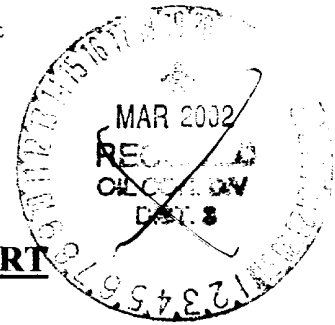


Oval sheet
made
OK

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

OK 1542

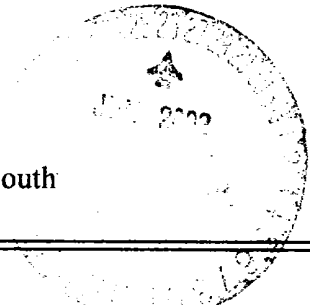
Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SJ 27-5 UNIT #66 (86419)
Location: Unit or Qtr/Qtr Sec ~~1542~~ Sec 27 T 27N R 5W County Rio Arriba
PitType Dehydrator ~~1542~~ M
LandType: BLM

Pit Location: Pit dimensions: length 20 ft., width 17 ft., depth 10 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 86 ft.

Direction from reference: 36 Degrees East of South



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) 0

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): 0

Date Remediation Started: 12/6/96

Date Completed:

Remediation Method: Excavation ☒

Approx. Cubic Yard 126

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation ☐

Other Soil venting

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. Leave excavation open to facilitate soil venting. Return to site and soil probe to determine VE @ 20'

Ground Water Encountered: No

Final Pit:

Closure Sampling:

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

Sample location SJ 27-5 #66-VE-SB-01 (19-20)

Advance soil probe to 20' bgs to determine vertical extent.

Sample depth

Sample date 7/27/00

Sample time 16:00

Sample Result

Benzene (ppm)

Total BTEX (ppm)

Field Headspace (ppm)

10

TPH (ppm) 29

Ground Water Sample: No

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

DATE 12-28-01

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE Project Coord.

Form B

PIT RETIREMENT FORM

Date: _____

Weather CLOUDY/L.RAIN/WINDY/38°

Well Name ST 27-5 #66 Operator BURINGTON RESOURCES Sec 27 T 27N R 52W UL 1090'S 990'W

Land Type: BLM STATE FEE INDIAN

County RIO ARKANSAS

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

Reference Wellhead ☒ Other _____

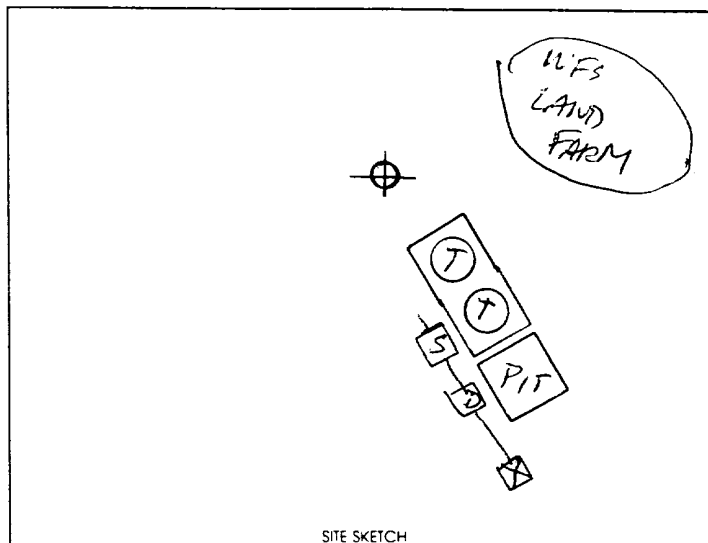
Distance from: 86 feet

Direction: 36° Degrees ☒ E ☐ N ☒ S

of _____ W _____ S _____

Starting Pit Dimensions 11' x 11' x 2'

Final Pit Dimensions 20' x 17' x 10'



Organic Vapor Readings: Start _____
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ _____
 @ _____

Soil Description: GRAY-BROWN SANDY CLAY

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

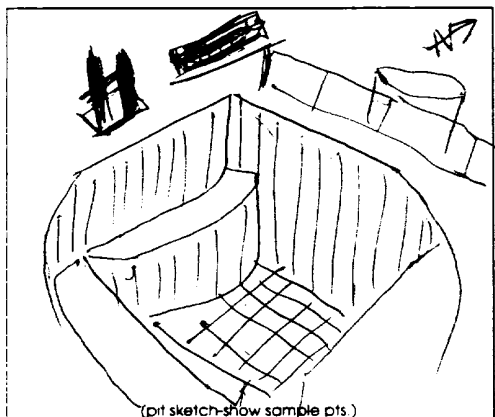
Arroyo, Wash, Lake, Stream _____

Estimated or Known Distance to Ground Water >100 feet

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 + SHED IMPACTED SOIL - LANDFARM
ON-SITE - ADD FERTILIZER - HAVE EXCAVATION OPEN TO FACILITATE
SOIL VENTING - BACKFILL - RETURN TO SITE + SOIL PROBE TO
CONFIRM SOIL VENTING EFFECTIVE - VE @ 20'

Soil Shipped to: ON-SITE LF

Prepared by: MH

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: 07/27/00
DATE RECEIVED: 08/01/00

PROJECT: WFS/NM PITS

Reference Fraction:0008010-06A

Sample ID: SJ27-5#66-VE-SB-01(19-20)

Sample Matrix: SOIL

Sample Date Collected: 07/27/0016:00:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	29	MG/KG	2	08/08/00	BEM

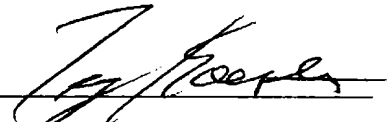
ND=NONE DETECTED

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.: **14908**
Job No.: **2-1000**

Project Name: **OCD 96 Pit Project**
Project Location: **SJ 27-5 #66-V-LF-03** 86419
Sampled by: **AH** Date: **11-Jun-97** Time: **14:00**
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
Diesel Range Organics (C10 - C28)	16	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

(Handwritten: CVM C)

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

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

Matrix Spike

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

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

Approved by: *(Signature)*
Date: **6/19/97**

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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.: **14909**
Job No.: **2-1000**

Project Name: **OCD 96 Pit Project**
Project Location: **SJ 27-5 #66-V-EX-03** 86419
Sampled by: **AH** Date: **11-Jun-97** Time: **14:15**
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>	185	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

OVM 125

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:

[Signature]
6/19/97

P.O. BOX 2606 • FARMINGTON, NM 87499

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