

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 & GAS INSPECTOR
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)

Approval

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
AUG 14 1998

Operator: COLT RESOURCES CORPORATION Telephone: (406) 248-2222
Address: PO BOX 7167, BILLINGS, MT 59103
Facility Or: STATE BQ-2
Well Name
Location: Unit or Qtr/Qtr Sec ^KNE/SW Sec 32 T 29N R 13W County San Juan
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☐, State ☒, Fee ☐, Other ☐

OIL CON. DIV.
DIST. 3

Pit Location: Pit dimensions: length 10, width 10, depth 4
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 60 feet
Direction from reference: 90 Degrees East North ☐
X West of South X

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

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

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

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: _____

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

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

General Description Of Remedial Action: _____

Approval to backfill the State BQ-2 separator pit was obtained from the OCD,
Santa Fe office via certified letter, return receipt #: Z-235-437-274 dated
May 27, 1998.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location _____ Center of the pit.
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth _____ 4 feet
Sample date _____ 8/1/98 Sample time _____ 2:00 pm
Sample Results

Benzene(ppm) _____ 13.700 ppm

Total BTEX(ppm) _____ 117.160 ppm

Field headspace(ppm) _____

TPH _____ 20,070 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

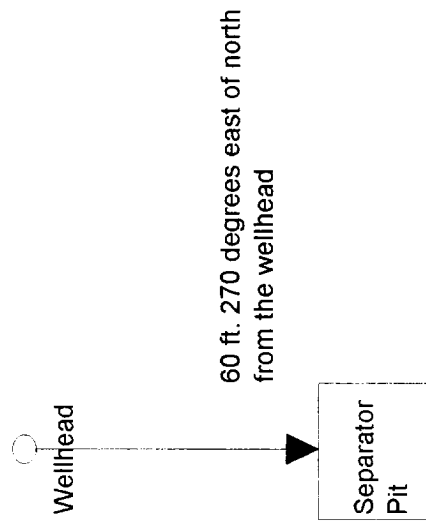
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/4/98

SIGNATURE *Duane Zimmerman*

PRINTED NAME DUANE ZIMMERMAN
AND TITLE OPERATIONS ENGINEER

State Gas Com BQ#2
NE/SW Section 32, T29N-R13W
San Juan County, New Mexico



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 6, 1998

Mr. Duane Zimmerman
JN Exploration, Inc.
P.O. Box 7167
Billings, Montana 59103

(406) 247-8759

Project No.: 98056-01

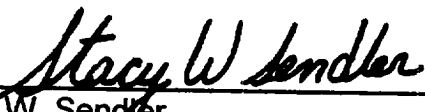
Dear Mr. Zimmerman,

Enclosed are the analytical results for one soil sample collected from the location designated as "State BQ 2". One soil sample identified as "Sep Pit @ 4' " was collected by JN Exploration designated personnel on 08/01/98, and delivered to the Envirotech laboratory on 08/04/98 for Total Petroleum Hydrocarbons (TPH) analysis per USEPA Method 8015 Modified, and for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) analysis per USEPA Method 8021.

The sample was documented on Envirotech Chain of Custody No. 6184 and assigned Laboratory No. D778 for tracking purposes. The sample was extracted and analyzed on 08/05/98 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It has been our pleasure doing business with you and we hope you will consider Envirotech, Inc. for any of your future environmental contracting needs.

Respectfully submitted,
Envirotech, Inc.



Stacy W. Sender
Environmental Scientist/Laboratory Manager

enclosure

SWS\sws\98056\lb1.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

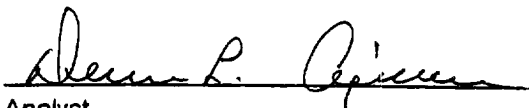
Client:	JN Exploration	Project #:	98056
Sample ID:	Sep Pit @ 4'	Date Reported:	08-05-98
Laboratory Number:	D778	Date Sampled:	08-01-98
Chain of Custody No:	6184	Date Received:	08-04-98
Sample Matrix:	Soil	Date Extracted:	08-05-98
Preservative:	Cool	Date Analyzed:	08-05-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

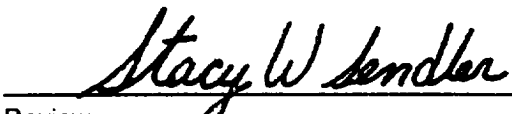
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,050	0.2
Diesel Range (C10 - C28)	19,020	0.1
Total Petroleum Hydrocarbons	20,070	0.2

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: State BQ 2.


Analyst


Review

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:	08-05-TPH QA/QC	Date Reported:	08-05-98
Laboratory Number:	D772	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-05-98
Condition:	N/A	Analysis Requested:	TPH

Calibration	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	04-28-98	3.8231E-02	3.7335E-02	2.35%	0 - 15%
Diesel Range C10 - C28	04-28-98	5.7905E-02	5.6525E-02	2.38%	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	923	915	0.8%	0 - 30%
Diesel Range C10 - C28	6,440	6,390	0.8%	0 - 30%


Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	923	250	1,170	100%	75 - 125%
Diesel Range C10 - C28	6,440	250	6,670	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 D772 - D778.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	JN Exploration	Project #:	98056
Sample ID:	Sep Pit @ 4'	Date Reported:	08-05-98
Laboratory Number:	D778	Date Sampled:	08-01-98
Chain of Custody:	6184	Date Received:	08-04-98
Sample Matrix:	Soil	Date Analyzed:	08-05-98
Preservative:	Cool	Date Extracted:	08-05-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	13,700	17.5
Toluene	41,680	16.7
Ethylbenzene	545	15.2
p,m-Xylene	42,970	21.6
o-Xylene	18,260	10.4
Total BTEX	117,160	

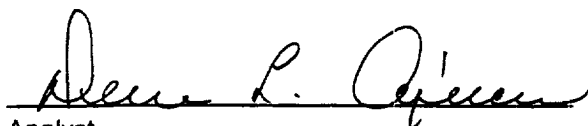
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

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: State BQ 2.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	08-05-BTEX QA/QC	Date Reported:	08-05-98
Laboratory Number:	D778	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-05-98
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Conc	Detec Limit
			Accept Range 0 - 15%		
Benzene	1.2199E-01	1.2223E-01	0.2%	ND	0.2
Toluene	5.1912E-02	5.2068E-02	0.3%	ND	0.2
Ethylbenzene	4.8738E-02	4.9022E-02	0.6%	ND	0.2
p,m-Xylene	3.4874E-02	3.5120E-02	0.7%	ND	0.2
o-Xylene	3.8953E-02	3.9109E-02	0.4%	ND	0.1

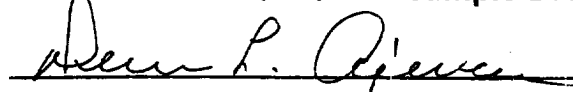
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	13,700	13,210	3.6%	0 - 30%	17.5
Toluene	41,680	39,970	4.1%	0 - 30%	16.7
Ethylbenzene	545	524	4.0%	0 - 30%	15.2
p,m-Xylene	42,970	41,300	3.9%	0 - 30%	21.6
o-Xylene	18,260	17,650	3.3%	0 - 30%	10.4


Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	%Recovery	Accept Range
Benzene	13,700	50.0	13,740	100%	39 - 150
Toluene	41,680	50.0	41,770	100%	46 - 148
Ethylbenzene	545	50.0	591	99%	32 - 160
p,m-Xylene	42,970	100.0	43,110	100%	46 - 148
o-Xylene	18,260	50.0	18,290	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 sample D778.


Analyst


Review

CHAIN OF CUSTODY RECORD

6184

Client / Project Name			Project Location			ANALYSIS / PARAMETERS												
JN Exploration			STATE BQ 2															
Sampler: Joe Ferris			Client No. 98056															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TP4	8021 BTEX	Remarks										
Sup Pit @ 4'	8-1-98	2:00 PM	D778	Soil	1	✓	✓											
Relinquished by: (Signature)			Date	Time	Received by: (Signature)													
Joe Ferris			8-4-98	3:30	Alfred D. Caplan													
Relinquished by: (Signature)					Received by: (Signature)													
Relinquished by: (Signature)					Received by: (Signature)													
<div> <div>ENVIROTECH INC.</div> <div> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div> </div>																		
<div> <div>Sample Receipt</div> <table border="1"> <tr> <td>Received Intact</td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> <td></td> </tr> </table> </div>											Received Intact	Y	N	N/A	Cool - Ice/Blue Ice	✓		
Received Intact	Y	N	N/A															
Cool - Ice/Blue Ice	✓																	
			Date	Time														
			8-4-98	15:30														