

Sep Risk - bedrock
LF closed

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
Santa Fe, New Mexico 87504-2088

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APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: J.B. Gould Company Telephone: (505) 774-6584

Address: P.O. Box 43 Lindrith, New Mexico 87029

Facility Or: Joseph B. Gould 5 Phillips 32,
Well Name

Location: Unit D. Section 32, T25N, R3W

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐



Pit Location: Pit dimensions:
length 20', width 25', depth 13" **Below center of pit**
(Attach diagram)
Reference: wellhead ☒, other ☐

Footage from reference: 116'

Direction from reference: 20° South of East

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	Greater than 100 feet	(0 points) <u>0</u>
ground water)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private domestic water	No (0 points) <u>0</u>
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, irrigation canals	Greater than 1000 feet	(0 points) <u>0</u>
and ditches)		

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 ☒

In situ 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 13 inches 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. Sep pit appeared to have been set into a 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 8-25-01

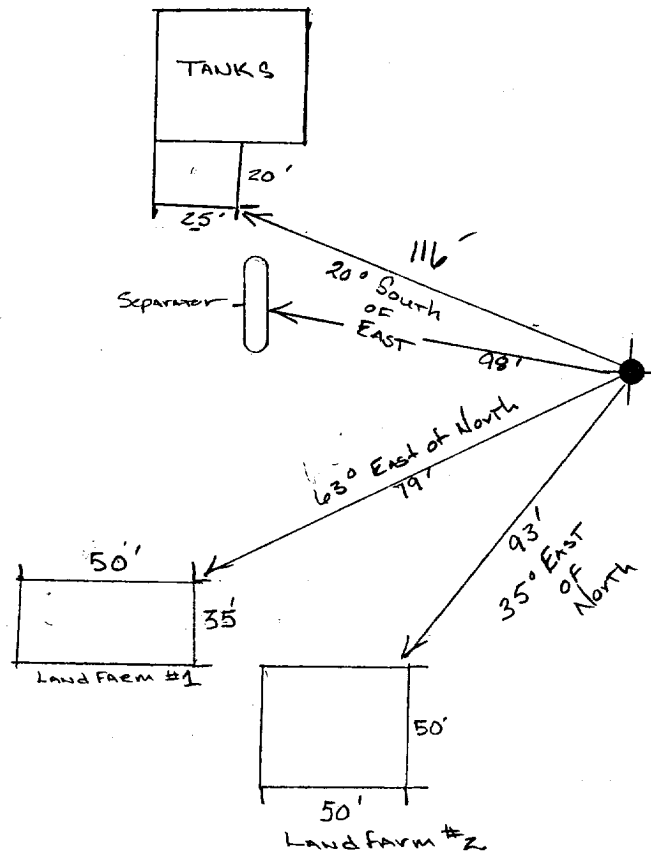
PRINTED NAME Lawrence Trujillo TITLE Senior Environmental Technician



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

Site Map

Location: JB Gould #5 Phillips 32 Unit: D
Section: 32 Township: 25N Range: R8W



OVM/PID READINGS AND LABORATORY RESULTS

J.B. GOULD #5 PHILLIPS 32 SEP PIT				
Sample Location	PID Units	Date/Time	Diesel Range Organic ppm	Gasoline Range Organics ppm
Center of Pit @ bedrock	PID Inop.	11/2/99, 11:17	6160.0	BDL
Sidewall Composite @ bedrock	PID Inop.	11/2/99, 11:17	518.0	BDL

BDL: Below Detection Limits

Operator: Joseph B. Gould Company
Location Name: Joseph B. Gould #5 Phillips 32
Location: Unit D, 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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:	On Site Technologies Limited	Client Sample Info:	J.B. Gould #5 Phillip 32
Work Order:	0001019	Client Sample ID:	Sidewall Composite
Lab ID:	0001019-01A	Matrix:	SOIL
Project:	J.B. Gould #5 Phillip 32; 4-1641	Collection Date:	1/17/2000 11:55:00 AM
		COC Record:	10493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	652	25		mg/Kg	1	1/24/2000
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	1/18/2000

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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ON SITE

TECHNOLOGIES, LTD.

OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:	On Site Technologies Limited	Client Sample Info:	J.B. Gould #5 Phillip 32
Work Order:	0001019	Client Sample ID:	Center Pit
Lab ID:	0001019-02A	Matrix:	SOIL
Project:	J.B. Gould #5 Phillip 32; 4-1641	Collection Date:	1/17/2000 12:05:00 PM
		COC Record:	10493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	16500	250		mg/Kg	10	1/24/2000
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	112	18		mg/Kg	100	1/19/2000

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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 #5 Phillips 32 Landfarm #1

Location: Unit or QTR/Qtr D, Section: 32, T25N, R8W
County: Rio Arriba

Land Type BLM X, State , Fee , Other

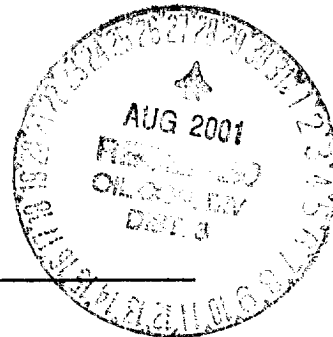
Landfarm location Length: 50' Width: 35'

Reference: Wellhead: X Other:

Footage from reference: 79 feet

Direction from reference: 63 Degrees East of North

Refer to attached map for land farm location



GENERAL DISCRIPTION of LANDFARM ACTIVITIES:

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 collect 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 : 6 to 8 inches

Sample Date: Refer to attached laboratory results Sample Time: Refer to attached laboratory results

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

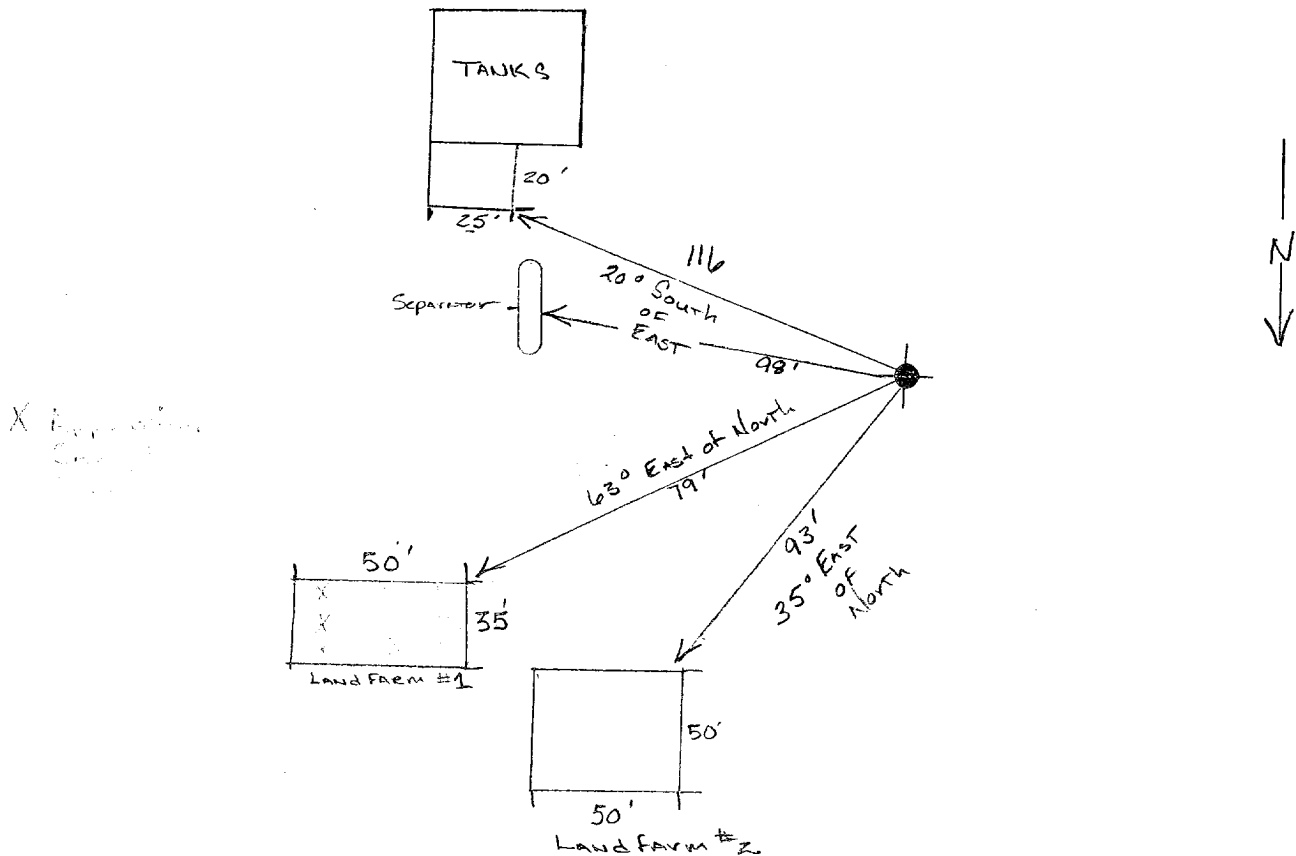
Senior Environmental Technician



612 E Murray Dr.
Farmington, NM 87401
PH. (505) 325-5667
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Site Map

Location: JB Gould #5 Phillips 32 Unit: D
Section: 32 Township: 25N Range: R8W



LANDFARMS LABORATORY RESULTS TABLE

LOCATION/LANDFARM	DATE	OVM/PID READINGS (UNITS)	DIESEL RANGE ORGANICS (PPM)	GASOLINE RANGE ORGANICS (PPM)
J.B. Gould#5 Land farm #1	1/14/2000	0.1	3670	BDL
J.B. Gould#5 Land farm #2	5/4/2000		Not	Sampled
J.B. Gould#5 Land farm #2	8/8/2000	0.1	11,000	BDL
J.B. Gould#5 Land farm #2	4/16/2001	0.0	9560	BDL
J.B. Gould#5 Land farm #2	7/23/2001	0.0	3740	NA

BDL: Below Detection Limits

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:	On Site Technologies Limited	Client Sample Info:	J.B. Gould #5 Phillip 32
Work Order:	0001019	Client Sample ID:	Landfarm Composite
Lab ID:	0001019-03A	Matrix:	SOIL
Project:	J.B. Gould #5 Phillip 32; 4-1641	Collection Date:	1/17/2000 12:00:00 PM
		COC Record:	10493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	3670	125		mg/Kg	5	1/24/2000
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	1/18/2000

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Sur: - Surrogate

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ANALYTICAL REPORT

Date: 11-Aug-01

Client:	On Site Technologies Limited	Client Sample Info:	Phillips 32 Lindrith, NM
Work Order:	0107037	Client Sample ID:	J.B. Gould #5 Landfarm #2
Lab ID:	0107037-01A	Matrix:	SOIL
Project:	4-1641-5; J.B. Gould #5 - Phillips 32	Collection Date:	7/23/2001 9:19:00 AM
		COC Record:	11480

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	3740	250		mg/Kg	10	8/8/2001

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

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EMAIL: ONSITE@ONSITELTD.COM

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Date: 1/17/00

Page: / of [illegible]

CHAIN OF CUSTODY RECORD

Date: 7/23/01

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[illegible]

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