

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

AUG 19 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OK

RECEIVED
MAY 27 1999

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: Dugan Petroleum (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: GRIGSBY FEDERAL #2 (86837)
Location: Unit or Qtr/Qtr Sec N Sec 7 T 25N R 10W County San Juan
PitType Dehydrator
LandType: BLM

Pit Location: Pit dimensions: length 14 ft., width 13 ft., depth 8 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 63 ft.

Direction from reference: 130 Degrees East of North

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)	0
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	0
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)	0
irrigation canals and ditches)			

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 10/6/98

Date Completed: 10/6/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 55

(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 placed into an onsite landfarm.

Ground Water Encountered: No

Final Pit:

Sample location GRIGSBY FED #2-V-EXFL-01

Closure Sampling:

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

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

Sample depth 8 feet

Sample date 10/6/98

Sample time 14:00

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) <0.050

Field Headspace (ppm)

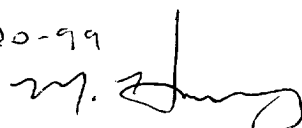
TPH (ppm) <40.0

Ground Water Sample: No

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

DATE 5-20-99

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

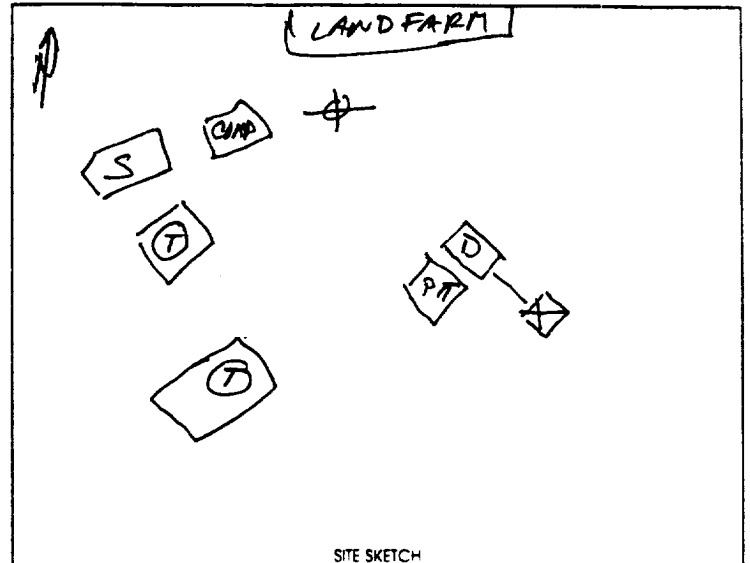
PIT RETIREMENT FORM

Date: 10/6/98 86887 Weather _____
 Well Name GRIGSBY FEDERAL #2 Operator DUGAN Sec 7 T25N R10W UL N
 Land Type: BLM STATE FEE INDIAN County SAN JUAN
 One Call Made (505-765-1234)? Y N
 Line Marking Evident? Y N

Pit Location:

Reference Wellhead X Other _____
 Distance from: 63
 Direction: 130 Degrees X E N X
 of
 W S

Starting Pit Dimensions 12 x 12 x 1
 Final Pit Dimensions 13 x 14 x 8



SITE SKETCH

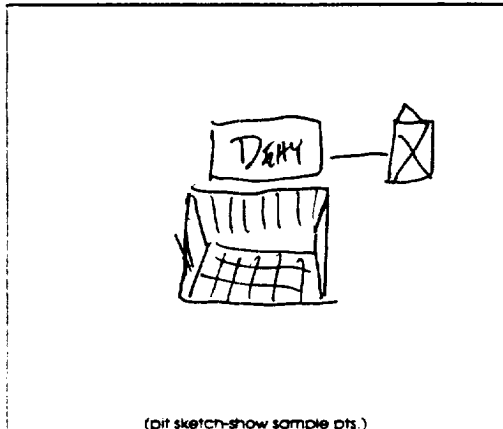
Organic Vapor Readings: Start _____ Soil Description: SAND
 @ 2' _____ SAND
 @ 4' _____ SAND
 @ 6' _____ SAND
 @ 8' _____ SAND
 @ _____
 @ _____

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream ≈ 100 YD NORTH TO WASH
 Estimated or Known Distance to Ground Water 75 feet

Source of Backfill (if other than processed material) _____

Samples collected: Type Progress: Verification: ID GRIGSBY FED #2 - U-EVFL-01 soil / water
 Progress: Verification: ID GRIGSBY FED #2 - U-EVAD-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: REMOVED TANK - EXCAVATE IMPACTED
SOIL - CLEAN FLOOR AND WALLS - BACKFILLED
WITH CLEAN MATERIAL - PLACED SOIL IN
LAND FARM -

Soil Shipped to: _____
 Prepared by: ASH

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:**REFERENCE #:** 9810349

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY

DATE REPORTED: 10/15/98
DATE COLLECTED: 10/06/98
DATE RECEIVED: 10/10/98

PROJECT: 98 PIT REMEDIATION 86837

Reference Fraction: 9810349-04A

Sample ID: GRIGSBY FED #2-V-EXPL-01

Sample Matrix: SOIL

Sample Date Collected: 10/06/98 14:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYSED	BY
TPH	SW846-8015	ND	MG/KG	40.0	10/15/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	10/13/98	JLO
TOLUENE		ND	MG/KG	0.050	10/13/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	10/13/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	10/13/98	JLO
BFB (SURROGATE)		97	125	75		

ND=NONE DETECTED

DL=DETECTION 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 #: 9810349

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY

DATE REPORTED: 10/15/98
DATE COLLECTED: 10/06/98
DATE RECEIVED: 10/10/98

PROJECT: 98 PIT REMEDIATION

Reference Fraction: 9810349-05A

Sample ID: GRIGSBY FED #2-V-EIWA-01 86837

Sample Matrix: SOIL

Sample Date Collected: 10/06/98 14:05:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	40.0	10/15/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	10/13/98	JLO
TOLUENE		ND	MG/KG	0.050	10/13/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	10/13/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	10/13/98	JLO
BFB (SURROGATE)		98	125	75		

ND=NONE DETECTED

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B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

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 #: 9811260

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

DATE REPORTED: 11/18/98
DATE COLLECTED: 11/05/98
DATE RECEIVED: 11/10/98

PROJECT: JICARILLA DISTRICT 98

Reference Fraction: 9811260-02A

Sample ID: GRIGSBY FED#2-V-LF-01

Sample Matrix: SOIL

Sample Date Collected: 11/05/98 16:00:00

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	368	MG/KG	2.0	11/13/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	11/12/98	JLO
TOLUENE		ND	MG/KG	0.050	11/12/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	11/12/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	11/12/98	JLO
BFB (SURROGATE)		102	125	75		

ND=NONE DETECTED

DL=DETECTION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY: 

TERRY KOESTER
LABORATORY DIRECTOR