

**District I**

P.O. Box 1980, Hobbs, NM

**District II**

P.O. Drawer DD, Aztec, NM 88211

**District III**

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

*Granny G. Farrant*  
*Approved*  
*2/19/97*

**PIT REMEDIATION AND CLOSURE REPORT**Operator: Snyder Oil Corporation Telephone: 505 -632-8056Address: Post Office Box 2038, Farmington, NM 87499-2038Facility Or: Starr 1M

Well Name

Location: Unit or Qtr/Qtr Sec C Sec 13 T 31N R 13W County San JuanPit Type: Separator X Dehydrator      Other     Land Type: BLM X, State     , Fee     , Other     Pit Location: Pit dimensions: length 10', width 10', depth 3'  
(Attach diagram)Reference: wellhead X, other     Footage from reference: 105'

Direction from reference: N Degrees      East North       
of  
80° West South     

**Depth To Ground Water:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

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

**Wellhead Protection Area:**

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

Yes (20 points)  
No (0 points) 0

**Distance To Surface Water:**

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

Less than 200 feet (20 points)  
200 feet to 1000 feet (10 points)  
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

RECEIVED  
OCT 29 1993  
OIL CON. DIV.  
DET 3

Date Remediation Started: unknown

Dated Completed: 9/13/94

Remediation Method: Excavation X  
(Check all appropriate sections)

Approx. cubic yards 70

Landfarmed X

Insitu Bioremediation     

Other                     

Remediation Location: Onsite X Offsite       
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Remediation was began by Cimarron Oil Field Services. The pit was excavated to a depth of about 6 ft. and the contaminated soil was land farmed on location. The land farm was tilled and sampled periodically. Land farm cleared on 6/10/94 with a field headspace reading of 0 ppm and a TPH of 576 ppm. See attached lab data.

A steel tank was placed in the excavation and only the corners of the earth pit were sampled.

Ground Water Encountered: No X Yes      Depth             

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

Sample location S-E bottom corner of pit

Sample depth 7 ft below ground level, sandstone encounter

Sample date 9/13/94

Sample time 11:08 am

Sample Results

Benzene(ppm) n/a

Total BTEX(ppm) n/a

Field headspace(ppm) 213 ppm

TPH 381 ppm

Ground Water Sample:

Yes      No X (If yes, attach sample results)

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

DATE Oct. 22, 1996

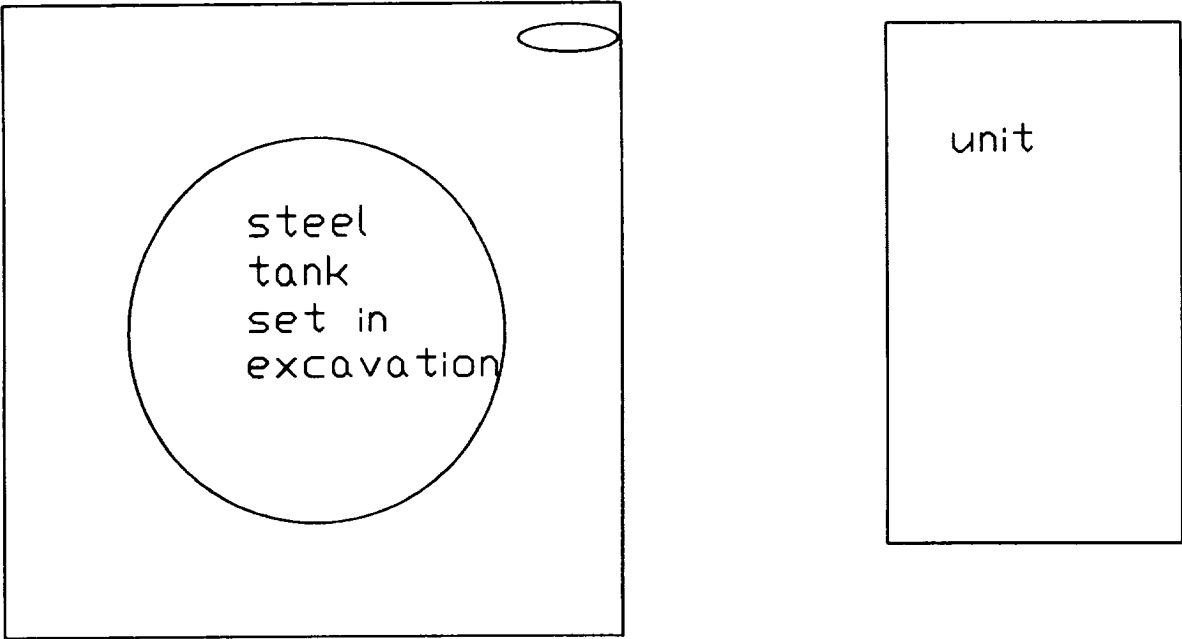
SIGNATURE Shawn Adams

PRINTED NAME Shawn Adams, Env. Consultant  
AND TITLE Contract Environmental Services, Inc.

Pit Excavation Soil Log	
Wellname	Starr 1M
Depth (ft)	Description
0	Silty sand and clay
1	"
2	"
3	"
4	"
5	"



Pit bottom sample







JOB NUMBER: 941465

CUSTOMER: BUCHANAN CONSULTANTS, LTD.

ATTN: SHAWN A. ADAMS

CLIENT I.D.....: FIELD INVEST. AND REMED.

LABORATORY I.D...: 941465-0001

DATE SAMPLED.....: 06/10/94

DATE RECEIVED.....: 06/15/94

TIME SAMPLED.....: 13:24

TIME RECEIVED.....: 12:00

WORK DESCRIPTION...: STARR-001

REMARKS.....:

10703 East Bethany Drive  
Aurora, CO 80014  
(303) 751-1780





## Core Laboratories

LABORATORY TESTS RESULTS  
09/22/94

JOB NUMBER: 942294

CUSTOMER: SNYDER OIL CORPORATION

ATTN: CHESTER DEAL

CLIENT I.D.: SOIL &amp; GROUNDWATER REMEDIATION

LABORATORY I.D.: 942294-0003

DATE SAMPLED: 09/13/94

DATE RECEIVED: 09/15/94

TIME SAMPLED: 11:37

TIME RECEIVED: 09:45

WORK DESCRIPTION: STARR-002

REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Total Petroleum Hydrocarbon	381	10	mg/Kg	418.1 (1)	09/21/94	WKL

10703 East Bethany Drive  
Aurora, CO 80014  
(303) 751-1780

