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

Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088 LF closed

SUBMIT 1 COPY TO **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 6 + Phillips 32, **Well Name** Location: Unit B. Section 32, T25N, R3W Pit Type: Separator X Dehydrator Other Land Type: BLM X, State ____, Fee ____, Other_ Pit Location: Pit dimensions: length 20', width 25', depth 5' Below center of pit (Attach diagram) Reference: wellhead X, other_____ Footage from reference: 77' Direction from reference: 66° South of East Less than 50 feet (20 points) **Depth To Ground Water:** (Vertical distance from 50 feet to 99 feet (10 points) contaminants to seasonal high water elevation of Greater than 100 feet (0 points) **0** ground water) 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:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals Greater than 1000 feet and ditches)

Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) (0 points) **0**

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: Janu	uary 17, 2000 Date Completed: J	lanuary 17, 2000
Remediation Method: Excavation (Check all appropriate sections) Landfarmed _	on X Approx. cubic yards <u>93</u> X Insitu Bioremediation	
Other		
Remediation Location: Onsite 2 (i.e. landfarmed onsite, name and	d location of offsite facility)	
encountered. Pit appeared to be was collected. The removed soil	rock was encountered at 5 feet bel ration at the bedrock. The sidewal e set into the sandstone shelf. A 4 ils are to be landfarmed onsite.	low the center of the pit. Samples were lls were excavated until bedrock was 4-point composite sample from the sidewalls
Ground Water Encountered:	No X Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location: Refer to attac	hed Table
attach sample results and diagram of sample	Sample depth	
locations and depths)	Sample Date`	Sample Time
	Sample Results Refer to attach	ed Table
	Benzene (ppm)	
	Total BTEX (ppm)	
	Field headspace (ppm)	
	TPH	
	No (If yes, attach sam	
TRUE AND COMPLETE TO TH	HE BEST OF MY KNOWLEDGE A	THAT THE INFORMATION ABOVE IS NO BELIEF DATE Y. 63.01
PRINTED NAMELawrence	ce Trujillo TITLE Senior Environn	

OVM/PID READINGS AND LABORATORY RESULTS

Sample Location PID Units Date/Time Diesel Rang Center of pit @ bedrock 81.0 1/15/00, 14:15 ppr Sidewall Composite @ <1900.0	Cincon Connection	
81.0 1/15<1900.0 1/15 Not Sala	Diesel Kange Organic ppm	Gasoline Range Organics ppm
<1900.0 1/18 Not		BDL
	14:20 9140.0	1140.0
ta	ASSESSMENT	
	1 11/2/99 Water in the pit	
Sidewall Composite Not Sampled 11/2/99	11/2/99 Water in the pit	

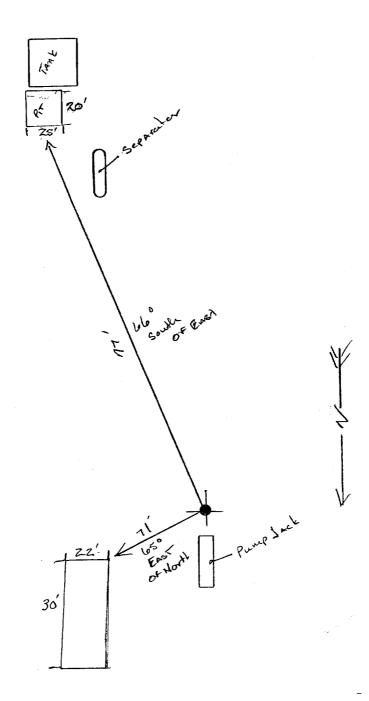
BDL: Below Detection Limits



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

Site Map

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 Technologies Limited Partnership Rskevl.doc



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:

On Site Technologies Limited

Work Order:

0001015

Lab ID:

0001015-01A

Matrix: SOIL

Project:

4-1641; J.B. Gould #6 Phillips 32

Client Sample Info: J.B. Gould #6 Phillips 32

Client Sample ID: Center of Pit @ Bedrock

Collection Date: 1/15/2000 2:15:00 PM

COC Record: 10489

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	sv	V8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	1/24/2000
GASOLINE RANGE ORGANICS	SV ND	V8015B 0.18		mg/Kg	1	Analyst: DM 1/19/2000
T/R Hydrocarbons: C6-C10	ND	0.10		mg/Ng	•	17 13/2000

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

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jan-00

Client:

On Site Technologies Limited

Work Order:

0001015

Lab ID:

0001013

0001015-02A

Matrix: SOIL

Project:

4-1641; J.B. Gould #6 Phillips 32

Client Sample Info: J.B. Gould #6 Phillips 32

Client Sample ID: Side Wall Composite

Collection Date: 1/15/2000 2:20:00 PM

COC Record: 10489

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	~ -	V8015B			Analyst: DM
T/R Hydrocarbons: C10-C28	9140	125	mg/Kg	5	1/20/2000
GASOLINE RANGE ORGANICS	SV	V8015B			Analyst: DM
T/R Hydrocarbons: C6-C10	1140	45	mg/Kg	250	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

1 of 1

ON SITE TECHNOLOGIES, LTD.

CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 327-1496

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LAB ID Date/Time Date/Time Date/Time By Date **ANALYSIS REQUESTED** Telefax No. Title 10 Working Days Special Instructions / Remarks: Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client 24-48 Hours Name 🛴 💮 Mailing Address City, State, Zip Telephone No. Company Received by: Received by: Received by: Rush RESULTS TO Containers ТЯОЧЭЯ Number of PRES. Date/Time MATRIX Port of the second of the seco Date/Time Date/Time SAMPLE TIME Dept. Date _ Project No. DATE (Client Signature Must Accompany Request) SAMPLE IDENTIFICATION SAMPLER'S SIGNATURE: City, State, Zip PROJECT LOCATION: Method of Shipment: Purchase Order No.: Company Address Name Relinquished by: Relinquished by: Relinquished by: Authorized by: INVOICE SEND

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 SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO

OIL CONSERVATION DIVISION

P.O. Box 2088

SANTA FE OFFICE

Landfarm Remediation and Closure Report

Owner/Operator: Joseph B. Gould Company Telephone: (505) 774-6584
Totophone: (000) 714-0004
Address: P.O. Box 43 Lindrith, New Mexico 97029
Facility or Well Name: Joseph B. Gould #6 Phillips 32 Landfarm #1 Phillips 2001
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 DISCRIPTION 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
$V = \frac{1}{2} \left(\frac{1}{2} \right)$
SIGNATURE DATE \$.23-01
PRINTER MANE
PRINTED NAME <u>Lawrence Trujillo</u> TITLE <u>Senior Environmental Technician</u>

LANDFARMS LABORATORY RESULTS TABLE

LOCATION LANDTAKM	DATE	OVINIPID READINGS (UNITS)	DIESEL RANGE ORGANICS (PPM)	GASOLINE RANGE ORGANICS (PPM)
J.B. Gould#6 Land farm #1	5/3/2000	81.0		BDL
I.B. Gould#6 Land farm #1	8/8/2000	1.5	8220	BDL
I.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	AZ

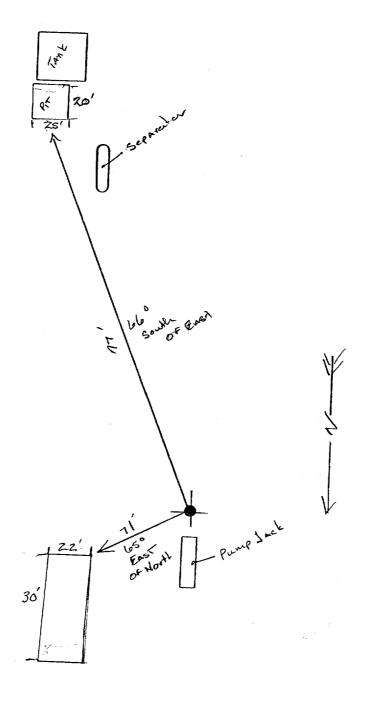


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Site Map

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

Right Contraction





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

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

ANALYTICAL REPORT

Date: 02-May-01

Client:

On Site Technologies Limited

Work Order:

0104019

Lab ID: Project: 0104019-01A

Matrix: SOIL

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 T/R Hydrocarbons: C10-C28 GASOLINE RANGE ORGANICS T/R Hydrocarbons: C6-C10	12600	W8015B 250 W8015B 0.18	mg/Kg mg/Kg	10	Analyst: DM 4/24/2001 Analyst: DC 4/18/2001

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

P.O. BOX 2606 • FARMINGTON, NM 87499 EMAIL: ONSITE@ONSITELTD.COM

ON SITE

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

TECHNOLOGIES, LTD.

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

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	81	V8015B				
T/R Hydrocarbons: C10-C28 GASOLINE RANGE ORGANICS	8220	125		mg/Kg	5	Analyst: DM 8/24/2000
T/R Hydrocarbons: C6-C10	SV	V8015B			9	
	ND	0.18		mg/Kg	1	Analyst: DM 8/21/2000

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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CHAIN OF CUSTODY RECORD

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CHAIN OF CUSTODY RECORD

10-82-6 Date:

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 327-1496 ON SITE TECHNOLOGIES, LTD.

OIO7035-CAA LABID Date/Time---Date/Time Date/Time By Date Telefax No. **ANALYSIS REQUESTED** 10 Working Days City, State, Zip Farming Special Instructions / Remarks: Mailing Address 6,1 2 24-48 Hours Name Incom Company J & Telephone No. Date/Time 7000 (€2) Received (vy. Received by: Received by Rush RESULTS TO Containers ТЯОЧЭЯ Number of PRES. 200 Dept. Project No. 4-16-41 - L MATRIX <u>۔</u> چ Date 7.23.01 Date/Time Date/Time SAMPLE のかとめ TIME 7/23/21 08"T DATE (Client/Signature <u>Must</u> Accompany Request) 3 SAMPLE IDENTIFICATION 1 # 37 Name Acares SAMPLER'S SIGNATURE: Address 717 Company O. City, State, Zip PROJECT LOCATION: Authorized by: <a>
\textstyle \t Method of Shipment: Purchase Order No.: Relinquished by: Relinquished by: Relinquished by: 10 Gay () TO TO SEND

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

To Re-order Coll 325-96m or Fox 325-9764 Bibliothophics FORM # 01