

Approved local on
sidewalks being broken
State of New Mexico

Santa Fe, New Mexico 87504-2088

Revised 3/9/94)

LF closed

AUG 2001
 RECEIVED
 OIL COIN DIV
 DIST 3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: January 17, 2000 **Date Completed:** January 17, 2000

Remediation Method: Excavation ☒ Approx. cubic yards 93

(Check all appropriate

sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:

Sep pit was excavated until bedrock was encountered at 5 feet below the center of the pit. Samples were taken at the bottom of the excavation at the bedrock. The sidewalls were excavated until bedrock was encountered. Pit appeared to be set into the sandstone shelf. A 4-point composite sample from the sidewalls was collected. The removed soils are to be landfarmed onsite.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit:

Closure Sampling:

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

Sample location: **Refer to attached Table**

Sample depth

Sample Date

|| Sample Time

Sample Results **Refer to attached Table**

Benzene (ppm) _____

Total BTEX (ppm) _____

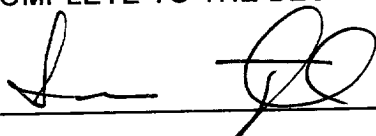
Field headspace (ppm) _____

TPH _____

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

AS AN AGENT FOR J.B. GOULD COMPANY, I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNATURE



DATE 8.23.01

PRINTED NAME Lawrence Trujillo TITLE Senior Environmental Technician

OVM/PID READINGS AND LABORATORY RESULTS

J.B. GOULD #6 PHILLIPS 32 SEP PIT					
Sample Location	PID Units	Date/Time	Diesel Range Organic ppm	Gasoline Range Organics ppm	
Center of pit @ bedrock	81.0	1/15/00, 14:15	BDL	BDL	
Sidewall Composite @ bedrock	<1900.0	1/15/00, 14:20	9140.0	1140.0	
SITE ASSESSMENT					
Center of Pit	Not	Sampled 11/2/99	Water in the pit		
Sidewall Composite	Not	Sampled 11/2/99	Water in the pit		

BDL: Below Detection Limits

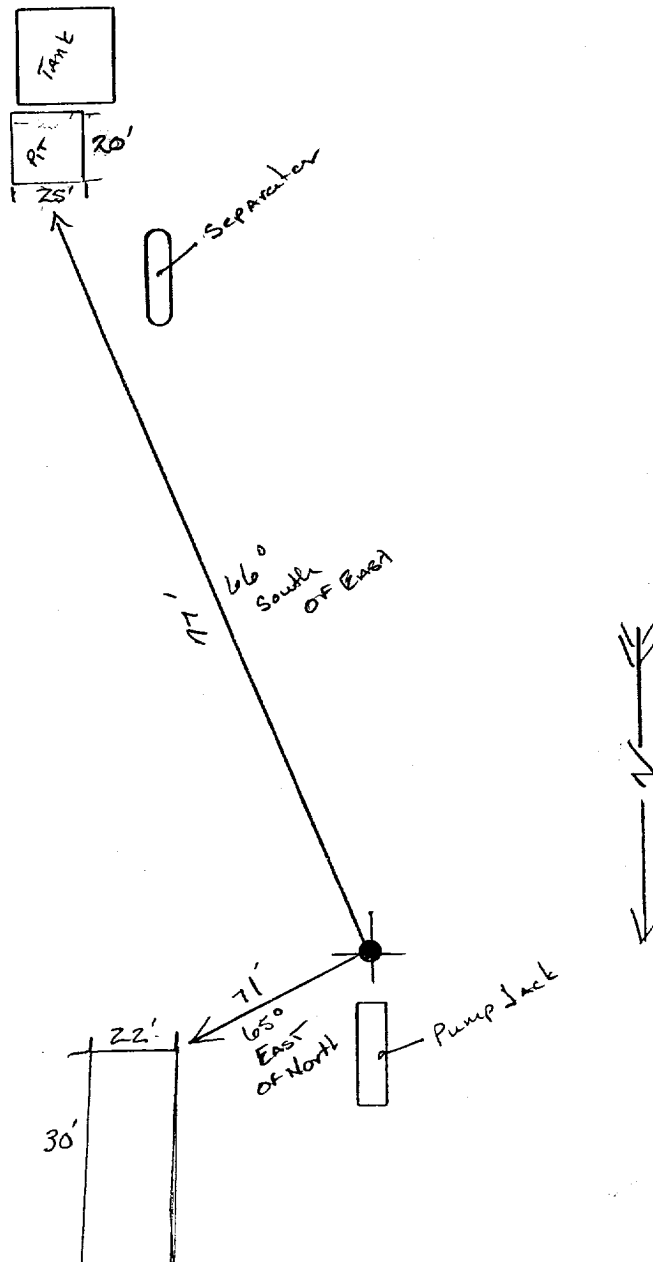


612 E Murray Dr.
Farmington, NM 87401
PH. (505) 325-5667
FAX. (505) 327-1496

Site Map

Landfarm

Location: JB Gould #6 Phillips 32 Unit: B
Section: 32 Township: 25N Range: R8W



Operator: Joseph B. Gould Company
Location Name: Joseph B. Gould #6 Phillips 32
Location: Unit G, Section 32, T25N, R3W
Risk Ranking: 0

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to pit has been removed. There has been no discharge to the pit for at least four (4) years and the pit has been closed for at least one year.

Each pit was back filled with clean soil and graded in a manner to divert precipitation away from excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact with livestock and populations is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within twenty (20) feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstone, shale and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) is degrading the residual hydrocarbon to carbon dioxide and water and will continue until source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to effect human health, therefore

Joseph B. Gould Company requests closure of this pit location.

ON SITE

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:	On Site Technologies Limited	Client Sample Info:	J.B. Gould #6 Phillips 32
Work Order:	0001015	Client Sample ID:	Center of Pit @ Bedrock
Lab ID:	0001015-01A	Matrix:	SOIL
Project:	4-1641; J.B. Gould #6 Phillips 32	Collection Date:	1/15/2000 2:15:00 PM
		COC Record:	10489

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	1/24/2000
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	1/19/2000

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

1 of 1

OFF: (505) 325-5667

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:	On Site Technologies Limited	Client Sample Info:	J.B. Gould #6 Phillips 32
Work Order:	0001015	Client Sample ID:	Side Wall Composite
Lab ID:	0001015-02A	Matrix:	SOIL
Project:	4-1641; J.B. Gould #6 Phillips 32	Collection Date:	1/15/2000 2:20:00 PM
		COC Record:	10489

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	9140	125		mg/Kg	5	1/20/2000
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	1140	45		mg/Kg	250	1/18/2000

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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Page: _____ of _____

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Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client

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 CONSERVATION DIVISION
P.O. Box 2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO

SANTA FE OFFICE

Landfarm Remediation and Closure Report

Owner/Operator: Joseph B. Gould Company

Telephone: (505) 774-6584

Address: P.O. Box 43 Lindrith, New Mexico 97029

Facility or Well Name: Joseph B. Gould #6 Phillips 32 Landfarm #1

Location: Unit or QTR/Qt B, Section: 32, T25N, R8W County: Rio Arriba

Land Type BLM X, State , Fee , Other

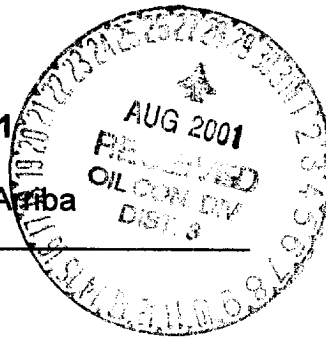
Landfarm location Length: 22' Width: 30'

Reference: Wellhead: X Other:

Footage from reference: 71'

Direction from reference: 65° East of North

Refer to attached map for land farm location



GENERAL DISCRPTION of LANDFARM ACTIVITIES:

Landfarm was west and north of the well head and measured 22 feet by 30 feet. Soils were placed in landfarm in 8 to 12 inch lifts. Soils were turned approximately every two (2) weeks, when weather allowed. Landfarm was sampled every quarter when weather allowed. For each sampling event 9 grab samples were arbitrarily collected from the landfarm and composited. Refer to attached table for laboratory and field screening results

SAMPLING INFORMATION

Type of sample: Grab: Composite: 9 points

Sample Depth :

Sample Date: Sample Time:

Laboratory Analysis: BTEX (ppm) TPH (ppm)

OVM/PID units

Refer to attached map for sample location. Laboratory results attached

AS AN AGENT FOR J.B. GOULD COMPANY, I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNATURE

DATE 8.23.01

PRINTED NAME Lawrence Trujillo TITLE Senior Environmental Technician

LANDFARMS LABORATORY RESULTS TABLE

LOCATION/LANDFARM	DATE	OVN/IPID READINGS (UNITS)	DIESEL RANGE ORGANICS (PPM)	GASOLINE RANGE ORGANICS (PPM)
J.B. Gould#6 Land farm #1	5/3/2000	81.0	8880	BDL
J.B. Gould#6 Land farm #1	8/8/2000	1.5	8220	BDL
J.B. Gould#6 Land farm #1	4/16/2001	0.0	12,600	BDL
J.B. Gould#6 Land farm #1	7/23/01	0.0	4310	NA

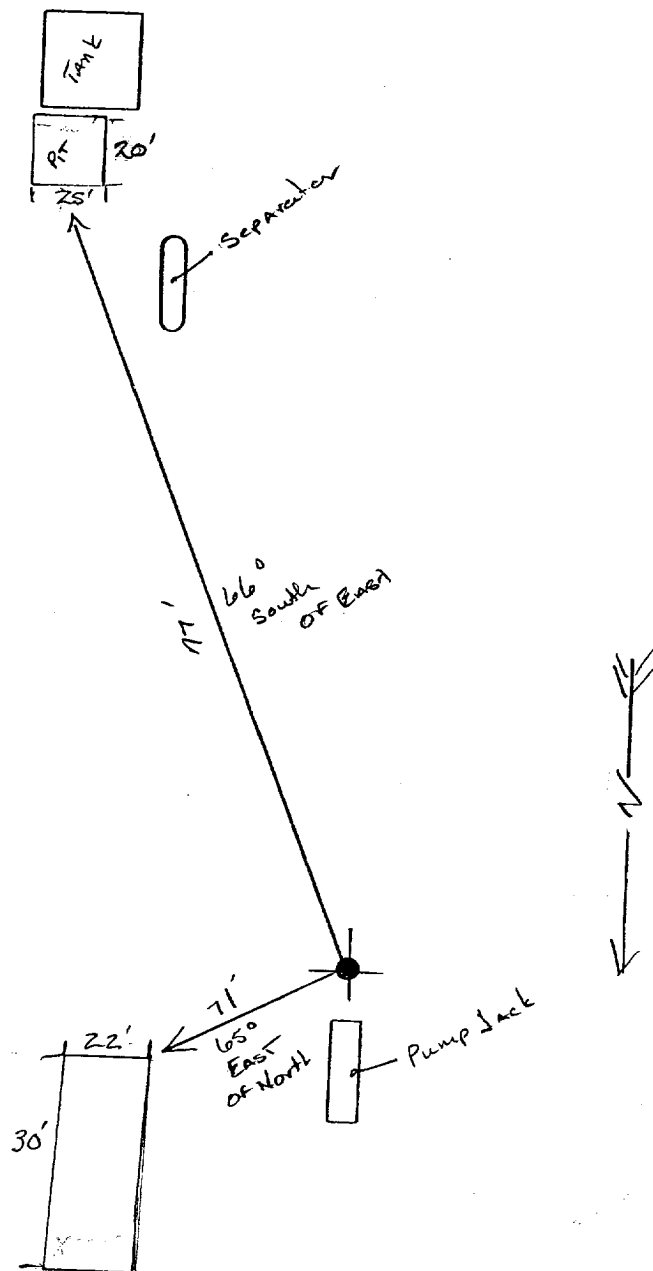


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Site Map

Landfarm

Location: JB Gould #6 Phillips 32 Unit: B
Section: 32 Township: 25N Range: R8W



OFF: (505) 325-5667
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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 02-May-01

Client: On Site Technologies Limited
Work Order: 0104019
Lab ID: 0104019-01A **Matrix:** SOIL
Project: 4-1641-6; J.B. Gould #6, Phillips 32

Client Sample Info: Phillips 32, Lindreth, NM
Client Sample ID: J.B. Gould #6 Landfarm
Collection Date: 4/16/2001 8:55:00 AM
COC Record: 11236

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	12600	250		mg/Kg	10	Analyst: DM 4/24/2001
GASOLINE RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: DC 4/18/2001

Qualifiers:

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ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surrogate - Surrogate

1 of 1

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EMAIL: ONSITE@ONSITELTD.COM

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ANALYTICAL REPORT

Date: 30-Aug-00

Client: On Site Technologies Limited
Work Order: 0008016
Lab ID: 0008016-01A **Matrix:** SOIL
Project: 4-1641-6; J.B. Gould #6 Phillips 32

Client Sample Info: J.B. Gould #6, Phillips 32
Client Sample ID: Landfarm Composite
Collection Date: 8/8/2000 9:15:00 AM
COC Record: 10861

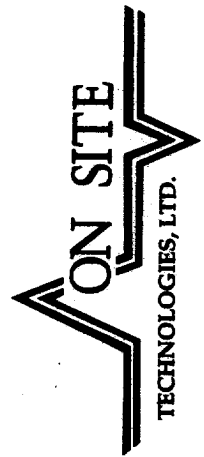
Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	8220	125		mg/Kg	5	Analyst: DM 8/24/2000
GASOLINE RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: DM 8/21/2000

Qualifiers:
PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

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CHAIN OF CUSTODY RECORD

11236

Date: 4-16-01
Page: of

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Purchase Order No.:		Project No. <u>4-1641-1</u>	
Name <u>Account Payable</u>		Title	
Company <u>On Site Technologies</u>		Company <u>J.R. Gould & Son Inc Technologies</u>	
Address <u>612 E. Murray Dr.</u>		Mailing Address <u>612 E. Murray Dr.</u>	
City, State, Zip <u>Farmington NM</u>		City, State, Zip <u>Farmington NM</u>	
Telephone No. <u>327-1496</u>		Telephone No. <u>327-1496</u>	
Fax No. <u>327-1496</u>		Fax No. <u>327-1496</u>	
PROJECT LOCATION: <u>612 E. Murray Dr. Farmington, NM</u>		ANALYSIS REQUESTED	
SAMPLER'S SIGNATURE: <u>[Signature]</u>		LAB ID	
SAMPLE IDENTIFICATION		Containers	
DATE	TIME	MATRIX	PRES.
<u>4/16/01</u>	<u>0800</u>	<u>Soil</u>	<u>1001</u>
Relinquished by: <u>[Signature]</u>		Received by:	
Relinquished by:		Received by:	
Relinquished by:		Received by:	
Method of Shipment:		Rush <input type="checkbox"/> 24-48 Hours <input type="checkbox"/> 10 Working Days <input type="checkbox"/> By Date	
Authorized by: <u>[Signature]</u> Date <u>4/16/01</u>		Special Instructions / Remarks:	

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client

CHAIN OF CUSTODY RECORD

100-44388-1

Date: 7-23-01

Page: 1 of 1

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