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

Form C-144
June 1, 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 ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator BP America Production Company Telephone. (505)326-9200 e-mail address
Address 200 Energy Ct, Farmington, NM 87401
Facility or well name CALLOW #1E API #: 30045 24295 U/L or Qtr/Qtr L Sec 28 T 29 N R 13 W
County San Juan Latitude Longitude NAD 1927 ☐ 1983 ☒
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume. ____bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not N/A

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)	

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 your 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

See Attached Documentation

RCVD JUN8'07
OIL CONS. DIV.
DIST. 3

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 11/01/2005
Printed Name/Title Jeffrey C. Blagg, Agent Signature Jeffrey C. 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
Printed Name/Title Deputy Oil & Gas Inspector, District #3 Signature Date AUG 10 2007

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: B0924
C.O.C NO: 8892

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: CALLOW WELL #: 11E PIT: SEP.
QUAD/UNIT: L SEC: 28 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1620'S/940'W NW/SW CONTRACTOR: FLINT

DATE STARTED: 1/16/02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 19 FT. x 20 FT. x 3 FT DEEP CUBIC YARDAGE: 40
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: DILUTED/AERATED
LAND USE: RANGE - BLM LEASE: NM 0468126 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. N18W FROM WELLHEAD
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE
✓ PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. 52.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 7:10 (am)/pm DATE: 1/16/02

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: MED. GRAY TO BLACK BEDROCK - LT. GRAY
COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / (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 / (MOIST) / WET / (SATURATED) / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - ENTIRE TEST HOLE INTERVAL
HC ODOR DETECTED: (YES) / NO EXPLANATION - TEST HOLE/PIT AREA & OVM SAMPLE
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: PARAFFIN TYPE SOLIDS & FLUIDS NEAR PIT DEPRESSION SURFACE, BEDROCK - FRIABLE; VERY HARD @ PIT BOTTOM, INSTRUCTED OPERATOR TO EXCAVATE PIT AREA DOWN TO 5 FT. BELOW GRADE, THEN DILUTE/AERATE & PLACE BACK INTO EXCAVATION.

BEDROCK BOTTOM

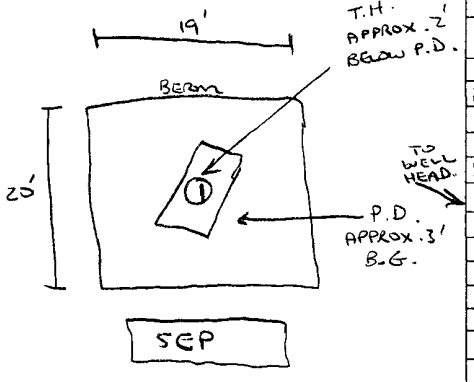
CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm

SCALE
0 FT

PIT PERIMETER



PD = PIT DEPRESSION; B.G. = BELOW GRADE
TH = TEST HOLE

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	208.5
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(1) @ 5'	TPH (8015B)	0855
"	BTEX (8021B)	"
	BOTH PASSED	

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 1/15/02 - AFTER. ONSITE: 1/16/02 - MORN.

revised: 08/17/01

bei1005A skd

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 @ 5'	Date Reported:	01-18-02
Laboratory Number:	21826	Date Sampled:	01-16-02
Chain of Custody No:	8892	Date Received:	01-16-02
Sample Matrix:	Soil	Date Extracted:	01-17-02
Preservative:	Cool	Date Analyzed:	01-17-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**138**	**0.2**
Diesel Range (C10 - C28)	**550**	**0.1**
Total Petroleum Hydrocarbons	**690**	**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: **Callow #11E Separator Pit Grab Sample.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	01-17-02
Laboratory Number:	21826	Date Sampled:	01-16-02
Chain of Custody:	8892	Date Received:	01-16-02
Sample Matrix:	Soil	Date Analyzed:	01-17-02
Preservative:	Cool	Date Extracted:	01-17-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**340**	**1.8**
Toluene	**251**	**1.7**
Ethylbenzene	**105**	**1.5**
p,m-Xylene	**724**	**2.2**
o-Xylene	**230**	**1.0**
Total BTEX	**1,650**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	Bromochlorobenzene	**99 %**

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: **Callow #11E Separator Pit Grab Sample.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

80924

District I
P.O. Box 1980, Hobbs, NM
District II
P O Drawer DD, Artesia, NM
District III
1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: CALLOW #11E

Location: Unit or Qtr/Qtr Sec L Sec 28 T 29N R 13W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other BLOW

Land Type: BLM ✓, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)	Pit dimensions: length ___, width ___, depth ___	
	Reference: wellhead X, other ___	
	Footage from reference: 105'	
	Direction from reference: 73 Degrees ___ East North ✓ of ✓ West South ___	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) 0
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) 0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) 0
	RANKING SCORE (TOTAL POINTS):	0

B0924 BLOW PIT

Date Remediation Started: _____ Date Completed: 1/18/02

Remediation Method: (Check all appropriate sections)
Excavation ✓ Approx. cubic yards 30
Landfarmed ____ Insitu Bioremediation _____
Other DILUTED & AERATED

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)
Onsite ____ Offsite _____

General Description of Remedial Action: Excavation. BEDROCK BOTTOM. SOIL PLACED BACK INTO PIT AREA.

Groundwater Encountered: No ✓ Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 5' (TEST HOLE BOTTOM)

Sample date 1/16/02 Sample time 0845

Sample Results

Soil: Benzene	(ppm) 0.860	Water: Benzene	(ppb) _____
Total BTEX	(ppm) 6.320	Toluene	(ppb) _____
Field Headspace	(ppm) 373	Ethylbenzene	(ppb) _____
TPH	(ppm) 2,660	Total Xylenes	(ppb) _____

Groundwater Sample: Yes _____ No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 1/18/02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

revised: 03/12/01 bci1200.wpd

80924

District I
P.O Box 1980, Hobbs, NM
District II
P O Drawer DD, Artesia, NM
District III
1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: CALLOW #11E

Location: Unit or Qtr/Qtr Sec L Sec 28 T 29N R 13W County SAN JUAN

Pit Type: Separator ___ Dehydrator ✓ Other ___

Land Type: BLM ✓, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length 20', width 18', depth 7'

Reference: wellhead X, other ___

Footage from reference: 105'

Direction from reference: 64 Degrees ✓ East North ✓ of ___ West South ___

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
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)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
		RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started: _____ Date Completed: 1/18/02

Remediation Method: (Check all appropriate sections)
Excavation ✓ Approx. cubic yards 90
Landfarmed ____ Insitu Bioremediation ____
Other DILUTED & AERATED

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)
Onsite ✓ Offsite ____

General Description of Remedial Action: Excavation. BEDROCK BOTTOM. SOIL PLACED BACK INTO PIT AREA.

Groundwater Encountered: No ✓ Yes ____ Depth ____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 10' (TEST HOLE BOTTOM)

Sample date 1/16/02 Sample time 0850

Sample Results

Soil: Benzene	(ppm) 0.349	Water: Benzene	(ppb) ____
Total BTEX	(ppm) 5.150	Toluene	(ppb) ____
Field Headspace	(ppm) 318	Ethylbenzene	(ppb) ____
TPH	(ppm) 1,400	Total Xylenes	(ppb) ____

Groundwater Sample: Yes ____ No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 1/18/02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

60924

District I
P.O Box 1980, Hobbs, NM
District II
P O Drawer DD, Artesia, NM
District III
1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: CALLOW #1E

Location: Unit or Qtr/Qtr Sec L Sec 28 T 29N R 13W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other PRODUCTION TANK

Land Type: BLM ✓, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)	**Pit dimensions:** length 11', width 11', depth 3'		
	Reference: wellhead X, other ___		
	Footage from reference: 132'		
	Direction from reference: 87 Degrees ___ East ___ North of ✓ West ✓ South		
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
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)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
	RANKING SCORE (TOTAL POINTS):		0

B0924 PROD. TANK PIT

Date Remediation Started: _____ Date Completed: 1/18/02

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 10

Landfarmed ____ Insitu Bioremediation _____

Other DILUTED & AERATED

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite ✓ Offsite _____

General Description of Remedial Action: Excavation. BEDROCK BOTTOM. SOIL PLACED BACK INTO PIT AREA.

Groundwater Encountered: No ✓ Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 2' (TOP OF BEDROCK IN TEST HOLE)

Sample date 1/16/02 Sample time 0840

Sample Results

Soil: Benzene (ppm) 1.040 Water: Benzene (ppb) _____

Total BTEX (ppm) 6.580 Toluene (ppb) _____

Field Headspace (ppm) 196.7 Ethylbenzene (ppb) _____

TPH (ppm) 3,450 Total Xylenes (ppb) _____

Groundwater Sample: Yes _____ No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 1/18/02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

revised: 03/12/01 bei1200.wpd

80924

District I
P.O Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
District III
1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: CALLOW #11E

Location: Unit or Qtr/Qtr Sec L Sec 28 T 29N R 13W County SAN JUAN

Pit Type: Separator ✓ Dehydrator ___ Other ___

Land Type: BLM ✓, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length 19', width 20', depth 3'

Reference: wellhead X, other ___

Footage from reference: 75'

Direction from reference: 18 Degrees ___ East North ✓ of ✓ West South ___

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
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)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
		RANKING SCORE (TOTAL POINTS):	0

B0924 SEP. PIT

Date Remediation Started: _____ Date Completed: 1/18/02

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 40

Landfarmed ____ Insitu Bioremediation _____

Other DILUTED & AERATED

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite ✓ Offsite _____

General Description of Remedial Action: Excavation. BEDROCK BOTTOM - SOIL PLACED BACK INTO EXCAVATION.

Groundwater Encountered: No ✓ Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 5' (TEST HOLE BOTTOM)

Sample date 1/16/02 Sample time 0855

Sample Results

Soil: Benzene	(ppm) 0.340	Water: Benzene	(ppb) _____
Total BTEX	(ppm) 1.650	Toluene	(ppb) _____
Field Headspace	(ppm) 208.5	Ethylbenzene	(ppb) _____
TPH	(ppm) 690	Total Xylenes	(ppb) _____

Groundwater Sample: Yes _____ No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 1/18/02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

CHAIN OF CUSTODY RECORD

08892

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/BP	CALLOW #11E	

Sampler:	Client No.
NJV	74034-010

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015B)	BTEX (8021B)					Remarks
												ALL SAMPLES GRAB & PRESERVED COOL
① @ 2'	1/16/02	0840	21823	SOIL	1	✓	✓					PRODUCTION TANK PIT
① @ 5'	1/16/02	0845	21824	SOIL	1	✓	✓					BLOW PIT
① @ 10'	1/16/02	0850	21825	SOIL	1	✓	✓					DEHYDRATOR PIT
① @ 5'	1/16/02	0855	21826	SOIL	1	✓	✓					SEPARATOR PIT

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	1/16/02	1005	[signature]	1-16-02	1005
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-17-TPH QA/QC	Date Reported:	01-17-02
Laboratory Number:	21810	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-17-02
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	01-07-02	2.5028E-002	2.5003E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	01-07-02	1.2696E-002	1.2671E-002	**0.20%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**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%**

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 21810 - 21811 and 21823 - 21827.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	01-17-BTEX QA/QC	Date Reported:	01-17-02
Laboratory Number:	21810	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-17-02
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.7143E-001	1.7195E-001	0.3%	ND	0.2
Toluene	9 4693E-002	9.4883E-002	0.2%	ND	0.2
Ethylbenzene	1.2284E-001	1.2321E-001	0.3%	ND	0.2
p,m-Xylene	1.0810E-001	1.0843E-001	0.3%	ND	0.2
o-Xylene	9 2106E-002	9 2290E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	100	100.0%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

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: **QA/QC for samples 21810 - 21811 and 21823 - 21827.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865