

Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
Dugan Production Corp.

3a. Address

PO Box 420 Farmington, NM 87499

3b. Phone No. (include area code)

505-325-1821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL 660' FWL Sec 26, T24N, R10W (SW/4 SW/4) Unit M

5. Lease Serial No.  
NM 78060

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
St. Moritz # 19. API Well No.  
30-045-2858400S110. Field and Pool or Exploratory Area  
Bisti Gallup, South11. Country or Parish, State  
San Juan, New Mexico

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>LANDFARM CLOSURE</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Land Farm on location has been remediated and has passed all required soil testing and remediation is complete. The testing and remediation was carried out by DPC and Blagg Engineering Inc. The analytical data and information was generated using specified and selected methods for determinatin of organic compounds EPA-600/4-79-020, and test methods for evaluating solid wastes, sw846. All Samples were received by Encvirotech Analytical Laboratories in good condition on 06/14/2010. This sundry serves notice that Dugan Production intends to close this land farm and use the remediated soils as needed on the lease. Land farm ( 100 cu yards ) was initiated 03/14/2007.  
See attachments.

RCVD JAN 18 '11  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Rodger Mullins

Title Environmental Manager

Signature

*Rodger v. Mullins*

Date 11/10/2010

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

CLIENT: <u>DUGAN</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: _____
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## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ST. MORITZ</u> WELL #: <u>1</u> PITS: <u>—</u>	DATE STARTED: <u>6-10-2010</u> DATE FINISHED: <u>6-10-2010</u>
QUAD/UNIT: <u>M</u> SEC: <u>26</u> TWP: <u>24N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>
QTR/FOOTAGE: <u>SW/SW</u> CONTRACTOR: <u>—</u>	

### SOIL REMEDIATION:

REMEDICATION SYSTEM: NA APPROX. CUBIC YARDAGE: —  
 LAND USE: RANGE LIFT DEPTH (ft): —

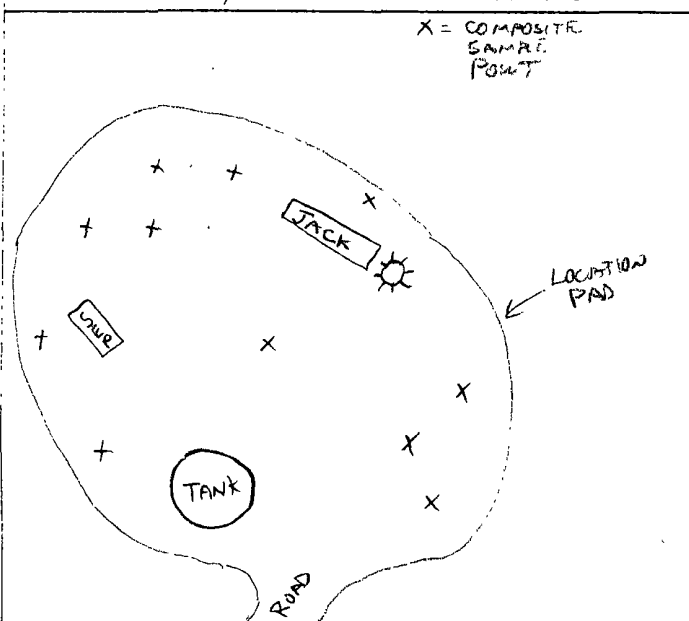
FIELD NOTES & REMARKS:	NMDCD RANKING SCORE: <u>10</u>	NMDCD TPH CLOSURE STD: <u>1000</u> PPM
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;100</u> NEAREST SURFACE WATER: <u>&gt;200</u>		

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: \_\_\_\_\_  
 SAMPLING DEPTHS (LANDFARMS): 2-6" (INCHES)  
 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 10  
 ADDITIONAL COMMENTS: NO LANDFARM EVIDENT. SAMPLE ENTIRE LOCATION

### FIELD 418.1 CALCULATIONS

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

### SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. \_\_\_\_\_ ppm  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: \_\_\_\_\_ am/pm DATE: \_\_\_\_\_

### OVM RESULTS LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
		10-PT	TPH	0830	
			BTEX		

### SCALE



TRAVEL NOTES: CALLOUT: _____	ONSITE: <u>6/10/2010</u>
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09675



**envirotech**  
Analytical Laboratory



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**


Client:	Blagg/Dugan	Project #:	94034-0011
Sample ID:	Location 10-pt Comp.	Date Reported:	06-24-10
Laboratory Number:	54732	Date Sampled:	06-10-10
Chain of Custody No:	9675	Date Received:	06-14-10
Sample Matrix:	Soil	Date Extracted:	06-15-10
Preservative:	Cool	Date Analyzed:	06-16-10
Condition:	Intact	Analysis Requested:	8015 TPH

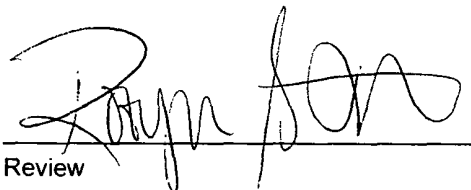
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.0	0.2
Diesel Range (C10 - C28)	19.5	0.1
Total Petroleum Hydrocarbons	20.5	0.2

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: **St. Moritz #1**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



# envirotech

Analytical Laboratory

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/Dugan	Project #:	94034-0011
Sample ID:	Location 10-pt Comp.	Date Reported:	06-24-10
Laboratory Number:	54732	Date Sampled:	06-10-10
Chain of Custody:	9675	Date Received:	06-14-10
Sample Matrix:	Soil	Date Analyzed:	06-16-10
Preservative:	Cool	Date Extracted:	06-15-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.1	0.9
Toluene	5.1	1.0
Ethylbenzene	5.4	1.0
p,m-Xylene	41.2	1.2
o-Xylene	14.5	0.9
Total BTEX	67.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	101 %
	Bromochlorobenzene	106 %

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: St. Moritz #1

Analyst

Review

**EPA Method 8015 Modified  
 Nonhalogenated Volatile Organics  
 Total Petroleum Hydrocarbons**

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	06-16-10 QA/QC	Date Reported:	06-24-10
Laboratory Number:	54700	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-16-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9960E+002	1.0000E+003	0.04%	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	64.9	75.4	16.2%	0 - 30%
Diesel Range C10 - C28	13,800	14,600	5.8%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	64.9	250	298	94.7%	75 - 125%
Diesel Range C10 - C28	13,800	250	17,200	122%	75 - 125%

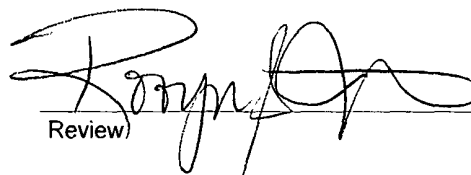
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 54731-54733, 54736-54738, 54700- 54702 and 54754.



Analyst



Review



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## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0616BBL QA/QC	Date Reported:	06-24-10
Laboratory Number:	54753	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-16-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	1-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	1.2597E+006	1.2622E+006	0.2%	ND	0.1
Toluene	1.1556E+006	1.1579E+006	0.2%	ND	0.1
Ethylbenzene	1.0366E+006	1.0387E+006	0.2%	ND	0.1
p,m-Xylene	2.5600E+006	2.5651E+006	0.2%	ND	0.1
o-Xylene	9.3669E+005	9.3857E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	2.4	2.3	4.2%	0 - 30%	0.9
Toluene	60.7	57.7	4.9%	0 - 30%	1.0
Ethylbenzene	172	169	1.9%	0 - 30%	1.0
p,m-Xylene	2,240	2,240	0.0%	0 - 30%	1.2
o-Xylene	570	564	1.1%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.4	50.0	46.3	88.3%	39 - 150
Toluene	60.7	50.0	104	93.7%	46 - 148
Ethylbenzene	172	50.0	206	92.6%	32 - 160
p,m-Xylene	2,240	100	2,330	99.6%	46 - 148
o-Xylene	570	50.0	613	99.0%	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 54700-54702, 54731 and 54732.

Analyst

Review