

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 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

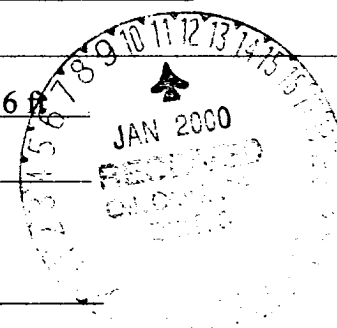
OK

PIT REMEDIATION AND CLOSURE REPORTOperator: Questar Energy Company Telephone: (505) 326-9195Address: P.O. Box 2330 Farmington, NM 87499Facility Or: Federal A #2

Well Name

Location: Unit or Qtr/Qtr Sec M Sec 26 T 30N R 13W County San JuanPit Type: Separator Dehydrator Other Production TankLand Type: BLM X State Fee , Other Pit Location: Pit dimensions: Length 20 ft, width 25 ft, depth 6 ft

(Attach diagram)

Reference: wellhead X other Footage from reference: 135 ftDirection from reference: Degrees East of North
X West South 

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>>100 feet</u>	<u> </u> Less than 50 feet (20 points)	
		<u> </u> 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).	<u> </u> 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.)	<u> </u> Less than 200 feet (20 points)	
	<u> </u> 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: 1/27/98 Date Completed: 12/4/98

Excavation _____ Approx. cubic yards 89

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 1/28/98, the pit was excavated to a depth of 6 feet where bedrock was encountered. A sample was obtained from the south wall of the pit at a depth of 6 feet utilizing U.S.E.P.A. protocol and sent to On Site Technologies, Ltd. for GRO/DRO and BTEX analysis. A sample from Test Hole #1 (south of the pit) at a depth of 6.5 feet was also sent to On Site Technologies, Ltd. For GRO/DRO 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 South Wall

Sample depth 6 feet (Bedrock)

Sample date 1/28/98

Sample time 13:35

Sample Results

Benzene(ppm) ND

Total BTEX (PPM) 10.754

Field Headspace (ppm) 646

TPH 205

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 Phil Emig

and TITLE Senior Operator

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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. 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 #2

9. API Well No.:
30-045-09153

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

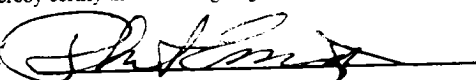
TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment ☐ Change of Plans
☒ Subsequent Report	☐ Recompletion ☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back ☐ Non-Routine Fracturing
	☐ Casing Repair ☐ Water Shut-Off
	☐ Altering Casing ☐ Conversion to Injection
	☒ Other: Pit Closure

(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**

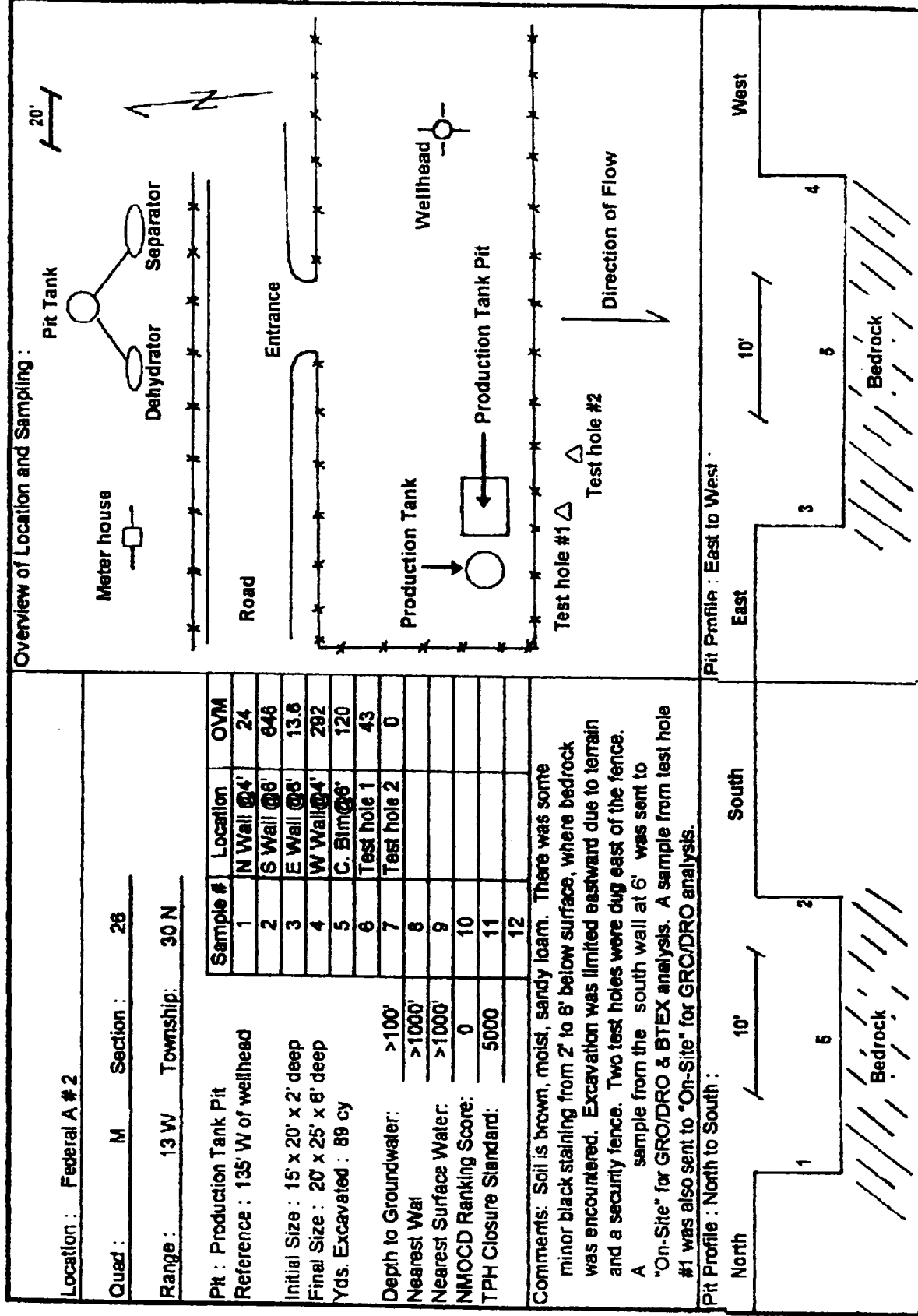
(This space for Federal or State office use)

Approved by _____
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.



OIE (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.: *6834*
 Sample No.: *17430*
 Job No.: *2-1000*

Project Name: ***Questar Energy - Federal A #2***Project Location: ***S. Wall @ 6'***Sampled by: *VC/FM*Date: *28-Jan-98* Time: *13:35*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
<i>Gasoline Range Organics (C5 - C9)</i>	<i>154</i>	<i>mg/kg</i>	<i>25</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>51</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppb</i>	<i>1,801</i>	<i>1,755</i>	<i>2.6</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>202</i>	<i>1.1</i>	<i>15%</i>

Matrix Spike

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

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 -

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.: *6834*
Sample No.: *17430*
Job No.: *2-1000*

Project Name: *Questar Energy - Federal A #2*
Project Location: *S. Wall @ 6'*
Sampled by: *VC/FM*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *28-Jan-98* Time: *13:25*
Date: *28-Jan-98*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	50	ug/kg
<i>Toluene</i>	1135	ug/kg	100	ug/kg
<i>Ethylbenzene</i>	1225	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	6142	ug/kg	100	ug/kg
<i>o-Xylene</i>	2252	ug/kg	50	ug/kg
	<i>TOTAL</i>	10754	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 -

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.: *6834*
 Sample No.: *17431*
 Job No.: *2-1000*

Project Name: *Questar Energy - Federal A #2*
 Project Location: *Test Hole 1 @ 6.5'*
 Sampled by: *VC/FM* Date: *28-Jan-98* Time: *13:30*
 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
<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*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

for EPA Method 8020

Reference Standard QC No.: 0529/30-QC

CHAIN OF CUSTODY RECORD

Date: 1/28/98

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

TECHNOLOGIES, LTD.

ON SITE

[illegible]

Overview of Landfarm and Sampling :																																										
Location : Federal A #2 Quad : M Section : 26 Township: 30N Range: 13W																																										
Pit : Production Tank Reference : 65' North 68° East of wellhead Size: 25' x 25' x 2' deep Yds : 89 cubic yards 1 5 - Point Composite(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> <tr><td>1</td><td>Comp. 1</td><td>0.5</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> </table>	Sample #	Location	OVM	1	Comp. 1	0.5	2			3			4			5			6			7			8			9			10			11			12				
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Comments: Soil is sandy soil with large river rocks. Soil is moist and light brown in color with no visible staining or hydrocarbon odors. A sample from Composite # 1 was sent to "On-Site Technologies, Ltd." for 8015 GRO/DRO analysis.																																										
Environmental Specialist :																																										

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 A2: Composite 1
Lab ID:	9812015-02A	Matrix:	SOIL
Project:	Questar Energy	Collection Date:	12/4/98 11:47:00 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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

