

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

Form C-144
March 12, 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

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: Dugan Production Corp. Telephone: 505-325-1821 e-mail address: Marty.Fantz@DuganProduction.com
Address: P.O. Box 420 Farmington N.M. 87499
Facility or well name: Poles Paradise 91 API #: 30-045-3759 U/L or Qtr/Qtr P Sec 8 T 30N R 14W
County: San Juan Co. Latitude 36° 32' 41.61 Longitude 108° 32' 63.8" NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume
bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

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)

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)

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)

1000 feet or more

(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:

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: 9-2-04

Printed Name/Title: Marty Fantz, Production Manager

Signature: [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.

Approval: OCT 26 2004

Date: _____

Printed Name/Title: DEPUTY OIL & GAS INSPECTOR, DIST. 8

Signature: [Signature]

bei1005C.skf

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

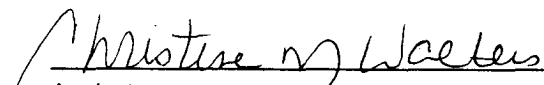
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Poles Paradise 91	Date Reported:	07-16-04
Laboratory Number:	29557	Date Sampled:	07-14-04
Chain of Custody No:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Extracted:	07-15-04
Preservative:	Cool	Date Analyzed:	07-16-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

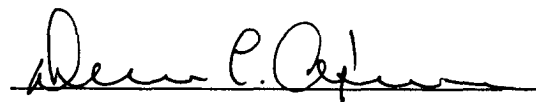
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	10.5	0.2
Diesel Range (C10 - C28)	46.5	0.1
Total Petroleum Hydrocarbons	57.0	0.2

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: **Reserve Pits.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Poles Paradise 91	Date Reported:	07-16-04
Laboratory Number:	29557	Date Sampled:	07-14-04
Chain of Custody:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Analyzed:	07-16-04
Preservative:	Cool	Date Extracted:	07-15-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	65.9	1.7
Ethylbenzene	12.5	1.5
p,m-Xylene	42.3	2.2
o-Xylene	13.8	1.0
Total BTEX	135	

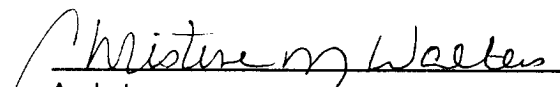
ND - Parameter not detected at the stated detection limit.

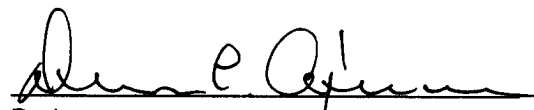
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Reserve Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

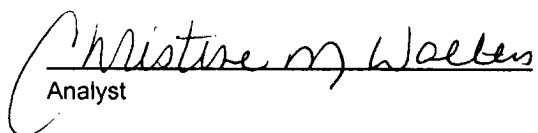
EC, SAR, ESP, CI Analysis

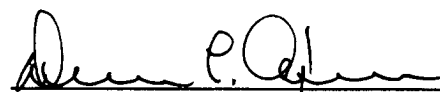
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Poles Paradise 91	Date Reported:	07-16-04
Laboratory Number:	29557	Date Sampled:	07-14-04
Chain of Custody:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Extracted:	07-15-04
Preservative:	Cool	Date Analyzed:	07-16-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	2.410	mmhos/cm
Calcium	33.6	mg/Kg
Magnesium	3.42	mg/Kg
Sodium	102	mg/Kg
Sodium Absorption Ratio (SAR)	4.5	ratio
Exchangeable Sodium Percent (ESP)	5.0	percent
Chloride	918	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: Reserve Pit, 4 - Point Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Poles Paradise 91	Date Reported:	07-19-04
Laboratory Number:	29557	Date Sampled:	07-14-04
Chain of Custody:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Analyzed:	07-19-04
Preservative:	Cool	Date Digested:	07-16-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.003	0.001	5.0
Barium	0.187	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

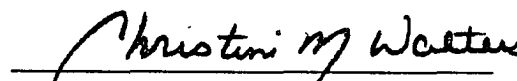
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: **Reserve Pit 4-Point Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

11686

Client / Project Name		Project Location		ANALYSIS / PARAMETERS										
BLAGG / DUGAN		RESERVE PIT												
Sampler:		Client No.												
9 C. Blagg		94034-010												
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH	GC/5	BTEX	GC/5	8 PCBs	Chloride	EC, ESP	SAR	Remarks
CAMP DAVID COM 18	7-14-04	1200	29554	SOLID	1	X	X	X	X	X	X	X	X	4-Point Composite
POLES PARADISE 90	"	1305	29555	"	1	X	X	X	X	X	X	X	X	"
NICE COM 90	"	1320	29556	"	1	X	X	X	X	X	X	X	X	"
POLES PARADISE 91	"	1355	29557	"	1	X	X	X	X	X	X	X	X	"
SLV SLAV COM 90S	"	1420	29558	"	1	X	X	X	X	X	X	X	X	"
SLV SLAV COM 90	"	1440	29559	"	1	X	X	X	X	X	X	X	X	"
SLV SLAV COM 38	"	1450	29560	"	1	X	X	X	X	X	X	X	X	"
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time				
[Signature]		7/15/04		0931		[Signature]		7/15/04		9:31				
Relinquished by: (Signature)						Received by: (Signature)								
[Signature]														
Relinquished by: (Signature)						Received by: (Signature)								
[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