RISK - non vulnerable

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

District II
P.O. Drawer DD, Arteus, NM 88211

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resource 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
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Denied 7/16/96 due to BTEX

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9219

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: STANOLIND A #2
Well Name

Location: Unit or Qtr/Qtr Sec SW/SE Sec 29 T 31 R 12 County SAN JUAN

Pit Type: Separator XX Dehydrator _____ Other _____

Land Type: BLM XX State _____ Fee _____ Other _____

Pit Location: (Attach diagram) Pit dimensions: Length 17 width 23 depth 15

Reference: wellhead _____ Other See Attached

Footage from reference: _____

Direction from reference: _____ Degrees _____ East North _____
of
_____ 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

Date Remediation Started: 06/25/94 Date Completed: 06/25/94

Remediation Method: Excavation XX Approx. cubic yards 217

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____

CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION. RISK ASSESSED. 9/V

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 See Attached

Sample depth 15

Sample date 06/25/94 Sample time 10:00:00

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 1,922 @ 15' 11/4/97 9/V

TPH 424

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

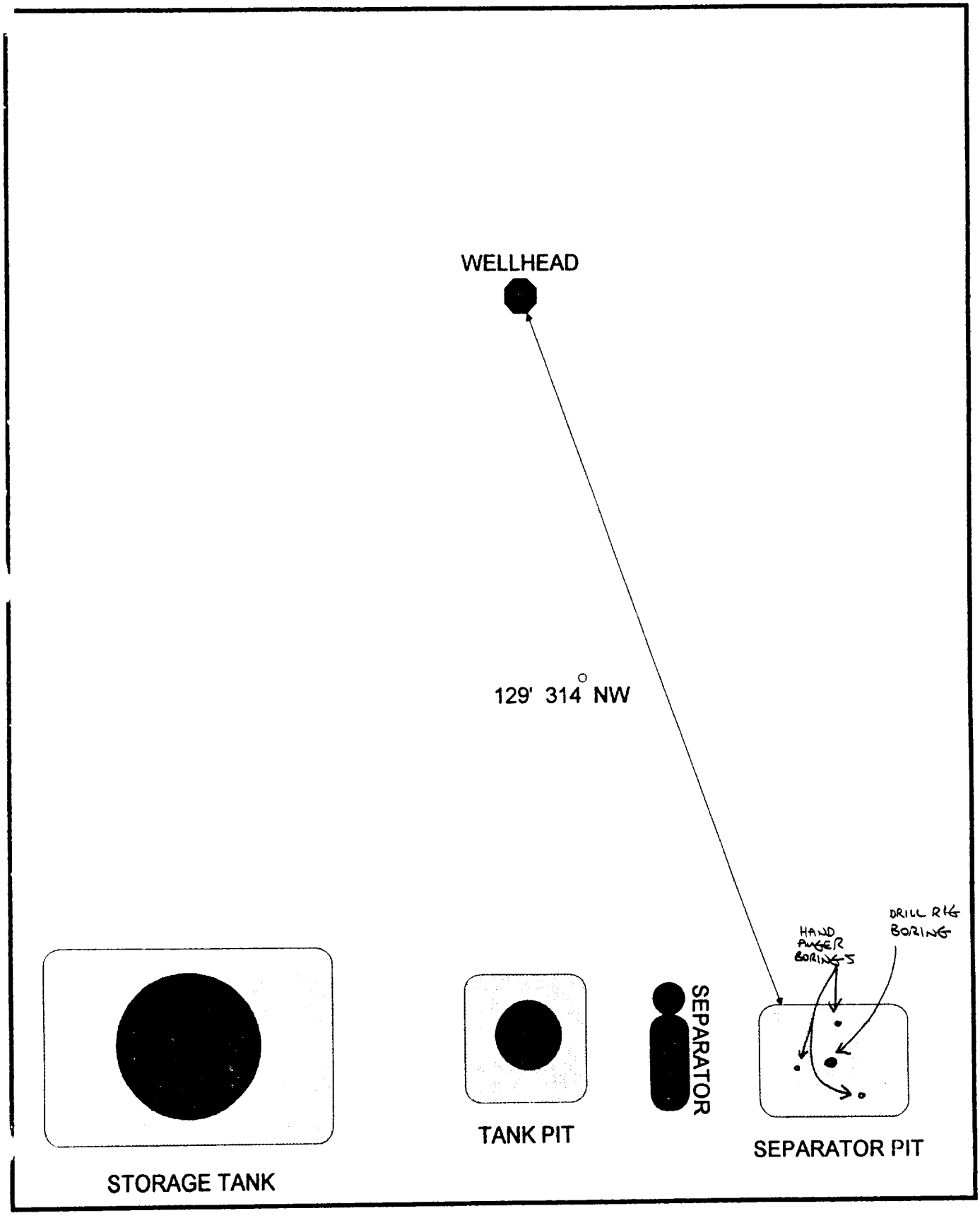
DATE 2/24/95 5/25/98 9/V

SIGNATURE S Shaw

PRINTED NAME AND TITLE Environmental Coordinator

AMOCO PRODUCTION COMPANY

STANOLIND A#2



FINAL PIT CLOSURE SAMPLING REPORT

OPERATOR : AMOCO PRODUCTION COMPANY

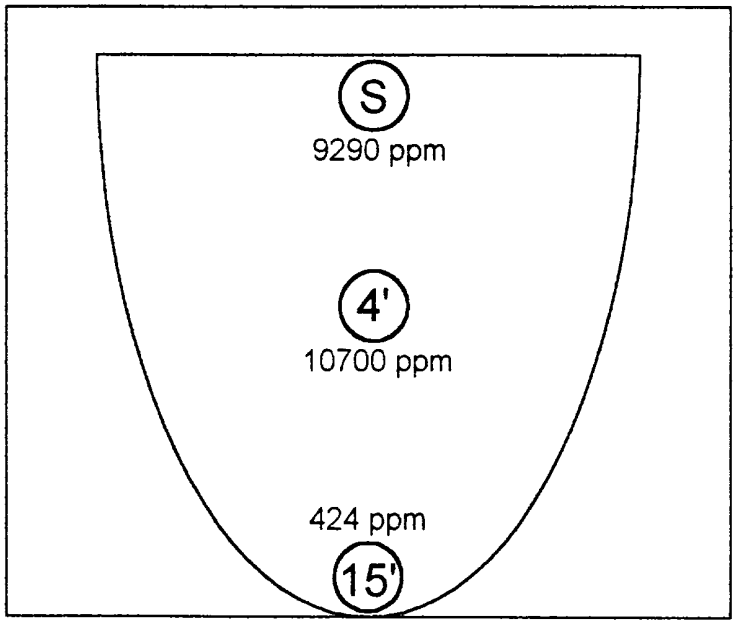
ADDRESS : 200 AMOCO COURT FARMINGTON, NM

WELL NAME OR FACILITY : STANOLIND A #2

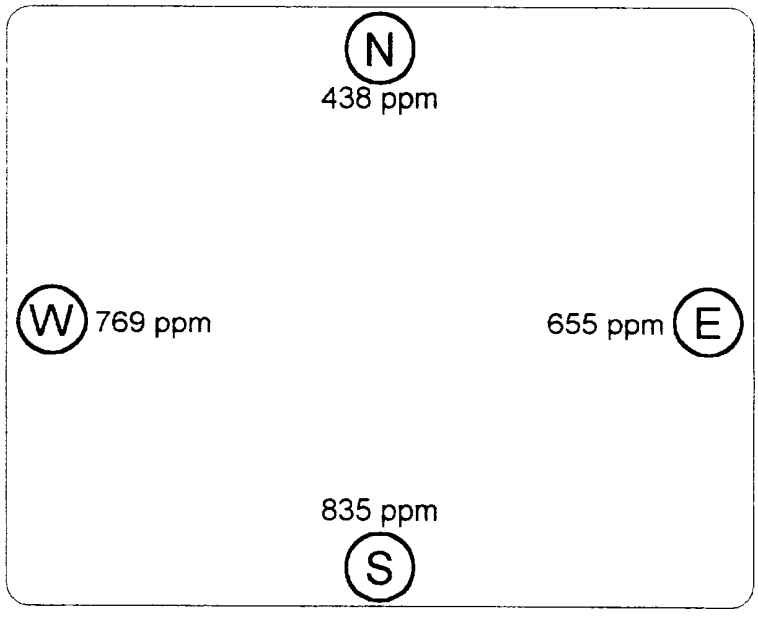
PIT TYPE : SEPARATOR LEGALS : SW/SE SEC.29 T31N R12W

DEPTH	TPH/PPM
SURFACE	9290
4'	10700
8'	5040
15'	424
	0.m
15'	1,922

SIDE VIEW



TOP VIEW



WALL	DEPTH	TPH/PPM
NORTH	10'	438
WEST	10'	769
SOUTH	10'	835
EAST	10'	655

Well Name:	**Stanolind A #2**
Well Site location:	Unit O. Sec. 29. T31N. R12W
Pit Type:	Separator Pit
Producing Formation:	Basin Dakota
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when loader reached practical extent for abandoned pit at 15 ft. below grade and for safety concerns (underground piping and surface equipment).

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).

2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.

3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.

4. Well site located within the **non-vulnerable area** and is approximately 0.12 miles southeast of the nearest vulnerable area boundary (Farmington Glade).

(Refer to Flora Vista Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1979, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface vertical impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

CLIENT: AMOCO

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

LOCATION NO: WEE
COC NO: 5427

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: STANOLIND WELL #: A 2 PITS: SEP.
QUAD/UNIT: O SEC: 29 TWP: 31N RNG: 12W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SW/4 SE/4 CONTRACTOR: WHOLE EARTH

DATE STARTED: 11/4/97
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NU/JCB

SOIL REMEDIATION:

REMEDIATION SYSTEM: DILUTION & AERATION
APPROX. CUBIC YARDAGE: 217
LAND USE: RANGE
LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

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

BORING CONDUCTED @ PIT CENTER ACCORDING TO PIT CLOSURE RECORD, REACHED 15' DEPTH FROM GRADE, DK. GRAY TO BLACK DISCOLORATION W/ STRONG HC ODOR ENCOUNTERED @ 5' DOWN TO 15' BELOW GRADE, COLLECTED 3 SAMPLE PTS. FROM BORING @ 5', 10' & 15' BELOW GRADE, COLLECTED 2 SAMPLE PTS. USING HAND AUGER IN PIT AREA (NO DISCOLORATION OR HC ODOR, DEPTHS RANGING FROM 2' TO 3' BELOW GRADE), COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS OF ASSUMED DILUTED & AERATED SOIL PLACED BACK IN EXCAVATED PIT AREA.

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

SEE SITE MAP

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
DA-1	362
⑤ @ 15'	1,922

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	TPH (SOIS)	1500	120

SCALE
0 FT

TRAVEL NOTES: CALLOUT: NA ONSITE: 11/4/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-06-97
Laboratory Number:	C414	Date Sampled:	11-04-97
Chain of Custody No:	5427	Date Received:	11-05-97
Sample Matrix:	Soil	Date Extracted:	11-05-97
Preservative:	Cool	Date Analyzed:	11-05-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**28.7**	**0.2**
Diesel Range (C10 - C28)	**91.3**	**0.1**
Total Petroleum Hydrocarbons	**120**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Stanolind A #2 Separator Pit 5 Pt. Composite.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

Client/Project Name: BLAGG / AMOCO

Project Location: STANOLIND A #2

Sampler: (Signature) Nelson Velez

Chain of Custody Tape No.: 04034-10

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)					Remarks
OA - 1	11/4/97	1500	C414	SOIL	1	✓					SEPARATOR PIT
											PRESERV. - COOL
											5 PT. COMPOSITE

Sample received cool & intact

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	11/5/97	0708	[signature] L. [illegible]	11-5-97	0708
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Ref COC 5424, 5425, 5426, 5427

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615