

District I
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

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

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144
June 1, 2004

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: HARE GC E #1 API #: 30-045- 21080 U/L or Qtr/Qtr N Sec 6 T 29N R 9W
County: SAN JUAN Latitude 36.74756 Longitude 107.82318 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

RCVD APR 5 '07

OIL CONS. DIV.

DIST. 3

Pit

Type: Drilling ☐ Production ☐ Disposal ☒ BLOW

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐ STEEL TANK

Liner type: Synthetic ☐ Thickness _____ mil Clay ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: N/A

Double-walled, with leak detection? Yes ☐ 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	(20 points)	20
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	(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	(20 points)	0
	No	(0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	10
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	
Ranking Score (Total Points)			30

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 you 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 ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5)

Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 87 FT. S81W FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/Aft.

PIT REMEDIATION: CLOSE AS IS: ☒ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)

Cubic yards: N/A

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 01/30/06

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Deputy Oil & Gas Inspector,
District #3

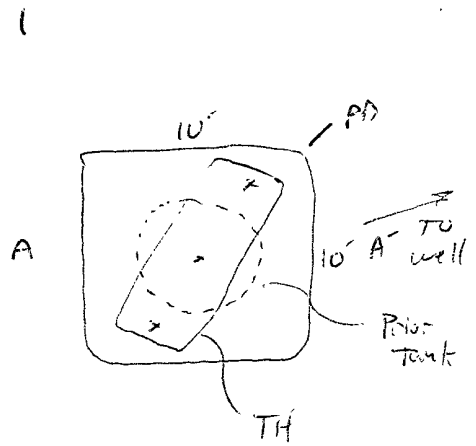
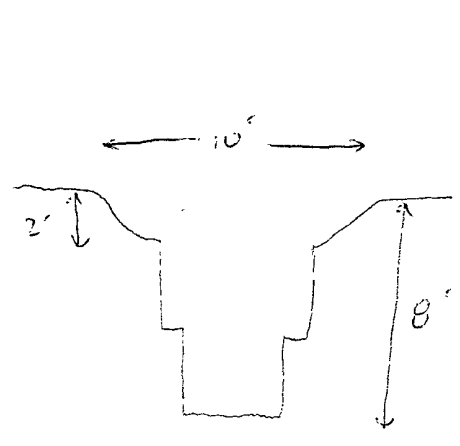
Approval

Printed Name/Title _____

Signature _____

Date: _____

AUG 06 2007

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>80314</u> COCR NO. <u>HALL</u>																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>HARE GC E</u> WELL #: <u>1</u> TYPE: <u>BLOW</u> QUAD/UNIT <u>N</u> SEC. <u>6</u> TWP <u>29N</u> RING <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>240 FSL x 1330 FEL SE/50</u> CONTRACTOR: <u>SIEM (JEFF)</u>		DATE STARTED <u>1-17-06</u> DATE FINISHED <u>1-17-06</u> ENVIRONMENTAL SPECIALIST <u>JCS</u>																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																		
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																		
LAND USE: <u>RURAL</u> LEASE: <u>NM-074091 FEE</u> FORMATION <u>PC (PXA)</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>87</u> FT. <u>SW</u> FROM WELLHEAD.																																		
DEPTH TO GROUNDWATER: <u>250</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u><1000</u>																																		
NMOC D RANKING SCORE: <u>30</u> NMOC D TPH CLOSURE STD: <u>100</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:																																		
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR <u>Light Tan</u> COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE</u> / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION - _____ HC ODOR DETECTED: YES / <u>NO</u> EXPLANATION - _____ SAMPLE TYPE GRAB / <u>COMPOSITE</u> # OF PTS <u>3</u> ADDITIONAL COMMENTS: <u>10'x10'x2' Deep Pit w/ 21 Bbl Steel tank</u> <u>Set @ 5' BG. Use Backhoe to Pull tank & Sample. No evidence of contamination.</u>																																		
FIELD 418.1 CALCULATIONS																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																								
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TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>1/17/06</u>																																		

Hall Environmental Analysis Laboratory

Date: 03-Feb-06

CLIENT: Blagg Engineering
Lab Order: 0601238
Project: HARE GC E 1
Lab ID: 0601238-01

Client Sample ID: BLOW-3 Point Composite
Collection Date: 1/17/2006 9:25:00 AM
Date Received: 1/25/2006
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						
						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/30/2006 10:50:11 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/30/2006 10:50:11 AM
Surr. DNOP	77.5	60-124		%REC	1	1/30/2006 10:50:11 AM
EPA METHOD 8015B: GASOLINE RANGE						
						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/26/2006 5:05:55 PM
Surr: BFB	99.2	83.1-124		%REC	1	1/26/2006 5:05:55 PM
EPA METHOD 8021B: VOLATILES						
						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	1/26/2006 5:05:55 PM
Toluene	ND	0.050		mg/Kg	1	1/26/2006 5:05:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/26/2006 5:05:55 PM
Xylenes, Total	ND	0.050		mg/Kg	1	1/26/2006 5:05:55 PM
Surr: 4-Bromofluorobenzene	102	87.5-115		%REC	1	1/26/2006 5:05:55 PM
EPA METHOD 9056A: ANIONS						
						Analyst: TES
Chloride	0.53	0.30		mg/Kg	1	1/31/2006

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

CLIENT: Blagg Engineering
Work Order: 0601238
Project: HARE GC E 1

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_S

Sample ID: MB-9684		SampType: MBLK	TestCode: 300_S		Units: mg/Kg	Prep Date: 1/31/2006			RunNo: 18109			
Client ID ZZZZZ		Batch ID: 9684	TestNo: E300			Analysis Date: 1/31/2006			SeqNo: 446429			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND	0.30									

Sample ID: LCS-9684	SampType: LCS	TestCode: 300_S	Units: mg/Kg	Prep Date: 1/31/2006	RunNo: 18109						
Client ID: ZZZZZ	Batch ID: 9684	TestNo: E300		Analysis Date: 1/31/2006	SeqNo: 446430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	14.57	0.30	15	0	97.1	90	110				

Sample ID: 0601238-01AMS		SampType: MS	TestCode: 300_S		Units: mg/Kg	Prep Date: 1/31/2006			RunNo: 18109		
Client ID: BLOW-3 Point Com		Batch ID: 9684	TestNo: E300			Analysis Date: 1/31/2006			SeqNo: 446440		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	14.48	0.30	15	0.528	93.0	80	120				

Sample ID: 0601238-01AMSD		SampType: MSD	TestCode: 300_S		Units: mg/Kg	Prep Date: 1/31/2006			RunNo: 18109			
Client ID BLOW-3 Point Com		Batch ID: 9684	TestNo: E300			Analysis Date: 1/31/2006			SeqNo. 446441			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		14.59	0.30	15	0.528	93.7	80	120	14.48	0.764	20	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Blagg Engineering
 Work Order: 0601238
 Project: HARE GC E 1

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015DRO_S

Sample ID: MB-9648	SampType: MBLK	TestCode: 8015DRO_S	Units: mg/Kg	Prep Date: 1/26/2006	RunNo: 18071						
Client ID ZZZZZ	Batch ID: 9648	TestNo: SW8015		Analysis Date: 1/30/2006	SeqNo 445347						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO) ND

10

Motor Oil Range Organics (MRO) ND

50

Sample ID. LCS-9648	SampType: LCS	TestCode: 8015DRO_S	Units. mg/Kg	Prep Date: 1/26/2006	RunNo: 18071						
Client ID. ZZZZZ	Batch ID. 9648	TestNo: SW8015		Analysis Date: 1/30/2006	SeqNo: 445348						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO) 37.51

10

50

0

75.0

67.4

117

Sample ID: LCSD-9648	SampType: LCSD	TestCode: 8015DRO_S	Units: mg/Kg	Prep Date: 1/26/2006	RunNo: 18071						
Client ID ZZZZZ	Batch ID: 9648	TestNo: SW8015		Analysis Date: 1/30/2006	SeqNo. 445630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO) 42.44

10

50

0

84.9

67.4

117

37.51

12.4

17.4

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

CLIENT: Blagg Engineering
 Work Order: 0601238
 Project: HARE GC E 1

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GRO_S

Sample ID: MB-9646	SampType: MBLK	TestCode: 8015GRO_S	Units: mg/Kg	Prep Date: 1/25/2006	RunNo: 18056						
Client ID: ZZZZZ	Batch ID: 9646	TestNo: SW8015	(SW5035)	Analysis Date: 1/26/2006	SeqNo: 445101						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO) ND 5.0

Sample ID: LCS-9646	SampType: LCS	TestCode: 8015GRO_S	Units: mg/Kg	Prep Date: 1/25/2006	RunNo: 18056						
Client ID: ZZZZZ	Batch ID: 9646	TestNo: SW8015	(SW5035)	Analysis Date: 1/26/2006	SeqNo: 445102						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO) 23.40 5.0 25 0 93.6 84 120

4/6

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

CLIENT: Blagg Engineering
Work Order: 0601238
Project: HARE GC E 1

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021BTEX_S

Sample ID: MB-9646	SampType: MBLK	TestCode: 8021BTEX_S	Units: mg/Kg	Prep Date: 1/25/2006	RunNo: 18056						
Client ID: ZZZZZ	Batch ID: 9646	TestNo SW8021	(SW5035)	Analysis Date: 1/26/2006	SeqNo 445123						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.050									

Sample ID	LCS-9646	SampType	LCS	TestCode	8021BTEX_S	Units	mg/Kg	Prep Date	1/25/2006	RunNo	18056		
Client ID	ZZZZZ	Batch ID	9646	TestNo	SW8021		(SW5035)	Analysis Date	1/26/2006	SeqNo	445124		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.4126	0.050	0.42	0	98.2	85.6	116				
Toluene	2.085	0.050	1.9	0	110	82.4	120				
Ethylbenzene	0.3933	0.050	0.41	0	95.9	86.4	111				
Xylenes, Total	2.084	0.050	1.9	0	110	78.4	125				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name BLAGG

Date and Time Received

1/25/2006

Work Order Number 0601238

Received by

LMM

Checklist completed by

Lise Healy
Signature

1/25/06
Date

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☒	N/A ☐	
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒	

Container/Temp Blank temperature?

4°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by _____ Regarding _____

Comments _____

Corrective Action _____