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District II

District III 1000 Rio Brazo Rd., Aztec, NM

revised: 09/11/02

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87504-2088

SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE

AND I COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSI

	30-045-	24834		
Operator: BP AMERIC	A PRODUCTION CO.	Te	lephone: (505) 3	<u> 26-9200 </u>
	COURT, FARMINGTON	N. NM 87401		
Facility or Well Name:	5 CU # 189E			
Location: Unit or Qtr/Qtr S	ecK Sec_30	Tag N R 13W County	San Juan	
./,	Other	·		
Land Type: BLM	State, Fee, Oth	er		
Pit Location:		NA , width NA	_	NA
(Attach diagram)	Reference: wellhead X	_, other		
	Footage from reference:	180'		
	Direction from reference:	Degrees	East North of West South	
·				
Depth To Groundwater:		Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) (0 points)	0
(Vertical distance from contaminants to seasonal high water elevation of		Greater than 100 feet	(o points)	
groundwater)				91
		Yes	(20 points)	20/1.
Wellhead Protection Area (Less than 200 feet from a private	1:	No	(0 points)	
domestic water source, or; less than 1000 feet from all other water sources)			
			(20 = = = = = = = = = = = = = = = = = = =	
Distance To Surface Wat	er:	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Citator than 2000 1000		10 KAG
		RANKING SCORE (TO	TAL POINTS):	100
		<u> </u>		bei1202.wr

Date Remediation Sta	arted:	Date Completed:	
Remediation Method:	Excavation X	Approx. cubic yards _	NA
(Check all appropriate sections)	Landfarmed		
ections)		IS.	
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)			
• •	of Remedial Action:Excava	tion. Test hole advanced. No	remediation necessary.
		essed	
000 1000 10			
Groundwater Encou	ntered: No X Yes	Depth	
Final Pit Closure Sampling: (if multiple samples, attach sample results		(Test hole bottom)	
and diagram of sample locations and depths)	Sample depth 4	Sample time 1240	<u> </u>
		Sample time	
	Sample Results	opm) 0.144 Water: Benzer	ne (ppb)
		ppm) $\frac{1.908}{>60}$ Toluer	ne (ppb) enzene (ppb)
	Field Headspace (p	opm) 🦟 WW EINVID	CITACUE (DDD)
	-	FP	
	трн (р	ppm) 10300 Total 2	Xylenes (ppb)
Groundwater Samp	трн (г	ppm) 10300 Total 2	
	TPH (place: Yes le: Y	ppm) 10300 Total 2	Xylenes (ppb)
I HEREBY CERTII	TPH (place: Yes le: Yes le	ppm) 10300 Total 2	Xylenes (ppb) n sample results) TE TO THE BEST OF MY
I HEREBY CERTII KNOWLEDGE AN	TPH (ple: Yes] FY THAT THE INFORMATION AD BELIEF PRINT OF THE	ppm) 10300 Total 2 No X (If yes, attack ABOVE IS TRUE AND COMPLET	Xylenes (ppb) n sample results) TE TO THE BEST OF MY

Operator:

Well Name:

1560ft. FSL, 2025 ft. FWL, Unit K, Sec. 36, T29N, R13W

BP America Production Company (BP) GCU #189

Well Site location:

Pit Type:

Separator Pit

Producing Formation:

Basin Dakota

Pit Category:

Vulnerable

Horizontal Distance to Surface Water:

< 1000 ft.

Vicinity Groundwater Depth:

> 100 ft.

Topographic Map:

Farmington South, New Mexico (photo revised 1979)

RISK ASSESSMENT (vulnerable area)

Pit remediation activities were terminated when backhoe encountered competent sandstone bedrock at three (3) feet below pit bottom [four (4) feet below grade].

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

- Past production fluids were contained locally by the relatively shallow sandstone bedrock. 1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below the bedrock.
- Site inspection did not indicate off site lateral fluid migration from the earthen pit toward any down 2. gradient surface water area estimated at greater than 400 feet (reference: topographic map listed above).
- Daily discharge into the earthen pit has been terminated (abandoned). Prior discharge into the pit is 3. believed to be under 5 barrels per day.

Based upon the information given, we conclude that the subsurface vertical impact from the earthen pit is very limited and that the sandstone bottom creates enough of a impermeable barrier as to subdue impact to groundwater below it (please refer to BP AMOCO's (formerly Amoco Production Company) report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). BP therefore request pit closure approval on this location.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

		•	
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 4'	Date Reported:	09-09-02
Laboratory Number:	23766	Date Sampled:	09-04-02
Chain of Custody No:	10099	Date Received:	09-05-02
Sample Matrix:	Soil	Date Extracted:	09-05-02
Preservative:	Cool	Date Analyzed:	09-06-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	836	0.2
Diesel Range (C10 - C28)	9,480	0.1
Total Petroleum Hydrocarbons	10,300	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:

GCU #189E Separator Pit Grab Sample.

Analyst Malter

Review . A



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Chain of Custody: Sample Matrix: Preservative: Condition:	Blagg / BP 1 @ 4' 23766 10099 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted: Analysis Requested:	94034-010 09-09-02 09-04-02 09-05-02 09-06-02 09-05-02 BTEX
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Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	144 330 77.9 1,010 346	1.8 1.7 1.5 2.2 1.0
Total BTEX	1,908	

ND - Parameter not detected at the stated detection limit.

		Percent Recovery
Surrogate Recoveries:	Parameter Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

GCU #189E Separator Pit Grab Sample.

Mister of Walters