

District I

P.O. Box 1983, Hobbs, NM

District II

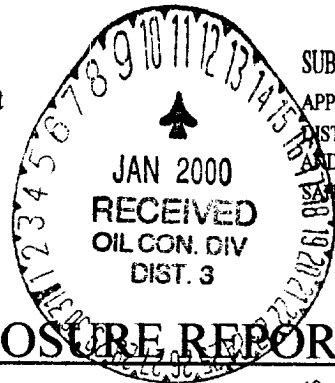
P.O. Drawer 10D, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICEPIT REMEDIATION AND CLOSURE REPORT*Bedrock*Operator: Questar Energy Company Telephone: (505) 326-9195Address: P.O. Box 2330 Farmington, NM 87499Facility Or: Kutz Canyon #1E

Well Name:

Location: Unit or Qtr/Qtr Sec P Sec 22 T 28N R 10W County San JuanPit Type: Separator X Dehydrator Other Land Type: BLM X State Fee Other Pit Location: Pit dimensions: Length 30 ft width 20 ft depth 4 ft
(Attach diagram)Reference: wellhead X other Footage from reference: 100 ftDirection from reference: 30 Degrees X East North
of
 West South X

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>>100'</u>	Less than 50 feet	(20 points)	
		50 ft to 99 feet	(10 points)	
	<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>

Wellhead Protection Area: (less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources).		Yes	(20 points)	
	<u>X</u>	No	(0 points)	<u>0</u>

Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)		Less than 200 feet	(20 points)	
		200 feet to 1000 feet	(10 points)	
	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\Prcc@_WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 11/11/97 Date Completed: 1/28/99

Excavation _____ Approx. cubic yards 64

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 11/11/97, the pit was excavated to a depth of 4 feet where bedrock was encountered. A sample was obtained from the center bottom of the pit at a depth of 4 feet utilizing U.S.E.P.A. protocol and sent to On Site Technologies, Ltd. for GRO/DRO and BTEX analysis. A test hole was also dug downgradient, southwest of the pit, to a depth of 3 feet. A sample was obtained at a depth of 3 feet and sent to On Site Technologies for GRO/DRO and BTEX analysis. Results provided concentrations below NMOCD guidelines. On 1/28/99, the landfarm was tested and provided concentrations below NMOCD guidelines.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Closure Sampling:
(if multiple samples,
attach sample results)

and diagram of sample
locations and depths)

Sample location Center Bottom / Southwest Test Hole

Sample depth 4 feet (Bedrock) / 3 feet (Bedrock)

Sample date 11/11/97

Sample time 14:00 / 14:51

Sample Results

Benzene(ppm) ND / ND

Total BTEX (PPM) 62.356 / 0.001

Field Headspace (ppm) NA / 214

TPH 1033 / ND

Ground Water Sample: Yes _____ No X (if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

DATE 1-4-00 PRINTED NAME Phil Emig

SIGNATURE  and TITLE Senior Operator

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, deepen or reentry to a different reservoir.
Use 'APPLICATION FOR PERMIT' for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: oil well gas well ☒ other
2. Name of Operator: **Questar Energy Company**
3. Address of Operator: **P.O. Box 2330 Farmington, NM 87499**
4. Location of Well: (Footage, Sec., T., R., M., or Survey Description)

Unit P Sec. 22 T 28 N R 10 W

5. Lease Designation and Serial No.
SF-077383

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agmt. Design.:

8. Well Name and No.:
Kutz Canyon #1E

9. API Well No.:
30-045-24309

10. Field & Pool/Exploratory Area:
Basin Dakota

11. County or Parish, State:
San Juan, New Mexico

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment ☐ Change of Plans
☒ Subsequent Report	☐ Recompletion ☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back ☐ Non-Routine Fracturing
	☐ Casing Repair ☐ Water Shut-Off
	☐ Altering Casing ☐ Conversion to Injection
	☒ Other: Pit Closure
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

**The pit associated with the subject well has been closed and replaced with a fiberglass tank.
Details of the closure are attached.**

14. I hereby certify that the foregoing is true and correct.

Signed:  **Phil Emig** Title: **Senior Operator** Date: **1-4-00**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Client : Qestlar Energy Co.

Date Started : 11 November 1997 Date Completed : 11 November 1997

Location : Kurtz #1-E Quad : Section : 22 Range : 10W Township: 28N		Pit : Separator Reference : 100' S30E Of wellhead Initial Size : 15'x15'x3' deep Final Size : 30'x20'x4' deep Yds. Excavated : 64 cubic yards <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> </thead> <tbody> <tr><td>1</td><td>Swall @ 3'</td><td>494</td></tr> <tr><td>2</td><td>Swall @ 3'</td><td>209</td></tr> <tr><td>3</td><td>East T.H. 3'</td><td>24</td></tr> <tr><td>4</td><td>SE Corn. 3'</td><td>22.2</td></tr> <tr><td>5</td><td>S T.H. @ 3'</td><td>3.8</td></tr> <tr><td>6</td><td>SW Corn @ 3'</td><td>214</td></tr> <tr><td>7</td><td>W TH @ 3'</td><td>0.8</td></tr> <tr><td>8</td><td>N TH @ 1'</td><td>194</td></tr> <tr><td>9</td><td>Ctn Btm @ 4'</td><td>N/A</td></tr> <tr><td>10</td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td></tr> </tbody> </table> Depth to Groundwater: >100' Nearst Water Source: >1000' Nearst Surface Water: >1000' NMOCD Ranking Score: 0 TPH Closure Standard: 5000 Comments : Soil is slightly moist, brown, silty clay. Soil is stained grey to bedrock @ 4' below ground level. A sample from the bottom A sample from the bottom (on top of bedrock) and a sample from the SW corner test hole was sent to On Site Labs for GRO/DRO 8015 and BTEX 8020 analysis.		Sample #	Location	OVM	1	Swall @ 3'	494	2	Swall @ 3'	209	3	East T.H. 3'	24	4	SE Corn. 3'	22.2	5	S T.H. @ 3'	3.8	6	SW Corn @ 3'	214	7	W TH @ 3'	0.8	8	N TH @ 1'	194	9	Ctn Btm @ 4'	N/A	10			11			12		
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11																																										
12																																										
Pit Profile : North to South :		Pit Profile : East to West :																																								

Environmental Specialist : FM

Cinarron Oilfield Services

Page 1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **Frank McDonald**
Company: **Cimmaron Oilfield Service**
Address: **P.O. Box 3235**
City, State: **Farmington, NM 87401**

Date: **24-Nov-97**
COC No.: **6573**
Sample No.: **16824**
Job No.: **2-1000**

Project Name: **Questar Energy - Kutz #1-E Separator Pit**

Project Location: **Center Bottom @ 4'**

Sampled by: **FM** Date: **11-Nov-97** Time: **14:00**

Analyzed by: **DC/HR** GRO Date: **11-Nov-97**

Sample Matrix: **Soil** DRO Date: **18-Nov-97**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Gasoline Range Organics (C5 - C9)	394	mg/kg	100	mg/kg
Diesel Range Organics (C10 - C28)	639	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

GRO QC No.: 0554-STD

DRO QC No.: 0555-STD

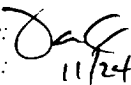
Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Gasoline Range (C5 - C9)	ND	ppb	1,801	2,043	12.6	15%
Diesel Range (C10 - C28)	ND	ppm	200	201	0.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Gasoline Range (C5-C9)	98	93	(80-120)	2	20%
Diesel Range (C10-C28)	110	113	(75-125)	2	20%

Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: 
Date: **11/24/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Frank McDonald*
Company: *Cimmaron Oilfield Service*
Address: *P.O. Box 3235*
City, State: *Farmington, NM 87401*

Date: *17-Nov-97*
COC No.: *6573*
Sample No.: *16824*
Job No.: *2-1000*

Project Name: *Questar Energy - Kutz #1-E Separator Pit*
Project Location: *Center Bottom @ 4'*
Sampled by: *FM* Date: *11-Nov-97* Time: *14:00*
Analyzed by: *DC* Date: *14-Nov-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	500	ug/kg
<i>Toluene</i>	7074	ug/kg	500	ug/kg
<i>Ethylbenzene</i>	4232	ug/kg	500	ug/kg
<i>m,p-Xylene</i>	41347	ug/kg	500	ug/kg
<i>o-Xylene</i>	9703	ug/kg	500	ug/kg
TOTAL		62356	ug/kg	

ND - Not Detected at Limit of Quantitation

Method - *SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography*

Approved by: *[Signature]*
Date: *11/17/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **Frank McDonald**
 Company: **Cimmaron Oilfield Service**
 Address: **P.O. Box 3235**
 City, State: **Farmington, NM 87401**

Date: **24-Nov-97**
 COC No.: **6573**
 Sample No.: **16823**
 Job No.: **2-1000**

Project Name: **Questar Energy - Kutz #1-E Separator Pit**
 Project Location: **South West Test Hole @ 3'**
 Sampled by: **FM**
 Analyzed by: **DC/HR**
 Sample Matrix: **Soil**

Date: **11-Nov-97** Time: **14:51**
 GRO Date: **11-Nov-97**
 DRO Date: **18-Nov-97**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Gasoline Range Organics (C5 - C9)	ND	mg/kg	2.5	mg/kg
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

GRO QC No.: 0554-STD

DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Gasoline Range (C5 - C9)	ND	ppb	1,801	2,043	12.6	15%
Diesel Range (C10 - C28)	ND	ppm	200	201	0.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Gasoline Range (C5-C9)	79	85	(80-120)	6	20%
Diesel Range (C10-C28)	110	113	(75-125)	2	20%

Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:
 Date: **11/24/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

The logo for On Site Technologies, Ltd. features a stylized, jagged line graphic that resembles a mountain range or a signal waveform. The text "ON SITE" is prominently displayed in a large, bold, sans-serif font, with "ON" and "SITE" separated by a wide space. Below "ON SITE", the words "TECHNOLOGIES, LTD." are written in a smaller, all-caps, sans-serif font. The entire logo is rendered in black.

ANALYTICAL REPORT

Date: 17-Nov-97
COC No.: 6573
Sample No.: 16823
Job No.: 2-1000

Sampled by:	FM	Date:	11-Nov-97	Time:	14:51
Analyzed by:	DC	Date:	14-Nov-97		
Sample Matrix:	Soil				

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>		ND	ug/kg	1	ug/kg
<i>Toluene</i>		ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>		ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>		1	ug/kg	1	ug/kg
<i>o-Xylene</i>		ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	1	ug/kg		

ND - Not Detected at Limit of Quantitation

Approved by: 
Date: 11/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

CHAIN OF CUSTODY RECORD

6573

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Date: 11 Nov 97

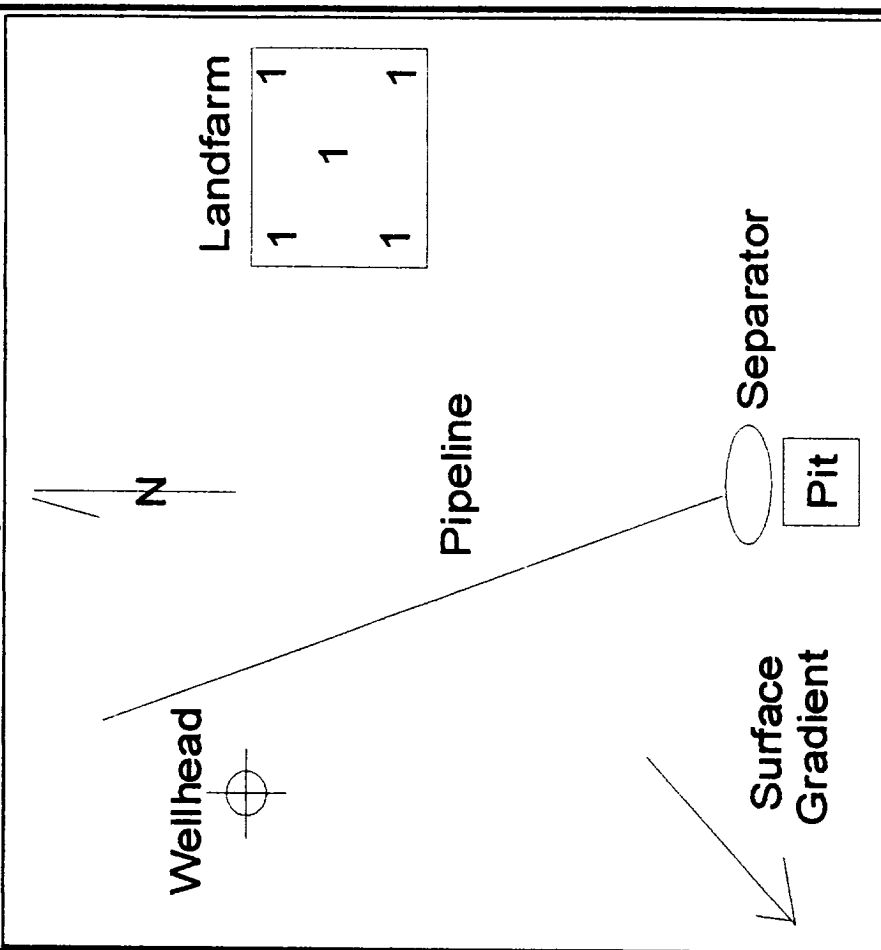
657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution: White - On Site	Yellow - LAB	Pink - Sampler	Goldenrod - Client
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Client : Questar Energy Company

Date Started : January 28, 1999 Date Completed : January 28, 1999

Location: Kutz Canyon #1E		Overview of Landfarm and Sampling :	
Quad: P	Section: 22		
Township: 28N	Range: 10W		
Pit: Separator	Sample # Location OVM		
Reference: 85' South 80° East of wellhead	1 3		
Size: 8' x 8' x 1' deep	2		
Yds: 64 cubic yards	3		
1 5 - Point Composite(s)	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
Comments: Soil is moist, brown silty clay with no staining or hydrocarbon odor. A sample from Composite # 1 was sent to "On-Site Technologies, Ltd." for 8015 GRO/DRO analysis.			
Environmental Specialist : RB			

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Feb-99

Client:	Cimarron Oilfield Service	Client Sample Info:	Questar
Work Order:	9902018	Client Sample ID:	Kutz 1E LF
Lab ID:	9902018-01A	Matrix:	SOIL
Project:	Kutz 1E LF	Collection Date:	1/28/99 2:30:00 PM
		COC Record:	5684

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	2/19/99
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	2/7/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

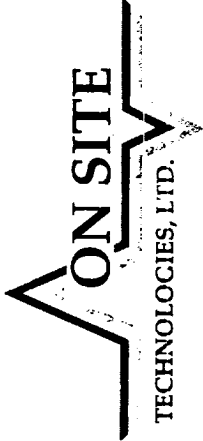
E - Value above quantitation range

Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



CHAIN OF CUSTODY RECORD

5684

Date: 2/13/99

Page 1 of 1

657 W. Maple • P.O. Box 2604 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase Order No.:		Job No.	
Name: Phil Eddy		Title:	
Company: Quanta		Company: Carver	
Address:		Mailing Address: P.O. Box 3235	
City, State, Zip:		City, State, Zip: Farmington, NM 87499	
Sampling Location: Kutz 1 E Landfarm		Telephone No.: 320-4787	
Sampler: Ronnie Benson		Telefax No.:	
SEND INVOICE TO		ANALYSIS REQUESTED	
REPORT RESULTS TO		Number of Containers	
Name: Frank M. Donald		LAB ID	
Company: Carver		LAB ID	
Mailing Address: P.O. Box 3235		LAB ID	
City, State, Zip: Farmington, NM 87499		LAB ID	
Telephone No.: 320-4787		LAB ID	
Telefax No.:		LAB ID	
Sampling Location: Kutz 1 E Landfarm		LAB ID	
Sampler: Ronnie Benson		LAB ID	
Sample Identification		LAB ID	
Kutz 1 E Composite		LAB ID	
DATE		DATE	
1/28/99 14:30		1/28/99 14:30	
MATRIX		PRES.	
Soil		Soil	
Date/Time		Date/Time	
1/28/99 14:30		1/28/99 14:30	
Relinquished by: [Signature]		Received by: [Signature]	
Relinquished by:		Received by:	
Relinquished by:		Received by:	
Method of Shipment:		Rush	
Authorized by: [Signature]		24-48 Hours	
(Client Signature Must Accompany Request)		10 Working Days	
Date: 2/13/99		Special Instructions:	

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client