

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:

Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: New Mexico Federal N #6 ( 32589 )

Location: Unit or Qtr/Qtr ~~SW~~ Sec 6 T 30n R 12w County San Juan

PitType Dehydrator

LandType: BLM

Pit Location: Pit dimensions: length 15 ft., width 16 ft., depth 9 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 63 ft.

Direction from reference: 144 Degrees E of N

Depth To Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	(0 points)	<u>0</u>
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	<u>0</u>
domestic water 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 1,000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,	Greater than 1,000 feet	(0 points)	<u>0</u>
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 11/17/00

Date Completed: 11/17/00

Remediation Method: Excavation ☒

Approx. Cubic Yard 80

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration.

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. Encountered BEDROCK at 9'. The excavated material was mechanically aerated and placed into an onsite landfarm.

Ground Water Encountered: 0

Final Pit:

Sample location NM FED#6-V--EXFL-01

Closure Sampling:

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

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

Sample depth 9'

Sample date 11/17/00

Sample time 16:21

Sample Result

Benzene (ppm) 0.14

Total BTEX (ppm) 4.98

Field Headspace (ppm)

TPH (ppm) 93

Ground Water Sample: 0

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

DATE 12-20-01

SIGNATURE

PRINTED NAME  
AND TITLEMark Harvey for Williams Field Services  
Proj. Coordinato

# PIT RETIREMENT FORM

Date: 11-17-00

32589

Weather MOSTLY SUNNY - 30°

Well Name NM FED N#6 Operator \_\_\_\_\_

Sec 6 T 30N R 12W UL SW/SW

Land Type: BLM STATE FEE INDIAN

County \_\_\_\_\_

One Call Made (505-765-1234)? ☒ N

Line Marking Evident? ☒ N

## Pit Location:

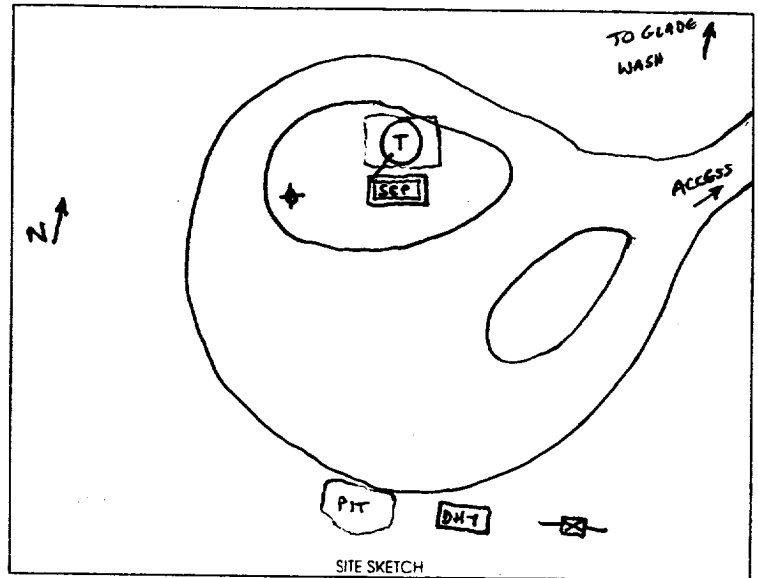
Reference Wellhead ☒ Other \_\_\_\_\_

Distance from: 63'

Direction: 144 Degrees ☒ E ☒ N ☒ S  
of \_\_\_\_\_  
\_\_\_\_\_ W \_\_\_\_\_

Starting Pit Dimensions NA x \_\_\_\_\_ x \_\_\_\_\_

Final Pit Dimensions 15 x 16 x 9



Organic Vapor Readings: Start \_\_\_\_\_  
@ 2' \_\_\_\_\_  
@ 4' \_\_\_\_\_  
@ 6' \_\_\_\_\_  
@ 8' \_\_\_\_\_  
@ 9' \_\_\_\_\_  
@ \_\_\_\_\_

Soil Description: SILTY SAND  
\_\_\_\_\_  
" "  
\_\_\_\_\_  
SAND  
\_\_\_\_\_  
SILTY SAND  
\_\_\_\_\_  
SAND  
\_\_\_\_\_  
SILTSTONE-BEDROCK  
\_\_\_\_\_

Well Proximity To: Residence, Domestic Water Well, Stock Well > 1 MILE

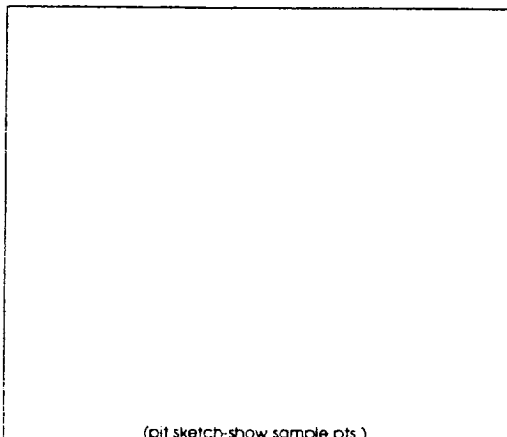
Arroyo, Wash, Lake, Stream GLADE WASH ~ 1/2 MILE N

Estimated or Known Distance to Ground Water \_\_\_\_\_

Source of Backfill (if other than processed material) \_\_\_\_\_

Samples collected: Type \_\_\_\_\_ Progress: Verification ID NM FED N#6-V-EXNA-01 SOIL / water  
Progress: Verification ID NM FED N#6-V-EXFL-01 SOIL / water  
Progress: Verification: ID \_\_\_\_\_ soil / water

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



(pit sketch-show sample pts.)

Comments: DEHY DISCHARGES TO TINHORN (DRUM) - EXCAVATE +  
PULL SOIL W/ STAINING + HYDROCARBON ODOR - MATERIAL IS  
DISCOLORED ON BOTTOM + NORTH SIDEWALL (GREY) - SLIGHT HYDROCARBON  
ODOR - BEDROCK ENCOUNTERED @ 9' BGS - SANDSTONE -

Soil Shipped to: \_\_\_\_\_

Prepared by: M. [Signature]

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 #: 0011536

SENT WILLIAMS FIELD SERVICE  
TO: 295 CHIPETA WAY  
SALT LAKE CITY, UTAH 84158  
MARK HARVEY  
PROJECT: TAA PITS

DATE REPORTED: 11/30/00  
DATE COLLECTED: 11/17/00  
DATE RECEIVED: 11/21/00

Reference Fraction: 0011536-12A  
Sample ID: NM FED#6-V-EKFL-01 32589  
Sample Date Collected: 11/17/00 16:21:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH-DRO	SW846-8015D	93	MG/KG	2.0	11/23/00 BEM
BTEX	OAL/8021B			3.0	
BENZENE		0.139	MG/KG	0.050	11/28/00 MB
TOLUENE		0.083	MG/KG	0.050	11/28/00 MB
ETHYLBENZENE		0.162	MG/KG	0.050	11/28/00 MB
TOTAL XYLENES		4.58	MG/KG	0.050	11/28/00 MB
BFB (SURROGATE)		91	125	75	

ND=NONE DETECTED  
PQL=PRACTICAL QUANTITATION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER  
LABORATORY DIRECTOR

11/30/00 15:42 FAX 13162327730

QWAL LAB

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## QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

## LABORATORY REPORT:

REFERENCE #: 0011536

SENT WILLIAMS FIELD SERVICE  
TO: 295 CHIPETA WAY  
SALT LAKE CITY, UTAH 84158  
MARK HARVEY  
PROJECT: TAA PITS

DATE REPORTED: 11/30/00  
DATE COLLECTED: 11/17/00  
DATE RECEIVED: 11/21/00

Reference Fraction: 0011536-11A  
Sample ID: NM FED#6-V-EXWA-01 32589  
Sample Date Collected: 11/17/00 16:17:00

Sample Matrix: SPIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2.0	11/23/00	BEM
BTEX	OAL/8021B			3.0		
BENZENE		0.353	MG/KG	0.050	11/28/00	MB
TOLUENE		0.072	MG/KG	0.050	11/28/00	MB
ETHYLBENZENE		ND	MG/KG	0.050	11/28/00	MB
TOTAL XYLENES		0.081	MG/KG	0.050	11/28/00	MB
BFB (SURROGATE)		100	125	75		

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER  
LABORATORY DIRECTOR

QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

REFERENCE #: 0012155

SENT WILLIAMS GAS PIPELINE  
TO: 187 COUNTY ROAD # 4980  
BLOOMFIELD, NM 87413  
MARK HARVEY  
PROJECT: TAA FITS

DATE REPORTED: 12/12/00  
DATE COLLECTED: 12/04/00  
DATE RECEIVED: 12/06/00

Reference Fraction: 0012155-07A  
Sample ID: NM FED N#6-V-LF-01 32589  
Sample Date Collected: 12/04/00 11:04:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH-DRO	SW846-8015D	18	MG/KG	2.0	12/11/00 BEI
BTEX	OA1/8021B			3.0	
BENZENE		ND	MG/KG	0.050	12/07/00 MB
TOLUENE		ND	MG/KG	0.050	12/07/00 MB
ETHYLBENZENE		ND	MG/KG	0.050	12/07/00 MB
TOTAL XYLENES		0.160	MG/KG	0.050	12/07/00 MB
BFB (SURROGATE)		105	125	75	

ND=NONE DETECTED  
PQL=PRACTICAL QUANTITATION LIMIT  
SU=STANDARD UNITS  
B=DETECTED IN METHOD BLANK

APPROVED BY:

  
TERRY KOESTER  
LABORATORY DIRECTOR