPLING.

CLOSED

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@21'	1726	10.0	20.0	10	310	6200



PIT PERIMETER OVM RESULTS PIT PROFILE



TRAVEL NOTES: CALLOUT: 5-23-96 ONSITE: 5-24-96 0915

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:	Conoco	Project #:	
Sample ID:	Center Bottom @ 21'	Date Analyzed:	5-24-96
Project Location:	Jicarilla E 8	Date Reported:	5-24-96
Laboratory Number:	TPH-1726	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	6,200	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	724	568	24

*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/Compressor Pit - CA369

R. E. O'Neill
Analyst

Hebron T. G.
Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

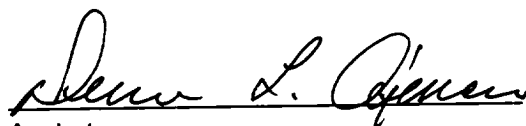
Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5A @ 31'	Date Reported:	06-06-96
Laboratory Number:	A199	Date Sampled:	06-05-96
Chain of Custody No:	4728	Date Received:	06-06-96
Sample Matrix:	Soil	Date Extracted:	06-06-96
Preservative:	Cool	Date Analyzed:	06-06-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

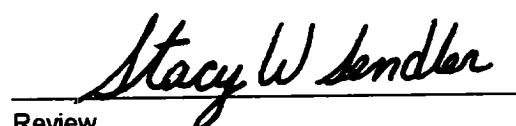
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	40.8	0.2
Diesel Range (C10 - C28)	331	0.1
Total Petroleum Hydrocarbons	372	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla E8 Separator/Compressor.


Analyst


Review

Client:	Blagg / Conoco	Project #:	04034
Sample ID:	5A @ 31'	Date Reported:	06-06-96
Laboratory Number:	A199	Date Sampled:	06-05-96
Chain of Custody:	4728	Date Received:	06-06-96
Sample Matrix:	Soil	Date Analyzed:	06-06-96
Preservative:	Cool	Date Extracted:	06-06-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	11.7
Toluene	666	11.1
Ethylbenzene	598	10.1
p,m-Xylene	6,490	14.4
o-Xylene	2,350	6.9
Total BTEX	10,100	

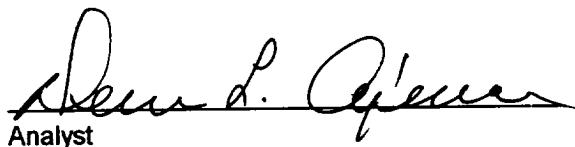
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	102 %
	Bromofluorobenzene	101 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: Jicarilla E8 Separator/Compressor.


Analyst


Review

San Juan repro Form 578-01