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

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

State of New Mexico Energy Minerals and Natural Resources

Form C-144 June 1, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 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

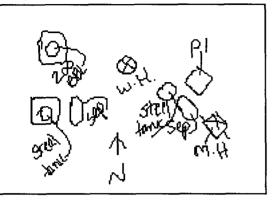
	ered by a "general plan"? Yes 💌 No 🗔	
WFS CLOSIAE Type of action: Registration of a pit or below	v-grade tank	<u> </u>
Operator: QUESTAR EXPLORATION & PRODUCTION Telephone:	e-mail address:	
Address: 180 EAST 100 SOUTH SALT LAKE CITY, UT 841450601		
Facility or well name: KNAUFF #001E API #: 30-045-	$\frac{24480}{\text{U/L or Qtr/Qtr}} \qquad \frac{P}{\text{SEC}}$	<u>13</u> T <u>27N</u> R <u>10W</u>
County: SAN JUAN Latitude 36.570	<u>Longitude -107.84013</u>	NAD: 1927 🗹 1983 🗌
Surface Owner: Federal ✓ State ☐ Private ☐ Indian ☐		70112112
Pit Type: Drilling Production V Disposal	Below-grade tank Volume: bbl Type of fluid:	B 30 311 12 3 43
Dining C Production C Disposal C		550000
Workover L Emergency L	Double-walled, with leak detection? Yes If not, ex	FEB 2006 plain why not
Lined Unlined 🗹	Z4Z	
Liner Type: Synthetic 🔳 Thickness mil Clay 🏢	[S]	DIST. 3
Pit Volume 77 bbl		
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) <u>0</u> (0 points)
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) <u>0</u>
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) <u>0</u> (0 points)
	Ranking Score (TOTAL POINTS):	<u>0</u>
If this is a pit closure: (1)Attach a diagram of the facility showing the pit's relationsite box if your are burying in place) onsite offsite. If offsite, name action taken including remediation start date and end date. (4)Groundwater encour and attach sample results. (5)Attach soil sample results and a diagram of sample lo	ntered: No 🗹 Yes 🗌 If yes, show depth below gr	location: (check the eneral description of remedial ound surface ft.
Additional Comments:	7	Meter: 34977
I hereby certify that the information above is true and complete to the best of my k		•
tank has been/will be constructed or closed according to NMOCD guidelines	a general permit , or an (attached) alternative OC	D-approved plan
Date:10/3/05	Mr Zung, FOR WPS	
Printed Name/Title Mark Harvey for Williams Field Services Sig	gnature	
Your certification and NMOCD approval of this application/closure does not relie or otherwise endanger public health or the environment. Nor does it relieve the op regulations.	ve the operator of liablility should the contents of the pit or ta erator of its responsibility for compliance with any other feder	ink contaminate ground water eral, state, or local laws and/or
Approval: CEFUTY CAL & GAS INSPECTOR, DIST. (2) Printed Name/Title Signs	ature Deny Joens	Date: FEB 0 2 200

ADDENDUM TO OCD FORM C-144

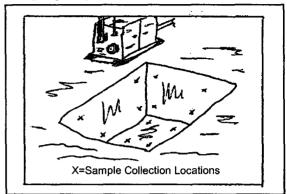
Operator: QUESTAR EXPLORATION & PRODUCTION CO

Well Name: KNAUFF #001E Meter: 34977

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 3 Ft.

Location of Pit Center

Latitude 36.57037

Longitude -107.83992

(NAD 1927)

Pit ID

API 30-045-24480

<u>349771</u>

Pit Type

Separator

Date Closure Started: 1/14/05

Closure Method:

Excavated, Blended, Treated Soil Returned

Date Closure Completed: <u>1/14/05</u>

Bedrock Encountered ?

Cubic Yards Excavated: 37

Vertical Extent of Equipment Reached ? \Box

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.

	~1	a	
Pit.	(losure	Sampling:	

Sample ID BTEX TPH Sample Head Benzene Purpose Location Depth Date Total (mg/kg) DRO Space (mg/kg) (mg/kg)

133419FEB04 2/19/04 2361 61 67000 ASSESS Fir

140414JAN05 1/14/05 4 81 EX Confirm Walls 6

141514JAN05 1/14/05 330 4.42 0 240 EX Confirm Flr 7 See Risk Analysis...



Pace Analytical Services, Inc.

9608 Loiret Blvd. Lenexa, KS 66219

Phone: 913.599.5665 Fax: 913.599.1759

Lab Project Number: 6091105

Client Project ID: N. Mex Pit Program

Lab Sample No:

607842325

Project Sample Number: 6091105-020

Date Collected: 01/14/05 14:04

Client Sample ID: 140414.JAN05

Matrix: Soil

Date Received: 01/21/05 09:10

Cilent Sample ID: 140414JAN05				Matrix: 3011			Date Received	1. 01/2	01/21/05 09.10		
<u>Parameters</u>	Results	<u>Units</u>	Report Limit	DF	Analyzed	Ву	CAS No.	Qua1	RegLmt		
GC Semivolatiles											
Total Extractable Hydrocarbons	Prep/Method:	0A2 / 0A2									
Mineral Spirits	ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1					
Jet Fuel	ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1					
Kerosene	ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1					
Diesel Fuel	ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1	68334-30-5				
Fuel Oil	ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1	68334-30-5				
Motor 0il	· ND	mg/kg	11.	1.1	01/25/05 09:26	RMN1					
Total Petroleum Hydrocarbons	81.	mg/kg	11.	1.1	01/25/05 09:26	RMN1		10			
n-Tetracosane (S)	123	*		1.0	01/25/05 09:26	RMN1	646-31-1				
p-Terphenyl (S)	121	×		1.0	01/25/05 09:26	RMN1	92-94-4				
Date Extracted	01/24/05				01/24/05						
Organics Prep											
Percent Moisture	Method: SM 2	2540G									
Percent Moisture	7.2	*		1.0	01/26/05	ALJ1	•				

Date: 01/27/05

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.

9608 Loiret Blvd. Lenexa, KS 66219

Phone: 913.599.5665 Fax: 913.599.1759

Lab Project Number: 6091105

Client Project ID: N. Mex Pit Program

Lab Sample No: 607842333 Project Sample Number: 6091105-021 Date Collected: 01/14/05 14:15
Client Sample ID: 1415141AN05 Matrix: Soil Date Received: 01/21/05 09:10

Client Sample ID: 141514JAN05			Matrix: Soil				Date Received: 01/21/05 09:10			
Parameters	Results	Units	Report Limit	_DF	Analyzed	Ву	CAS No.	Qual	RegLmt	
GC Semivolatiles										
Total Extractable Hydrocarbons	Prep/Method:	0A2 / 0A2			-	•				
Mineral Spirits	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1				
Jet Fuel	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1				
Kerosene	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1				
Diesel Fuel	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1	68334-30-5			
Fuel Oil	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1	68334-30-5			
Motor 011	ND	mg/kg	11.	1.1	01/25/05 09:43	RMN1				
Total Petroleum Hydrocarbons	240	mg/kg	11.	1.1	01/25/05 09:43	RMN1		5 .		
n-Tetracosane (S)	145	x		1.0	01/25/05 09:43	RMN1	646-31-1			
p-Terphenyl (S)	127	*		1.0	01/25/05 09:43	RMN1	92-94-4			
Date Extracted	01/24/05			•	01/24/05					
Organics Prep										
Percent Moisture	Method: SM 2	540G								
Percent Moisture	10.1	*	i k	1.0	01/25/05	ALJ1				
GC Volatiles										
Aromatic Volatile Organics	Prep/Method:	EPA 5030 N	Medium Soil / E	PA 8021						
Benzene	ND	ug/kg	55.		01/24/05 23:52	<u>!</u>	71-43-2			
Ethylbenzene	130	ug/kg	55.	1.1	01/24/05 23:52		100-41-4			
Toluene	190	ug/kg	55.	1.1	01/24/05 23:52	2	108-88-3			
Xylene (Total)	4100	ug/kg	140	1.1	01/24/05 23:52	<u>.</u>	1330-20-7			
a,a,a-Trifluorotoluene (S)	80	*		1.0	01/24/05 23:52	<u>}</u>	98-08-8			

Date: 01/27/05

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Pace Analytical Services, Inc.

9608 Loiret Blvd. Lenexa, KS 66219

Phone: 913.599.5665 Fax: 913.599.1759

Lab Project Number: 6079526 Client Project ID: NM Pit Program

Lab Sample No: 606847192

Project Sample Number: 6079526-011

Date Collected: 02/19/04 13:34

Matrix: Soil Client Sample ID: 133419FEB04

Date Received: 02/24/04 09:30

Units Report Limit DF Analyzed By CAS No. Qual RegLmt **Parameters** GC Semivolatiles Total Extractable Hydrocarbons Prep/Method: 0A2 / 0A2

Mineral Spirits	ND	mg/kg	320	32.2 03/02/04 14:54 RMN1	
Jet Fuel	ND	mg/kg	320	32.2 03/02/04 14:54 RMN1	
Kerosene	ND	mg/kg	320	32.2 03/02/04 14:54 RMN1	
Diesel Fuel	67000	mg/kg	320	32.2 03/02/04 14:54 RMN1 68334-30-5	4
Fuel Oil	ND	mg/kg	320	32.2 03/02/04 14:54 RMN1 68334-30-5	
Motor Oil	ND	mg/kg	320	32.2 03/02/04 14:54 RMN1	
n-Tetracosane (S)	0	*		1.0 03/02/04 14:54 RMN1 646-31-1	5
p-Terphenyl (S)	0	*		1.0 03/02/04 14:54 RMN1 92-94-4	5
Date Extracted	02/25/04			02/25/04	

Organics Prep

Percent Moisture Method: SM 2540G Percent Moisture 23.9

1.0 02/25/04

DPB

GC Volatiles

Aromatic Volatile Organics	Prep/Method	: EPA 5030 M	edium Soil /	/ EPA 802:	1		
Benzene	61000	ug/kg	6000	121	02/27/04	11:38	71-43-2
Ethylbenzene	140000	ug/kg	6000	121	02/27/04	11:38	100-41-4
Toluene	560000	ug/kg	6000	121	02/27/04	11:38	108-88-3
Xylene (Total)	1600000	ug/kg	15000	121	02/27/04	11:38	1330-20-7
a,a,a-Trifluorotoluene (S)	99	*		1.0	02/27/04	11:38	98-08-8

Date: 03/02/04

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