District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District [II]
1000 Rio Brazos Road, Aztec, NM 87410
District [V]
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 June 1, 2004 For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe

office

	Pit or Below-Grade Tank Registration or Closure	
	Is pit or below-grade tank covered by a "general plan"? Yes 🔀 No 🗌	
Туре	of action: Registration of a pit or below-grade tank 🔲 Closure of a pit or below-grade tank 🔀	

	Closure of a pit of octow-gra			
Operator: BP America Production Company Telephon	e: <u>(505)326-9200</u> e-mail address:			
Address: 200 Energy Ct. Farmington, NM 87401				
Facility or well name: Ludwick LS#20 API#: 3	3 <i>0</i> 045 <i>1311</i> 3 U/L or Qtr/Qtr K	Sec <u>29</u> T <u>30N</u> R <u>10 W</u>		
County: San Juan Latitude	Longitude	NAD: 1927 🗆 1983 🗆		
Surface Owner: Federal 🔲 State 🗀 Private 🗀 Indian 🗀				
Pit	Below-grade tank			
Type: Drilling Production Disposal	Volume:bbi Type of fluid:			
Workover	Construction material:	-		
Lined Unlined U	Double-walled, with leak detection? Yes If no	t, explain why not.		
Liner type: Synthetic Thicknessmil Clay				
Pit Volumebbl				
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)		
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)		
1	100 feet or more	(0 points)		
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)		
water source, or less than 1000 feet from all other water sources.)	No	(0 points)		
	Less than 200 feet	(20 points)		
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)		
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points)		
	Ranking Score (Total Points)			
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite offsite If offsite, name of facility (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No remediation start date and end date. (4) Groundwater encountered: No remediation start date and a diagram of sample locations and excavations. Additional Comments: See Attached Documentation See Attached Documentation				
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline. Date:	ture	ative OCD-approved plan		
Approval: Printed Name/Title	Signature Deny 7	and Date:		

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Arlesia, NM 88211
District III
) Rio Brazos Rd, Azzec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone: (505) - 326-9200	
Address:	200 Amoco Court, Farmington	, New Mexico 87401	
Facility Or: Well Name	rnomick rs # 3	_0	
1		ec 29 T300 R 10W County SAN JUAN	
Pit Type: Sepa	∞µED rator Dehydrator O	ther	
Land Type: BL	M_√, State, Fee	, Other	
Pit Location: (Attach diagram)		15', width 13', depth 11'	
I	 -	, other	
	Footage from reference:	29'	
•	Direction from reference	e: 63 Degrees 🗸 East North	
		of West South	
Depth To Ground Water: (Vertical distance from 50 feet (20 points) contaminants to seasonal Greater than 100 feet (0 Points) high water elevation of ground water)			
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) Do No (0 points)	
	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	
		RANKING SCORE (TOTAL POINTS):	

Date Remediation St	arted:	Date Completed:	7/21/00
Remediation Method:	Excavation /		
(Check all appropriate sections)	Landfarmed	Insitu Bioremediation	
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite ✓ Of	fsite	•
General Description	Of Remedial Actio	on:	
Excavation	on		
4			
Ground Water Encoun	tered: No 🗸	Yes Depth	
<u> </u>			
Final Pit: Closure Sampling: (if multiple samples,	Sample location _	see Attached Documents	·
attach sample results and diagram of sample	Sample depth	7' (SOUTH SIDEWALL)	
locations and depths)	Sample date7/	Sample time	//45
	Sample Results		
	Benzene(ppm)	0.0725	
,	Total BTEX(p	opm) <u>6.580</u>	
	Field heads	pace(ppm) <u>4,578</u>	
	TPH 99.9 pp	em_	
	·		
Ground Water Sample	: Yes No	√ (If yes, attach sample)	results)
I HEREBY CERTIFY TH		N ABOVE IS TRUE AND COMPLET	TE TO THE BEST
DATE 7/21/00	Λ	RIINC	1
SIGNATURE BASI	PRINTEI AND TI	DINAME BUDGE DE	haw Poordinator

CLIENT: AMOCO BLAGG ENGINEE P.O. BOX 87, BLOOMF (505) 632-	IELD, NM 87413
FIELD REPORT: CLOSURE VELOCATION: NAME: LLODOLCK LS WELL #: 20 QUAD/UNIT: K SEC: 29 TWP: 300 RNG: 1000 PM:	PIT: ABAN. SEP. DATE STARTED: 7/19/00 DATE FINISHED:
EXCAVATION APPROXIS FT. x _I3 FT. x _II	EMEDIATION METHOD: LANDERCH OTRAG FORMATION: DK MATELY 29 FT. 5638 FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1 NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 500 SOIL AND EXCAVATION E.Z., 6074' OVM CALIB DESCRIPTION: TIME: 0.730 SOIL LOLD VARYING FROM DK. YELL. ORDNOWN SON COMESSIVE, SLIGHTLY MOIST, FIRM, STE	PPM PIT ABANDONED READ. \$3.5 ppm STEEL TANK INSTALLED PIBERGLASS TANK INSTALLED
NON COHESINE, SLIGHTLY MOIST, FIRM, STE	rong he odor detected throughout
SCALE O FT PIT PERIMETER \$\int_{\infty}\$	MEIGHT (g) ml. FREON DILUTION READING CALC. ppm PIT PROFILE
DECL 16 7 77 2 2 7 30 3 2 7 4 2 6 2 15 4 2 6 2	ADSPACE (ppm) A
TRAVEL NOTES: CALLOUT: 7/17/00 - morn ON	TIME >22 1145



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

		•	
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	3 @ 7'	Date Reported:	07-21-00
Laboratory Number:	H793	Date Sampled:	07-19-00
Chain of Custody No:	6591	Date Received:	07-20-00
Sample Matrix:	Soil	Date Extracted:	07-21-00
Preservative:	Cool	Date Analyzed:	07-21-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	80.9	0.2
Diesel Range (C10 - C28)	19.0	0.1
Total Petroleum Hydrocarbons	99.9	0.1

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Ludwick LS #20 Abandoned Separator Pit.

Allen L. Chieur

Pristing Walters



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

	•		
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	3 @ 7'	Date Reported:	07-21-00
Laboratory Number:	H793	Date Sampled:	07-19-00
Chain of Custody:	6591	Date Received:	07-20-00
Sample Matrix:	Soil	Date Analyzed:	07-21-00
Preservative:	Cool	Date Extracted:	07-21-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	72.5	1.8	
Toluene	1,460	1.7	
Ethylbenzene	568	1.5	
p,m-Xylene	2,260	2.2	
o-Xylene	2,220	1.0	
Total BTEX	6,580		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Ludwick LS #20 Abandoned Separator Pit.

Aleun L. Ofenen

Review Review

P.O. BOX 87, BLO	NEERING, INC. OMFIELD, NM 87413 632-1199 C.D.C. NB: 9705					
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION						
QUAD/UNIT: K SEC: 29 TWP: 300 RNG: 100	DATE SINISHED					
OTR/FOOTAGE: MELTO CONTRACTOR:	ENVIRONMENTAL					
SOIL REMEDIATION: REMEDIATION SYSTEM: LANDERME LAND USE: KANGE - BLM	APPROX. CUBIC YARDAGE: 60 LIFT DEPTH (ft): 6.5					
FIELD NOTES & REMARKS: NMOCD RANKING SCOR DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE	NMOCD TPH CLOSURE STD: _5000 pom					
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / DTHER SOIL COLOR:						
	B.1 CALCULATIONS (g) mL. FREON DILUTION READING CALC. ppm					
SKETCH/SAMPLE LOCATIONS AN	DVM CALIB. READ. 51. Z. ppm					
SAMPLE PT. DESKENATION	OVM CALIB. READ. 37.2 ppm OVM CALIB. GAS = 100 ppm; RF = 0.52 TIME: 12:30 am (pm) DATE: /2/20/0/					
	OVM RESULTS LAB SAMPLES					
LANDEARM	SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS LF - 1 0.0 LF - 1 (2)150 1/00 ND					
PERIMETER ->	LF-1 0.0 LF-1 100 ND					
PERIMETER ->	LF-1 0.0 LF-1 (8015B) 1100 ND					
2 PSE4 CO	C, T (Spisk) //CC AD					
	C, T (Spisk) //OC AD					
100, N386 FROM WELL 3						
FROM WELL HEAD	P.C. 7/19/00 SCALE O FT					



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	12-27-01
Laboratory Number:	21742	Date Sampled:	12-26-01
Chain of Custody No:	9705	Date Received:	12-26-01
Sample Matrix:	Soil	Date Extracted:	12-27-01
Preservative:	Cool	Date Analyzed:	12-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Ludwick LS #20 Landfarm 5 Pt. Composite.