

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 OFFICEPIT REMEDIATION AND CLOSURE REPORT

OK

Operator : Questar Energy Company Telephone: (505) 326-9195Address: P.O. Box 2330 Farmington, NM 87499Facility Or: Lindrith #13E

Well Name

Location: Unit or Qtr/Qtr Sec O Sec 3 T 26N R 7W County Rio ArribaPit Type: Separator Dehydrator Other Production TankLand Type: BLM , State X, Fee , Other Pit Location: Pit dimensions: Length 15 ft, width 15 ft, depth 7 ft

(Attach diagram)

Reference: wellhead X other Footage from reference: 170 ftDirection from reference: 20 Degrees East North X
of
X West South

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

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

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

P:\pits\PrrC@.WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 10/20/97 Date Completed: 2/4/99

Excavation _____ Approx. cubic yards 41

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 10/20/97, the pit was excavated to a depth of 7 feet.
A sample was obtained from the center bottom 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 analysis.
Results provided concentrations below NMOCD guidelines. On 2/4/99, 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

Sample depth 7 feet

Sample date 10/20/97

Sample time 14:10

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

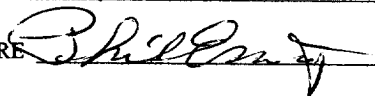
Field Headspace (ppm) 45

TPH 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 **X** 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 O Sec. 3 T 26 N R 7 W

5. Lease Designation and Serial No.
NM-079161

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.:
Lindrith #13E

9. API Well No.:
30-039-22915

10. Field & Pool/Exploratory Area:
Basin Dakota

11. County or Parish, State:
Rio Arriba, 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

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other: **Pit Closure**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

(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.

Location : Lindrith 13 E																																								
Quad : 0	Section : 3																																							
Range : 7 W Township: 26 N																																								
Pit : Production tank pit Reference : 170' N 20' W of wellhead Initial Size : 15' x 15' x 2' Final Size : 15' x 15' x 7' Yds. Excavated : 41 cy Depth to Groundwater: >100' Nearest Water Source: >1000' Nearest Surface Water: >1000' NMOCD Ranking Score: 0 TPH Closure Standard: 5000	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sample #</th> <th style="text-align: center;">Location</th> <th style="text-align: center;">OVM</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td style="text-align: center;">N wall @ 4'</td><td style="text-align: center;">ND</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">S wall @ 4'</td><td style="text-align: center;">0.1</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">E wall @ 4'</td><td style="text-align: center;">1.7</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">W wall @ 4'</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">Btm. @ 7'</td><td style="text-align: center;">45</td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> <tr><td style="text-align: center;">7</td><td></td><td></td></tr> <tr><td style="text-align: center;">8</td><td></td><td></td></tr> <tr><td style="text-align: center;">9</td><td></td><td></td></tr> <tr><td style="text-align: center;">10</td><td></td><td></td></tr> <tr><td style="text-align: center;">11</td><td></td><td></td></tr> <tr><td style="text-align: center;">12</td><td></td><td></td></tr> </tbody> </table>	Sample #	Location	OVM	1	N wall @ 4'	ND	2	S wall @ 4'	0.1	3	E wall @ 4'	1.7	4	W wall @ 4'	3	5	Btm. @ 7'	45	6			7			8			9			10			11			12		
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12																																								
Comments : Soil is light brown, slightly moist, silty clay. No visible staining within pit area. Sample #5 (Btm @ 7') was sent to "On-Site" for TPH (8015) testing. Sample is labeled 13 E #2 in the lab results.																																								

Overview of Location and Sampling :

The diagram illustrates the layout of the site. A Production Tank Pit is shown with a berm and a Production Tank. A Separator Pit and Separator are located to the right. A Wellhead is indicated by a symbol. A Meter Run is shown with a 10' scale bar. A Surface Gradient arrow points towards the top right. A North arrow is also present.

Pit Profile : North to South :	Pit Profile : East to West :
North	East

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-Oct-97*
COC No.: *6537*
Sample No.: *16645*
Job No.: *2-1000*

Project Name: *Questar Energy*
Project Location: *Lindrith #13E #2*
Sampled by: *VC* Date: *20-Oct-97* Time: *14:10*
Analyzed by: *DC/HR* GRO Date: *21-Oct-97*
Sample Matrix: *Soil* DRO Date: *21-Oct-97*

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	2,010	11.0	15%
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	222	10.4	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	99	99	(80-120)	1	20%
<i>Diesel Range (C10-C28)</i>	87	97	(75-125)	10	20%

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

Approved by: *[Signature]*
Date: *10/24/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



CHAIN OF CUSTODY RECORD

6537

Date: 10/20/97

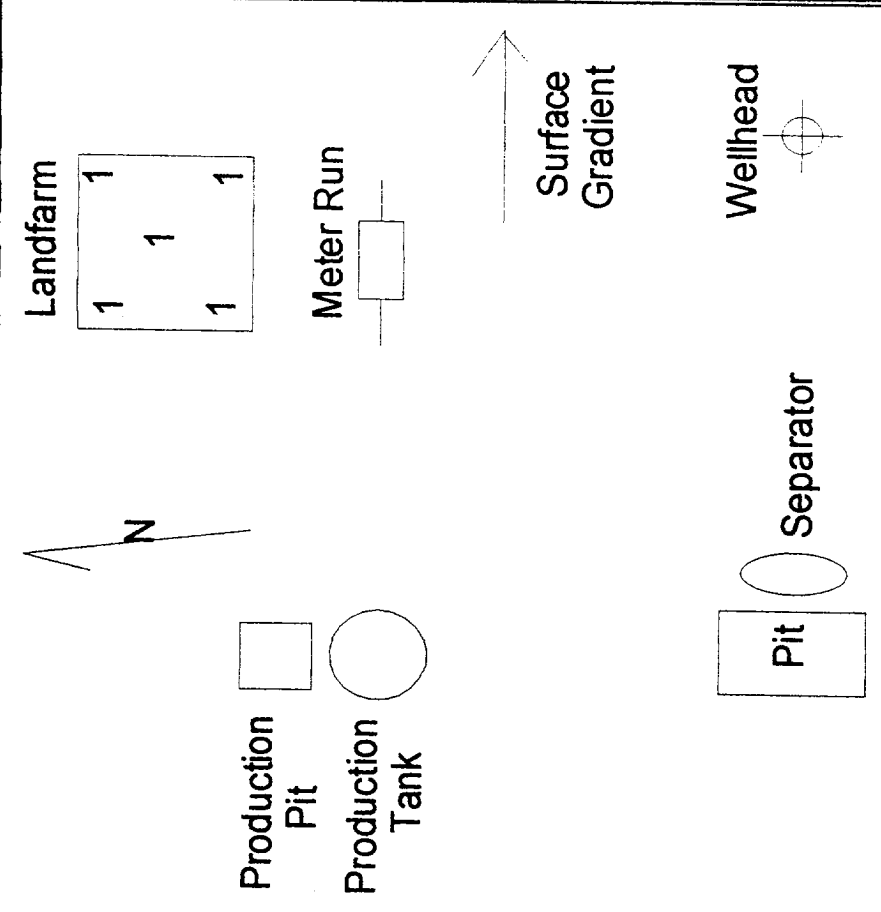
Page 1 of 1

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

Purchase Order No.:		Job No.	
Name: <u>Phil Emig</u>		Name: <u>Frank McDonald</u>	
Company: <u>Questar Energy</u>		Company: <u>Cimarron Oilfield Services</u>	
Address:		Mailing Address: <u>P.O. Box 3235</u>	
City, State, Zip: <u>Farmington, NM 87401</u>		City, State, Zip: <u>Farmington, NM 87401</u>	
Sampling Location: <u>Lindrith #13E</u>		Telephone No. <u>327-5049</u> Telefax No.	
Sampler: <u>Virgil Chavez</u>		ANALYSIS REQUESTED	
SAMPLE IDENTIFICATION		LAB ID	
Lindrith #13E #1		1	
Lindrith 13E #2		1	
Relinquished by: <u>Virgil Chavez</u>		Received by: <u>[Signature]</u>	
Relinquished by:		Received by:	
Relinquished by:		Received by:	
Method of Shipment:		Rush	
Authorized by: _____		Date: _____	
(Client Signature Must Accompany Request)		Date: _____	
Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client		Special Instructions:	

Client : Questar Energy Company

Date Started : February 4, 1999 Date Completed : February 4, 1999

Overview of Landfarm and Sampling :			
Location: <u>Lindrith #13E</u>			
Quad: <u>0</u>	Section: <u>3</u>		
Township: <u>26N</u>	Range: <u>7W</u>		
Pits: Separator & Production Tank	Sample #	Location	OVM
Reference: <u>150' North 15° East of wellhead</u> Size: <u>10' x 10' x 1' deep</u> Yds: <u>97 cubic yards</u> <u>1</u> <u>5 - Point Composite(s)</u>	1	Comp. 1	1
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
			
Comments: Soil is slightly moist, light brown silty clay with no visible staining or hydrocarbon odor. A sample from Composite #1 was sent to "On-Site Technologies, Ltd." for 8015 GRO/DRO analysis.			
Environmental Specialist : <u>RB</u>			

Ranking Score : 0 Closure Standard : 5000 ppm

Cimarron Environmental Service

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Feb-99

Client:	Cimarron Oilfield Service	Client Sample Info:	Lindrith #13E Landfarm
Work Order:	9902042	Client Sample ID:	Lindrith 13E Comp #1
Lab ID:	9902042-01A	Matrix:	SOIL
Project:	Lindrith #13E Landfarm	Collection Date:	2/4/99 9:15:00 AM
		COC Record:	5694

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 2/24/99
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: HR 2/12/99

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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