

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 24 1997

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to 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

UNIVERSAL RESOURCES

3. Address and Telephone No.

1331- 17th STREET, SUITE 300, DENVER, CO 80202 (303) 672-6917

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FSL & 1190' FWL, "M"

SECTION 25 T-30-N, R-13-W, SAN JUAN COUNTY, NM

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FEDERAL #A-1

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

SAN JUAN, NM

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

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ 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
☐ Dispose Water

(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'S SEPARATOR HAS BEEN CLOSED AND REPLACED WITH A DOUBLE BOTTOM STEEL TANK. DETAILS OF THE CLOSURE ARE ATTACHED.

RECEIVED
APR - 4 1997

OIL CON. DIV.
DIST. 2

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

Signed

[Signature]

Title

Inspector

Date

2-5-97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
900 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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: UNIVERSAL RESOURCES
QUESTAR ENERGY Telephone: (303) 672-6917
(505) 326-9195
Address: 1331- 17th STREET, SUITE 300, DENVER, COLORADO 80202
Facility Or: FEDERAL #A-1
Well Name 990' FSL & 1190' FWL
Location: Unit or Qtr/Qtr Sec "M" Sec 25 T 30N R 13W County SAN JUAN
Pit Type: Separator Dehydrator other ABANDONED SEPARATOR
Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 28', width 28', depth 21' (avg)
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 185'
Direction from reference: 8 Degrees East North X
of
X West South

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
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)
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)
Greater than 1000 feet	(0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 14 Nov. 1996 Date Completed: _____

Remediation Method: Excavation ☒ Approx. cubic yards 610
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

EXCAVATED SOIL MIXED WITH COW MANURE AND
STOCKPILED INTO COMPOST ROWS ON LOCATION.
LANDFARM (COMPOST) TESTED BELOW CLOSURE
STANDARDS 2/3/97.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location CENTER, BOTTOM OF P.T.

Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 19'

Sample date 15 Nov. 1996 Sample time 16:10

Sample Results

Benzene(ppm) 0.04

Total BTEX(ppm) 50.89

Field headspace(ppm) _____

TPH 897

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 2-5-97

SIGNATURE Phil Emig PRINTED NAME AND TITLE PHIL EMIG FORMAN

Co. Code: C I N O I - 1-800-321-2537

ONE CALL REQUEST

Company: QUESTAR ENERGY

Foreman: Phil Emig Phone: 326-9195

Location: FEDERAL A-1

Range: 13W

Township: 30N

Section: 25

Quarter: "M"

Directions: FROM COLLEGE DR. & PINON HILLS BLVD
N ON COLLEGE DR 1 MILE PAST PINON HILLS
TO LOCATION

Reason for call: Pit Excavation - ENVIRONMENTAL - Remediation
Meter# ENTIRE LOCATION Area

Person Calling: FRANK McDONALD Phone #:

ID# 9611108040029

Work done by: Cimarron Oilfield Service, Co.

Notify: CITY OF FARMINGTON

PWM

Williams Field Services

PIT CLOSURE EXCAVATION LOG

Client : Questar Energy

Location Name :

Federal # A - 1

Pit : Abandoned Separator

Quad/Unit "M"

Sec.: 25

Twn. : 30 N

Rng. : 13 W

County : San Juan

State : NM

NMPPM

NMOCD Closure Std.: 5000 ppm

Pit Size :

Initial : 15' x 12' X 3' deep

Final : 28' x 28' x 21' deep avg. Total Cu. Yds: 610

Field Testing Equipment :

Environmental Instruments ; PID Model # 580 D

Remediation Method : Composted

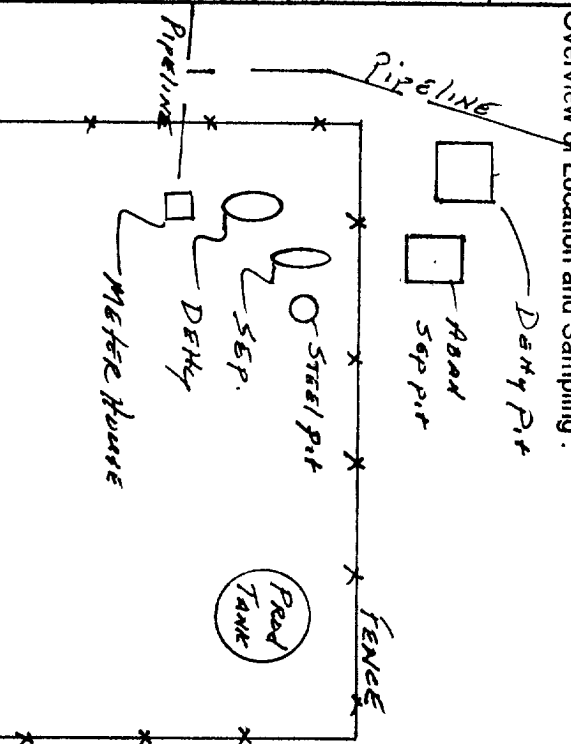
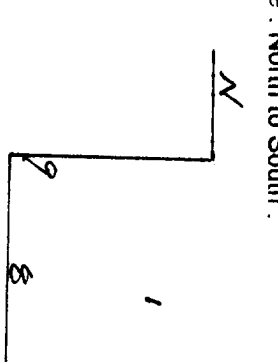
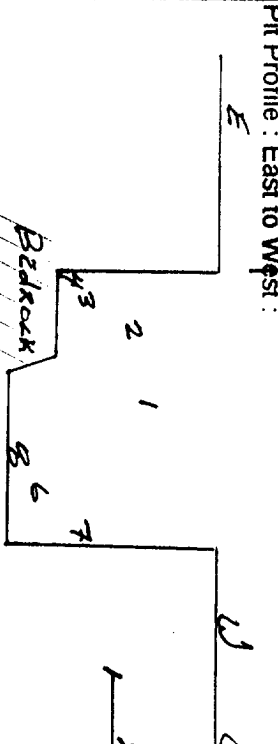
EXCAVATION LOG

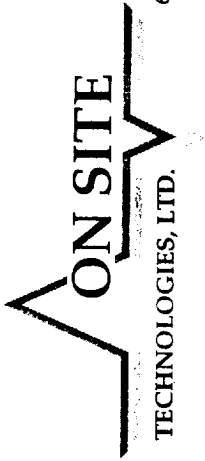
Date	Excavation Direction	Soil Deviation	Staining	Sample Number	Sample Type	Sample Location	Sample Depth	Test	Results (ppm)
11/14/96	Vertical	None	Black - Gray	1	grab	CTR	7'	F. Headspace	312
11/14/96	South & East	None	Black - Gray	2	grab	SE Corner	9'	F. Headspace	252
11/14/96	South & East	Coarse Sand	Black - Gray	3	grab	SE Corner	14'	F. Headspace	337
11/14/96	Vertical	Bedrock	No	N/A	N/A	N/A	17'	N/A	N/A
11/15/96	East	None	No Stain	4	grab	East Wall	15'	F. Headspace	0.7
11/15/96	South	None	Black - Gray	5	grab	South Wall	15'	F. Headspace	344
11/15/96	Vertical & West	Coarse Sand	Black - Gray	6	grab	Bottom	19'	F. Headspace	347
								TPH	
								BTEX	
11/18/96	West	None	Black - Gray	7	grab	West Wall	12'	F. Headspace	207
11/18/96	Vertical & North	Coarse Sand	Black - Gray	8	grab	Bottom	23'	F. Headspace	284
11/18/96	North	None	Black - Gray	9	grab	North Wall	17'	F. Headspace	170

Comments / Recommendations :

Environmental Specialist



Location : Federal # A-1		Overview of Location and Sampling : 																																								
Quad : "M" Section : 25																																										
Township: 30N Range: 13W																																										
Pit : Aband. Separator Reference : 185 feet N 8° W of Wellhead Initial Size : 15' x 12' x 3' deep Final Size : 28' x 28' x 21' deep Yds. Excavated : 610 cubic yards																																										
Comments : Soil is moist, yellow to brown, sandy with some clay mixed. " @ 17' to 23' in depth, soil is coarse sand with some pebbles. Black to Gray staining occurs from 6' to 23'. Bedrock occurs on East half of pit. Sample # 6 sent to On-Site labs for TPH (418.1) and BTEX (8020).		Pit Profile : North to South : 																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sample #</th> <th style="width: 40%;">Location</th> <th style="width: 50%;">OVM(ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>Center @ 7'</td><td>312</td></tr> <tr><td>2</td><td>SE corner @ 9'</td><td>252</td></tr> <tr><td>3</td><td>SE corner @ 14'</td><td>337</td></tr> <tr><td>4</td><td>E Wall @ 15'</td><td>0.7</td></tr> <tr><td>5</td><td>S Wall @ 15'</td><td>344</td></tr> <tr><td>6</td><td>Blm @ 19'</td><td>347</td></tr> <tr><td>7</td><td>W Wall @ 12'</td><td>207</td></tr> <tr><td>8</td><td>Blm @ 23'</td><td>284</td></tr> <tr><td>9</td><td>N Wall @ 17'</td><td>170</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(ppm)	1	Center @ 7'	312	2	SE corner @ 9'	252	3	SE corner @ 14'	337	4	E Wall @ 15'	0.7	5	S Wall @ 15'	344	6	Blm @ 19'	347	7	W Wall @ 12'	207	8	Blm @ 23'	284	9	N Wall @ 17'	170	10			11			12			Pit Profile : East to West : 	
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657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

CHAIN OF CUSTODY RECORD

6192

Date: 11/15/96 Page 1 of 1

Purchase Order No.:		Job No.:	
Name: PHIL EMILG		Title:	
Company: QUESTAK ENERGY		Company:	
Address:		Mailing Address:	
City, State, Zip:		City, State, Zip:	
Telephone No.:		Telephone No.:	
Telefax No.:		Telefax No.:	
Sampling Location: FEDERAL A-1 (Aban Sep 7.1)		ANALYSIS REQUESTED	
Sampler:		LAB ID	
REPORT TO RESULTS TO		Number of Containers	
Date: 11/15/96		Date: 11/15/96	
Time: 11:15		Time: 11:15	
Matrix: SOIL		Matrix: SOIL	
PRES.:		PRES.:	
Relinquished by: [Signature]		Date/Time: 11/15/96 1630	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Method of Shipment:		Date/Time:	
Authorized by: [Signature]		Date: 11/15/96 1630	
(Client Signature Must Accompany Request)		Date/Time:	
Rush		Date/Time:	
Monday 11/18/96		Date/Time:	
24-48 Hours		Date/Time:	
10 Working Days		Date/Time:	
Special Instructions:		Date/Time:	

OFF: (505) 325-5667



LAB: (505) 325-1556

TOTAL PETROLEUM HYDROCARBONS

Attn: *Phil Emig*
Company: *Questar Energy Company*
Address: *P.O. Box 2330*
City, State: *Farmington, NM 87499*

Date: *18-Nov-96*
COC No.: *6192*
Sample No. *12883*
Job No. *2-1000*

Project Name: *Questar Energy Company - Federal A-1 (Abandoned Sep. Pit)*
Project Location: *Bottom @ 19'*
Sampled by: *NR* Date: *15-Nov-96* Time: *NR*
Analyzed by: *DC* Date: *18-Nov-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	897	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	< 25	< 25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	892	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
12884-4365	<0.1	15.0

Approved by: 
Date: *11/18/96*

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn: *Phil Emig*
Company: *Questar Energy Company*
Address: *P.O. Box 2330*
City, State: *Farmington, NM 87499*

Date: 18-Nov-96
COC No.: 6192
Sample No. 12883
Job No. 2-1000

Project Name: *Questar Energy Company - Federal A-1 (Abandoned Sep. Pit)*
Project Location: *Bottom @ 19'*
Sampled by: NR Date: 15-Nov-96 Time: NR
Analyzed by: DC Date: 18-Nov-96
Sample Matrix: *Soil*

Laboratory Analysis

<i>Component</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	37.1	ug/kg	0.2	ug/kg
<i>Toluene</i>	1107.1	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	3837.0	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	42075.6	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	3837.6	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	50894.4	ug/kg	

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

Approved by: *[Signature]*
Date: 11/18/96

OFF: (505) 325-5667



LAB: (505) 325-1556

QUALITY ASSURANCE REPORT*for EPA Method 8020*

Date Analyzed: 18-Nov-96

Internal QC No.: 0515-QC

Surrogate QC No.: 0516-QC

Reference Standard QC No.: 0417-QC

Method Blank

Analyte	Result	Units of Measure
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.3	4	15%
Toluene	ppb	20.0	19.8	1	15%
Ethylbenzene	ppb	20.0	20.1	0	15%
m,p-Xylene	ppb	40.0	39.7	1	15%
o-Xylene	ppb	20.0	19.9	0	15%

Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	118	110	(39-150)	5	20%
Toluene	120	112	(46-148)	5	20%
Ethylbenzene	122	113	(32-160)	5	20%
m,p-Xylene	118	110	(35-145)	5	20%
o-Xylene	115	107	(35-145)	5	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)	
12883-6192	93	

S1: Fluorobenzene

Date Started : 3 Feb. 1997 Date Finished : 3 Feb. 1997

Location : Federal # A-1

Township: 30N Range: 13W

Pit : Abandoned Separator

Sample #	Location	OVM(ppm)
1	N Landfarm	22.9
2	Mid Landfarm	31.5
3	S Landfarm	29.7

Reference : 75' W of Wellhead

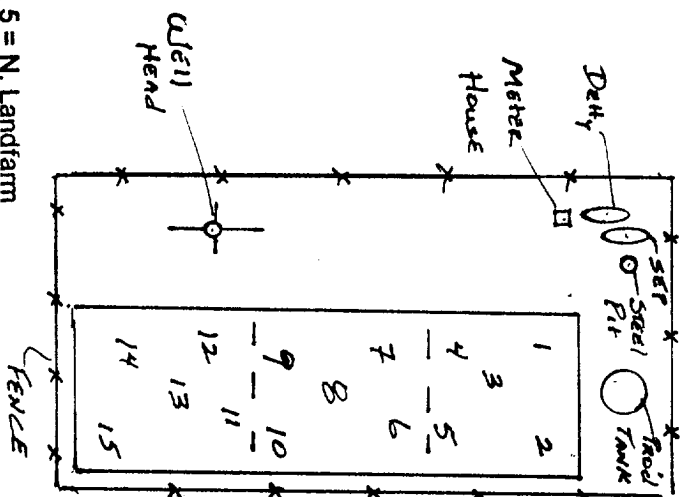
Size :

Yds: 610 cubic yards

3 - 5 Point Composite Samples

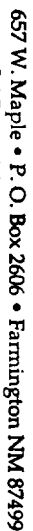
Note:

Comments : TPH 418.1 sample pulled from Mid Landfarm (Sample # 2) and sent to On-Site Labs for analysis.



Sample Points 1 thru 5 = N. Landfarm
Sample points 6 thru 10 = Mid Landfarm
Sample Points 11 thru 15 = S. Landfarm

6289



LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 3 Feb 97

Page 1 of 1

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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Phil Emig*
Company: *Questar Energy Company*
Address: *P.O. Box 2330*
City, State: *Farmington, NM 87499*

Date: *4-Feb-97*
COC No.: *6289*
Sample No.: *13623*
Job No.: *2-1000*

Project Name: *Questar Energy - Fed. #A-1*
Project Location: *Mid L-Farm*
Sampled by: *FM*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *3-Feb-97* Time: *14:47*
Date: *4-Feb-97*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>	<i>Method</i>
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>262</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

<i>Laboratory Identification</i>	<i>Analyzed Value</i>	<i>Acceptable Range</i>	<i>Unit of Measure</i>
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>< 25</i>	<i>< 25</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>900</i>	<i>828 - 1024</i>	<i>mg/kg</i>

Duplication

<i>Laboratory Identification</i>	<i>(% RSD)</i>	<i>Limit (% RSD)</i>
<i>13623-6289</i>	<i>3.8</i>	<i>15.0</i>

Approved by: *[Signature]*
Date: *2/4/97*