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: CHAPARRAL OIL & GAS CO Telephone: e-mail address:

Address: PO BOX 100 AZTEC, NM 874100100

Facility or well name: SHELLY #001 API #: 30-045-20615 U/L or Qtr/Qtr P SEC 11 T 28N R 11W

County: SAN JUAN Latitude 36.67747 Longitude -107.97208 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 your 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:

Bedrock

OCT 2005
RECEIVED
OIL CONS. DIV.
DIST. 3

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: 9/18/05

Printed Name/Title Mark Harvey for Williams Field Services Signature MH for WFS

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:

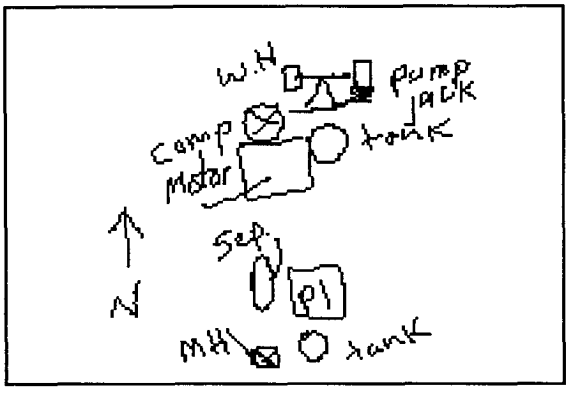
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Denny Foust Date: OCT 12 2005

ADDENDUM TO OCD FORM C-144

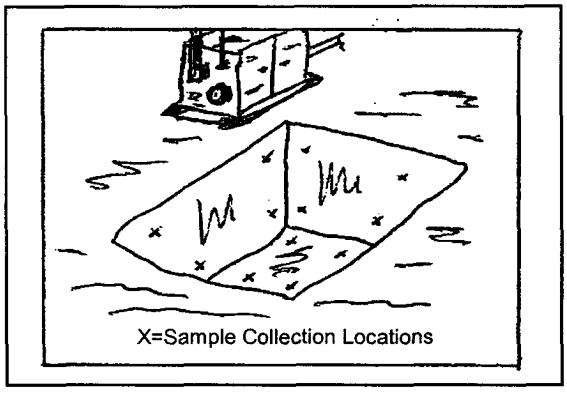
Operator: CHAPARRAL OIL & GAS CO **API** 30-045-20615

Well Name: SHELLY #001 **Meter:** 32922

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 3 Ft.

Location of Pit Center

Latitude 36.67737

Longitude -107.97182

(NAD 1927)

Pit ID

329221

Pit Type

Separator

Date Closure Started: 12/23/04 **Date Closure Completed:** 12/23/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☑

Cubic Yards Excavated: 21

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	
091523DEC04	12/23/04	0	0.59	0	1500	EX Confirm	Walls	4	
092523DEC04	12/23/04	47	8.12	0	12000	EX Confirm	Flr	4	See Risk Analysis
141926JAN04	1/26/04		0.57	0	11000	ASSESS	Flr	3	

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www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6078887
Client Project ID: NM PIT PROGRAM

Lab Sample No: 606799021 Project Sample Number: 6078887-011 Date Collected: 01/26/04 14:19
Client Sample ID: 141926JAN04 Matrix: Soil Date Received: 02/03/04 10:00

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	67.	6.7	02/05/04 07:58	RMN1			
Jet Fuel	ND	mg/kg	67.	6.7	02/05/04 07:58	RMN1			
Kerosene	ND	mg/kg	67.	6.7	02/05/04 07:58	RMN1			
Diesel Fuel	11000	mg/kg	67.	6.7	02/05/04 07:58	RMN1	68334-30-5	5	
Fuel Oil	ND	mg/kg	67.	6.7	02/05/04 07:58	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	67.	6.7	02/05/04 07:58	RMN1			
n-Tetracosane (S)	575	%		1.0	02/05/04 07:58	RMN1	646-31-1	6	
p-Terphenyl (S)	96	%		1.0	02/05/04 07:58	RMN1	92-94-4		
Date Extracted	02/04/04				02/04/04				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	26.1	%		1.0	02/04/04	DPB			
GC Volatiles									
Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	67.	1.4	02/04/04 13:35	ARF	71-43-2		
Ethylbenzene	ND	ug/kg	67.	1.4	02/04/04 13:35	ARF	100-41-4		
Toluene	ND	ug/kg	67.	1.4	02/04/04 13:35	ARF	108-88-3		
Xylene (Total)	570	ug/kg	170	1.4	02/04/04 13:35	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	96	%		1.0	02/04/04 13:35	ARF	98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6090504
Client Project ID: N. Mex. Pits Program

Lab Sample No: 607796646 Project Sample Number: 6090504-035 Date Collected: 12/23/04 09:25
Client Sample ID: 092523DEC04 Matrix: Soil Date Received: 01/04/05 08:50

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	58.	5.8	01/10/05 17:04	RMN1			
Jet Fuel	ND	mg/kg	58.	5.8	01/10/05 17:04	RMN1			
Kerosene	ND	mg/kg	58.	5.8	01/10/05 17:04	RMN1			
Diesel Fuel	ND	mg/kg	58.	5.8	01/10/05 17:04	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	58.	5.8	01/10/05 17:04	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	58.	5.8	01/10/05 17:04	RMN1			
Total Petroleum Hydrocarbons	12000	mg/kg	58.	5.8	01/10/05 17:04	RMN1		4	
n-Tetracosane (S)	742	%		1.0	01/10/05 17:04	RMN1	646-31-1	9	
p-Terphenyl (S)	136	%		1.0	01/10/05 17:04	RMN1	92-94-4		
Date Extracted	01/06/05				01/06/05				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	15.4	%		1.0	01/06/05	ALJ1			
GC Volatiles									
Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	400	8.0	01/10/05 11:48	SHF	71-43-2		
Ethylbenzene	520	ug/kg	400	8.0	01/10/05 11:48	SHF	100-41-4		
Toluene	2200	ug/kg	400	8.0	01/10/05 11:48	SHF	108-88-3		
Xylene (Total)	5400	ug/kg	1000	8.0	01/10/05 11:48	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		1.0	01/10/05 11:48	SHF	98-08-8	2	

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Lab Project Number: 6090504
Client Project ID: N. Mex. Pits Program

Lab Sample No: 607796653 Project Sample Number: 6090504-036 Date Collected: 12/23/04 09:15
Client Sample ID: 091523DEC04 Matrix: Soil Date Received: 01/04/05 08:50

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	12.	1.2	01/10/05 16:29	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	01/10/05 16:29	RMN1			
Kerosene	ND	mg/kg	12.	1.2	01/10/05 16:29	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	01/10/05 16:29	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	01/10/05 16:29	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	01/10/05 16:29	RMN1			
Total Petroleum Hydrocarbons	1500	mg/kg	12.	1.2	01/10/05 16:29	RMN1		5	
n-Tetracosane (S)	100	%		1.0	01/10/05 16:29	RMN1	646-31-1		
p-Terphenyl (S)	98	%		1.0	01/10/05 16:29	RMN1	92-94-4		
Date Extracted	01/06/05				01/06/05				
Organics Prep									
Percent Moisture	Method: SM 2540G								
Percent Moisture	15.8	%		1.0	01/06/05	ALJ1			
GC Volatiles									
Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	59.	1.2	01/08/05 01:38	SHF	71-43-2		
Ethylbenzene	ND	ug/kg	59.	1.2	01/08/05 01:38	SHF	100-41-4		
Toluene	290	ug/kg	59.	1.2	01/08/05 01:38	SHF	108-88-3		
Xylene (Total)	300	ug/kg	150	1.2	01/08/05 01:38	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%		1.0	01/08/05 01:38	SHF	98-08-8	2	

REPORT OF LABORATORY ANALYSIS