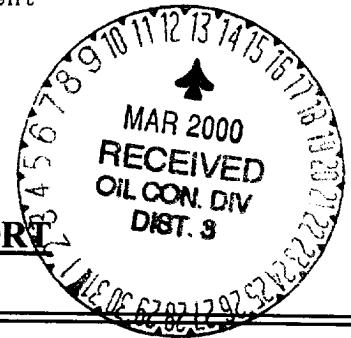


State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088



**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: COMPANERO #1 ( 87259 )  
Location: Unit or Qtr/Qtr Sec B Sec 12 T 27N R 4W County Rio Arriba  
PitType Dehydrator  
LandType: Forest

Pit Location: Pit dimensions: length 19 ft., width 18 ft., depth 12 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 82 ft.

Direction from reference: 16 Degrees West of North

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

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

Distance To Surface Water: Less than 200 feet (20 points)  
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) 200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) 0

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 8/25/98

Date Completed: 8/25/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 152

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil. LF Headspace 0ppm

Remediation Location: Onsite ☒ Offsite

(if landfarmed onsite, name and location of offsite facility)

## General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was placed into an onsite landfarm. Returned to site 2/16/00 and advanced sampling probe to 14' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered: No

Final Pit:

Sample location COMPANERO#1 V-EXFL-01

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

Sample depth 12 feet

Sample date 8/26/98

Sample time 7:45

Sample Result

Benzene (ppm) &lt;0.050

Total BTEX (ppm) &lt;0.050

Field Headspace (ppm)

TPH (ppm) 5.06

Ground Water Sample: No

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

DATE 3-7-00 REV.

PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

SIGNATURE

# PIT RETIREMENT FORM

Weather \_\_\_\_\_

Date: 8/25/98

Well Name COMPANERO #1 Operator SOUTHLAND ROYALTY Sec 12 T 37N R 4W UL NW/4 NE/4

Land Type: BLM STATE FEE INDIAN

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

**Pit Location:**

Reference Wellhead \_\_\_\_\_ Other \_\_\_\_\_

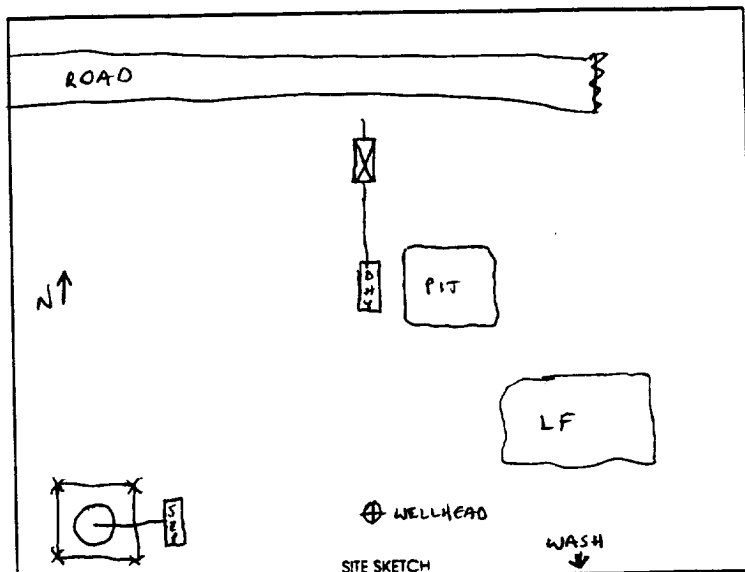
Distance from: 82'

Direction: 16 Degrees      E N X

X W of S           

Starting Pit Dimensions NA x TANK x SET

Final Pit Dimensions 19' x 18' x 12'



**Organic Vapor Readings:** Start \_\_\_\_\_  
 @ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ 10' \_\_\_\_\_  
 @ 12' \_\_\_\_\_

Soil Description: SILTY SAND

11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

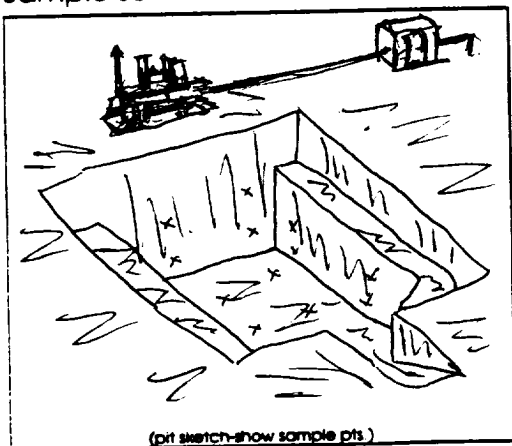
Arroyo, Wash, Lake, Stream WASH ~ 125 YDS SOUTH

Estimated or Known Distance to Ground Water 75-100'

Source of Backfill (if other than processed material) \_\_\_\_\_

Samples collected:	Type	Progress:	Verification:	ID	<u>COMPANERO #1 - V - EXWA - 01</u>	<u>soil</u> / water
		Progress:	Verification:	ID	<u>COMPANERO #4 - V - EXFL - 01</u>	<u>soil</u> / water
		Progress:	Verification:	ID	_____	soil / water

Sample sent to Lab Via: Courier Hand Carried Other \_\_\_\_\_ Preservative: ICE Other \_\_\_\_\_



Comments: ACCESSED VIA FOREST ROAD — DEAD END — SANDY MATERIAL —  
EXCAVATE — SIDEWALLS GENERALLY CLEAN — EXCEPT DEHY WALL WHICH HAS  
MODERATE STAINING — FLOOR HAS SLIGHT TO FAINT ODOR — TERRACE —  
CUT RAMP + GERM — LF SOUTH OF PIT — NO SHRED —

Soil Shipped to: ON-SITE/LP

Prepared by: M. J. [Signature]

## QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

## LABORATORY REPORT:

REFERENCE #: 8402596

SENT WILLIAMS FIELD SERVICE  
TO: 295 CHIPETA WAY  
SALT LAKE CITY, UTAH 84158  
MARK HARVEY  
PROJECT: WFS/NM-PITS

DATE REPORTED: 02/23/00  
DATE COLLECTED: 02/16/00  
DATE RECEIVED: 02/18/00

87259

Reference Fraction: 8402596-13A  
Sample ID: COMP#1-EX-RS-01  
Sample Date Collected: 02/16/00 15:42:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2	02/22/00	BEM
BTEX	OAI/8021B			3.0		
BENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOLUENE		ND	MG/KG	0.050	02/21/00	KKL
ETHYLBENZENE		ND	MG/KG	0.050	02/21/00	KKL
TOTAL XYLENES		ND	MG/KG	0.050	02/21/00	KKL
BFB (SURROGATE)		99	125	75		

ND=NONE DETECTED  
PQL=PRACTICAL QUANTITATION LIMIT  
SU-STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

TKOESTER  
TERRY KOESTER  
LABORATORY DIRECTOR

## Q W A L L A B O R A T O R I E S, I N C.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

## LABORATORY REPORT:

REFERENCE #: 9809139

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98  
DATE COLLECTED: 08/26/98  
DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-34A

Sample ID: CRZ/COMPANERO#1 V-EKWA-01 / 87259

Sample Matrix: SOIL

Sample Date Collected: 08/26/98 07:45:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOLUENE		ND	MG/KG	0.050	09/05/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/05/98	JLO
BFB (SURROGATE)		93	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU-STANDARD UNITS

B-DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

## Q W A L L A B O R A T O R I E S, I N C.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

## LABORATORY REPORT:

REFERENCE #: 9809139

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY  
PROJECT: 98 PIT REMEDIATION (CRZ)

DATE REPORTED: 09/08/98  
DATE COLLECTED: 08/26/98  
DATE RECEIVED: 09/02/98

Reference Fraction: 9809139-33A

Sample ID: CRZ/COMPANERO#1 V-EXFL-01 / 87259

Sample Matrix: SOIL

Sample Date Collected: 08/26/98 07:45:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	5.06	MG/KG	2.0	09/05/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		88	MG/KG	0.050	09/05/98	JLO
TOLUENE		ND	MG/KG	0.050	09/05/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/05/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/05/98	JLO
BFB (SURROGATE)		Q	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR

# Q W A L L A B O R A T O R I E S , I N C .

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

## LABORATORY REPORT:

REFERENCE #: 9809505

SENT WILLIAMS FIELD SERVICE-MS4JI  
TO: P.O. BOX 58900  
SALT LAKE CITY, UTAH 84108  
MARK HARVEY

DATE REPORTED: 09/22/98  
DATE COLLECTED: 09/15/98  
DATE RECEIVED: 09/16/98

PROJECT: PIT REMEDIATION 98

Reference Fraction: 9809505-42A  
Sample ID: COMPANERO#1-V-LF-01  
Sample Date Collected: 09/15/98 09:00:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	09/19/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/19/98	JLO
TOLUENE		ND	MG/KG	0.050	09/19/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/19/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/19/98	JLO
BFB (SURROGATE)		91	125	75		

ND=NONE DETECTED  
DL=DETECTION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR