District I 1625 N. French Dr., Hobbs, NM 88240 District II District III
1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

Form C-144

June 1, 2004

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

office

Pit or Below-Gra	de Tank Registration or Closur	re Allis a sin	
	k covered by a "general plan"? Yes No		
Operator: Questar E&P Telephone: (970) 564-9231 Address: P.O. Box 1656 Cortez, Colorado 81321			
	7.839921 NAD: 1927 ⊠ 1983 ☐ Surface Own	Se 07 Or 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Pit Type: Drilling [7] Production M Disposal [7]	Below-grade tank Volume bbl Type of fluid:		
Workover ☐ Emergency ☐ Lined ☐ Unlined ☑ Liner type: Synthetic ☐ Thicknessmil Clay ☐	ined ☐ Unlined ☑ Double-walled, with leak detection? Yes ☐ If not, explain why not.		
Pit Volume _36_bbl (10x10x2) 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)	
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)			
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	
	Ranking Score (Total Points)	0 Points	
If this is a pit closure: (1) attach a diagram of the facility showing the pit's your are burying in place) onsite ☐ offsite ☒ If offsite, name of facility Is start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes sample results and a diagram of sample locations and excavations. Additional Comments: Bedrock encountered at two (2) feet be	Cnvirotech LF 2 . (3) Attach a general description s, show depth below ground surfaceft.	of remedial action taken including remediation	
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines , Date: X_10/25/04 Printed Name/Title X_NITBY	a general permit , or an (attached) alternative O Signature X Kaz Such t relieve the operator of liability should the contents of	CD-approved plan . f the pit or tank contaminate ground water or	
Approval: DEPUTY ON & GAS INSPECTOR, DIST. 68 Printed Name/Title	Signature Deny Jan	MOV - 9 2004	

CLIENT Questar ETP ENVIROTECH INC.	LOCATION NO. A JE
ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	C.Q.C. NQ: /3188
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
QUAD/UNIT: SEC: TWP: RNG: PM: CNTY: ST:	DATE STARTED: 10-14-04 DATE FINISHED: 20 19-04
QTR/FOOTAGE: CONTRACTOR: Envirotecy	ENVIRONMENTAL CJC
EXCAVATION APPROX. 40 FT. x 42 FT. x 8 FT. DEEP. CUBIC	YARDAGE: 280 yd,
DISPOSAL FACILITY: Envirotech LF # Z REMEDIATION METHO	D: Offaile
LAND USE: Grez LEASE: FOI	RMATION: Naciamord o
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 70 FT. A DEPTH TO GROUNDWATER: 100 NEAREST WATER SOURCE: 1000 NEAREST SURFACE	FROM WELLHEAD. E WATER: >1000
NMOCD RANKING SCORE: O NMOCD THE CLOSURE SID: 5000 PPM	CHECK ONE :
	PIT ABANDONED STEEL TANK INSTALLED
Excavaled to bed rock: Fand & drake size	
Excuvated to bed rock; sand & drake stey siltstene / Shale; Haulded to Envirotely	
Land Fun # 2,	
FIELD 418.1 CALCULATIONS	
TIME SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON D	LUTION READING CALC. ppm
SCALE 4	
O FT	
PIT PERIMETER * OVM RESULTS PIT	PROFILE
SAMPLE FIELD HEADSPACE PID (ppm) 1 8tm 750	
25, Well (50) 3N, Well 1000	Belvook
4 E wall 800	E
× × v × s	至 木
	8 -5,5
TIME -	
200881 SAMPLES SAMPLE ANALYSIS TIME	
5 pm TPH BTE 1515	
TRAVEL NOTES: CALLOUT: 1800 Am ONSITE: 0845 A	
CALLOUI. U STATE ONSITE. U TO A	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Questar E & P	Project #:	03074-002
Sample ID:	5 Pt @ 6'	Date Reported:	10-19-04
Laboratory Number:	30973	Date Sampled:	10-14-04
Chain of Custody No:	13188	Date Received:	10-15-04
Sample Matrix:	Soil	Date Extracted:	10-18-04
Preservative:	Cool	Date Analyzed:	10-19-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	23.2	0.2
Diesel Range (C10 - C28)	25.3	0.1
Total Petroleum Hydrocarbons	48.5	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:

Knauff #A1E.

Analyst C. Que

(Review Muller



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Questar E & P	Project #:	03074-002
Sample ID:	Btm @ 8'	Date Reported:	10-19-04
Laboratory Number:	30974	Date Sampled:	10-14-04
Chain of Custody No:	13188	Date Received:	10-15-04
Sample Matrix:	Soil	Date Extracted:	10-18-04
Preservative:	Cool	Date Analyzed:	10-19-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,210	0.2
Diesel Range (C10 - C28)	151	0.1
Total Petroleum Hydrocarbons	1,360	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: Knauff #A1E.

Analyst P. Q

Review Malters



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Questar E & P	Project #:	03074-002
Sample ID:	5 Pt @ 6'	Date Reported:	10-19-04
Laboratory Number:	30973	Date Sampled:	10-14-04
Chain of Custody:	13188	Date Received:	10-15-04
Sample Matrix:	Soil	Date Analyzed:	10-19-04
Preservative:	Cool	Date Extracted:	10-18-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

1		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
_			
Benzene	ND	1.8	
Toluene	222	1.7	
Ethylbenzene	ND	1.5	
p,m-Xylene	815	2.2	
o-Xylene	463	1.0	
Total BTEX	1,500		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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:

Knauff #A1E.

Analyst P. Ogland

Review Malter



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Questar E & P	Project #:	03074-002
Sample ID:	Btm @ 8'	Date Reported:	10-19-04
Laboratory Number:	30974	Date Sampled:	10-14-04
Chain of Custody:	13188	Date Received:	10-15-04
Sample Matrix:	Soil	Date Analyzed:	10-19-04
Preservative:	Cool	Date Extracted:	10-18-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	1.8	
Toluene	2,060	1.7	
Ethylbenzene	ND	1.5	
p,m-Xylene	2,790	2.2	
o-Xylene	1,430	1.0	
Total BTEX	6,280		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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:

Knauff #A1E.

Analyst C. Cy

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