

Oval sheets

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: SJ 28-6 UNIT #93 MV (72572)
Location: Unit or Qtr/Qtr Sec ^{SW/SW} Sec 36 T 28N R 6W County Rio Arriba
PitType Dehydrator
LandType: BLM

Pit Location: Pit dimensions: length 21 ft., width 24 ft., depth 11 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 72 ft.

Direction from reference: 36 Degrees West of South

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal high
water elevation of ground
water)

| | | |
|-----------------------|-------------|---|
| Less than 50 feet | (20 points) | |
| 50 feet to 99 feet | (10 points) | |
| Greater than 100 feet | (0 points) | 0 |

Wellhead Protection Area:

(Less than 200 feet from a private domestic
water source, or; less than 1000 feet from
all other water sources)

| | | |
|-----|-------------|---|
| Yes | (20 points) | |
| No | (0 points) | 0 |

Distance To Surface Water:

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

| | | |
|-------------------------|-------------|---|
| Less than 200 feet | (20 points) | |
| 200 feet to 1,000 feet | (10 points) | |
| Greater than 1,000 feet | (0 points) | 0 |

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 12/2/96

Date Completed:

Remediation Method: Excavation ☒

Approx. Cubic Yard 205

(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:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated and placed into an onsite landfarm.

Ground Water Encountered: No

Final Pit:

Closure Sampling:

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

Sample location SJ 28-6 #93 MV-VE-SB-01(21-22)

Discrete sample collected from 21-22' interval bgs to determine vertical extent of contamination.

Sample depth 22'

Sample date 7/25/00

Sample time 17:17

Sample Result

Benzene (ppm)

Total BTEX (ppm)

Field Headspace (ppm)

97

TPH (ppm) 890

Ground Water Sample: No

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

DATE 12-23-01

SIGNATURE

PRINTED NAME
AND TITLE

Mark Harvey for Williams Field Services
Project Coord.

72572

PIT RETIREMENT FORM

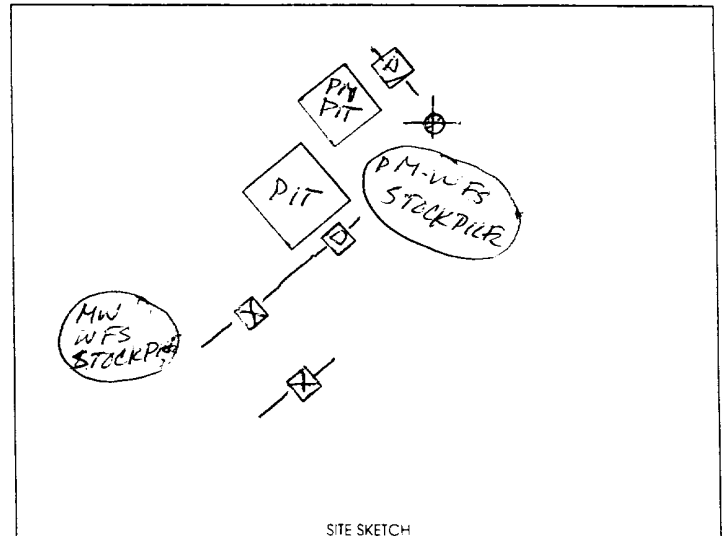
Date: 12-3-96Weather SUNNY-CLEAR-60-34°Well Name SJ 28-6-#93M1 Operator BORUNGTEN RESOURCES Sec 36 T 28N R 6W U 0904

Land Type: BLM STATE FEE INDIAN

County _____

One Call Made (505-765-1234)? ☒ Y ☐ NLine Marking Evident? ☒ Y ☐ N

Pit Location:

Reference Wellhead ☒ X Other _____Distance from: 72 feetDirection: 36 Degrees _____ E _____ N __________ of _____
_____ X W S XStarting Pit Dimensions 15 x 17 x 2Final Pit Dimensions 21 x 24 x 11

SITE SKETCH

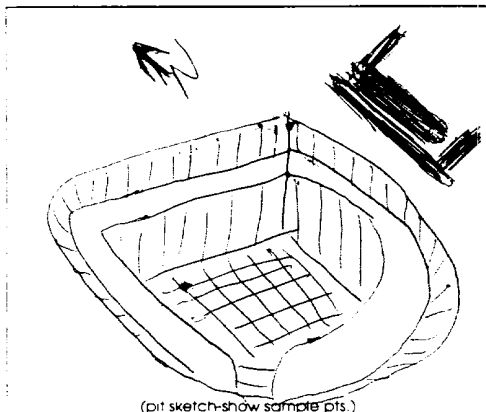
Organic Vapor Readings: Start 0 Soil Description: GRAY SAND
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ _____
 @ _____

Well Proximity To: Residence, Domestic Water Well, Stock Well NONEArroyo, Wash, Lake, Stream NONEEstimated or Known Distance to Ground Water >100

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID _____ soil / water
 Progress: Verification: ID _____ soil / water
 Progress: Verification: ID _____ soil / water

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

Comments: EXCAVATE 4 SURF SOIL - PLACE IN LANDFARMEXCAVATION LEFT OPEN TO FACILITATE SOIL VENTING

Soil Shipped to: _____

Prepared by: _____

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 #: 0008010

SENT WILLIAMS GAS PIPELINE
TO: PO BOX 215
BLOOMFIELD, NM 87413
JIM STRUHS

DATE REPORTED: 08/15/00
DATE COLLECTED: 07/25/00
DATE RECEIVED: 08/01/00

PROJECT: WFS/NM PITS

Reference Fraction:0008010-02A

Sample ID: SJ28-6#93MV-VE-SB-01(21-22

Sample Matrix: SOIL

Sample Date Collected: 07/25/0017:17:00

| TEST | METHOD | RESULT | UNITS | PQL | ANALYZED | BY |
|---------|-------------|--------|-------|-----|----------|-----|
| TPH-DRO | SW846-8015D | 890 | MG/KG | 2 | 08/08/00 | BEM |

ND=NONE DETECTED

PQL=PRACTICAL QUANTITAION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **Mark Harvey**
Company: **Williams Field Services**
Address: **295 Chipeta Way**
City, State: **Salt Lake City, UT 84158**

Date: **19-Jun-97**
COC No.: **OS0001**
Sample No.: **14918**
Job No.: **2-1000**

Project Name: **OCD 96 Pit Project**
Project Location: **SJ 28-6 #93 MV-V-LF-03** 72572
Sampled by: **AH** Date: **11-Jun-97** Time: **17:30**
Analyzed by: **DC/HR** Date: **17-Jun-97**
Sample Matrix: **Soil**

Laboratory Analysis

| Parameter | Results as Received | Unit of Measure | Limit of Quantitation | Unit of Measure |
|--|---------------------|-----------------|-----------------------|-----------------|
| <i>Diesel Range Organics (C10 - C28)</i> | 71 | mg/kg | 5 | mg/kg |

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

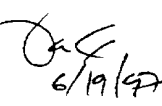
Continuing Calibration Verification

| Parameter | Method Blank | Unit of Measure | True Value | Analyzed Value | RPD | RPD Limit |
|---------------------------------|--------------|-----------------|------------|----------------|-----|-----------|
| <i>Diesel Range (C10 - C28)</i> | ND | ppm | 200 | 197 | 1.7 | 15% |

Matrix Spike

| Parameter | 1 - Percent Recovered | 2 - Percent Recovered | Limit | RPD | RPD Limit |
|-------------------------------|-----------------------|-----------------------|----------|-----|-----------|
| <i>Diesel Range (C10-C28)</i> | 86 | 104 | (70-130) | 10 | 20% |

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: 

Date: **6/19/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -