District l 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

Santa Fe, NM 87505

Oil Conservation Division For drilling and production facilities, submit to 1220 South St. Francis Dr.

For drilling and production facilities, submit to 1220 South St. Francis Dr. 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 \(\subseteq\) Closure of a pit or below-grade tank \(\subseteq\) Dugan Production Corporation Telephone: (505)325-1821 e-mail address: Operator: P.O. Box 420, Farmington, New Mexico 87401 Address: API #: 30-045-09138 U/L or Qtr/Qtr N Sec 28 T 30N R 13W Facility or well name: Federal B No. 2 County: San Juan Latitude 36.77957 Longitude 108.21176 NAD: 1927 | 1983 | Surface Owner Federal State Private Indian Pit Below-grade tank Type: Drilling | Production | Disposal | Volume: ___ bbl Type of fluid: Workover ☐ Emergency ☐ Construction material: Double-walled, with leak detection? Yes \square If not, explain why not. Lined Unlined X Liner type: Synthetic Thickness ____mil Clay Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more 0 (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 No (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 0 Ranking Score (Total Points) 0 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: NONE onsite offsite from 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 _____. 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: Date:

Form C-144 March 12, 2004

CLIENT: DU	16AN E	BLAG P.O. BOX		NEERING	•	LOC.	ATION NO:	
OLILIAI.			505) 632		, 14101 07 -		R NO:	
FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: _ of _								
LOCATION: NAM	E: FEDER	LAC B	WELL #:	(TYPE:	SEP	 !	- 2	124/04
QUAD/UNIT: N	SEC: 28 T	MP: 30N RNG:	13W PM:N	M CNTY: SJ	ST: NM		FINISHED: E	124/54
QTR/FOOTAGE:	QTR/FOOTAGE: 890 FSL × Z340 FWL CONTRACTOR: L+R SPECIALIST: FCB				FCB			
EXCAVATION	EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE:							
DISPOSAL FACILI	TY:	NA		REMEDIA	TION METH	op: 🚄	Juse As	<i>(</i> S
LAND USE: RA	NGE		LEASE: <u>S</u>	-0782	14	FORMATI	on: <u>D</u>	K
FIELD NOTES	& REMARK	S: PIT LOCA	ATED APPROX	IMATELY 42	FT	N 78E	- FROM V	VELLHEAD.
DEPTH TO GROUNDW	ATER: >(00	NEAREST WA	TER SOURCE:	>1000	_ NEAREST S	URFACE WAT	ER: _>/ <i>©</i>)W
NMOCD RANKING SCO	DRE:	_ NMOCD TPH C	CLOSURE STD: _	SOOD PP	м			
SOIL AND EX	CAVATION	DESCRIPTI	ION·		OVM CALIB.			
OOIL AND EX	OAVAIION	·	<u> </u>		OVM CALIB.			$\frac{RF = 0.52}{27 - 74}$
SOIL TYPE: SAND	/ SILTY SAND	/ SILT / SILTY C	CLAY / CLAY /	GRAVEL / OTHE				ane
SOIL COLOR:	ORANG	E TAN						
COHESION (ALL OTHE CONSISTENCY (NON					COHESIVE			
PLASTICITY (CLAYS):					/ HIGHLY PLAST	ric		
DENSITY (COHESIVE								1
MOISTURE: DRY / SL DISCOLORATION/STA					Sweak	10-		ŀ
HC ODOR DETECTED	YES NO EXP	LANATION	WDEKATE	HONY BLACK	O) NEAR			
SAMPLE TYPE: GRAI	COMPOSITE -			9'x 3' ±	DOOD F	OTHE.	P 1	z :1+
ADDITIONAL COMMEN	IIS:			ÉDRACK SA.				
·			ک حمل	andstone Suf	èce to obl			
SCALE			T	LD 418.1 CALC		l		
	SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
0 FT								
PITP	ERIMETE	R	<u> </u>	1		PITE	ROFIL	E
				VM				Fill moderne
	۹′			DING	_			unferte
	4		SAMPLE	FIELD HEADSPACE (ppm)				Fill
1)	1	1@(3)	166	-			/
			3 @		_			/ 1
			4 @ 5 @		-	_		V
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	اسرا						, ,	
	\ <i>J</i>			AMPLES		BODLU	ck	
(m) .		(1) 03 TP	HALYSIS TIME	5	Bodru Sands	JUNE	1
well		`		/	7	<u> - ب</u>	-	1
P.D. = PIT DEPRESSION	N; B.G. = BELOW (3RADE: B = BFI OW						Ì
T.H. = TEST HOLE; ~ = .					1			
TRAVEL NOTES: CALLOUT: ONSITE: 8/24/04								



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	1 @ 3'	Date Reported:	08-27-04
Laboratory Number:	30221	Date Sampled:	08-24-04
Chain of Custody No:	12851	Date Received:	08-25-04
Sample Matrix:	Soil	Date Extracted:	08-25-04
Preservative:	Cool	Date Analyzed:	08-27-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	204	0.2
Diesel Range (C10 - C28)	860	0.1
Total Petroleum Hydrocarbons	1,060	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:

Federal B #1 Sep. Pit.

Analyst C. Officer

Mistine Mullers Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Dugan	Project #:	94034-010
Sample ID:	1 @ 3'	Date Reported:	08-27-04
Laboratory Number:	30221	Date Sampled:	08-24-04
Chain of Custody:	12851	Date Received:	08-25-04
Sample Matrix:	Soil	Date Analyzed:	08-27-04
Preservative:	Cool	Date Extracted:	08-25-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	305	1.8	
Toluene	536	1.7	
Ethylbenzene	223	1.5	
p,m-Xylene	1,080	2.2	
o-Xylene	522	1.0	
Total BTEX	2,670		

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:

Federal B #1 Sep. Pit.

Analyst

NWWe M Walley Review