

Previously submitted
by whole Earth - denied by Olson

OK

District I
P.O. Box 1980, Hobbes, NM

State of New Mexico
Energy, Minerals and Natural Resource Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
(Revised 3/9/94)

District II
O. Drawer DD, Artes, NM 88211

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

RECEIVED
JAN 17 2000
OIL CON. DIV.

District III
1000 Rio Brazos Rd, Aztec, NM 87410

PIT REMEDIATION AND CLOSURE REPORT. 3

30-045-~~2562~~24870

Operator: <u>AMOCO PRODUCTION COMPANY</u>		Telephone: <u>(505) 326-9216</u>	
Address: <u>200 AMOCO COURT, FARMINGTON, NM 87401</u>			
Facility Or: <u>GALLEGOS CANYON UNIT #163E</u>			
Well Name			
Location: Unit or Qtr/Qtr Sec <u>SW/4SW</u> <u>M</u> Sec <u>26</u> T <u>29</u> R <u>13</u> County <u>SAN JUAN</u>			
Pit Type: Separator _____ Dehydrator _____ Other <u>BLOW DOWN</u>			
Land Type: BLM <u>XX</u> State _____ Fee _____ Other _____			
Pit Location: Pit dimensions: Length <u>50</u> width <u>50</u> depth <u>4</u> (Attach diagram)			
Reference: wellhead <u>XX</u> Other _____			
Footage from reference: <u>168'</u>			
Direction from reference: <u>220°</u> Degrees _____ East North _____ of _____ <u>South</u> 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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS): <u>0</u>			

Date Remediation Started: 04/27/94 Date Completed: 04/28/94
Remediation Method: Excavation XX Approx. cubic yards 370

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____
CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION.

Ground Water Encountered: No _____ Yes _____ Depth _____

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

Sample location _____

Sample depth _____

Sample date _____ Sample time _____

Sample Results

Benzene (ppm) See Attached

Total BTEX (ppm) _____

Field headspace (ppm) 4

TPH 05/12/94 11:00:00

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

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

DATE 7/25/94

SIGNATURE BJS Shaw

PRINTED NAME
AND TITLE

WEE

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 81034

C.O.C. NO: 2114

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: GCU WELL #: 163E PITS: BLOW
QUAD/UNIT: M SEC: 26 TWP: 29N RNG: 13W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: 3W/4 5W/4 CONTRACTOR: WHOLE EARTH ENVIRONMENTAL

DATE STARTED: 11/7/96
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: DILUTION + AERATION

APPROX. CUBIC YARDAGE: 370

LAND USE: RANGE

LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 21000'

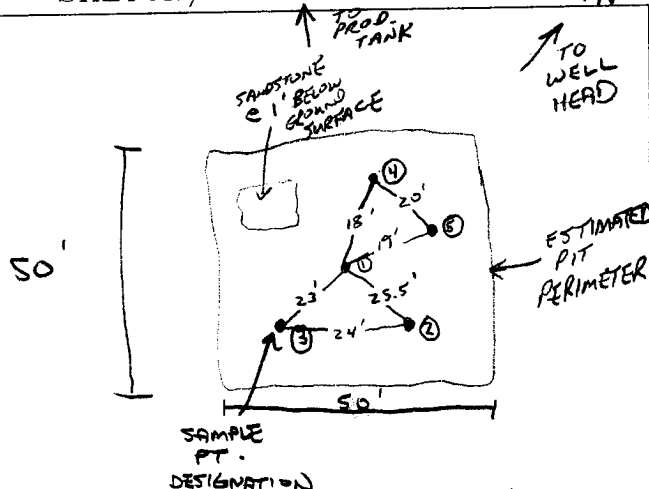
NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

UPPER 2' MOSTLY DK. YELL. ORANGE SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM
NO APPARENT HC ODOR, @ 3' MOSTLY DK. GRAY SAND HC ODOR IN SAMPLE
PTS. ① & ⑤, SANDSTONE ENCOUNTERED @ 1' BELOW GROUND SURFACE IN
NW AREA OF PIT PERIMETER & APPARENTLY @ 4' IN SAMPLE PT. ①.
SAMPLES COLLECTED W/ HAND AUGER, 5 PT. COMPOSITE COLLECTED FOR
TPH (8015) LAB ANALYSIS.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



SAMPLE PT. ① LOCATED ~ 186' SLOW
FROM WELL HEAD

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
HA-1 @ 3'	37.2
HA-2 @ 3'	0.0
HA-3 @ 2 1/2'	0.0
HA-4 @ 2'	3.0
HA-5 @ 3'	55.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	TPH (8015)	0930	3,810

SCALE

0 1 FT

TRAVEL NOTES: CALLOUT: NA

ONSITE: 11/7/96

TOTAL VOLATILE PETROLEUM HYDROCARBONS**Gasoline Range Organics****Blagg Engineering, Inc.**

Project ID: GCU 163E - Blow Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 11/15/96
Date Sampled: 11/07/96
Date Received: 11/07/96
Date Extracted: 11/13/96
Date Analyzed: 11/13/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
DA - 1	5586	ND	21.1

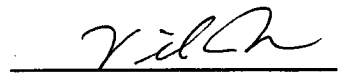
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	92%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments: 5-Point Composite


Analyst


Review

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS**Diesel Range Organics****Blagg Engineering, Inc.**

Project ID: GCU 163E - Blow Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 11/15/96
Date Sampled: 11/07/96
Date Received: 11/07/96
Date Extracted: 11/14/96
Date Analyzed: 11/14/96

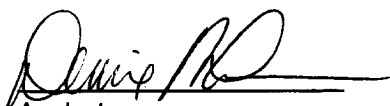
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
DA - 1	5586	3,810	18.8


ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	110%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments: 5 - Point Composite


Analyst


Review

PIT LOCATION DIAGRAM

Operator: AMOCO PRODUCTION CO.

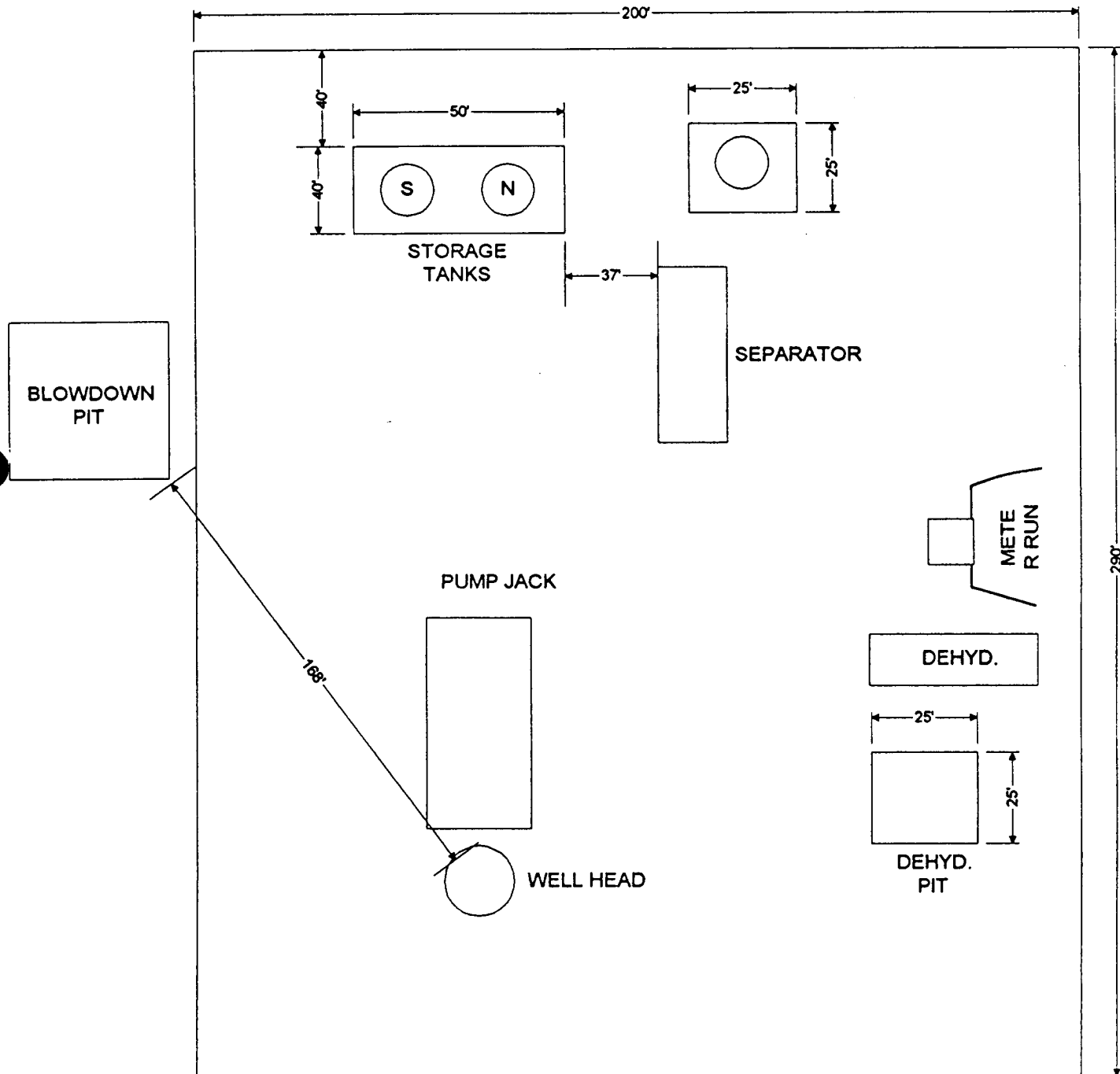
Telephone: (505) 326-9219

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: GCU-163E

Well Name

Location: Unit or Qtr/Qc Sec _____ T _____ R _____ County _____



FINAL PIT CLOSURE SAMPLING REPORT

Operator: AMOCO PRODUCTION COMPANY

Telephone: (505) 326-9216

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: GALLEGOS CANYON UNIT #163E

Well Name

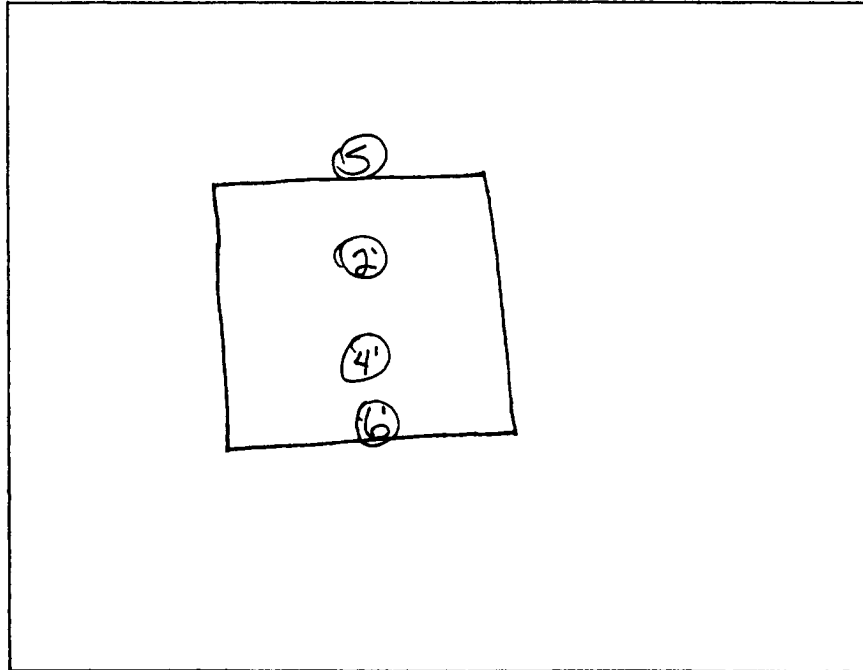
Location: Unit or Qtr: Qtr Sec SW/SW Sec 26 T 29 R 13 County SAN JUAN

Depth

TPH

Surface	754 ppm
2 ft.	6210 ppm
4 ft.	6530 ppm
6 ft.	ppm
8 ft.	ppm
10 ft.	ppm
12 ft.	ppm
14 ft.	ppm
16 ft.	ppm
18 ft.	ppm
20 ft.	ppm
ft.	ppm
ft.	ppm
ft.	ppm

SIDE VIEW



TOP VIEW

North Side	1820 ppm
East Side	3040 ppm
South Side	2960 ppm
West Side	886 ppm

