

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 01 2013

FORM 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.*

5. Lease Serial No.  
NOOC14207312  
6. If Indian, Allottee or Tribe Name  
Farmington Field  
Bureau of Land Management

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Dugan Production Corp.

3a. Address  
P. O. Box 420, Farmington, NM 87499-0420

3b. Phone No. (include area code)  
505-325-1821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
330' FNL & 330' FEL (NE/4, NE/4), Unit A  
Sec. 9, T23N, R10W

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

8. Well Name and No.  
Seoul #88

9. API Well No.  
30-045-26630

10. Field and Pool or Exploratory Area  
Bisti Gallup South

11. Country or Parish, State  
San Juan, NM

**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 Landfarm Closure
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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.)

Landfarm on location has been remediated and has passed all required soil testing and remediation is complete. The testing and remediation was carried out by Dugan Production Corp. and Blagg Engineering Inc. The analytical data and information was generated using specified and selected methods for determination of organic compounds EPA-600/4-79-020, and test methods for evaluating solid wastes, SW846. All samples were received by Hall Environmental Analysis Laboratory in good condition on 5/22/13. This sundry serves notices that Dugan Production Corp. intends to close this landfarm and use the remediated soils as needed on the lease. Landfarm (120 cu yards) was initiated on 7/27/07. See attachments.

RCVD AUG 16 '13  
OIL CONS. DIV.  
DIST. 3

Accepted For Record

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Rodger Mullins

Title Environmental

Signature

*Rodger Mullins*

Date 07/30/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*Mark Kelly*

Title

ENVIRONMENTAL

Date

AUG 14 2013

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

COMPLIANCE TEAM IAD

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)

NMOCDCa

**Analytical Report**

Lab Order 1305877

Date Reported: 5/30/2013

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Blagg Engineering**Client Sample ID:** Seoul #88**Project:** Landfarms**Collection Date:** 5/16/2013 12:22:00 PM**Lab ID:** 1305877-003**Matrix:** SOIL**Received Date:** 5/22/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>					Analyst: <b>JME</b>		
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/23/2013 10:26:47 PM	7560
Surr: DNOP	106	63-147		%REC	1	5/23/2013 10:26:47 PM	7560
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: <b>DAM</b>		
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/24/2013 11:33:17 PM	7561
Surr: BFB	94.6	80-120		%REC	1	5/24/2013 11:33:17 PM	7561
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst: <b>DAM</b>		
Benzene	ND	0.046		mg/Kg	1	5/24/2013 11:33:17 PM	7561
Toluene	ND	0.046		mg/Kg	1	5/24/2013 11:33:17 PM	7561
Ethylbenzene	ND	0.046		mg/Kg	1	5/24/2013 11:33:17 PM	7561
Xylenes, Total	ND	0.092		mg/Kg	1	5/24/2013 11:33:17 PM	7561
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/24/2013 11:33:17 PM	7561
<b>EPA METHOD 300.0: ANIONS</b>					Analyst: <b>JRR</b>		
Chloride	43	7.5		mg/Kg	5	5/23/2013 3:15:31 PM	7593

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	P	Sample pH greater than 2 for VOA and TOC only.	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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

LOCATION: NAME: <u>SEOUL</u>	WELL #: <u>88</u>	PITS: <u>—</u>	DATE STARTED: <u>5/16/2013</u>
QUAD/UNIT: <u>A</u> SEC: <u>9</u> TWP: <u>23N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u>	DATE FINISHED: <u>5/16/2013</u>		
QTR/FOOTAGE: _____	CONTRACTOR: <u>—</u>		
			ENVIRONMENTAL SPECIALIST: <u>JLB</u>

### SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

LAND USE: RANGE

APPROX. CUBIC YARDAGE: 60 ±

LIFT DEPTH (ft): 12"

**FIELD NOTES & REMARKS:**

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 PPM

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >100 NEAREST SURFACE WATER: >100

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): \_\_\_\_\_ (INCHES)

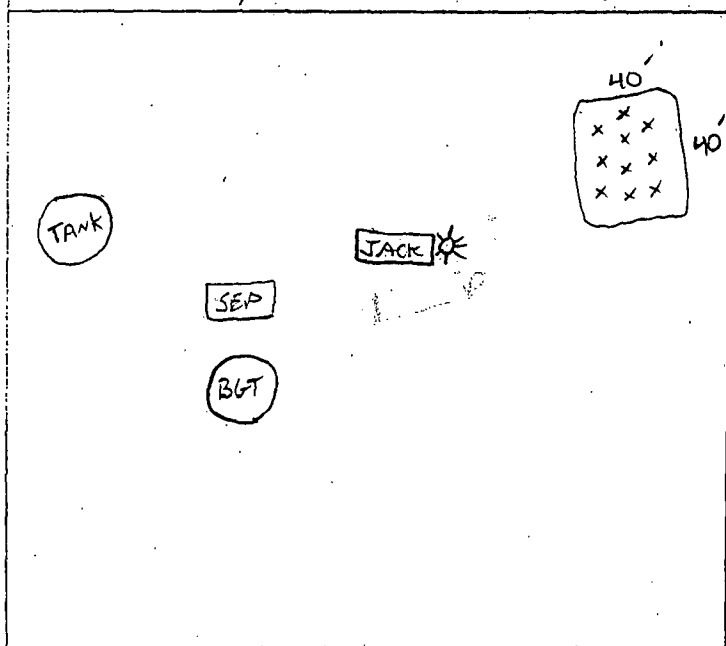
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 10

ADDITIONAL COMMENTS: \_\_\_\_\_

### FIELD 418.1 CALCULATIONS

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

### SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 52.0 ppm  
 OVM CALIB. GAS = 100 ppm / RF = 0.52  
 TIME: 1025 am/pm DATE: 5/16/13

### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
<u>10-pt</u>	<u>0.0</u>	<u>10-pt</u>	<u>TPH</u>	<u>1222</u>	<u>0.0</u>
			<u>BTEX</u>		<u>0.0</u>
			<u>CL-</u>		<u>43</u>

### SCALE



0 FT

TRAVEL NOTES: CALLOUT: \_\_\_\_\_ ONSITE: 5/16/2013

Client: BLAGG ENGINEERING INC.

Mailing Address: P.O. Box 87

Bloomfield NM 87413

Phone #: 505-632-1199

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

## Accreditation

☐ NELAP      ☐ Other

☐ EDD (Type)

**Turn-Around Time:**

☒ Standard      ☐ Rush

Project Name:

## LAND FARMS

Project #:

**Project Manager:**

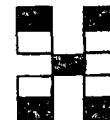
J. BLA66

Sampler: J. Beale

Office

### Sample Temperature

Date: 3/21/13	Time: 1025	Relinquished by: P. J. / S. J. J.	Received by: Christopher W. J.	Date 5/21/13	Time 1025	Remarks: Bill Blagg
Date: 5/21/13	Time: 1748	Relinquished by: P. J. / S. J. J.	Received by: P. J. / S. J. J.	Date 05/02/13	Time 1000	



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Te|. 505-345-3975 Fax 505-345-4107

## Analysis Request

	X	X	X	X	X	BTEX + MTBE + TMB's (8021)
						BTEX + MTBE + TPH (Gas only)
	X	X	X	X	X	TPH 8015B (GRO / DRO / MBO)
						TPH (Method 418.1)
						EDB (Method 504.1)
						PAH's (8310 or 8270 SIMS)
						RCRA 8 Metals
						Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
						8081 Pesticides / 8082 PCB's
						8260B (VOA)
						8270 (Semi-VOA)
	X	X	X	X	X	CHLORIDE

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.