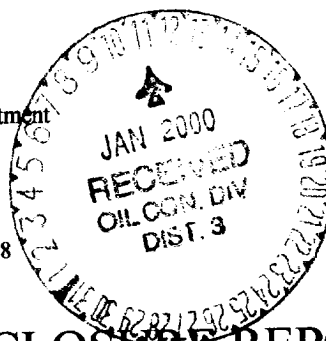


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

OK

Operator : Questar Energy Company Telephone: (505) 326-9195
Address: P.O. Box 2330 Farmington, NM 87499
Facility Or: Federal A #3E
Well Name _____
Location: Unit or Qtr/Qtr Sec P Sec 26 T 30N R 13W County San Juan
Pit Type: Separator _____ Dehydrator _____ Other Production Tank
Land Type: BLM X State _____ Fee _____, Other _____

Pit Location: Pit dimensions: Length 60 ft, width 40 ft, depth 8 ft
(Attach diagram)
Reference: wellhead X other _____
Footage from reference: 150 ft
Direction from reference: 25 Degrees X East North X
West South _____

Depth to Ground Water: 80 feet
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

_____	Less than 50 feet	(20 points)	
<u>X</u>	50 ft to 99 feet	(10 points)	
_____	Greater than 100 feet	(0 points)	<u>10</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)	
<u>X</u>	200 feet to 1000 feet	(10 points)	
_____	Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 1/22/98 Date Completed: 12/4/98

Excavation _____ Approx. cubic yards 667

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 1/26/98, the pit was excavated to a depth of 8 feet where bedrock was encountered. A sample was obtained from the west wall of the pit at a depth of 7 feet utilizing U.S.E.P.A. protocol and sent to On Site Technologies, Ltd. for GRO/DRO and BTEX analysis. Results provided concentrations below NMOCD guidelines. On 12/4/98, 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 West Wall

Sample depth 7 feet

Sample date 1/26/98

Sample time 11:05

Sample Results

Benzene(ppm) ND

Total BTEX (PPM) 0.082

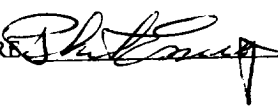
Field Headspace (ppm) 298

TPH 16.4

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. 26 T 30 N R 13 W

5. Lease Designation and Serial No.
SF-078231
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agmt. Design.:
8. Well Name and No.:
Federal A #3E
9. API Well No.:
30-045-23890
10. Field & Pool/Exploratory Area:
Basin Dakota / Basin Fruitland Coal
11. County or Parish, State:
San Juan, New Mexico

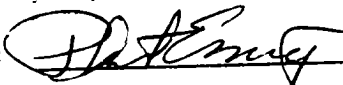
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back <input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair <input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing <input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> 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.

**Risk Assessment
Questar Energy Company
Federal A #3E**

Depth to Groundwater	80'
Distance to Water Source	>1000'
Distance to Surface Water	>1000'
TPH Limit (ppm)	1000

The subject pit was located in hard, well cemented sandstone at a depth averaging approximately 8 feet. The initial size of the pit was 20' x 20' x 3' deep. The stained soil was excavated to a final pit size of 60' x 40' x 8' deep (average). Excavated soil amounted to approximately 667 total cubic yards and was landfarmed on location.

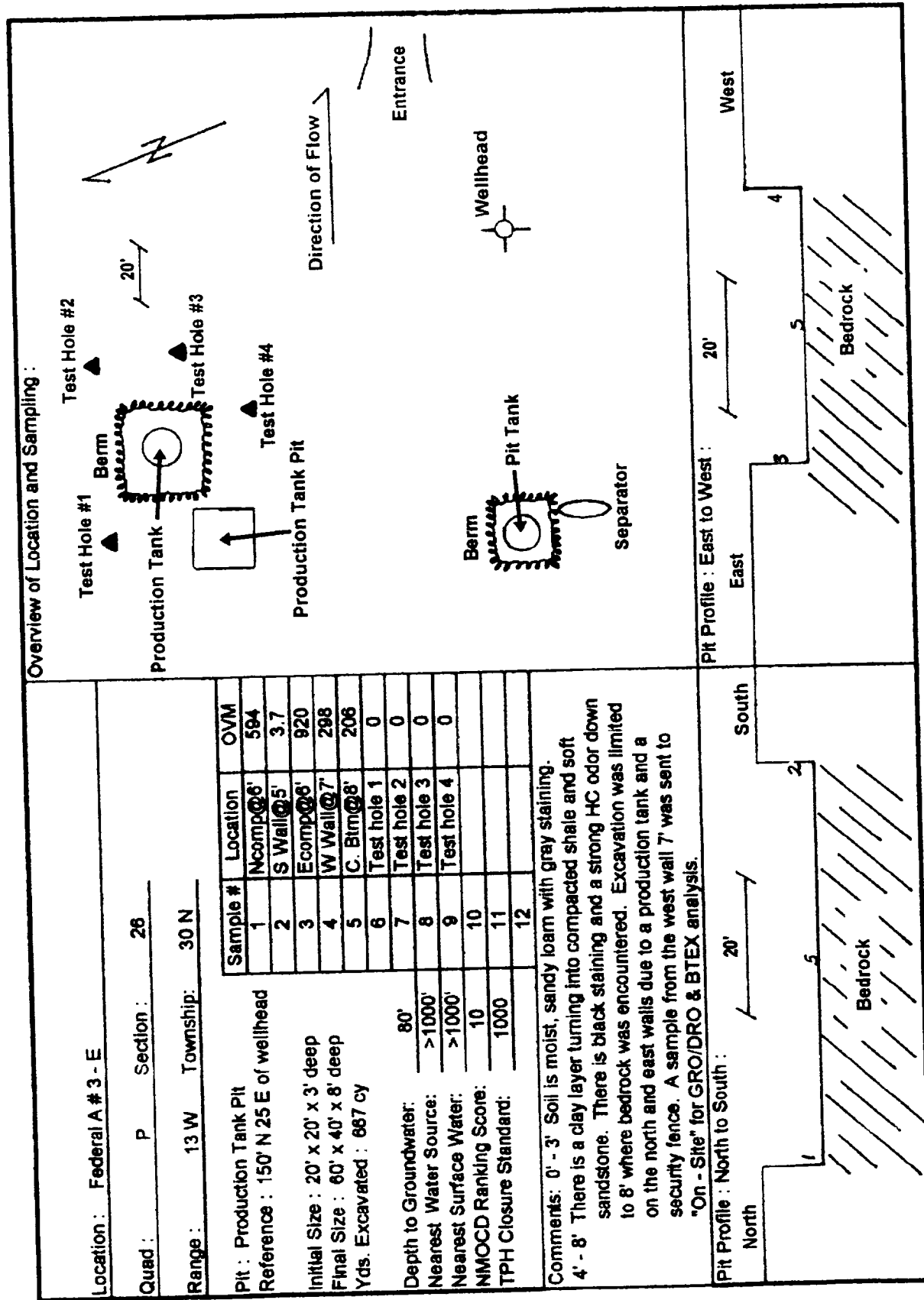
On January 22, 1998, Cimarron Environmental Services began excavation of the walls and bottom of the production tank pit. Excavation ceased on January 26, 1998. The pit was excavated to bedrock at a depth of 8 feet where headspace analysis revealed an OVM reading of 206 ppm. The walls showed some staining from approximately 4 feet to 8 feet in an undulating sandy clay layer approximately 1 foot thick. The upper portion of the walls (0 feet to 4 feet) showed no hydrocarbon staining or odor.

Five-point composite samples were taken from the north and east walls due to the length of the walls and extent of the staining. Headspace analysis of the north wall 5-point composite collected at 7 feet showed an OVM level of 594 ppm. A test hole was dug approximately 15 feet from the north wall to a depth of 5 feet where bedrock was encountered. There was no evidence of hydrocarbon staining. A sample was taken from the bottom of the test hole and field headspace analysis was performed. Results were 0.0 ppm. Headspace analysis of the east wall 5-point composite collected at 7 feet showed an OVM level of 920 ppm. Further excavation toward the east was limited due to the placement of the production tank and buried oil pipeline. Three test holes were dug 7 feet to 8 feet deep, to bedrock, on the east/northeast edge of the pit approximately 20 to 30 feet from the center. There was no evidence of hydrocarbon staining in any of the test holes. All three tested 0.0 ppm using the field headspace method.

Excavation of the west wall was limited due to the placement of a security fence around the entire location. The field headspace result was 298 ppm, Total Petroleum Hydrocarbons (TPH) was 16.4 ppm, Benzene was Non-Detect, and Total BTEX was 0.082. No test hole was dug due to the exposure of sandstone approximately 15 feet from the western edge of the pit. This would indicate that the lateral extent to the west is limited to that point.

Questar Energy Company has removed and remediated all soils to practical extent. Based on this information and the physical location of the pit, there is little to no risk to human health or the environment.

Client : Questar Energy Co.



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.: 6827
 Sample No.: 17412
 Job No.: 2-1000

Project Name: **Questar Energy - Federal A #3-E**Project Location: **W. Wall @ 7'**

Sampled by: VC Date: 26-Jan-98 Time: 11:05

Analyzed by: DC GRO Date: 29-Jan-98

Sample Matrix: Soil DRO Date: 29-Jan-98

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Gasoline Range Organics (C5 - C9)	1.4	mg/kg	0.5	mg/kg
Diesel Range Organics (C10 - C28)	15	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	1,755	2.6	15%
Diesel Range (C10 - C28)	ND	ppm	200	202	1.1	15%

Matrix Spike

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

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

Date: 2/3/98

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: *2-Feb-98*
COC No.: *6827*
Sample No.: *17412*
Job No.: *2-1000*

Project Name: *Questar Energy - Federal A #3-E*

Project Location: *W. Wall @ 7'*

Sampled by: *VC*

Date: *26-Jan-98* Time: *11:05*

Analyzed by: *DC*

Date: *28-Jan-98*

Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	2	ug/kg
<i>Toluene</i>	8	ug/kg	4	ug/kg
<i>Ethylbenzene</i>	30	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	30	ug/kg	4	ug/kg
<i>o-Xylene</i>	14	ug/kg	2	ug/kg
	<i>TOTAL</i>	82	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: *2/2/98*

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

CHAIN OF CUSTODY RECORD

6829

Date: 1/26/98 Page 1 of 1

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

Location: Federal A #3E		Overview of Landfarm and Sampling :																																								
Quad: P	Section: 26																																									
Township: 30N	Range: 13W																																									
Pit: Production Tank Reference: LF #1: 120' N of wellhead LF #2: 30' S 66° W of wellhead LF #3: 100' S 66° W of wellhead LF #4: 125' S 58° W of wellhead Size: LF #1: 30' x 30' x 2' deep LF #2: 40' x 50' x 2' deep LF #3: 40' x 20' x 2' deep LF #4: 30' x 60' x 2' deep Yds: 667 cubic yards																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Sample #</th> <th style="width:45%;">Location</th> <th style="width:40%;">OVM</th> </tr> </thead> <tbody> <tr><td>1</td><td>Comp. 1</td><td>1.0</td></tr> <tr><td>2</td><td>Comp. 2</td><td>1.0</td></tr> <tr><td>3</td><td>Comp. 3</td><td>1.5</td></tr> <tr><td>4</td><td>Comp. 4</td><td>1.5</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	1.0	2	Comp. 2	1.0	3	Comp. 3	1.5	4	Comp. 4	1.5	5			6			7			8			9			10			11			12				
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9																																										
10																																										
11																																										
12																																										
4 5 - Point Composite(s)																																										
Comments: Soil is light brown, moist, sandy soil with minimal visible staining and no hydrocarbon odors. Four 5-point composites were taken. A sample from Composite #4 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: 21-Dec-98

Client:	Cimarron Oilfield Service	Client Sample Info:	Questar Energy
Work Order:	9812015	Client Sample ID:	Fed A3E; Composite 4
Lab ID:	9812015-03A	Matrix:	SOIL
Project:	Questar Energy	Collection Date:	12/4/98 10:52:00 AM
		COC Record:	5621

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/18/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	12/15/98

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

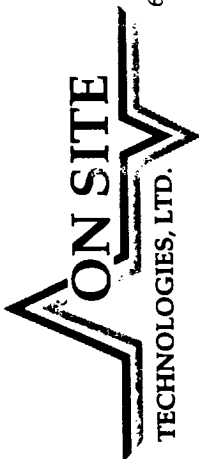
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Page _____ of _____

Date: _____

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