#### 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 REPO

Dugan Petroleum (Williams Field Services) Operator:

Telephone: (801) 584-6361

Address:

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

WellName:

SHERMAN #2 LINE DRIP

(LDSH#2)

Location:

Unit or Qtr/Qtr Sec E Sec 3 T 29N R 5W County Rio Arriba

PitType

Drip

LandType:

BLM

Pit Location: Pit dimensions: length 14ft., width 13ft., depth 13ft.

(Attach diagram)

Reference: Wellhead

Footage from reference:

35 ft.

Direction from reference: 158 Degrees East of North

Depth To Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of

ground water)

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

(20 points) Yes No (0 points) 0

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

Distance To Surface Water:

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

Wellhead Protection Area:

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

20 Ranking Score (TOTAL POINTS):

Date Remediation Started: 9/17/98

Date Completed: 9/17/98

Remediation Method: Excavation 💆

Approx. Cubic Yard 90

(check all appropriate

sections)

Landfarmed -

Insitu Bioremediation [

Other

Landfarmed soil after mechanical aeration. LF Headspace 40ppm

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. Returned to site 2/15/00 and advanced sampling probe to 15' to collect sample. Results: TPH ND BTEX ND

Ground Water Encountered:

No

Final Pit:

Sample location SHERMAN#2LD-V-EXFL-01

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

> Sample depth 13 feet

Sample date 9/18/98 Sample time 10:15

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) < 0.050

Field Headspace (ppm)

TPH (ppm) 8.71

Ground Water Sample: No

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

DATE 3-7-00 REV. signature  $\mathcal{M}$   $\mathcal{A}$ 

PRINTED NAME Mark Harvey for Williams Field Services AND TITLE

PIT RETIREM	ENT FORM
Date: 9/17/98 LDS#*	#2_ Weather <u>SunA4 ~ 78°</u>
Well Name SHEEMAN #2 LINE DRIF Operator DUGAN	Sec <u>3</u> T <u>29</u> A R <u>5</u> ผ UL
Land Type: (BLM) STATE FEE INDIAN	County Rio ALRIDA
One Call Made (505-765-1234)?	
Line Marking Evident?	
LINE WICH IN LANCOTT	inv tuti
	er corie
Pit Location:	
Reference Wellhead X Other Other	Com/Atssell
Distance from: 35	- A ST
Direction: 158 Degrees XE NX	PC
of	
W	
Starting Pit Dimensions 12 x 13 x 3	
Final Pit Dimensions 13 x 14 x 13	h N
	SITE SKETCH
Olderno reper meaninger	escription: Sury Savo
@ 2'	
@ 4' @ 6'	1, 1/
@ 8'	10 11
@	" W/CLAY
@	
we up a death to Desidence Demostic Water W	Vell, Stock Well ~350 700 50 0774
Well Proximity To: Residence, Domestic Water W Arroyo, Wash, Lake, Stream _	LA TARA ~ 150 YOS HEST
Estimated or Known Distance 1	to Ground Water 15'-25'
	•
Source of Backfill (if other than processed materia	
	soil / wate
Samples collected: Type Progress: Verification	
Progress: Verification Progress: Verification	
Progress. vermeand	<del></del>
Sample sent to Lab Via: Courier Hand Carried	Other Preservative: ICE Other
Comments: _3	RO OF 3 PTS DUG ON THIS LOCATION - SHE ACROSS LA DIM
	SIDE - SOIL HAS SLIGHT TO MODELARE HYDROCARDON COOR
WHICH DIMINISHE	50 ~ 10' - SIDEMALLS HAVE ONLY SLIGHT STAINING -
CUT OUT STAINHAL	C IN NW CORNER BIT GENCRALLY CLEAR - CUT BENCH-
RAME & LEGALE FEAT	CE - SHAED SOIL + LANDFARM - KERM
I X I X I X I X I X I X I X I X I X I X	
Soil Shipped to	ON-SIR. (LF-
(prit skietich-show sample pts.)  Prepared by:	m. Ham

# QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

**REFERENCE #:** 8402596

Sample Matrix: SOIL

SENT WILLIAMS FIELD SERVICE

TO: 295 CHIPETA WAY

SALT LAKE CITY, UTAH 84158

MARK HARVEY

PROJECT: WFS/NM-PITS

Reference Fraction:8402596-03A

Sample ID: SHERM#2 LD-EX-RS-01(LDSH#2

Sample Date Collected: 02/15/0012:08:00

ALLE MINDIGE III

DATE REPORTED: 02/23/00

DATE COLLECTED: 02/15/00

DATE RECEIVED: 02/18/00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D OA1/8021B	ND	MG/KG	3.0	02/22/00	BEM
BTEX BENZENE	OAI/8021B	ND	MG/KG MG/KG	0.050		
TOLUENE ETHYLBENZENE		ND ND	MG/KG	0.050	02/21/00	KKL
TOTAL XYLENES BFB (SURROGATE)		ND 109	MG/KG 125	0.050 75	02/21/00	KKL

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

APPROVED BY: TROBSTERGS

TERRY KOESTER
LABORATORY DIRECTOR

# L

### QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

**REFERENCE #:** 9809684

SENT WILLIAMS FIELD SERVICE-MS4JI

P.O. BOX 58900 TO:

SALT LAKE CITY, UTAH 84108

MARK HARVEY

PROJECT: CRZ DISTRICT 98

Reference Fraction: 9809684-01A

Sample ID: SHERMAN#2LD-V-EXFL-01

Sample Date Collected: 09/18/9810:15:00

09/28/98 DATE REPORTED:

DATE COLLECTED: 09/18/98

DATE RECEIVED: 09/22/98

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL		ANALYZED	BY
TPH	SW846-8015 SW846 8021	8.71	MG/KG		2.0	09/25/98	SKW
BTEX BENZENE	5W040 0U21	ND	MG/KG		0.050	09/23/98	JLC
TOLUENE		ND	MG/KG		0.050		
ETHYLBENZENE		ND	MG/KG		0.050	09/23/98	
TOTAL XYLENES		ND	MG/KG		0.050	09/23/98	JLC
BFB (SURROGATE)		94	125		75		

NONE DETECTED DL=DETECTION LIMIT SU=STANDARD UNITS B=DETECTED IN METHOD BLANK

APPROVED BY:

LABORATORY DIRECTOR

ERRÝ KOESTER

## QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

**REFERENCE #:** 9809684

SENT WILLIAMS FIELD SERVICE-MS4JI

TO: P.O. BOX 58900

SALT LAKE CITY, UTAH 84108

MARK HARVEY

PROJECT: CRZ DISTRICT 98

Reference Fraction: 9809684-02A

Sample ID: SHERMAN#2LD-V-EXWA-01

Sample Date Collected: 09/18/9810:15:00

DATE REPORTED: 09/28/98
DATE COLLECTED: 09/18/98

DATE COLLECTED: 09/18/98
DATE RECEIVED: 09/22/98

Sample Matrix: SOIL

TEST	METHOD	result	UNITS	DL	ANALYZED	BY
TPH BTEX	SW846-8015 SW846 8021	62.9	MG/KG	2.0	,, -	SKW
BENZENE	5,1010 0011	ND	MG/KG	0.05		
TOLUENE		ND	MG/KG	0.05		
ETHYLBENZENE		ND	MG/KG	0.05	09/23/98	JLO
TOTAL XYLENES		ND	MG/KG	0.05	09/23/98	JLO
BFB (SURROGATE)		76	125	7	5	

:NONE DETECTED
DL=DETECTION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER

LABORATORY DIRECTOR

## QUAL LABORATORIES, INC.

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

LABORATORY REPORT:

**REPERIMEE #: 9905122** 

Sample Matrix: SOIL

SENT WILLIAMS PIELD SERVICE

295 CHIPETA WAY TO:

SALT LAKE CITY, UTAH 84158

MARK HARVEY

PROJECT: NM PITS

Reference Fraction: 9905122-02A

Sample ID: SHERM \$2-LD-LF LOSH#2

Sample Date Collected: 04/29/9910:38:00

DATE REPORTED: 05/19/99 DATE COLLECTED: 04/29/99

DATE RECEIVED: 05/05/99

UMITS PQL TATTARD BA PEGULT KETHOD TEST MG/KG 05/10/99 KKL 9.93 SW846-8015 TPH

ND-NONE DETECTED PQL-PRACTICAL QUANTITAION LIMIT SU-STANDARD UNITS B-DETECTED IN METHOD BLANK

APPROVED BY:

YERRY KORSTER

LABORATORY DIRECTOR