

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
1225 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

RCVD MAR20'07

OIL CONS. DIV.

DIST. 3

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
Address: 200 Energy Court, Farmington, NM 87410
Facility or well name: HUGHES #5 API #: 30-045-23824 U.L. or Qtr: Qtr C Sec 20 T 29N R 8W
County: San Juan Latitude 36.71533 Longitude 107.70229 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR
Workover ☐ Emergency ☐
Lined ☐ Unlined ☒
Liner type: Synthetic ☐ Thickness mil Clay ☐ 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)
50 feet or more, but less than 100 feet	(10 points) 0
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)
No	(0 points) 0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet	(20 points)
200 feet or more, but less than 1000 feet	(10 points) 0
1000 feet or more	(0 points)

Ranking Score (Total Points)	0
-------------------------------------	----------

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:

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.

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 (attached) alternative OCD-approved plan ☒.

Date: 04/28/04

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

Signature Jeff Blagg

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.

Approval:

MAR 20 2007

Date:

Printed Name/Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature Bob Dill

CLIENT: <u>8P</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>181365</u> COCR NO: <u>11685</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>HUGHES</u> WELL #: <u>5</u> TYPE: <u>DEHY.</u> QUAD/UNIT: <u>C SEC: 20 TWP: 29N RNG: 8W PM: NM CNTY: ST ST: NM</u> QTR/FOOTAGE: <u>965'N/1540'W</u> NEINW CONTRACTOR: <u>SIERRA (SHAWN)</u>		DATE STARTED: <u>4/26/04</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																								
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE - BLM</u> LEASE: <u>5F078046</u> FORMATION: <u>OK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>100</u> FT. <u>N60E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION: <div style="float: right; border: 1px solid black; padding: 5px; margin-top: -20px; margin-right: 10px;"> OVM CALIB. READ. = <u>53.9</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>12:35</u> am/pm DATE: <u>4/26/04</u> </div> SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>OK YELL. BROWN</u> <u>BEDROCK - OLIVE GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / FIRM / 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 / SLIGHTLY MOIST / <u>MOIST / WET</u> SATURATED / SUPER SATURATED (WET) DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE BEDROCK SURFACE & PIT SURFACE.</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>PIT AREA & OVM SAMPLE.</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>1</u> ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM SOIL ABOVE BEDROCK. BEDROCK - VERY HARD, COMPETENT.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>																																										
FIELD 418.1 CALCULATIONS																																										
SCALE 0 FT	<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)																																
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																			
PIT PERIMETER	PIT PROFILE																																									
	<div style="text-align: center;"> OVM READING </div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 3.5</td><td>239</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <div style="text-align: center; margin-top: 10px;"> LAB SAMPLES </div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>DE 3.5</td><td>TAH (80158)</td><td>1151</td></tr> <tr><td>"</td><td>STX (80218)</td><td>"</td></tr> <tr><td>"</td><td>CHLORIDE</td><td>"</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <div style="text-align: center; margin-top: 10px;"> NOT APPLICABLE </div>		SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 3.5	239	2 @		3 @		4 @		5 @												SAMPLE ID	ANALYSIS	TIME	DE 3.5	TAH (80158)	1151	"	STX (80218)	"	"	CHLORIDE	"						
SAMPLE ID	FIELD HEADSPACE (ppm)																																									
1 @ 3.5	239																																									
2 @																																										
3 @																																										
4 @																																										
5 @																																										
SAMPLE ID	ANALYSIS	TIME																																								
DE 3.5	TAH (80158)	1151																																								
"	STX (80218)	"																																								
"	CHLORIDE	"																																								
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																										
TRAVEL NOTES: CALLOUT: <u>4/26/04-MORN.</u> ONSITE: <u>4/26/04-MORN. (SCHEDULED)</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

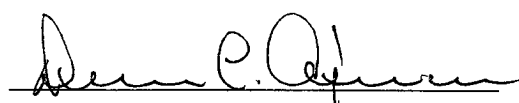
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	04-28-04
Laboratory Number:	28477	Date Sampled:	04-26-04
Chain of Custody No:	11685	Date Received:	04-26-04
Sample Matrix:	Soil	Date Extracted:	04-27-04
Preservative:	Cool	Date Analyzed:	04-28-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

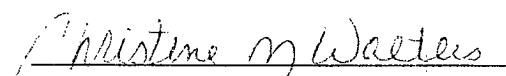
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3,620	0.2
Diesel Range (C10 - C28)	1,140	0.1
Total Petroleum Hydrocarbons	4,760	0.2

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: **Hughes #5 Dehydrator Pit Grab Sample.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	04-28-04
Laboratory Number:	28477	Date Sampled:	04-26-04
Chain of Custody:	11685	Date Received:	04-26-04
Sample Matrix:	Soil	Date Analyzed:	04-28-04
Preservative:	Cool	Date Extracted:	04-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	163	1.8
Toluene	2,160	1.7
Ethylbenzene	887	1.5
p,m-Xylene	2,400	2.2
o-Xylene	1,390	1.0
Total BTEX	7,000	

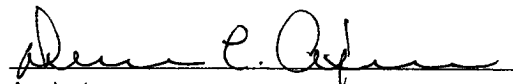
ND - Parameter not detected at the stated detection limit.

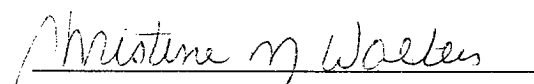
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Hughes #5 Dehydrator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

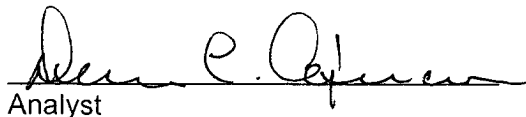
Total Chloride

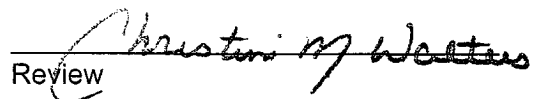
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	04-28-04
Lab ID#:	28477	Date Sampled:	04-26-04
Sample Matrix:	Soil Extract	Date Received:	04-26-04
Preservative:	Cool	Date Analyzed:	04-27-04
Condition:	Cool and Intact	Chain of Custody:	11685

Parameter	Concentration (mg/L)
Total Chloride	4.40

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Hughes #5 Dehydrator Pit Grab Sample.


Analyst


Review