

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, 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 87504-2088**PIT REMEDIATION AND CLOSURE REPORT**

OK

Operator : Questar Energy Company Telephone: (505) 326-9195Address: P.O. Box 2330 Farmington, NM 87499Facility Or: Kutz Canyon #1

Well Name

Location: Unit or Qtr/Qtr Sec M 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 15 ft, width 9 ft, depth 3 ft

(Attach diagram)

Reference: wellhead X other _____Footage from reference: 110 ftDirection from reference: 10 Degrees X East North X
of
West SouthDepth to Ground Water: >100'
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

_____	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\PrrC@WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 1/20/98 Date Completed: 1/28/99

Excavation _____ Approx. cubic yards 12

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 1/20/98, the pit was excavated to a depth of 3 feet where bedrock was encountered. A sample was obtained from the center bottom of the pit at a depth of 3 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 5 feet. A sample was obtained at a depth of 5 feet and sent to On Site Technologies for GRO/DRO analysis. Results provided concentrations 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 / Test Hole #1

Sample depth 3 feet / 5 feet

Sample date 1/20/98

Sample time 14:00 / 15:14

Sample Results

Benzene(ppm) 0.0485 / NA

Total BTEX (PPM) 15.779 / NA

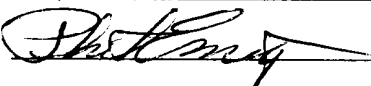
Field Headspace (ppm) 300 / 0

TPH 309 / 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 M 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 #1

9. API Well No.:
30-045-07252

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

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Change of Plans

☐ Recompletion

☐ New Construction

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☒ Other: **Pit Closure**

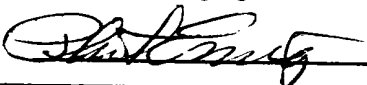
(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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: **1-4-90**

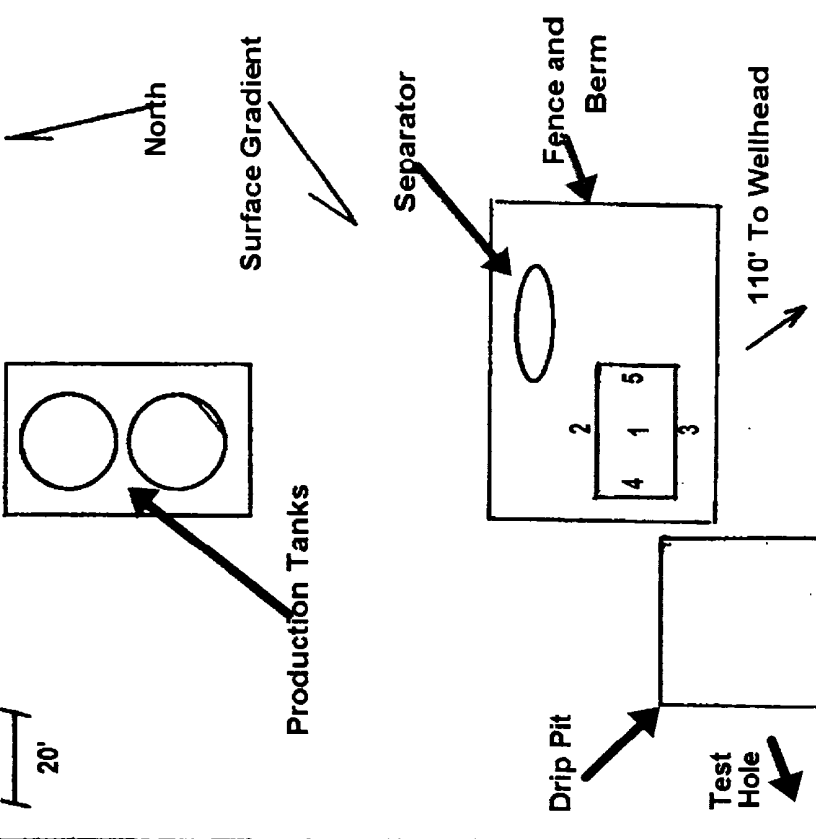
(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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.

Location : <u>Kutz Canyon #1</u>		Overview of Location and Sampling : 		
Quad : <u>780 FSL780 FWL Section : 32</u>		Pit Profile : East to West : 		
Range : <u>10W</u> Township: <u>28N</u>				
Pit : <u>Separator</u>				
Reference : <u>110' N10E</u>				
Initial Size : <u>12'x8'x1' deep</u>				
Final Size : <u>15'x9'x3' deep</u>		Pit Profile : North to South : 		
Yds. Excavated : <u>12 Cubic yards</u>				
Depth to Groundwater: <u>>100'</u>				
Nearest Water Source: <u>>1000'</u>				
Nearest Surface Water: <u>>1000'</u>				
NMOCD Ranking Score: <u>0</u>		Comments : <u>Sandy, coarse sand/blow sand</u> <u>0' - 3' coarse sand, HC odor, some HC staining</u> <u>3' Bedrock, slopes upwards towards south and east</u> <u>Dug test down gradient towards southwest to a depth of 5'</u> <u>sandy soil, no HC odor or staining, test hole 5' deep.</u>		
TPH Closure Standard: <u>5000</u>				
Sample # Location OVM				
1	Btm @ 3'			300
2	Nwall @ 2'			100
3	Swall @ 2'	284		
4	Wwall @ 2'	85		
5	Ewall @ 2'	173		
6	TH @ 5'	0		
7				
8				
9				
10				
11				
12				

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: *26-Jan-98*
COC No.: *6822*
Sample No.: *17387*
Job No.: *2-1000*

Project Name: *Questar Energy - Kutz Canyon #1*
Project Location: *Separator Pit; Bottom @ 3'*
Sampled by: *BS* Date: *20-Jan-98* Time: *14:00*
Analyzed by: *DC* GRO Date: *23-Jan-98*
Sample Matrix: *Soil* DRO Date: *26-Jan-98*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	160	mg/kg	25	mg/kg
<i>Diesel Range Organics (C10 - C28)</i>	149	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
<i>Gasoline Range (C5 - C9)</i>	ND	ppb	1,801	1,845	2.4	15%
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	202	1.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	84	84	(80-120)	0	20%
<i>Diesel Range (C10-C28)</i>	92	94	(75-125)	2	20%

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

Approved by: *[Signature]*
Date: *1/27/98*

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: 27-Jan-98
COC No.: 6822
Sample No.: 17387
Job No.: 2-1000

Project Name: ***Questar Energy - Kutz Canyon #1***
Project Location: ***Separator Pit; Bottom @ 3'***
Sampled by: BS
Analyzed by: DC
Sample Matrix: *Soil*

Date: 20-Jan-98 Time: 14:00
Date: 22-Jan-98

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	485	ug/kg	100	ug/kg
<i>Toluene</i>	1746	ug/kg	200	ug/kg
<i>Ethylbenzene</i>	1261	ug/kg	100	ug/kg
<i>m,p-Xylene</i>	10115	ug/kg	200	ug/kg
<i>o-Xylene</i>	2171	ug/kg	100	ug/kg
	TOTAL	15779	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: *1/27/98*

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- 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: *3-Feb-98*
COC No.: *6822*
Sample No.: *17388*
Job No.: *2-1000*

Project Name: *Questar Energy - Kutz Canyon #1*
Project Location: *Test Hole @ 5'*
Sampled by: *BS*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *20-Jan-98* Time: *15:14*
GRO Date: *29-Jan-98*
DRO Date: *29-Jan-98*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	ND	mg/kg	0.5	mg/kg
<i>Diesel Range Organics (C10 - C28)</i>	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
<i>Gasoline Range (C5 - C9)</i>	ND	ppb	1,801	1,755	2.6	15%
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	202	1.1	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	75	72	(70-130)	4	20%
<i>Diesel Range (C10-C28)</i>	95	95	(75-125)	0	20%

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

Approved by: *[Signature]*
Date: *2/3/98*

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

TECHNOLOGIES, LTD.

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

Location: Kutz Canyon #1			
Quad:	M	Section:	22
Township:	28N	Range:	10W

Pits: Separator, Prod. Tank, & Drip Reference : 160' North of wellhead Size: 15' x 12' x 1' deep Yds: 183 cubic yards 1 5 - Point Composite(s)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> </thead> <tbody> <tr><td>1</td><td>Comp. 1</td><td>1.5</td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td></tr> <tr><td>9</td><td></td><td></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>	Sample #	Location	OVM	1	Comp. 1	1.5	2			3			4			5			6			7			8			9			10			11			12		
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Overview of Landfarm and Sampling :

Comments: Soil is dry, light brown coarse sand 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:	9902017	Client Sample ID:	Kutz Canyon #1 LF
Lab ID:	9902017-01A	Matrix:	SOIL
Project:	Kutz Canyon #1 LF	Collection Date:	1/28/99 2:00:00 PM
		COC Record:	5688

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 2/19/99
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: HR 2/6/99

Qualifiers:

PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
B - Analyte detected in the associated Method Blank	Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

CHAIN OF CUSTODY RECORD

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

Date:

215199

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