Henry South Tourt District LGAS INSPECTOR

District III 1000 Rio Brito Rd Over 1007 7410 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

(Revised 3/9/94)

J	TK	REM	EDLA	ATION	AND	CLOSURE	REPORT

Operator: Cono		Telephone: 915-686-5	453
			
Address: IU D	estra Drive, Suite 100W,	Midiand, IX /9/05-4500	
Facility Or: 2 Well Name	8-7 # 173 Pit # 3		
Location: Unit	or Qtr/Qtr <u>I</u> Sec <u>17 T27</u>	N R7W County San Juan	
Pit Type: Separ	rator <u>X</u> Dehydrator Other		
Land Type: BLM	X , State , Fee , Othe	ər	
Pit Location: (Attach diagram)	Pit dimensions: length 12' Reference: wellhead X. ot	-	
	Footage from reference: 18	·	
	Direction from reference: _22	Degrees <u>X</u> East North <u>X</u>	
		of	.1.
		West Sout	.n
Depth To Ground (Vertical distance contaminants to se high water elevati ground water)	asonal	Less than 50 feet (20 g 50 feet to 99 feet (10 g Greater than 100 feet (0 g	points)
domestic water sou	t from private ST. 3 rce, or less than other water sources)	Yes (20 p	i
Distance To Sur (Horizontal distand lakes, ponds, river irrigation canals a	ce to perennial rs, streams, creeks,	200 feet to 1000 feet (10 p	points) points) points) TS): 10 .

Date Remediation Start	ced: 7- 16 - 1996 Date Completed:
Remediation Method: E	excavation Approx. cubic yards
sections) La	ndfarmed Insitu Bioreediation
C	ther <u>Natural attenuation</u>
Remediation Location:	Onsite X Offsite
name and location of	
offsite facility)	
	Remedial Action: Pit sampled by Conoco on 7-16-9.
	ntered bedrock at six inches below bottom of the pit. ng using PID = 176.96 ppm, Lab results of sample for
	18.1 were Non detect. Contamination is below NMOCD soil
	tile Organics of 100 ppm and TPH of 1000 ppm. Pit
closed by backfilling	during P&A and site rehabilitation.
Ground Water Encounter	ed: No X Yes Depth
Final Pit:	Sample location: Samples take at center and SW corner of pit
Closure Sampling:	
(if multiple samples, attach sample results	
and diagram of sample	Sample depth Six inches below bottom of the pit at bedrock
locations and depths)	Sample date <u>7-16-1996</u> Sample time <u>1540 hours</u>
	Comple Decults
	Sample Results
	Benzene (ppm)
	Total BTEX (ppm)
	Field headspace (ppm) <u>172.96</u>
	TPH <u>ND</u>
a	
Ground water Sample:	Yes No _X_ (If yes, attach sample results)
I HEREBY CERTIFY THAT OF MY KNOWLEDGE AND BEDATE	THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST LIEF
DITT	PRINTED NAME
	FRINIED NAME

SITE SPECIFIC RISK EVALUATION SUMMARY

Well Name:

Well Site Location:

Pit Type:

Producing Formation:

Conoco 28-7 # 173 Pit #3 Unit I, Sec 17, T27N, R7W Separator Pit

Basin Dakota/Mesa Verde

Conclusion/ Recommendation:

Based upon the information given and risk assessment, we conclude that the residual hydrocarbon contamination resulting in soil from the subject earthen pit is very limited and the subsurface conditions (i.e. bedrock) are enough of a barrier to preclude impact to ground water. Refer to NMOCD's policy for approval for pit closures with shallow bedrock and no ground water impact. Conoco requests pit closure approval on this site.

Pit Assessment:

Ranking Score:

Horizontal Distance to Surface Water:

Ground Water Depth:

Lateral Extent of Contamination:

Vertical Extent of Contamination:

Land Use:

Ground Water Impact:

Surface Water Impact:

10 - 19

>1000 ft.

50-100 ft.

Confined to immediate area of pit (12'X9')

5 to 6 ft. at bedrock BLM rangeland and grazing

None Identified as of (11/11/96)

None Identified as of (11/11/96). Topographic information does not indicate

probability of off site lateral fluid migration near earthen pit.

Field and Lab Soil Sample Results:

I lold alld Eab Coll (Janipio I toodita.					
Sample Location	TPH (ppm)	PID (units)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylene (ppm)
Conoco 2-point composite (7/16/96)	ND	172.96	_	<u>_</u>	-	_

Notes:

TPH: Total Petroleum Hydrocarbons per EPA Method 418.1 or EPA Method 8015m.

PID: Results of field headspace testing.

BTEX: Volatile Organic Hydrocarbons per EPA Method 8020.

ppm: Parts per Million, equivalent to mg/Kg.

Remediation Summary:

Pit closed during site rehabilitation and re-seeding during spring of 1997

Submitted by: Larry Trujillo

On Site Technologies, Ltd.



PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP

l	LOCATION: 28-7 #173 g 17 T 27 R 7 UNIT
	o took TPH sample 10: pit looks god 7: pit looks god 7: OUN-catter fixtor = .94 ppm pit I
	2) - took TPH Sample 6" pit looks good-no string Other -after factor94 ppm 3 . took TPH sample 6" pit has strong odor - soil has some discolor OVAN -after factor - 172.96 ppm
-	
\times c	lenoteo sample pat.

- O SOIL SAMPLE LOCATION
- A BACKGROUND SAMPLE LOCATION

P'+ 2 173

TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1

noject: Matrix: Not Given

Condition:

Soil Intact/Cool Date Reported:
Date Sampled:
Date Received:

07/26/96 07/17/96 07/17/96

Date Extracted: Date Analyzed:

07/19/96 07/19/96

	in a line of the second se		100 100 100 100 100 100 100 100 100 100
28-7 #170 Pit 1	0396G01358	44.4	20.0
28-7 #170 Pit 2	0396G01359	952	39.8
28-7 #122 Pit 1	0396G01360	324	20.0
28-7 #173 Pit 1	0396G01361	146	19.9
28-7 #173 Pit 2	0396G01362	ND	20.0
2:72:178:2(-)	1292001363	NU	20 0
28-7 #196 Pit 1	0396G01364	ND	20.0
28-7 #196 Pit 2	0396G01365	ND	19.7

ND - Analyte not detected at stated detection level.

References: Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of

Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds

from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst:

Reviewed:__

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

	PLE SAMPLE														·	
7.43	SAMPLE SAMPLE EVENT															
TYPE OF PIT:	SAMPLE EVENT #		-											 		
	SAMPLE EVENT #															
	SAMPLE EVENT #													 		
# 173	SAMPLE EVENT#			- <u>t-</u>										 		
t-87	SAMPLE EVENT #	7/10/46	743	composite 2 put	و"	78.		36B pon	FP.	172.96 April	1.814	Vδ	Bev cork			
L OCATION OF PIT	JESCHIPTION (1F SAMPLE	DATE OF SAMPLE	LOC:ATION OF SAMPLE	TYPE OF SAMP.E: (3RAB/COMPOSITE)	DEPTH OF SAMPLE(S)	TEMPERATURE OF SAMPLE	IEI D METHOD RESULTS (PPMS	TPH VAPORS (EQUIV UNITS)	BENZENE R : SPONSE FACTOR	ADJUST ED FOR BENZENE EQUIY UNITS	AII RESULTS IN PPM: METHOD (4 (8.1 OR MOD 8018)	TPH	NOIES			

NUTES:	rt 3			<u> 28·7</u> #	173		
7/1496	340 pm -	Sampled 6" of b Ly hit bediake 8 pan (before fac	nand aurar	· 2prt co	uposite		
		G hit bediak	1000 C	 o			
	OVM: 34	8 pan / before fac	60) 172.96	lafter fac	tor), Q	78°	
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