

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  
June 1, 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 ☐

(WFS CLOSURE)

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: DUGAN PRODUCTION CORP

Telephone:

e-mail address:

Address: PO BOX 420 FARMINGTON, NM 87499

Facility or well name: CON HALE #003J

API #: 30-045-25710

U/L or Qtr/Qtr H SEC 26 T 26N R 8W

County: SAN JUAN

Latitude

Longitude

NAD: 1927 ☒ 1983 ☐

Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner Type: Synthetic ☒ Thickness mil Clay ☐

Pit Volume 77 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  
50 feet or more, but less than 100 feet  
100 feet or more

(20 points)  
(10 points)  
(0 points)

0

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes  
No

(20 points)  
(0 points)

0

Distance to surface water: (Horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet  
200 feet to 1,000 feet  
Greater than 1,000 feet

(20 points)  
(10 points)  
(0 points)

0

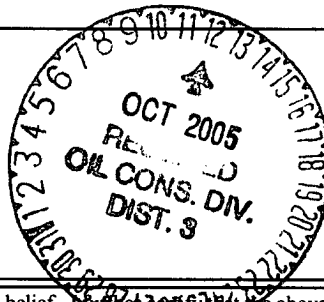
**Ranking Score (TOTAL POINTS):**

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: (check the onsite box if you are burying in place) 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.

Additional Comments:

Meter: 39515



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I have read and understand 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: 9/18/05

Printed Name/Title Mark Harvey for Williams Field Services

Signature Mark Harvey

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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature Genny Faint

OCT 12 2005  
Date:

# ADDENDUM TO OCD FORM C-144

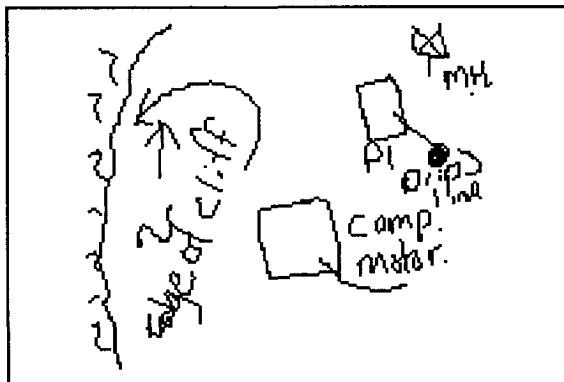
Operator: DUGAN PRODUCTION CORP

API 30-045-25710

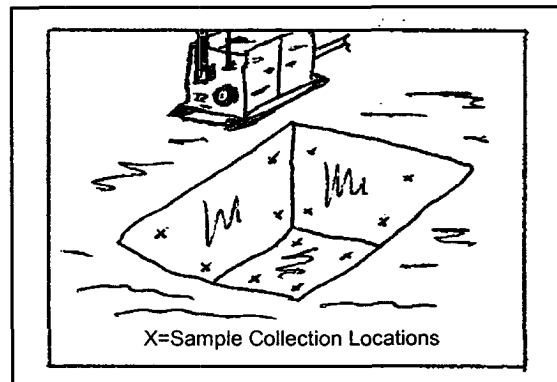
Well Name: CON HALE #003J

Meter: 39515

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 3 Ft.

Location of Pit Center

Latitude 36.46244

Longitude -107.64586

(NAD 1927)

Pit ID

395151

Pit Type

Other

Date Closure Started: 9/2/04

Date Closure Completed: 9/2/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 27

Vertical Extent of Equipment Reached ? ☐

**Description Of Closure Action:**

Contaminated soil was removed and treated then returned to the excavation following sampling of the walls and floor.

BEDROCK limited vertical excavation and/or prevented sampling. This condition limits deleterious environmental effects.

**Pit Closure Sampling:**

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth
102802SEP04	9/2/04		0.16	0	150	EX Confirm	Walls	3
104002SEP04	9/2/04		20.4	0	1700	EX Confirm	Flr	4
115309MAR04	3/9/04		108	0	2200	ASSESS	Flr	3

Lab Project Number: 6080365

Client Project ID: N.M. Pit Program/Spring 2004

Lab Sample No: 606913978  
Client Sample ID: 115309MAR04

Project Sample Number: 6080365-021  
Matrix: Soil

Date Collected: 03/09/04 11:53  
Date Received: 03/16/04 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

### GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	60.		6.0 03/20/04 05:17 RMN1				
Jet Fuel	ND	mg/kg	60.		6.0 03/20/04 05:17 RMN1				
Kerosene	ND	mg/kg	60.		6.0 03/20/04 05:17 RMN1				
Diesel Fuel	2200	mg/kg	60.		6.0 03/20/04 05:17 RMN1	68334-30-5	24		
Fuel Oil	ND	mg/kg	60.		6.0 03/20/04 05:17 RMN1	68334-30-5			
Motor Oil	ND	mg/kg	60.		6.0 03/20/04 05:17 RMN1				
n-Tetracosane (S)	112	%			1.0 03/20/04 05:17 RMN1	646-31-1			
p-Terphenyl (S)	144	%			1.0 03/20/04 05:17 RMN1	92-94-4			
Date Extracted	03/18/04				03/18/04				

### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	19.0	%			1.0 03/18/04	DPB			

### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	6100	123	03/18/04 20:17 ARF	71-43-2			
Ethylbenzene	11000	ug/kg	6100	123	03/18/04 20:17 ARF	100-41-4			
Toluene	ND	ug/kg	6100	123	03/18/04 20:17 ARF	108-88-3			
Xylene (Total)	97000	ug/kg	15000	123	03/18/04 20:17 ARF	1330-20-7			
a,a,a-Trifluorotoluene (S)	106	%		1.0	03/18/04 20:17 ARF	98-08-8	3		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 6086618  
Client Project ID: N.M. Pits

Lab Sample No: 607462850 Project Sample Number: 6086618-010 Date Collected: 09/02/04 10:28  
Client Sample ID: 102802SEP04 Matrix: Soil Date Received: 09/09/04 09:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC Semivolatiles</b>									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.		1.1 09/15/04 13:11	RMN1			
Jet Fuel	ND	mg/kg	11.		1.1 09/15/04 13:11	RMN1			
Kerosene	ND	mg/kg	11.		1.1 09/15/04 13:11	RMN1			
Diesel Fuel	ND	mg/kg	11.		1.1 09/15/04 13:11	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 09/15/04 13:11	RMN1	68334-30-5		
Motor Oil	150	mg/kg	11.		1.1 09/15/04 13:11	RMN1			
n-Tetracosane (S)	116	%			1.0 09/15/04 13:11	RMN1	646-31-1		
p-Terphenyl (S)	148	%			1.0 09/15/04 13:11	RMN1	92-94-4		
Date Extracted	09/13/04				09/13/04				

#### Organics Prep

Percent Moisture Method: SM 2540G  
Percent Moisture 8.1 % 1.0 09/13/04 DPB

#### GC Volatiles

Aromatic Volatile Organics Prep/Method: EPA 5030 Medium Soil / EPA 8021

Benzene	ND	ug/kg	54.		1.1 09/13/04 17:47	71-43-2
Ethylbenzene	ND	ug/kg	54.		1.1 09/13/04 17:47	100-41-4
Toluene	ND	ug/kg	54.		1.1 09/13/04 17:47	108-88-3
Xylene (Total)	160	ug/kg	140		1.1 09/13/04 17:47	1330-20-7
a,a,a-Trifluorotoluene (S)	91	%			1.0 09/13/04 17:47	98-08-8

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 6086618  
Client Project ID: N.M. Pits

Lab Sample No: 607462843      Project Sample Number: 6086618-009      Date Collected: 09/02/04 10:40  
Client Sample ID: 104002SEP04      Matrix: Soil      Date Received: 09/09/04 09:10

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

### GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1				
Jet Fuel	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1				
Kerosene	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1				
Diesel Fuel	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1 68334-30-5				
Fuel Oil	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1 68334-30-5				
Motor Oil	ND	mg/kg	11.		1.1 09/14/04 15:45 RMN1				
Total Petroleum Hydrocarbons	1700	mg/kg	11.		1.1 09/14/04 15:45 RMN1			10	
n-Tetracosane (S)	223	%			1.0 09/14/04 15:45 RMN1 646-31-1			2	
p-Terphenyl (S)	92	%			1.0 09/14/04 15:45 RMN1 92-94-4				
Date Extracted	09/13/04				09/13/04				

### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	11.4	%			1.0 09/13/04			DPB	

### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	490		9.8 09/14/04 10:41			71-43-2	
Ethylbenzene	1400	ug/kg	490		9.8 09/14/04 10:41			100-41-4	
Toluene	2000	ug/kg	490		9.8 09/14/04 10:41			108-88-3	
Xylene (Total)	17000	ug/kg	1300		9.8 09/14/04 10:41			1330-20-7	
a,a,a-Trifluorotoluene (S)	81	%			1.0 09/14/04 10:41			98-08-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.