District I 1625 N; French Dr., Hobbs, NM 88240 District III
1301 W Frand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV 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

June 1, 2004

Form C-144

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

t ype of action. Registration of a pir o	t below-grade tank [ Closure of a pit of below-gra	uc talik 🔼
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: LUCWICK A# 18 API#: 3	3004526467 U/L or Qtr/Qtr D	Sec 19 T30N R10W
County: San Juan Latitude	<u> </u>	
Surface Owner: Federal State Private Indian	5011511400	1.10. 1721 (1703)
<u>Pit</u>	Below-grade tank	
Type: Drilling Production Disposal	Volume:bbl Type of fluid:	
Workover	Construction material:	
Lined Unlined	Double-walled, with leak detection? Yes If not	t, explain why not.
Liner type: Synthetic Thicknessmil Clay		
Pit Volumebbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	(10 points)
high water elevation of ground-water.)	100 feet or more	( 0 points)
		(2)
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)
	The state of the s	( 0 pouls)
	Ranking Score (Total Points)	
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's		
your are burying in place) onsite 🗌 offsite 🗍 If offsite, name of facility	. (3) Attach a general c	lescription of remedial action taken including
remediation start date and end date. (4) Groundwater encountered: No \(\sigma\) Y	es a lityas, show depth below ground surface	ft, and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excavat		
Additional Comments:	110 2008 3	
See Attached Documentation	HE LIVED 2	
	OIL CONS. DW.	
	OIL COISO. S.	
	Miss. 3	
·	5 7 5 3 4 3	
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	of my knowledge and belief. I further certify that t	he above-described pit or below-grade tank
as been will be constructed of closed according to the CD guidenic	s par, a general permit in, or all (attached) afterna	tuve OCD-approved pian
Date: 11/01/2005	1.	
Printed Name/Title Jeffrey C. Blagg, Agent Signat	ure lefty C. Oligy	
Your certification and NMOCD approval of this application/closure does r		of the nit or tank contaminate ground water or
otherwise endanger public health or the environment. Nor does it relieve t regulations.	he operator of its responsibility for compliance with a	any other federal, state, or local laws and/or
		ALON TO 2008
Approval: CL.S GAS INSTECTOR, DET.	l'emt	NOV 1 8 2005
Printed Name/Title	Signature	Date:

District II

O. Box 1980, Hobbs, NM

ISTRICT II

O. Drawer DD, Ariesia, NM 88211

ICT III

XX ... Brizzes Rd, Azzes, 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

		(505) 206 2000
Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmington,	New Mexico 87401
Facility Or: Well Name	LUDWICK A #1E	
		c 19 T 30N R 10W County SAN JUAN
Land Type: BL	M_√, State, Fee	, Other
p't Location: ( :ach diagram)		
٧.	Footage from reference:	)20'
	Direction from reference	e: // Degrees / East North / of West South
Depth To Groun (Vertical distance contaminants to s high water elevat ground water)	e from easonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
domestic water so	ection Area: eet from a private purce, or; less than il other water sources)	Yes (20 points) 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: 7/5/00
amediation Method:	Excavation	Approx. cubic yards
<pre>ieck all appropriate ections)</pre>	Landfarmed /	Insitu Bioremediation
	Other	
emediation Location	n: Onsite 🗸 Of	fsite
ie. landfarmed onsite, ame and location of		•
ffsite facility)	*,*	
eneral Description	Of Remedial Actio	n:
Excavatio	on BEDROCK BOTTON	ν
		· · · · · · · · · · · · · · · · · · ·
· ·		
Final Pit: Closure Sampling:	Sample location _	see Attached Documents
/if multiple samples.		
attach sample results	Sample depth	Z' (NORTH SOEWAL)
attach sample results and diagram of sample	Sample depth	z' (NORTH SOEWAL)  /00 Sample time 0915
attach sample results and diagram of sample		
attach sample results and diagram of sample	Sample date 7/2	/oo sample time 0915
attach sample results and diagram of sample	Sample date	/oo Sample time 0915
attach sample results and diagram of sample	Sample date 7/2 Sample Results Benzene(ppm) Total BTEX(p	NO
attach sample results and diagram of sample	Sample date	NO
attach sample results and diagram of sample locations and depths)	Sample date	NO
attach sample results and diagram of sample locations and depths)	Sample date	NO
	Sample date	NO
attach sample results and diagram of sample locations and depths)  Ground Water Sample  I HEREBY CERTIFY To	Sample date	Sample time 09/5  ND  Opm) 0.475  Dace(ppm) 232



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

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	1 @ 2'	Date Reported:	07-05-00
Laboratory Number:	H644	Date Sampled:	07-02-00
Chain of Custody No:	6590	Date Received:	07-03-00
Sample Matrix:	Soil	Date Extracted:	07-03-00
Preservative:	Cool	Date Analyzed:	07-05-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.2	0.2
Diesel Range (C10 - C28)	1.6	0.1
Total Petroleum Hydrocarbons	3.8	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 A #1E Abandoned Dehydrator Pit.

Alexan L. Copera

Phristini My Walters



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	1 @ 2'	Date Reported:	07-05-00
Laboratory Number:	H644	Date Sampled:	07-02-00
Chain of Custody:	6590	Date Received:	07-03-00
Sample Matrix:	Soil	Date Analyzed:	07-05-00
Preservative:	Cool	Date Extracted:	07-03-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND ND	1.8
Toluene	39.1	1.7
Ethylbenżene	12.8	1.5
p,m-Xylène	332	2.2
o-Xylene	91.0	1.0
Total BTEX	475	

ND - Parameter not detected at the stated detection limit.

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

References:

 ${\sf Method\ 5030B,\ Purge-and-Trap,\ Test\ Methods\ for\ Evaluating\ Solid\ Waste,\ SW-846,\ USEPA,}$ 

December 1996.

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

USEPA, December 1996.

Comments:

Ludwick A #1E

**Abandoned Dehydrator Pit.** 

Alexan L. Oppera

Review Masters

CLIEÑT BP	BLAGG 1 P.O. BOX 87,	BLOOM		NM 8				80760 9705
FIELD REPORT:	LANDFARM/	COMPO	ST PIL	E CLO	SURE	VERII	FICAT	ΓΙΟΝ
LOCATION: NAME: 4000121			-		T: Nm	DATE STAR		
OTR/FOOTAGE:						ENVIRONME SPECIALIST	NTAL	nV_
SOIL REMEDIATION:  REMEDIATION SYS  LAND USE:			API LIF	PROX. CI				·o
FIELD NOTES & REMAI								
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER  SOIL COLOR: PALE TO MOD. YELL. BROWN  COMESION (ALL OTHERS): (NON COMESIVE) / SLIGHTLY COMESIVE / COMESIVE / HIGHLY COMESIVE  CONSISTENCY (NON COMESIVE SOILS): (LOOSE) / FIRM / DENSE / VERY DENSE  PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COMESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  DENSITY (COMESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE (DRY) / SLIGHTLY MOIST / WET / SATURATED / SUPER SATURATED  DISCOLORATION/STAINING (DESERVED: YES / NO) EXPLANATION -  HC ODOR DETECTED: YES / NO) EXPLANATION -  SAMPLING DEPTHS (LANDFARMS): 4-6 (INCHES)  SAMPLE TYPE: GRAB / COMPOSITO - # OF PTS. 5  ADDITIONAL COMMENTS:								
EAUD TIME C	FI AMPLE I.D. LAB No:	T	CALCULATION CREA	<del></del>	I DEADING	CICALC		
5AWI . 11WL 5A	TWI EE 1.0. DAB 140.	WEIGHT (9	) IIIC. TICC	N DICOTION	1 INCADITA	O CALC. P	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SKETCH/SAMPL	LE LOCATIONS	40	DVM C	ALIB. READ. ALIB. GAS 2:30 am/	= 100 ppr	n; RF = 0. 12/20/c	> /	70
LA POFARM PERIMETER ——>	8		SAMPLE FIE	SULIS  ELD HEADSPACE	SAMPLE	LAB SA	TIME	RESULTS
	9		LF -1	0.0	1D 4F-1	TPH (8015B)	1200	00
104' N76E TO WELL	$\longrightarrow \cdot$	88'						
	3							
HEAD				الـــــــــــــا ع	?.	120/00		
	APLE PT.		SCALE 0	FT	,	, 23, 33		
TRAVEL NOTES: CALLOUT revised: 07/16/01	Γ: <i>~/A</i>		ONSITE: _	12/2	6/01			ei1006A.skc



#### **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:	21743	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 A #1E Landfarm 5 Pt. Composite.