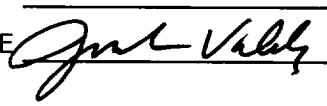


District I	State Of New Mexico	SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE (Revised 3/9/94)
P.O. Box 1980, Hobbs, NM District II	Energy, Minerals and Natural Resources Department	
P.O. Drawer, Artesia, NM 88211 District III	OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088	OIL CON. DIV. Dist. 3
1000 Rio Brazos Rd. Aztec, NM 87410		

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>Conoco Inc.</u>		Telephone: <u>505-324-5813</u>
Address: <u>3315 Bloomfield Hwy - Farmington, NM 87401</u>		
Facility Or: <u>Moore LS 1A</u>		
Well Name _____		
Location:	Unit or Qtr/Qtr Sec <u>J</u> Sec <u>27</u> T <u>32N</u> R <u>12W</u> County	San Juan
Pit Type:	Separator _____ Dehydrator _____ Other _____	TDP _____
Land Type:	BLM <u>X</u> State _____ Fee _____	Other _____
Pit Location: (Attach diagram)	Pit dimension: length <u>10'</u> width <u>10'</u> depth <u>4'</u> Reference: wellhead <u>X</u> other _____ Footage from reference: <u>75'</u> Direction from reference: <u>350</u> Degrees _____ East of _____ North _____ X West _____ South	

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 9 feet (10 points) Greater than 100 feet (0 points)		
	Total	<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)		
	Total	<u>0</u>	
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) (20 points) 200 feet to 1000 feet (10 points) (10 points) Greater than 1000 feet (0 points) (0 points)		
	Total	<u>0</u>	
	RANKING SCORE (TOTAL POINTS):	<u>0</u>	

Date Remediation Started: _____		Date Completed: _____	
Remediation Method: (Check all appropriate sections)	Excavation: _____	Approx. cubic yards _____	
	Landfarm _____	Insitu Bioremediation _____	
	Other _____		
Remediation Location: Onsite _____ Offsite _____			
(ie. landfarmed onsite, name and location of offsite facility)			
General Description Of Remedial Action: <u>Dug into pit center, hit rock bed 2' in from bottom of pit --</u>			
Sample taken -- till bottom of pit 1' in -- back fill clean soil. Samples			
were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Method 8020A			
Ground Water Encountered: No ☒ Yes _____ Depth _____			
Final Pit:		Sample location <u>Bottom of pit - center</u>	
Closure Sampling:		_____	
(if multiple samples attach sample results and diagram of sample locations and depths)		Sample depth <u>6'</u>	
		Sample date <u>5/26/99</u> Sample time <u>1:24 PM</u>	
		Sample Results	
		Benzene (ppm)	<u>6.6</u>
		Total BTEX (ppm)	<u>100</u>
		Field headspace (ppm)	<u>471</u>
		TPH	<u>15,520</u>
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 <u>8/3/99</u>		PRINTED NAME <u>Judson Valdez</u>	
SIGNATURE <u></u>		AND TITLE <u>Project Lead</u>	

Revised

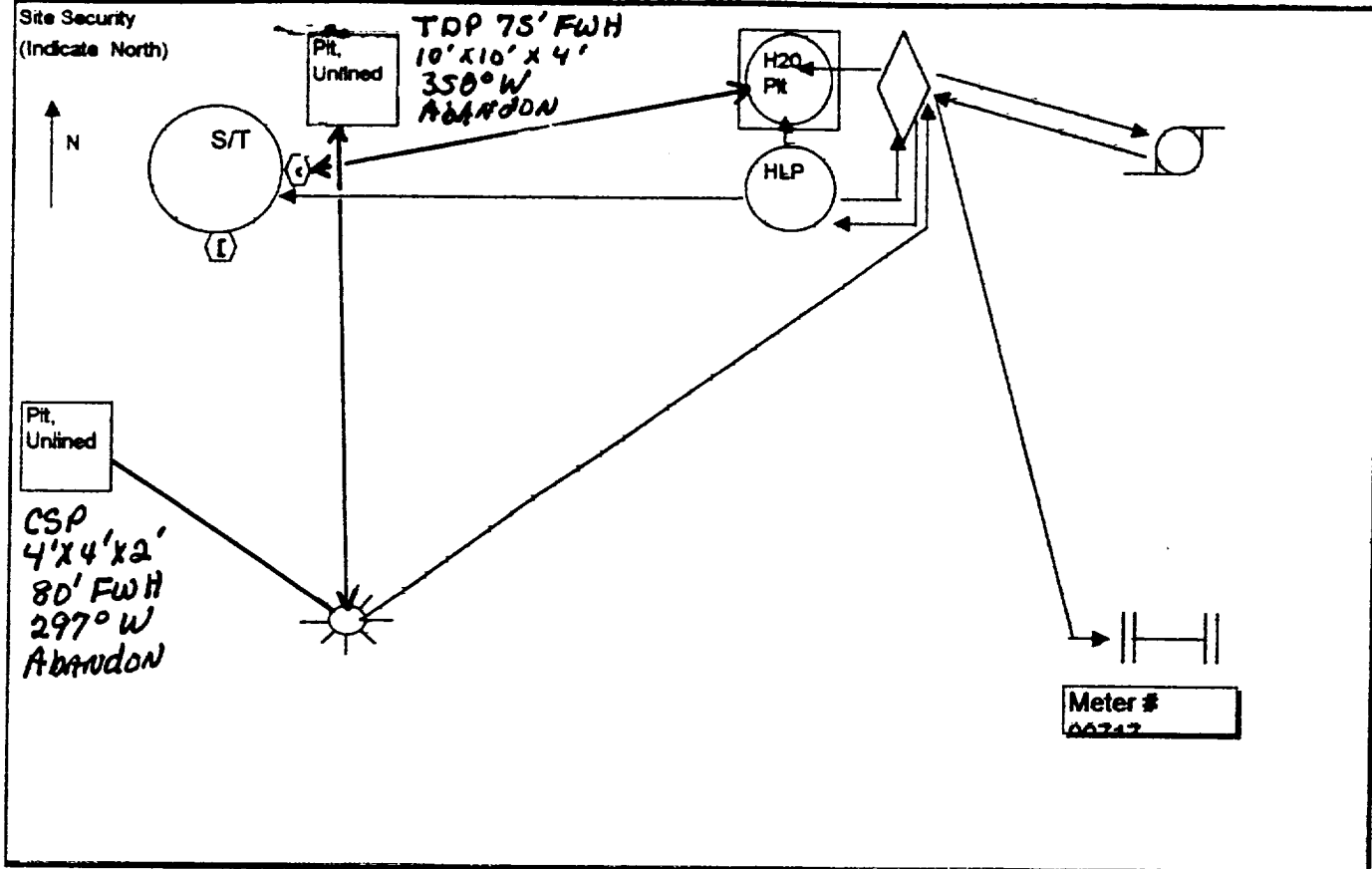
Lease Name: Moore Ls 1A

Operator: Conoco Inc.

Date:

5-28-99

Site Security
(Indicate North)



Lease Name: Moore Ls 1A

Federal/ Indian Lease No: SF-078147

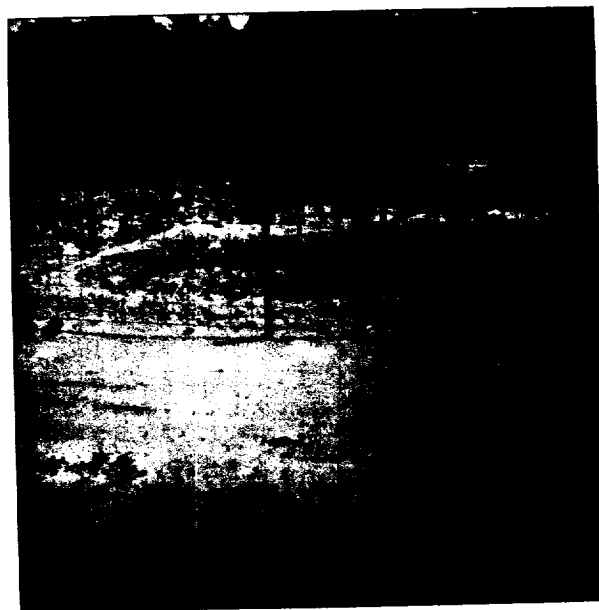
CA No.: _____

Unit: J



MOORE LS 1A CSP

5-26-99



MOORE LS 1A TDP

5-26-99

This lease is subject to the
San Juan Basin Operation
Conoco Inc.
3315 Bloomfield Hwy
Farmington, NM

6955

[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-28-TPH QA/QC	Date Reported:	05-28-99
Laboratory Number:	F410	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-28-99
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	03-15-99	4.4525E-002	4.4401E-002	0.28%	0 - 15%
Diesel Range C10 - C28	03-15-99	4.1817E-002	4.1709E-002	0.26%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	6,090	6,070	0.3%	0 - 30%
Diesel Range C10 - C28	888	885	0.3%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	6,090	250	6,330	100%	75 - 125%
Diesel Range C10 - C28	888	250	1,140	100%	75 - 125%

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: QA/QC for samples F410 - F417.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-28-BTEX QA/QC	Date Reported:	05-28-99
Laboratory Number:	F410	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-28-99
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	1.6360E-002	1.6399E-002	0.2%	ND	0.2
Toluene	1.7563E-002	1.7595E-002	0.2%	ND	0.2
Ethylbenzene	7.1313E-003	7.1463E-003	0.2%	ND	0.2
p,m-Xylene	8.5740E-003	8.5955E-003	0.3%	ND	0.2
o-Xylene	7.9281E-003	7.9416E-003	0.2%	ND	0.1

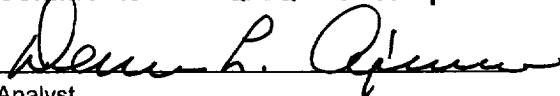
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	9,530	9,550	0.2%	0 - 30%	8.8
Toluene	55,200	55,090	0.2%	0 - 30%	8.4
Ethylbenzene	5,800	5,800	0.0%	0 - 30%	7.6
p,m-Xylene	28,290	28,290	0.0%	0 - 30%	10.8
o-Xylene	11,720	11,780	0.5%	0 - 30%	5.2

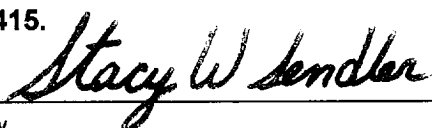
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	9,530	50.0	9,560	100%	39 - 150
Toluene	55,200	50.0	55,140	100%	46 - 148
Ethylbenzene	5,800	50.0	5,840	100%	32 - 160
p,m-Xylene	28,290	100.0	28,330	100%	46 - 148
o-Xylene	11,720	50.0	11,750	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples F410 - F411 and F413 - F415.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

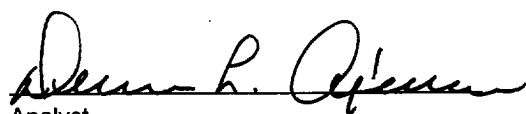
Client:	Conoco Inc.	Project #:	707003-029
Sample ID:	TDP - Grab	Date Reported:	05-28-99
Laboratory Number:	F413	Date Sampled:	05-26-99
Chain of Custody No:	6955	Date Received:	05-27-99
Sample Matrix:	Soil	Date Extracted:	05-28-99
Preservative:	Cool	Date Analyzed:	05-28-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

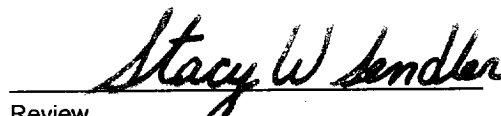
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	14,880	0.2
Diesel Range (C10 - C28)	637	0.1
Total Petroleum Hydrocarbons	15,520	0.2

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: **Moore LS 1 A. OVM Reading 471. Hit Bed Rock 2' In.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Conoco Inc.	Project #:	707003-029
Sample ID:	TDP - Grab	Date Reported:	05-28-99
Laboratory Number:	F413	Date Sampled:	05-26-99
Chain of Custody:	6955	Date Received:	05-27-99
Sample Matrix:	Soil	Date Analyzed:	05-28-99
Preservative:	Cool	Date Extracted:	05-28-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6,670	8.8
Toluene	43,820	8.4
Ethylbenzene	7,840	7.6
p,m-Xylene	25,260	10.8
o-Xylene	16,970	5.2
Total BTEX	100,560	

ND - Parameter not detected at the stated detection limit.

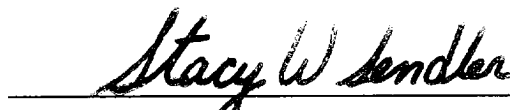
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

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-846, USEPA, December 1996.

Comments: Moore LS 1 A. OVM Reading 471. Hit Bed Rock 2' In.


Analyst


Review