

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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: WHITE GC #1 API #: 30-045- 07982 U/L or Qtr/Qtr O Sec 22 T 29N R 13W
County: SAN JUAN Latitude 36.70818 Longitude 108.18962 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☒ Disposal ☐ BLOW

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

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)

50 feet or more, but less than 100 feet

(10 points)

20

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)

10

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 CROUCH MESA LF. (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 6 ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 220 FT. SSE FROM WELL HEAD.

PIT EXCAVATION: WIDTH 59 ft., LENGTH 73 ft., DEPTH 6 ft.

RCVD JUN13'07

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

OIL CONS. DIV.

Cubic yards: 1,00

DIST. 3

GROUNDWATER ENCOUNTERED.

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: 12/01/06

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: Deputy Oil & Gas Inspector,
District #3

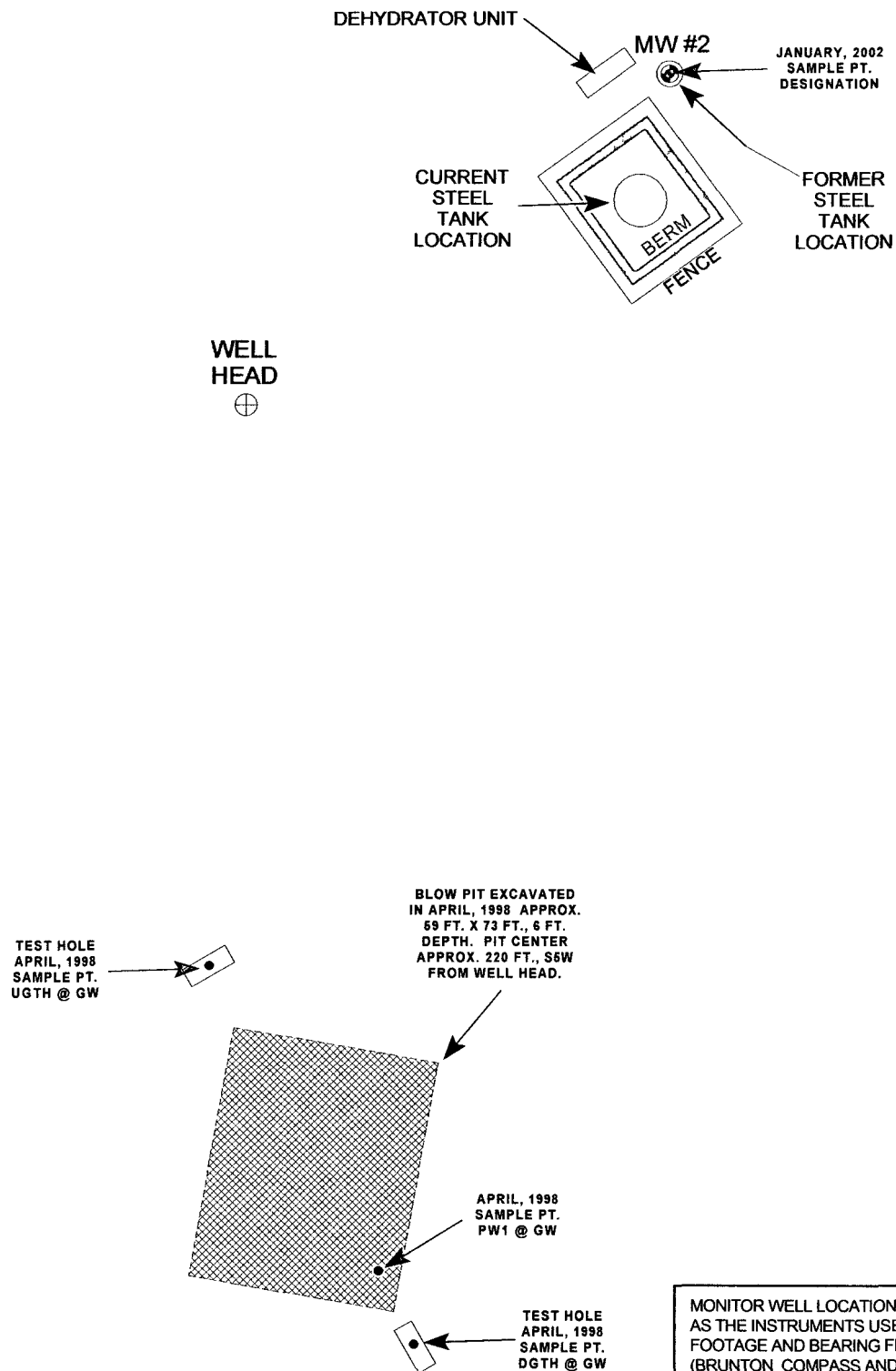
Printed Name/Title _____

Signature [Signature]

Date: AUG 10 2007



FIGURE 1



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

1 INCH = 50 FEET

0 50 100 FT.

BP AMERICA PRODUCTION COMPANY

WHITE GC #1

SW4 SE4 SEC. 22, T28N R13W

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: MW INSTALLATION

DRAWN BY: NJV

FILENAME: WHITE GC 1-SM.SKF

DRAFTED: 02/05/07

SITE MAP

12/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	UGTH @ GW (4')	Date Reported:	04-17-98
Chain of Custody:	5743	Date Sampled:	04-16-98
Laboratory Number:	D109	Date Received:	04-16-98
Sample Matrix:	Water	Date Analyzed:	04-17-98
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	5	1.0
Toluene	0.2	1	0.2
Ethylbenzene	0.3	1	0.2
p,m-Xylene	1.2	1	0.2
o-Xylene	0.5	1	0.1

Total BTEX **2.2**

ND - Parameter not detected at the stated detection limit.

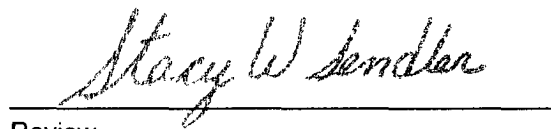
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: White GC #1 Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

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Sample ID:	PW 1 @ GW (4')	Date Reported:	04-17-98
Chain of Custody:	5743	Date Sampled:	04-16-98
Laboratory Number:	D108	Date Received:	04-16-98
Sample Matrix:	Water	Date Analyzed:	04-17-98
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	1.7	5	1.0
Toluene	6.9	1	0.2
Ethylbenzene	4.1	1	0.2
p,m-Xylene	43.6	1	0.2
o-Xylene	4.4	1	0.1

Total BTEX 60.7

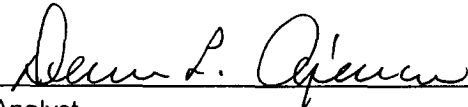
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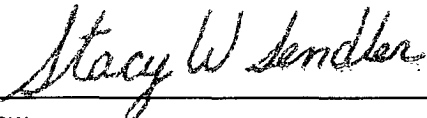
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: White GC #1 Blow Pit.


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DGTH-GW (4')	Date Reported:	04-28-98
Chain of Custody:	5754	Date Sampled:	04-24-98
Laboratory Number:	D170	Date Received:	04-24-98
Sample Matrix:	Water	Date Analyzed:	04-27-98
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	0.4	1	0.2
Ethylbenzene	0.7	1	0.2
p,m-Xylene	6.3	1	0.2
o-Xylene	2.8	1	0.1

Total BTEX **10.2**

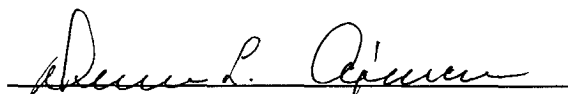
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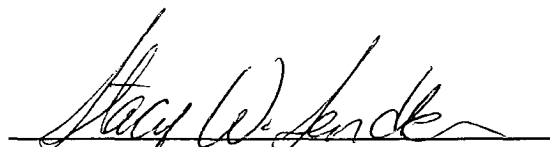
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: White GC #1 Blow Pit.


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

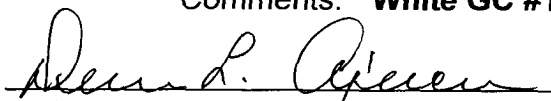
CATION / ANION ANALYSIS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	UGTH @ GW (4')	Date Reported:	04-17-98
Laboratory Number:	D109	Date Sampled:	04-16-98
Chain of Custody:	5743	Date Received:	04-16-98
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-17-98
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		Units
pH	7.08	s.u.		
Conductivity @ 25° C	3,940	umhos/cm		
Total Dissolved Solids @ 180C	1,950	mg/L		
Total Dissolved Solids (Calc)	1,939	mg/L		
SAR	3.4	ratio		
Total Alkalinity as CaCO3	536	mg/L		
Total Hardness as CaCO3	1,040	mg/L		
Bicarbonate as HCO3	536	mg/L	8.79	meq/L
Carbonate as CO3	<1	mg/L	0.00	meq/L
Hydroxide as OH	<1	mg/L	0.00	meq/L
Nitrate Nitrogen	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	270	mg/L	7.62	meq/L
Fluoride	2.02	mg/L	0.11	meq/L
Phosphate	0.1	mg/L	0.00	meq/L
Sulfate	730	mg/L	15.20	meq/L
Calcium	270	mg/L	13.47	meq/L
Magnesium	88.9	mg/L	7.32	meq/L
Potassium	3.00	mg/L	0.08	meq/L
Sodium	250	mg/L	10.88	meq/L
Cations			31.74	meq/L
Anions			31.71	meq/L
Cation/Anion Difference			0.10%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **White GC #1 Blow Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	PW 1 @ GW (4')	Date Reported:	04-17-98
Laboratory Number:	D108	Date Sampled:	04-16-98
Chain of Custody:	5743	Date Received:	04-16-98
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	04-17-98
Condition:	Cool & Intact		

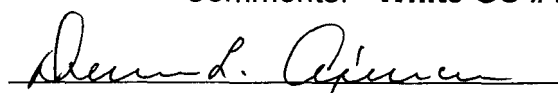
Parameter	Analytical Result	Units	Units
pH	7.23	s.u.	
Conductivity @ 25° C	1,700	umhos/cm	
Total Dissolved Solids @ 180C	840	mg/L	
Total Dissolved Solids (Calc)	826	mg/L	
SAR	0.1	ratio	
Total Alkalinity as CaCO3	450	mg/L	
Total Hardness as CaCO3	700	mg/L	
Bicarbonate as HCO3	450	mg/L	7.38 meq/L
Carbonate as CO3	<1	mg/L	0.00 meq/L
Hydroxide as OH	<1	mg/L	0.00 meq/L
Nitrate Nitrogen	0.1	mg/L	0.00 meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00 meq/L
Chloride	136	mg/L	3.84 meq/L
Fluoride	1.54	mg/L	0.08 meq/L
Phosphate	1.0	mg/L	0.03 meq/L
Sulfate	147.0	mg/L	3.06 meq/L
Calcium	216	mg/L	10.78 meq/L
Magnesium	39.1	mg/L	3.22 meq/L
Potassium	7.50	mg/L	0.19 meq/L
Sodium	4.6	mg/L	0.20 meq/L
Cations			14.39 meq/L
Anions			14.39 meq/L

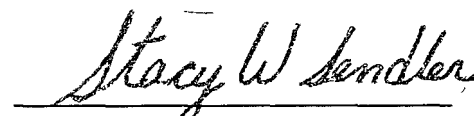
Cation/Anion Difference

0.01%

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **White GC #1 Blow Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client: Blagg / AMOCO
Sample ID: DGTH - GW (4')
Laboratory Number: D170
Chain of Custody: 5754
Sample Matrix: Water
Preservative: Cool
Condition: Cool & Intact

Project #: 04034-10
Date Reported: 04-30-98
Date Sampled: 04-24-98
Date Received: 04-24-98
Date Extracted: NA
Date Analyzed: 04-28-98

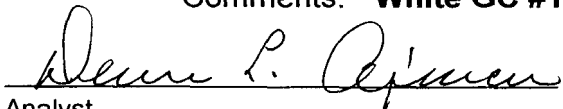
Parameter	Analytical Result	Units	Units
pH	7.21	s.u.	
Conductivity @ 25° C	2,172	umhos/cm	
Total Dissolved Solids @ 180C	1,040	mg/L	
Total Dissolved Solids (Calc)	1,025	mg/L	
SAR	1.7	ratio	
Total Alkalinity as CaCO3	394	mg/L	
Total Hardness as CaCO3	632	mg/L	
Bicarbonate as HCO3	394	mg/L	6.46 meq/L
Carbonate as CO3	<1	mg/L	0.00 meq/L
Hydroxide as OH	<1	mg/L	0.00 meq/L
Nitrate Nitrogen	0.5	mg/L	0.01 meq/L
Nitrite Nitrogen	0.004	mg/L	0.00 meq/L
Chloride	118	mg/L	3.33 meq/L
Fluoride	1.06	mg/L	0.06 meq/L
Phosphate	0.2	mg/L	0.01 meq/L
Sulfate	339	mg/L	7.06 meq/L
Calcium	186	mg/L	9.30 meq/L
Magnesium	40.5	mg/L	3.34 meq/L
Potassium	4.6	mg/L	0.12 meq/L
Sodium	95.6	mg/L	4.16 meq/L
Cations			16.91 meq/L
Anions			16.91 meq/L

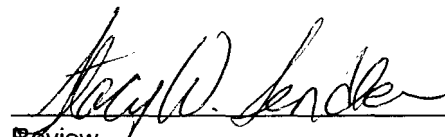
Cation/Anion Difference

0.01%

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: White GC #1 Blow Pit.


Analyst


Review