<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 strict IV \_20 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

March 12, 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 ☐

RCVD APR10'07 OIL CONS. DIV.

Type of action: Registration of a pit or belo	ow-grade tank [ Closure of a pit or below-gra	de tank DIST. 3
Operator: BP AMERICA PROD. CO.		)
Address 200 Energy Court, Farmington, I	NM 87410	1
Facility or well name: SHEETS LS #2	API#30-045-10347	Otr H Sec 28 T 31N R 9W
County: San Juan Latitude 36.87182 Longitude 107.	78046 NAD: 1927 ☐ 1983 🏿 Surface O	wner Federal 🛛 State 🗌 Private 🗌 Indian 🗍
Pit         Type:       Drilling ☐ Production ☐ Disposal ☒ SEPARATOR         Workover ☐ Emergency ☐         Lined ☐ Unlined ☒         Liner type:       Synthetic ☐ Thicknessmil Clay ☐ Volumebbl	Below-grade tank	If not, explain why not.
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) ( 0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) ( 0 points)
	Ranking Score (Total Points)	20
If this is a pit closure: (1) attach a diagram of the facility showing the pit's rela onsite of offsite if If offsite, name of facility end date. (4) Groundwater encountered: No off Yes if yes, show depth belo a diagram of sample locations and excavations.	(3) Attach a general description of remedial active ground surfaceft. and attach	tion taken including remediation start date and sample results. (5) Attach soil sample results and
I hereby certify that the information above is true and complete to the best of m has been/will be constructed or closed according to NMOCD guidelines   Date: 04/30/04  Printed Name/Title Jeff Blagg - P.E. # 11607  Your certification and NMOCD approval of this application/closure does not re otherwise endanger public health or the environment. Nor does it relieve the open statement of the state	, a general permit □, or an (attached) altern  Signature	ative OCD-approved plan \( \bigsize \).
Approval:  Approval:	perator of its responsionity for compliance with	any omen teuerat, state, or local laws and/or
Deputy Oil & Gas Inspector,	Signature BM BM	

PAGE 3 OF 3

client: BP	BLAC P.O. BOX		NEERING	-	43 LOC	CATION NO:	<u> 81364</u>
CLIENT:	1	(505) 632		, 14101 01-4	ľ	CR NO:	HALL
FIELD REPORT	: PIT CL	OSURE	VERIF	ICATIO	N PAG	E No:/	of/
LOCATION: NAME: SHEET  QUAD/UNIT: H SEC: 28						STARTED:	4/21/04
QTR/FOOTAGE: 1650 N					CNIVIE	RONMENTAL IALIST:	NV
EXCAVATION APPROX	. <u>10</u> FT. x	<u> </u>	x <u>6</u> FT	. DEEP. CU	BIC YAR	DAGE:	25
DISPOSAL FACILITY:						LANDE	
LANDUSE: KANGE-							
FIELD NOTES & REMAR	KS: PIT LOC	ATED APPROX	OMATELY \C	5 FT	ル 4610 IRFACE WAT	FROM	WELLHEAD.
NMOCD RANKING SCORE: 20					, , , , , , , , , , , , , , , , , , ,		
SOIL AND EXCAVATION				OVM CALIB. F			
OOIL AND LAOAVATIC	N DECONNI 1	1011.		OVM CALIB O			) 7
SOIL TYPE: (SAND) SILTY SAN	ID / SILT / SILTY (	CLAY / CLAY /	GRAVEL / OTH			1 OATE	
SOIL COLOR MOD.	BRIUN TO	VERY OU	SKY RED P	NAE			
COHESION (ALL OTHERS): NON CO CONSISTENCY (NON COHESIVE SO				COHESIVE			
PLASTICITY (CLAYS) NON PLASTI				HIGHLY PLASTIC		(	(LOSED)
DENSITY (COHESIVE CLAYS & SILT						(6	
MOISTURE: DRY / SLIGHTLY MOIST DISCOLORATION/STAINING OBSER	/MOIST/WET/SAT VED:(YES)/NO EXP	URATED / SUPER	R SATURATED VEPY OUSKY	PED PUPOL	E BET	7 - 8 85	ELOW GRADE
HC ODOR DETECTED YES NO E	PLANATION - DIS	colorso 5	OIL NOTE	AROLE			
SAMPLE TYPE: GRAB / COMPOSITE ADDITIONAL COMMENTS.	-# OF PTS.	PEDSTNO	TO EXCAUA	TE DISCOL	2020	2027162	DE PIT
N	SURFACE 50				an de la company		
	W. Jaker T. Jaker	FIE	LD 418.1 CALC	ULATIONS			
SCALE SAMP. TIN	ME SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
0 FT							
PIT PERIMET	ER				PIT F	ROFIL	E
	`		VM				
		SAMPLE	DING FIELD HEADSPACE	_			
, 12'		10 9	(ppm) 0.0				
		2@					
TERM		3 @ 4 @		_			
13'	SEP >	5@					
13	1361	}					
	10			_			
	weul				NOT A	PPLICABI	Æ
					NOT A	PPLICABL	£
P.D.	weul			/	NOT A	PPLICABI	Æ
al Na	HERD HERD	LAB SA	AMPLES		NOT A	PPLICAB <u>î</u>	£
1	HERD HERD	LAB SAMPLE AN	AMPLES VALYSIS TIME H (80158)/3/5		NOT A	PPL KABI	£
al Na	HERD HERD	LAB SAMPLE AN	VALYSIS TIME		NOT A	PPLICA BI	Æ
al Na	WEAL HEAL) D -	LAB SI SAMPLE AN (Deg TP)	VALYSIS TIME		NOT A	PPLICA BI	Æ

revised: 09/04/02

CLIENT: Lab Order: Blagg Engineering

0404209

Project:

Sheets LS #2

Lab ID:

0404209-03

Date: 04-May-04

Client Sample ID: 1@9'-Separator Pit

Collection Date: 4/21/2004 1:15:00 PM

Matrix: SOIL

Analyses	Result	PQL Q	ıal Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	Ε				Analyst: <b>JMP</b>
Diesel Range Organics (DRO)	5.5	5.0	mg/Kg	1	4/30/2004 3:35:40 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/30/2004 3:35:40 PM
Surr: DNOP	109	60-124	%REC	1	4/30/2004 3:35:40 PM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/26/2004 8:46:18 PM
Surr: BFB	94.4	74-118	%REC	1	4/26/2004 8:46:18 PM

\* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

R - RPD outside accepted recovery limits

CLIENT 87	BLAGG ENG P.O. BOX 87, BLO		•	13	LOCATION NO:	105617
	(505)	632-1199			C.O.C NO	14543
FIELD REPORT: LANDFA	RM/COMPOST F	PILE CLO	SURE VE	RIFICA	TION	s
LOCATION: NAME: SHEETS  QUAD/UNIT: H SEC: 39 TWE	P. 31n RNG: GW		,		DATE STARTED. 4	127/06
QTR/FOOTAGE:	SELUE CONT		,,,, ,, ,,		ENVIRONMENTAL SPECIALIST	NV
SOIL REMEDIATION:						70
REMEDIATION SYSTEM: _ &	9NDFPRYNL	_ A	PPROX. CU	BIC YARI	DAGE:	*****
LAND USE: KANGE	-Bem	_ L	IFT DEPTH	(ft):	0.5	-1.5
FIELD NOTES & REMARKS: DE	EPTH TO GROUNDWATER.	2195	NEAREST S	SURFACE WA	TER <1,000	1
NEAREST WATER SOURCE >1,000	NMOCD RANKING SO	CORE: Z	O NMOC	D TPH CLOS	URE STD. 100	PP <b>M</b>
SOIL TYPE. SAND / SILTY SAND / SILT /	/ SILTY CLAY / CLAY / G		ER			
SOIL COLOR MOTHERS FOR SOLE	Access to the second se	CNE / COHE	CN/E / HICHIA	/ COLLEGI/		
COHESION (ALL OTHERS): NON COHE CONSISTENCY (NON COHESIVE SOILS)	The state of the s			COHESIV	E	
-PLASTICITY (CTAYS): NON PLASTIC / S	Action of the Control			C / HIGHLY	PLASTIC	
DENSITY (COHESIVE CLAYS & 61LTS):				0711101321	1 1 10110	
MOISTURE: DRY /SLIGHTLY MOIST						
DISCOLORATION/STAINING OBSERVED						
HC ODOR DETECTED: YES /(NO) EXPL						
SAMPLING DEPTHS (LANDFARMS):					(0.15	===
SAMPLE TYPE: GRAB (COMPOSITE) #	: OF PTS				ركده	, ZED
ADDITIONAL COMMENTS:						
OVETOUR AND ELOCAT	10410					
SKETCH/SAMPLE LOCAT	IONS	OVM C	CALIB. READ. =	53.1		]
60'		OVM C	CALIB. GAS =	150	ppm <u>RF = 0.52</u>	
		TIME	<u>3:24</u> ai	DAT (הווֹק/וו	E. 4/27/06	
T @ G			ESULTS		LAB SAMPLE	S
	75	8AMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE 1D	ANALYSIS TIME	RESULTS -
52'	N37E FROM-	LF-1	0,0	2F-1	(50158) 1515	ND
	11272 H					
	JAMPLE PT.		<u> </u>			
LANDFRANT JOELL	DESIGNATION			P.C	4/21/04	
PERIMETER V WELL HEAD	Degler.	SCALE			11 - 1 -	
Herio		<b>第二次</b>	7			
		0	FT			
TRAVEL NOTES: CALLOUT: NA		ONSITE:	7/27/	>6		



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-01-06
Laboratory Number:	36984	Date Sampled:	04-27-06
Chain of Custody No:	14543	Date Received:	04-28-06
Sample Matrix:	Soil	Date Extracted:	04-30-06
Preservative:	Cool	Date Analyzed:	05-01-06
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: Sheets LS #2 Landfarm 5 Pt. Composite Sample.

Analyst

Review

IVIBOR IIS LAE IIS NE, S II, New Me 5.3975 Ironment	AWALYSIS REQUEST	Gasoline Only) be/Diesel) PO4, SO4) s (8082)	180158 (G. 180158 (G. 180158 (G. 18021) (G.	BTEX + MT BTEX + MT TPH Method TPH (Method EDB (Method 8310 (PNA RCRA 8 Method RCRA 9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>&gt;</b>			Remarks:
Accreditation Applie.  NELAC □ USACE □  Other:  Project Name:  SHEETS L3 # A		Project Manager:	Sample Temperature:	Number/Volume HgCl <sub>2</sub> HNO <sub>3</sub> Racc HEAL No.	1-402, 1 (40/20)-1	1-40z.	1-402. V -3		Received By: (Signature) 4/22/69 R. Received By: (Signature)
CHAIN-OF-CUSTODY RECORD  Client: RAGG ENSR.   BP AMERICA	Address: P.O. BOX B7	Besomfieed NM 87413	Phone #: 505 - 632 - 179 Fax#: 505 - 632 - 3903	Sample I.D. No.	4/21/64 1320 501 C @ 610' - BLOW	4/21/04 1310 5016 PROSUCTION TANK PIT.	4/21/04 1315 501L SEPARATOR PIT		Date: Time: Relinquished By: (Signature)  Nate: Time: Relinquished By: (Signature)

CLIENT:

Blagg Engineering

Work Order:

0404209

Project:

Sheets LS #2

**Date:** 04-May-04

# QC SUMMARY REPORT

Method Blank

Sample ID MB-5682	Batch ID: 5682	Test Code:	Test Code: SW8015 Units: mg/Kg			Analysis	Date 4/29	/2004 11:21:09 PM	Prep D	ate <b>4/29/200</b>	)4
Client ID:		Run ID:	Run ID: FID(17A)_040429A SeqNo: 270380								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	5.0									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	11.42	0	10	0	114	60	124	0			
Sample ID MB-5656	Batch ID: 5656	Test Code:	SW8015	Units: mg/Kg		Analysis	Date <b>4/26</b>	/2004 6:44:52 PM	Prep Da	ate <b>4/23/200</b>	4
Client ID:		Run ID:	PIDFID_0404	26A		SeqNo:	2686	10			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0							•		
Surr: BFB	915.3	0	1000	0	91.5	74	118	0			

CLIENT:

Blagg Engineering

Work Order:

0404209

Project:

Sheets LS #2

Date: 04-May-04

#### **QC SUMMARY REPORT**

Sample Matrix Spike

Sample ID 0404209-02a ms	Batch ID: 5656	Test Code:	Test Code: SW8015 Units: mg/Kg			Analysis	Prep Date 4/23/2004				
Client ID: 1 @ 7'-Production		Run ID:	PIDFID_0404	26A		SeqNo:	2686	20			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23.47	5.0	25	0	93.9	73.8	120	0			
Surr: BFB	1007	0	1000	0	101	74	118	0			
Sample ID 0404209-02a msd	Batch ID: 5656	Test Code:	SW8015	Units: mg/Kg		Analysis	Date 4/27	/2004 12:18:20 AM	Prep Da	ate <b>4/23/200</b>	4
Client ID: 1 @ 7'-Production		Run ID:	PIDFID_0404	26A		SeqNo:	2686	22			
Analyte 1 @ 7'-Production	Result	Run ID: PQL	_	26A SPK Ref Val	%REC	SeqNo: LowLimit		22 RPD Ref Val	%RPD	RPDLimit	Qual
<b>9</b>			_		%REC 96.0				%RPD - 2.19	RPDLimit	Qual

CLIENT:

Blagg Engineering

Work Order:

0404209

Project:

Sheets LS #2

Date: 05-May-04

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID LCS-5682	Batch ID: 5682	Test Code: SW8015 Units: mg/Kg				Analysis	s Date 4/29	Prep Date 4/29/2004			
Client ID:		Run ID:	FID(17A)_04	17A)_040429A			2703	81			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	72.51	5.0	50	0	145	67.4	117	0			S
Sample ID LCSD-5682	Batch ID: 5682	Test Code:	SW8015	Units: mg/Kg		Analysis	s Date 4/30	/2004 12:28:20 AM	Prep D	ate <b>4/29/200</b>	4
Client ID:		Run ID:	FID(17A)_04	0429A		SeqNo:	2703	82			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47.63	5.0	50	0	95.3	67.4	117	72.51	41.4	17.4	R
Sample ID LCS-5656	Batch ID: 5656	Test Code:	SW8015	Units: mg/Kg		Analysis	Date <b>4/26</b>	/2004 7:15:20 PM	Prep D	ate <b>4/23/200</b>	4
Client ID:		Run ID:	PIDFID_0404	26A		SeqNo:	2686	11			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	) 22.24	5.0	25	0	89.0	85.8	111	0			

#### Sample Receipt Checklist

Client Name BLAGG	,		•	Date and Time	Received:	4/22/2004
Work Order Number 0404209				Received by	AT	
Checklist completed by Signature	, Va Valencia		1/22 Date	104	-	
Matrix	Carrier name	Grey	hound			
Shipping container/cooler in good condition?		Yes	<b>✓</b>	No 🗆	Not Present	
Custody seals intact on shipping container/coole	it.	Yes		No 🗆	Not Present	✓ Not Shipped □
Custody seals intact on sample bottles?		Yes		No 🗆	N/A	
Chain of custody present?		Yes	$\checkmark$	No 🗌		
Chain of custody signed when relinquished and	received?	Yes	<b>✓</b>	No 🗆		
Chain of custody agrees with sample labels?		Yes	<b>✓</b>	No 🗆		
Samples in proper container/bottle?		Yes	<b>~</b>	No 🗆		
Sample containers intact?		Yes	<b>✓</b>	No 🗆		
Sufficient sample volume for indicated test?		Yes	<b>✓</b>	No 🗆		
All samples received within holding time?		Yes	<b>✓</b>	No 🗆		
Nater - VOA vials have zero headspace?	No VOA vials sub	mitted	$\checkmark$	Yes	No 🗌	
Water - pH acceptable upon receipt?		Yas		No 🗌	N/A 🗹	
Container/Temp Blank temperature?			2°	4° C ± 2 Accepta If given sufficient		
COMMENTS:						
Client contacted	Date contacted: _			Pers	on contacted	
Contacted by:	Regarding					
Comments:					<del>-</del>	
Corrective Action						
		******				

# Hall Environmental Analysis Laboratory Date: 05-May-04

CLIENT:

Blagg Engineering

Project:

Sheets LS #2

Lab Order:

0404209

CASE NARRATIVE

The diesel laboratory control spike (LCS) had an elevated recovery. The laboratory control spike duplicate recovery was acceptable.

# CHAIN OF CUSTODY RECORD

ACCRETION AND PROPERTY OF THE	and the best of the second sec										Carried Market Market Control	***************************************		-	
Clieni / Project Name			Project Location						ANALYSIS / PARAMETERS						
84966 / 8	3P		SHEET	5 65	n a				ZINA	ALIGIO / IFAI	MINICICHO				
Sampler:			Client No.				2					Remarks			
NV			9403	4-010		No. of	aine	7PH 3015B)			Porce	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	/"h		
Sample No./	Sample	Sample	Lab Number		Sample	N N	Son (S	3015B)			Thes	FRUED_	<u> </u>	مسا	
Ideniiiication	Date	Time	Lab Ivallibei		Matrix						Spr. C	omposite	Same	Lį:	
LF -1	4/27/06	1515	36984	3	501L		/	<b>✓</b>			L.F.	(NDFS(C)	rm.		
	-						_								
Relinquished by: (Signati	ure) .			Date	Time	Received	bv: (S	ionature)				Date	Time		
Helion	1/1/			4/28/06			lis	the 1	nli	alter	a	4/28/04	101	(	
Relinquished by: (Signate	uré)					Received	by: (S	ignature)							
Relinquished by: (Signati	ure)					Received	by: (S	ignature)							
				EAV	IRO"		4				Sam	ple Receipt			
												Y	N I	N/A	
					796 U.S ington, N						Received Inta	act l	_		
			at .	i CHIII		632-061					Cool - Ice/Blue	Ice			



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

#### **Quality Assurance Report**

Client:	QA/QC		Project #:		N/A
Sample ID:	05-01-06 QA/QC		Date Reported:		05-01-06
Laboratory Number:	36983		Date Sampled:		N/A
Sample Matrix:	Methylene Chloride		Date Received:		N/A
Preservative:	N/A		Date Analyzed:		05-01-06
Condition:	N/A		Analysis Request	ed:	TPH
I-Cal Date   I-Cal RF: % Difference   Accept. Range					
	(See the contract of the contract of	1.0072E+003	1.0082E+003	0.10%	0 - 15%
Gasoline Range C5 - C10	02-04-05				
Diesel Range C10 - C28	02-04-05	1.0059E+003	1.0080E+003	0.20%	0 - 15%
Blank Conc. (mg/L+ mg/Kg)					
Gasoline Range C5 - C10	2 827. 44	ND	· 50.41 50 70 170 8803895 13	0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/kg) Sample Duplicate % Difference Accept. Range					
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	*
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
Diesei Railge C10 - C25	MD	ND	0.078	0 - 30 /6	
Spike Conc. (mg/Kg) Sample Spike Added Spike Result % Recovery Accept. Range					
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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:

QA/QC for Samples 36983 - 36991.

Ånalvst

Shul Hall