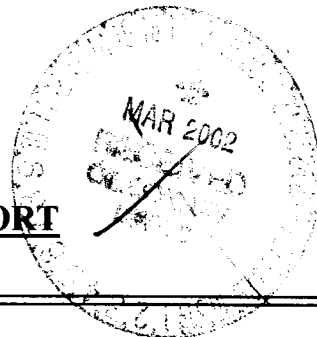


State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

OK



PIT REMEDIATION AND CLOSURE REPORT

Operator: 3 - TEC ENERGY Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: NM FEDERAL N 2E (34865)
Location: Unit or Qtr/Qtr ^{NW/NW} ~~Sec~~ Sec 17 T 30N R 12W County San Juan
PitType Dehydrator
LandType: Fee

Pit Location: Pit dimensions: length 14 ft., width 14 ft., depth 6 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 142 ft.

Direction from reference: 148 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: 11/16/00

Date Completed: 11/16/00

Remediation Method: Excavation ☒

Approx. Cubic Yard 44

(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 (SS) at 6'. The excavated material was mechanically aerated and placed into an onsite landfarm.

Ground Water Encountered: 0

Final Pit:

Closure Sampling:

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

Sample location NM FED N#2E-V-EXFL-01

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 6'

Sample date 11/16/00

Sample time 10:18

Sample Result

Benzene (ppm) 0.05

Total BTEX (ppm) 0.58

Field Headspace (ppm)

TPH (ppm) 942

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 ASSESSMENT FORM

AssessDate: 11-16-00

Meter: 34865

Well Name: NM FEDERAL N2E

Un ^{NW/NE} S 17 T 30N R 12W

County: SAN JUAN

Operator: 3 TEC ENERGY

Pit Type: DGHY Land Type: PRIVATE

Pit Information:

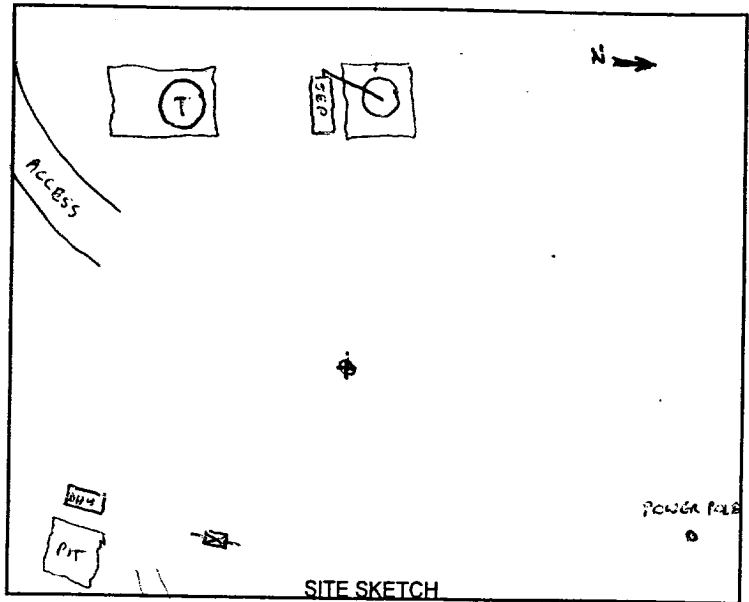
Reference: WELLHEAD

Distance: 142'

Degrees: 148 E of N

Starting Pit Dimensions: 12 X 12 X 2 ft.

Ground Water Encountered? 14 X 14 X 6 ☐



Ranking Information:

Depth To Ground Water: ☐ <50 ft ☐ >50 ft <100 ft ☒ >100 ft

Wellhead Protection Area: <200 ft from private domestic source, or, <1,000 ft from all other sources ☐ Yes ☒ No

Distance To Surface Water: ☐ <200 ft ☐ >200 ft <1,000 ft ☒ >1,000 ft

Sampling Information:

GeneralDescription: PULL FLOWING + SET UP - MIX IN LIMITED FREE LIQUID - MATERIAL
IS DARK GREEN TO BLACK W/ HYDROCARBON STAINING - EXCAVATE SOILS
TO 6' WHERE SANDSTONE ENCOUNTERED - SIDEWALLS ARE BROKEN
SS W/ SLIGHT STAINING - SHRED SOIL + PLACE IN LANDFARM -
CUT RAMP + OGRAM - BEDROCK FLOOR + SIDEWALLS LIMIT FURTHER
PRACTICAL EXCAVATION

SampleLocation: SLT SAND TO SAND - BEDROCK 36'

Sample ID: NMFED N2E-V-EXWA-01 NMFED N2E-V-EXFL-01

SampleTime: _____

SamplerName: M. HARVEY

Sample Headspace (ppm): _____

Prepared By: M. Harvey

Preparation Date: 11-16-00

Ready For Closure? ☐



12/05/00 13:18 FAX 13162327730

QWAL LAB

003

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 001655

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

DATE REPORTED: 12/05/00
DATE COLLECTED: 11/16/00
DATE RECEIVED: 11/28/00

Reference Fraction: 001655-02A

Sample ID: NMFEDN#2E-V-EXFL-01 34865

Sample Matrix: SOIL

Sample Date Collected: 11/16/00 10:18:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH-DRO	SW846-8015D	942	MG/KG	2.0	11/30/00 BEM
BTEX	OA1/8021B			3.0	
BENZENE		ND	MG/KG	0.050	11/29/00 MB
TOLUENE		ND	MG/KG	0.050	11/29/00 MB
ETHYLBENZENE		ND	MG/KG	0.050	11/29/00 MB
TOTAL XYLENES		0.384	MG/KG	0.050	11/29/00 MB
BFB (SURROGATE)		88	125	75	

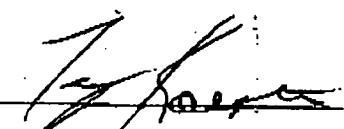
ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR



12/05/00 13:18 FAX 13162327730

QWAL LAB

02

QWAL LABORATORIES, INC.

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

LABORATORY REPORT:

REFERENCE #: 0011655

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

DATE REPORTED: 12/05/00
DATE COLLECTED: 11/16/00
DATE RECEIVED: 11/28/00

PROJECT: TAA PITS

Reference Fraction:0011655-01A

Sample ID: NMFEDN#2E-V-EXWA-01 34865

Sample Matrix: SOIL

Sample Date Collected: 11/16/0010:22:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	4630	MG/KG	200.0	11/30/00	BEM
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	11/29/00	MB
TOLUENE		0.175	MG/KG	0.050	11/29/00	MB
ETHYLBENZENE		0.135	MG/KG	0.050	11/29/00	MB
TOTAL XYLENES		4.28	MG/KG	0.050	11/29/00	MB
BFB (SURROGATE)		118	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 PITS

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

Reference Fraction: 0012155-06A

Sample ID: NM FED N#2E-V-LF-01 34865

Sample Matrix: SOIL

Sample Date Collected: 12/04/00 11:26:00

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED BY
TPH-DRO	SW846-8015D	3681	MG/KG	20.0	12/11/00 BEN
BTEX	OA1/8021B			3.0	
BENZENE		ND	MG/KG	0.050	12/07/00 MB
TOLUENE		3.52	MG/KG	0.050	12/07/00 MB
ETHYLBENZENE		1.04	MG/KG	0.050	12/07/00 MB
TOTAL XYLENES		26.5	MG/KG	0.050	12/07/00 MB
BFB (SURROGATE)		96	125	75	

ND=NONE DETECTED

PQL=PRACTICAL QUANTITATION LIMIT

SU=STANDARD UNITS

B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

