3R - 56

REPORTS

DATE:
1994

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 or to deepen or reentry to a different reservoir.
Use "**APPLICATION FOR PERMIT**" For such proposals

5. Lease Designation and Ser. No.: JAT 124, 125 Leases
6. If Indian, Allottee or Tribe Name: Jicarilla Apache
7. If Unit or CA, Agreement Designation:

SUBMIT IN TRIPLICATE

RECEIVED
FEB 06 1995
Environmental Bureau
Oil Conservation Division

1. Type of Well: Oil Well Gas Well X Other
8. Well Name and No.: Jicarilla Evaporation ~~Pond~~
2. Name of Operator: MW Petroleum c/o Apache Corporation
9. API Well No.:
3. Address and Telephone No.: 304 N. Behrend Farmington, NM 87401 505-325-0318
10. Field and Pool, or Exploratory Area:
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 2850' FNL & 1500' FEL Sec. 23, T25N, R4W
11. County or Parish, State: Rio Arriba, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	Change of Plans
X Subsequent Report	Recompletion	New Construction
	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other Evaporation Pond Closure	Dispose Water
	(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form.)	

RECEIVED
DEC - 7 1994
OIL CON. DIV.
DIST. 3

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.)

Due to the non-presence of contaminates in the evaporation pond, MW Petroleum proposes to close this pond in the following manner:

1. De-water pond completely.
2. Remove all surface equipment.
3. Evaporation pond liner removed, fill taken to disposal, contoured and re-seeded.
4. Backfill and cover the pond site.

*

pwl 12/7/94

14. I Certify that the foregoing is true and correct
Signed [signature] Title Production Superintendent Date: 10-6-94

(This space for Federal or State office use)
Approved by [signature] Title Chief, Lands & Minerals Date 12/15/94
Conditions of approval, if any:

Supply copies of test results to BLM, Surface Managing Agency + Jicarilla Tribe

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency to the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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JAT 124, 125 Leases

6. If Indian, Allottee or Tribe Name
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SUBMIT IN TRIPLICATE

1. Type of Well:
Oil Well Gas Well X Other

8. Well Name and No.
Jicarilla Evaporation Pond

2. Name of Operator
MW Petroleum c/o Apache Corporation

9. API Well No.

3. Address and Telephone No.
304 N. Behrend Farmington,NM 87401 505-325-0318

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage,Sec.,T.,R.,M., or Survey Description)
2850' FNL & 1500' FEL Sec.23, T25N, R4W

11. County or Parish, State
Rio Arriba, NM

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(Note: Report results of multiple completions 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.)

Due to the non-presence of contaminates in the evaporation pond, MW Petroleum proposes to close this pond in the following manner:

1. De-water pond completely.
2. Remove all surface equipment.
3. Fold in the pit liner.
4. Backfill and cover the pond site.

14. I Certify that the foregoing is true and correct
Signed Steve Phillips Title Production Foreman Date: 10-26-93

(This space for Federal or State office use)

Approved by Title Date

Conditions of approval, if any:

NMOCD

Check w/F

304 N. BEHREND/FARMINGTON, NEW MEXICO 87401 CORPORATION

505/325-0318

Darrell Tafoya - Realty
Bureau of Indian Affairs
Dulce, New Mexico
9-27-93

MW Petroleum
Apache Corporation
304 N. Behrend Ave.
Farmington, NM 87401
(505) 325-0318

Mr. Tafoya,

We are proposing to close the evaporative pond located in I-Sec.23-T25N-R4W.

We acquired this pond from Amoco in September 1991 and immediately ceased discharging produced water into the pond. The evaporative system was re-instated at that time.

In May 1992, water samples from the pond were sent to a laboratory for analysis. (See attachment). The water was shown to not contain any petroleum or benzenes. Evaporation of the pond was continued in the summer months of 1992 and was emptied by July of 1993, when the system was shut down. The water presently in the pond is rain water.

The leak detection system (See Amoco pit specifications and permit attachment) has been monitored and has never shown a pit liner leak.

The depth to the closest ground water is at 750 ft.(from a water well in use 1000 ft. from the pond).

Due to the non-presence of contaminates in the pond, we propose to remove all surface evaporate equipment, de-water the pond completely, fold in the pit liner, backfill and cover the pond site.

We are requesting approval for this procedure.

Sincerely,

M. McCool

Mark McCool
Production Superintendent

GULF STATES ANALYTICAL, INC
5445 Northwest Central Drive, Suite 110
Houston, Texas 77092 (713) 690-4444 FAX (713) 690-5646

ANALYSIS REPORT

Apache Corporation
304 N. Behrend
Farmington, NM 87401

Attn: Mr. Stan Phillips
Project: West Lindrith Evaporative Pond

Sample ID: Evaporative Pond
Matrix: Water

GSAI Sample: 42082
GSAI Group: 7394
Date Reported: 06/12/92
Discard Date: 07/12/92
Date Submitted: 05/30/92
Date Sampled: 05/29/92
Collected by:
Purchase Order:
Project No.:

Test	Analysis	Results as Received	Units	Limit of Quantitation
0212	Total Dissolved Solids Method: EPA 160.1	55,300	mg/l	1
1124	Chloride Method: EPA 325.3	31,300	mg/l	1,000
1126	Total Petroleum Hydrocarbons Method: EPA 418.1/3510	ND	mg/l	1
0516	BTEX Analysis Method: EPA 602/5030			
	Benzene	ND	ug/l	1
	Toluene	ND	ug/l	1
	Ethylbenzene	ND	ug/l	1
	Xylenes (total)	ND	ug/l	1

ND - Not detected at the limit of quantitation

Respectfully Submitted,
Reviewed and Approved by:

Karen L. Veuschoor
Project Manager

ANALYSIS REPORT FACSIMILE

Date : June 15, 1992
Deliver To: Mr. Stan Phillips
Company : Apache Corporation
Phone : 505-325-0318
Fax Number: 505-325-0328

From : Karen L. Verschoor
Company : GULF STATES ANALYTICAL, INC.
Fax Number: (713) 690-5646

Attached are the analytical results for the sample you submitted on May 29, 1992 and assigned to GSAI Group Number 7394.

Please let me know if you have any questions.

GULF STATES ANALYTICAL, INC.
[illegible] Northwest Central Drive, Suite 110
Houston, Texas 77092 (713) 690-4444, FAX (713) 690-5646

06/12/92

Mr. Stan Phillips
Apache Corporation
304 N. Behrend
Farmington, NM 87401

Reference:
Project: West Lindrith Evaporative Pond
GSAI Group: 7394

Dear Mr. Phillips:

Enclosed are the analytical results for your project referenced above. The following sample is included in the report.

Evaporative Pond

All holding times were met for the tests performed on these samples.

Our A2LA accreditation requires that, should this report be reproduced, it must be reproduced in total.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting Gulf States Analytical, Inc. to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely yours,

Karen L. Verschoor
Project Manager

Amoco Production Company

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

R. W. Schroeder
District Superintendent

January 9, 1981

APPROVED

APR 20 1981
for JAMES F. SIMS
DISTRICT OIL & GAS SUPERVISOR

RECEIVED
JAN 15 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

U. S. Geological Survey
P. O. Box 959
Farmington, NM 87401

File: WLP-2-986.634

Request for Surface Disposal of Produced Water to a Lined Pit.

Amoco Production Company is filing the following application for surface disposal of produced water to a lined pit in accordance with regulation NTL-2B. The lined pit will serve our Jicarilla Apache Tribal 124 and 125 leases located in Sections 13, 14, 23, 24, 25, 26, 35 and 36, Township 25 North, Range 4 West. The lined pit will service and be a part of the gathering system we are installing on these leases. We have attached a topographic map of the area, a composite water analysis, pit design, leakage detection system diagram and the following information as required by the NTL-2B regulation.

1. The names of the wells to be served presently by the lined pit and their location, water production rates and water analysis are attached.

2. Average annual lake evaporation for this township is approximately 46".

3. When the pit is 60% full of precipitated solids, the pit will be covered, the land surface restored and application for a new lined pit will be filed.

4. The pit will be 227' x 227' and lined with a 36 mil nylon reinforced chlorinated polyethylene. The liner will be installed in 5 panels of 240' x 50' and joined with solvent weld seams.

5. Leak Detection Method - 12" x 24" trench with 4" perforated pipe and pea gravel draining to an outside pit for observation (see pit design).

We will notify you prior to lining the pit that the leak detection system is complete so you may inspect it.

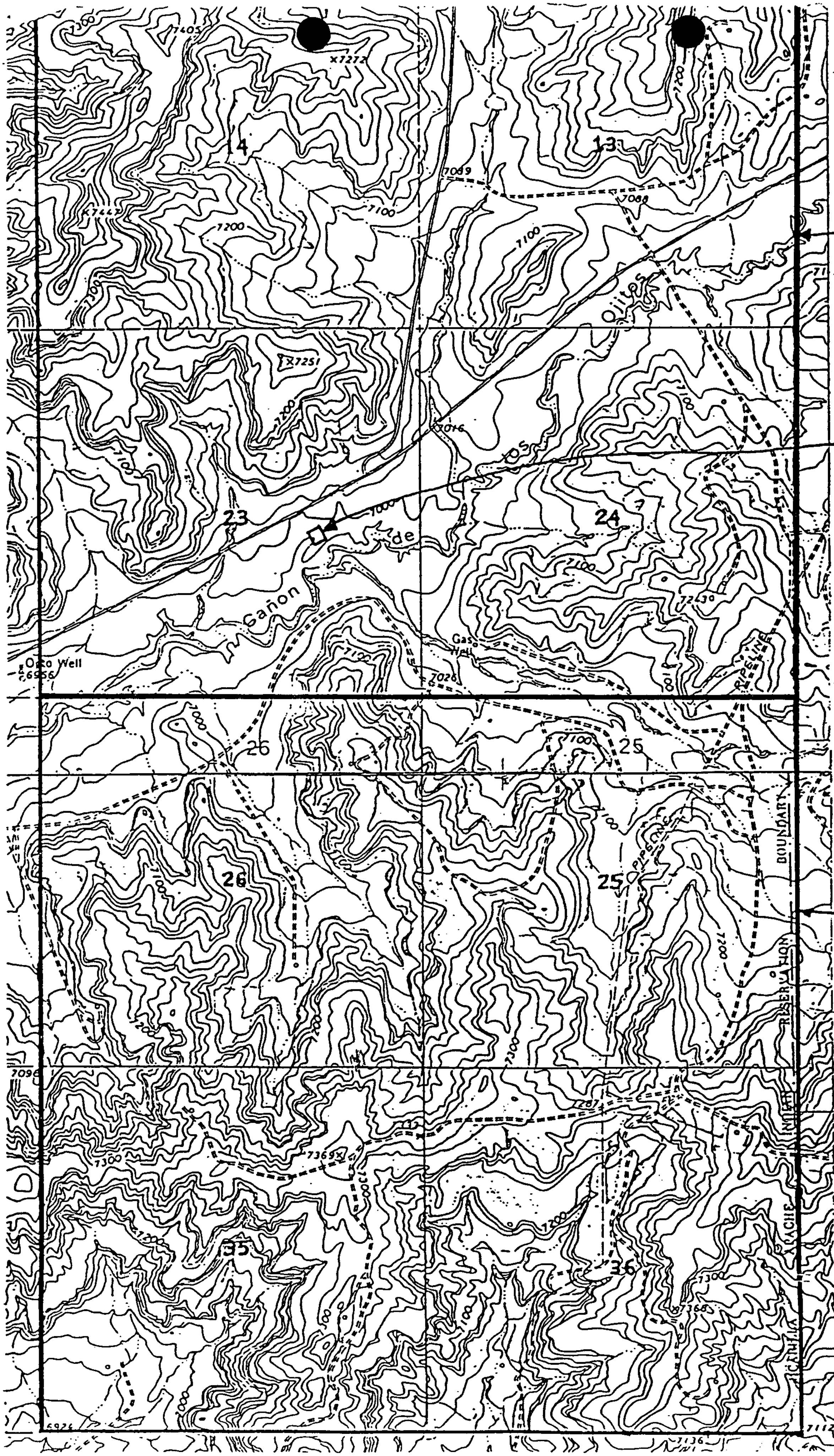
Yours very truly,

R. W. Schroeder

SMC/ml

Attachments/3

System T25N
R4W



Jicarilla Apa
Tribal 124
Lease

Lined pit
227'x227'
~2850' FNL,
~1500' FEL
to North corne
Section 23,
T25N, R4W
The pit will
be located
with our propo
Central Battery

Jicarilla Apach
Tribal 125
Lease

WELL DATA AND COMPOSITE WATER ANALYSIS

WELL NAME		LOCATION	BWPD
Jicarilla Apache Tribal	124 No. 1	L-23-25-4	.5
"	124 No. 2	F-23-25-4	1
"	124 No. 3	J-13-25-4	.5
"	124 No. 4	J-23-25-4	*
"	124 No. 5	H-23-25-4	*
"	124 No. 6	B-24-25-4	*
"	124 No. 7	M-13-25-4	*
"	124 No. 8	J-14-25-4	*
"	124 No. 9	E-24-25-4	*
"	125 No. 1	M-35-25-4	1
"	125 No. 2	C-35-25-4	.5
"	125 No. 3	L-26-25-4	.5
"	125 No. 4	F-26-25-4	.5
"	125 No. 5	J-35-25-4	*
"	125 No. 6	J-26-25-4	*
"	125 No. 7	H-35-25-4	*
"	125 No. 8	G-26-25-4	*

* Indicates well is not producing at this time so water production is unknown but is estimated to be approximately 1 BWPD.

All wells served by this pit are commingled West Lindrith Gallup - Dakota producers. Based on water analysis of the 124 No. 1 and 125 No. 1, the composite water analysis will be near the following:

Sodium	Chloride	Sulfate	Bicarbonate	Calcium	TDS
6,900 ppm	9,900 ppm	1,900 ppm	660 ppm	390 ppm	19,700 ppm

An exact composite analysis can be furnished if required, once the pit is in operation.

Site Preparation

1. Read all instructions carefully and completely before proceeding.

2. Locate reference stakes. Four (4) mark the outside corners of the berms and 2 mark the center line of the pit. Refer to drawing No. 1 for stake location.

3. Refer to drawings No. 2, No. 3 and No. 4 showing the general pit specifications. For detailed specifications, refer to the Specification Tables.

4. Note that the front view on drawing No. 3 shows a one foot drop between the base of the berm parallel to the center line and the center line itself.

5. The pit will be excavated to allow at least a 4" clean sand fill over the entire pit and berms. The berm and the bottom of the pit must be level.

6. A 24" wide trench will be dug along the center line of the pit as shown in the side view on drawing No. 4.

7. The trench will be dug starting at 12" deep from the bottom of the pit and will be dug to 24" deep at the inside base edge of the opposite berm.

8. The trench will then be continued for an additional 29'.

9. Location of the high side on the center line of this trench is up to the discretion of the supervisor.

10. A 2" layer of pea gravel will be placed in the bottom of the trench.

11. The leak detection pipe system (refer to drawing No. 1) will then be placed on top of the 2" layer of pea gravel in the bottom of the trench.

12. The 12" by 8' vertical sump should be placed as to mark the outside edge of the berm.

13. The trench will then be filled with pea gravel over the perforated pipe interval and regular soft soil over the remaining portion of the system.

14. The berm slopes are to be 3:1 and to the size indicated in drawings No. 3 and No. 4.

15. The entire pit and berms are to be compacted.

16. The bed of the pit and the inside slopes need sufficient preparation to insure that all holes, rocks, stumps, clods and other debris are removed.

17. An 18" wide by 18" deep anchor trench will be dug approximately one foot back from the crest of the berm (refer to drawing No. 1).

18. A 4" layer of clean sand will then be placed over the entire pit area and berms.

19. The sand layer should be smoothed and roller compacted.

20. The sand layer will be hand raked and smoothed immediately prior to liner installation.

21. The pit should now conform to specifications shown in all drawings.

Installation of the Liner

1. Do not store liner in direct sunlight.

2. Refer to special instructions on liner carton.

3. These instructions show how to unfold the accordian folder liner.

4. Once the liner is unfolded, make sure that the liner is smooth and no air is trapped under liner.

5. Once the liner is in place, move to the anchor trench.

6. Place at least 2' of the liner into the anchor trench.

7. Cut off all excess liner material leaving at least two pieces that are four feet square.

8. Fill anchor trench with regular soil and compact.

9. Place the concrete pad (refer to drawing No. 2) on the berm crest but not on the liner at the point where the blow line will be located.

10. The blow line must go over the berm wall.

11. The blow line will be sloped downward towards the pit at least 1 degree to allow for drainage during the winter.

12. A swirler or some means will need to be employed to avoid high pressure discharge onto the liner.

13. Glue two 4' square excess liner material pieces together.

14. Once the blow line has been installed, determine where the water from the blow line will strike the liner.

15. At this point, glue the double liner piece made in step No. 13

to the pit liner at the point established in step No. 14.

16. The pit liner should now be in place for use.

17. Any additional work or minor changes are upon the discretion of the field foreman.

18. Any major changes in design must be reported to the Project Engineer.

Notes:

1. Use shoes with smooth, protrusion free soles and heels, preferably rubber soled when working on the liner itself.

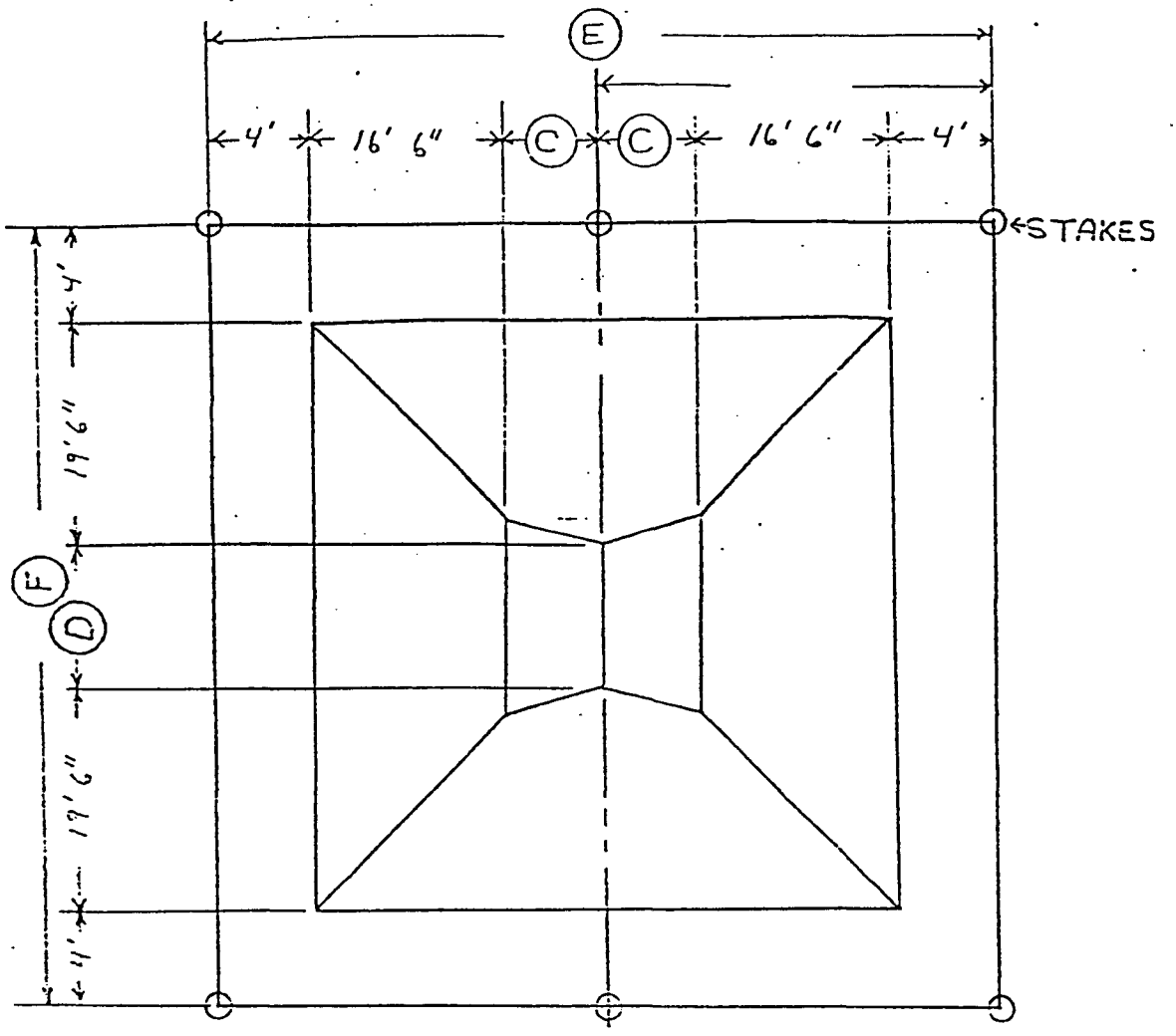
2. Field forklift will be required to unload pallet with liners.

3. At least 6 men will be needed to handle liner.

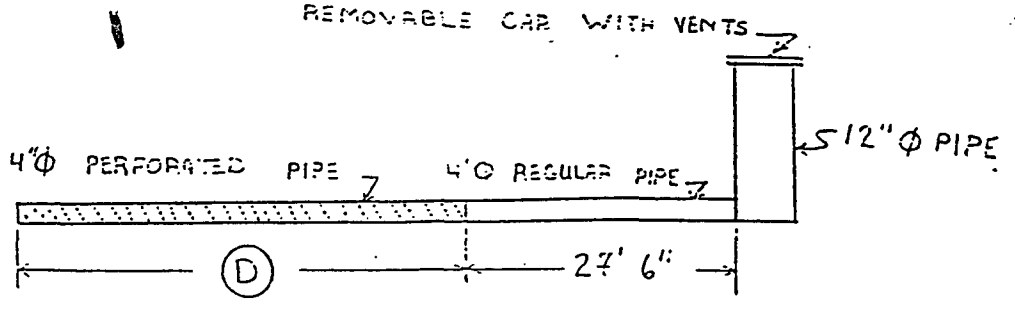
PIT SPECIFICATIONS

A	A'	B	C	D	E	F	G	H
53'6"	53'6"	10'4"	10'3"	14'6"	61'6"	61'6"	71'6"	71'6"
75'8"	75'8"	21'4"	21'4"	36'8"	83'8"	83'8"	93'8"	93'8"
53'6"	106'11"	10'4"	10'3"	67'11"	61'6"	114'11"	71'6"	124'11"
92'8"	92'8"	29'10"	29'10"	53'8"	100'8"	100'8"	110'8"	110'8"
53'6"	160'7"	10'4"	10'3"	121'7"	61'6"	168'7"	71'6"	178'7"
106'11"	107'0"	37'0"	37'0"	68'0"	115'0"	115'0"	125'0"	125'0"
75'8"	151'1"	21'4"	21'4"	112'1"	83'8"	14'0"	93'8"	169'1"
131'0"	131'0"	49'0"	49'0"	92'0"	139'0"	139'0"	149'0"	149'0"
75'8"	226'8"	21'4"	21'4"	187'8"	83'8"	234'8"	93'8"	244'8"
92'8"	185'1"	29'10"	29'10"	146'1"	100'8"	193'1"	110'8"	203'1"
160'0"	160'0"	63'6"	63'6"	121'0"	168'0"	168'0"	178'0"	178'0"
92'8"	276'2"	29'10"	29'10"	237'2"	100'8"	284'2"	110'8"	294'2"
151'3"	151'3"	59'2"	59'2"	112'3"	159'3"	159'3"	169'3"	169'3"
106'11"	213'11"	37'0"	37'0"	174'10"	114'11"	221'11"	124'11"	231'11"
185'3"	185'3"	76'2"	76'2"	146'3"	193'3"	193'3"	203'3"	203'3"
106'11"	320'11"	37'0"	37'0"	281'11"	114'11"	328'11"	124'11"	338'11"
119'7"	119'7"	43'4"	43'4"	80'7"	127'7"	127'7"	137'7"	137'7"
169'2"	169'2"	68'1"	68'1"	130'2"	177'2"	177'2"	187'2"	187'2"
119'7"	239'5"	43'4"	43'4"	200'5"	127'7"	247'5"	137'7"	257'5"
207'2"	207'2"	87'1"	87'1"	168'2"	215'2"	215'2"	225'2"	225'2"
119'7"	359'0"	43'4"	43'4"	320'0"	127'7"	367'0"	137'7"	377'0"
131'0"	262'0"	49'0"	49'0"	223'0"	139'0"	270'0"	149'0"	280'0"
226'11"	226'11"	97'0"	96'11"	187'11"	234'11"	234'11"	244'11"	244'11"
131'0"	393'0"	49'0"	49'0"	354'0"	139'0"	401'0"	149'0"	411'0"

STAKE LOCATIONS

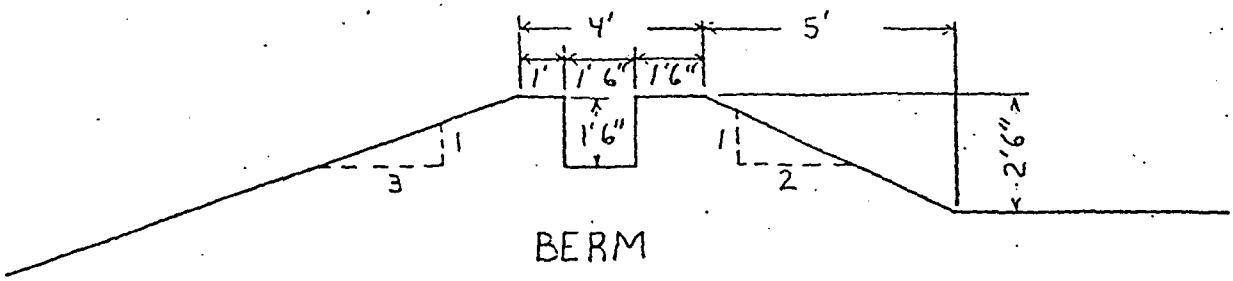


LEAK DETECTOR



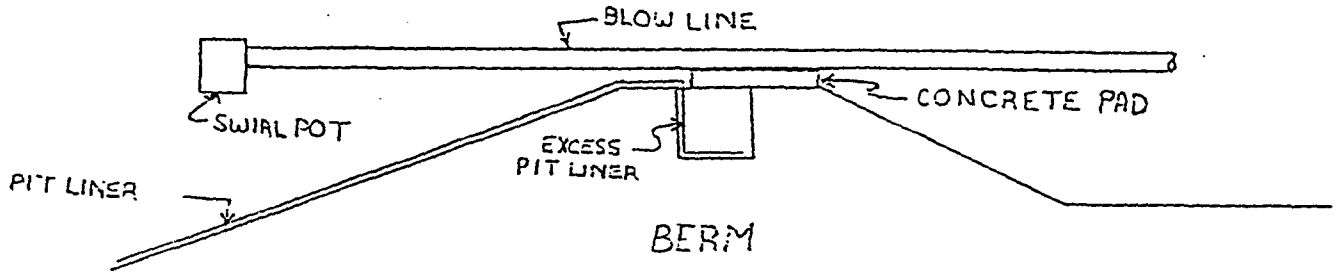
Amoco Production Company	SCALE:

ANCHOR TRENCH



BERM

DETAILS OF BLOW LINE



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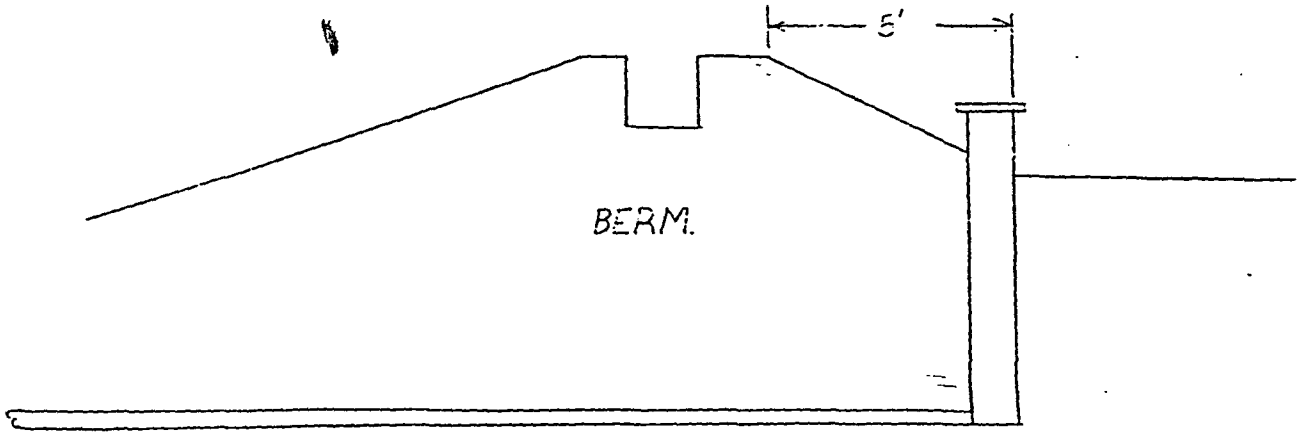
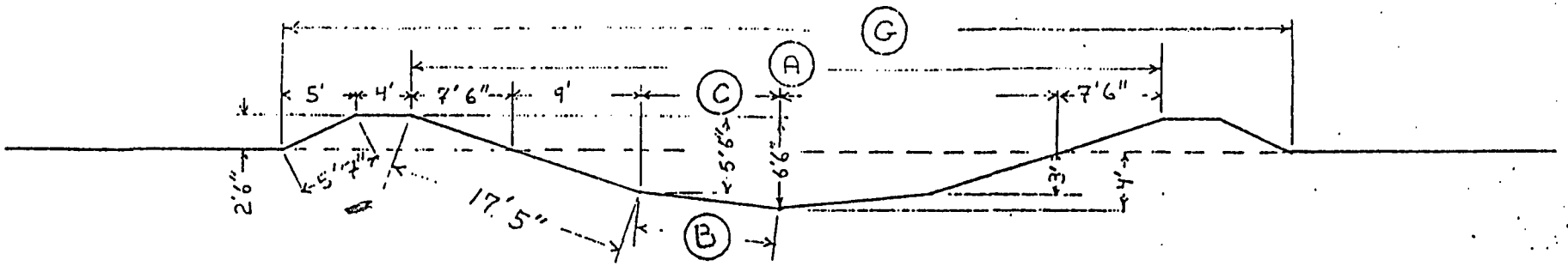
LOCATION OF SUMP



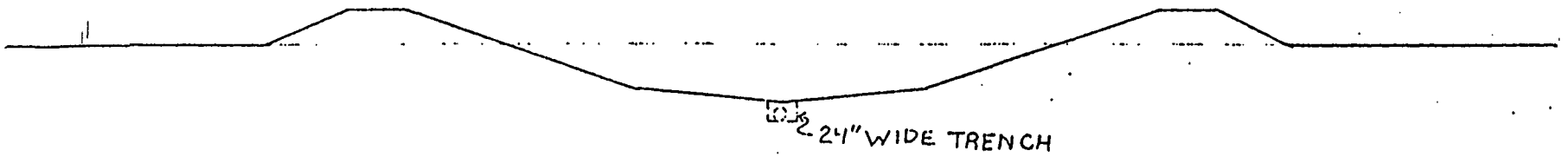
BERM.

Amoco Production Company	SCALE:
	DRG. NO. 2

FRONT VIEW OF PIT



FRONT VIEW OF PIT
SHOWING LEAK DETECTOR

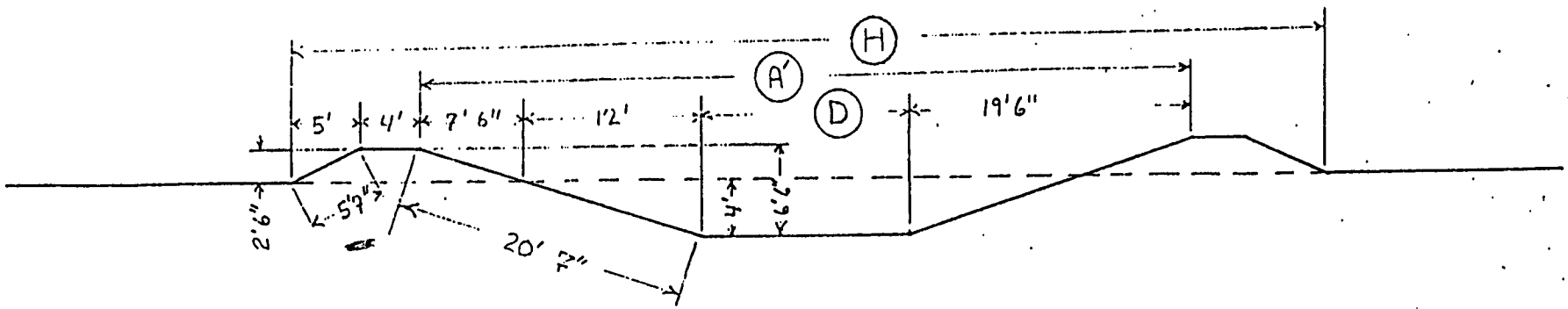


Amoco Production Company

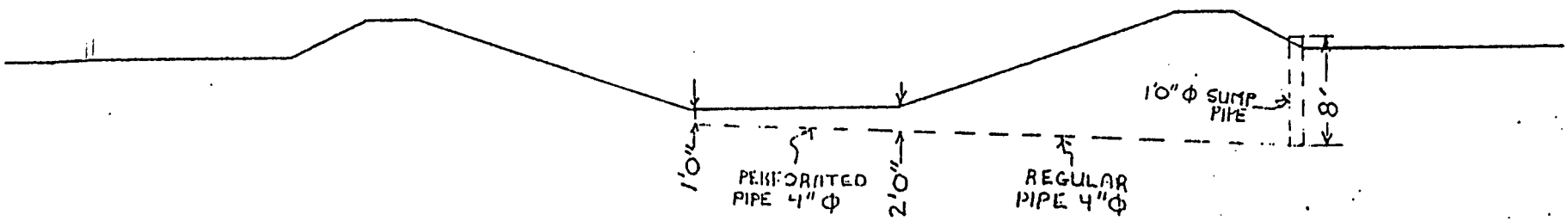
SCALE:

DRG. 2

SIDE VIEW OF PIT



SIDE VIEW SHOWING LOCATION OF LEAK DETECTOR

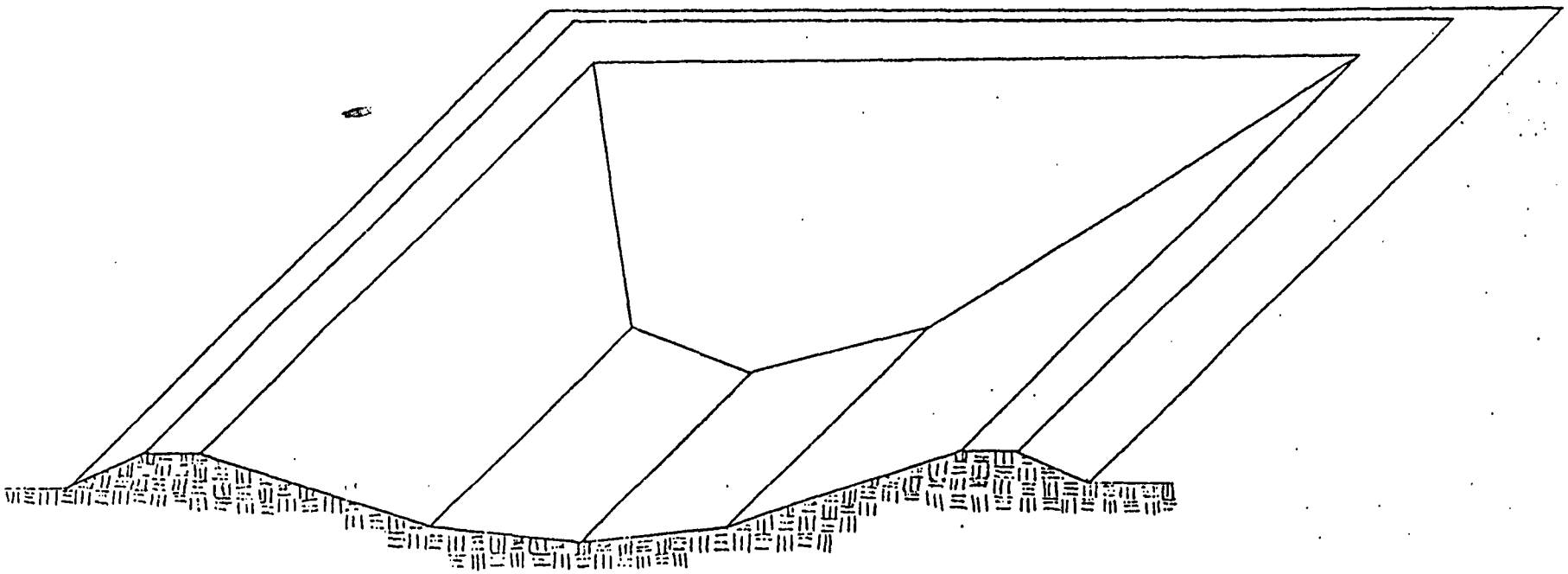


Amoco Production Company

SCALE:

ORG. NO. 4

CUT AWAY OF PIT



Amoco Production Company

SCALE:

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Mr. Mark McCool
MW Petroleum (c/o Apache Corporation)
304 N. Behrend
Farmington, New Mexico 87401

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Mr. Mark McCool
MW Petroleum (c/o Apache Corporation)
304 N. Behrend
Farmington, NM 87401