

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

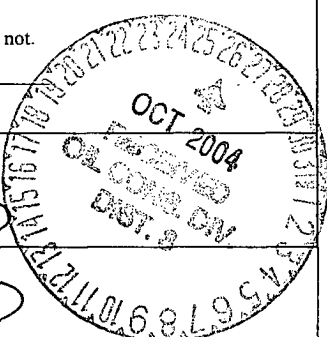
Form C-144
March 12, 2004

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: <u>Dugan Production Corp.</u> Telephone: <u>505-325-1821</u> e-mail address: <u>Marty Foutz @ Dugan Production Corp.</u>		
Address: <u>P.O. Box 420 Farmington N.M. 87499</u>		
Facility or well name: <u>SLY Slav Com 90</u> API #: <u>30-045-31944</u> U/L or Qtr/Qtr <u>A</u> Sec <u>13</u> T <u>30N</u> R <u>15W</u>		
County: <u>San Juan Co</u> Latitude <u>36° 81' 80.5"</u> Longitude <u>108° 35' 05.5"</u> NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> 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) <u>100 feet or more</u> (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) <u>No</u> (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) <u>1000 feet or more</u> (0 points)	
Ranking Score (Total Points) <u>0</u>		

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: 6-7-04

Printed Name/Title: MARTY FOUTZ Production Foreman

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. 2

Signature: [Signature]

CLIENT: <u>DUGAN</u> <u>PROD. CORP.</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ COCR NO: <u>11686</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>SLY SLAV COM</u> WELL #: <u>90</u> TYPE: <u>RESERVE</u> QUAD/UNIT: <u>A</u> SEC: <u>13</u> TWP: <u>30N</u> RNG: <u>15 W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: _____	PAGE No: <u>1</u> of <u>1</u> DATE STARTED: <u>7-14-04</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0
 DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____
 LAND USE: RANGE LEASE: FEE FORMATION: _____

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 27 FT. N52W FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
 NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = _____ ppm
 OVM CALIB. GAS = _____ ppm RF = 0.52
 TIME: _____ am/pm DATE: _____

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____
 SOIL COLOR: _____
 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 - _____
 HC ODOR DETECTED: YES / NO EXPLANATION - _____
 SAMPLE TYPE: GRAB COMPOSITE # OF PTS. 4
 ADDITIONAL COMMENTS: PVC LINED DRILLING RESERVE PIT. LIQUIDS REMOVED
COLLECT 4 POINT COMPOSITE SAMPLE OF MUD.
75' x 12' x 6' DEEP

SCALE

0 FT

PIT PERIMETER

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1	
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
4-Pt	TPH-BTBx	1440
	B RCRA	
	CL	
	EC-ESP-SAR	

PIT PROFILE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
 T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES: _____ CALLOUT: _____

ONSITE: 7-14-04

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

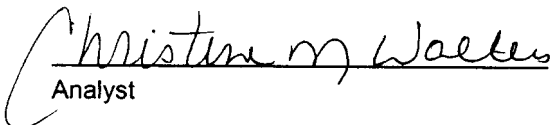
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Sly Slav Com 90	Date Reported:	07-16-04
Laboratory Number:	29559	Date Sampled:	07-14-04
Chain of Custody No:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Extracted:	07-15-04
Preservative:	Cool	Date Analyzed:	07-16-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

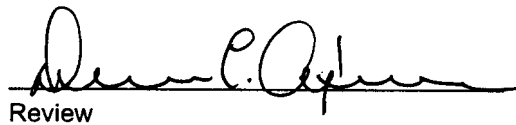
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	26.2	0.2
Diesel Range (C10 - C28)	76.8	0.1
Total Petroleum Hydrocarbons	103	0.2

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:	Sly Slav Com 90	Date Reported:	07-16-04
Laboratory Number:	29559	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	14.3	1.7
Ethylbenzene	22.1	1.5
p,m-Xylene	39.7	2.2
o-Xylene	9.4	1.0
Total BTEX	85.5	

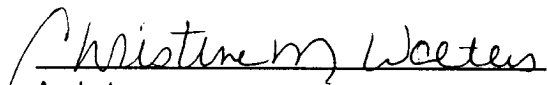
ND - Parameter not detected at the stated detection limit.

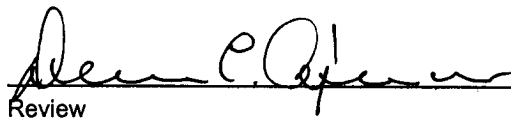
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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

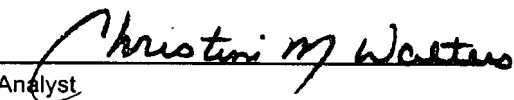
EC, SAR, ESP, CI Analysis

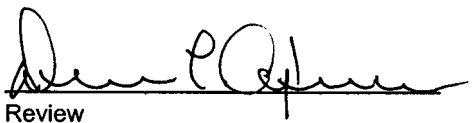
Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	Sly Slav Com 90	Date Reported:	07-16-04
Laboratory Number:	29559	Date Sampled:	07-14-04
Chain of Custody:	11686	Date Received:	07-15-04
Sample Matrix:	Soil	Date Extracted:	07-15-04
Preservative:	Cool	Date Analyzed:	07-16-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	1.530	mmhos/cm
Calcium	100	mg/Kg
Magnesium	38.0	mg/Kg
Sodium	995	mg/Kg
Sodium Absorption Ratio (SAR)	21.4	ratio
Exchangeable Sodium Percent (ESP)	23.2	percent
Chloride	348	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:	Sly Slav Com 90	Date Reported:	07-19-04
Laboratory Number:	29559	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	0.005	0.001	5.0
Barium	0.211	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	0.004	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

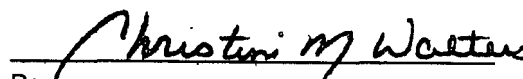
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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		Client No.		Sample Matrix		Containers		TTH		GTEX		BCEA		CHLORIDE		FC, ESP, SAR		Remarks	
Sampler: J.C. Blagg		94034-010		Lab Number		Sample Time		No. of		GTEX		BCEA		CHLORIDE		FC, ESP, SAR					
CAMP DAVID COM 18	7-14-04	1200	29554	SOLID	1	X	X	X	X	X	X	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	X	X	X	X	X	X	"	
NICE COM 90	"	1320	29556	"	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	"	
POLES PARADISE 91	"	1355	29557	"	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	"	
SLV SLAV COM 90S	"	1420	29558	"	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	"	
SLV SLAV COM 90	"	1440	29559	"	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	"	
SLV SLAV COM 38	"	1450	29560	"	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	"	
Relinquished by: (Signature)		7/15/04		Time		Date		Received by: (Signature)		Time		Date		Time		Date		Time		Date	
Relinquished by: (Signature)		7/15/04		0931		0931		Received by: (Signature)		0931		0931		0931		0931		0931		0931	
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																					