Sunco cking Water Disposal
708 S. Tucker Ave.
Farmington, NM 87401

May 19, 1989

Heard Before Stogner
6/13/90
Sunco Trucking
Exhibit #1
Case No. 9955

New Mexico Oil Conservation Division
310 Old Santa Fe Trail Room 206
Santa Fe, NM 87503

Attn: Dave Boyer

Subject: Administrative Approval
Commercial Evaporation Ponds
NW 1/4, Sec. 2-T29N-R12W
San Juan County, New Mexico

Dear Mr. Boyer:

Sunco Trucking Water Disposal (STWD) requests administrative approval for a lined commercial evaporation pond. The revised August 1988 Guidelines for Permit Application, Design and Construction of Waste Storage/Disposal Pits will be used, as presented and as applicable, for the format of this application.

I. General Information

A. Owner: Sunco Trucking Water Disposal
708 S. Tucker Ave.
Farmington, NM 87401
(505) 327-0416

B. Contact Person: Robert C. Frank
P.O. Box 308
Farmington, NM 87401
(505) 325-8729

C. Location: SW 1/4, NW 1/4 Sec. 2-T29N-R12W
Attached please find a topo map and site plan for the proposed facility. The access will be gained from County Road 3500. The location of skimmer pit and unloading/holding tanks is indicated on the site plan.

D. The major purpose of this facility is for the disposal, by evaporation of produced water from the San Juan Basin. The water will be trucked into location and unloaded into above ground tanks with the oil collected and stored for future treating and sale and the water drained off the bottom into a skimmer pond. The skimmer pond will serve as a back up to the tanks. The second and third ponds will be built as market conditions dictate. Each pond will be equipped with an aeration system and a spray system. The aeration system will be operable from start up and the sprayers will be utilized as market conditions dictate.

E. Three copies of the application have been provided.

F. "I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief.

George E Coleman

Signature

JUNE 16, 1989

Date

GEORGE E. COLEMAN

Printed Name

PRESIDENT

Title

II. General Description

A. Proposed Operations

1. The facility will be built pursuant to the attached diagram. The facility will be equipped with one unloading tank, two storage tanks, one skimmer pit and three large evaporation ponds. Ponds number two and three will be built as market conditions dictate. At this time the only fluids to be accepted are produced water from oil and gas operations.

2. A. Surface impoundments:

Produced Water will be the only effluent stored. Below please find a tabulation of the pond specifications.

	Area (ft. ^{2})	Volume *(bbls)	Depth (ft.)	Slope (Inside & Outside)
Skimmer Pond	1,963	2,300	11'	3:1
Pond 1	90,000	195,000	15'	3:1
Pond 2	90,000	195,000	15'	3:1
Pond 3	90,000	195,000	15'	3:1
Total	271,963	587,300		

The subsurface consists of a sandy loam material. The subgrade will be prepared, placed in 6" to 9" lifts and compacted to 95% of proctor and + 4% of optimum moisture. The actual values will be determined by an independent laboratory testing firm.

The secondary liner will be made of 30 mil or greater PVC. The primary liner will be made of 30 mil or greater CPER or equivalent. The primary line is resistant to sunlight, hydro-carbons, fungus, algae, bacteria and salt water. The secondary liner is resistant to hydrocarbons, fungus, algae, bacteria and salt water. Each liner will be laid in the ponds by rolls and then seamed together. The leak detection system will consist of 1" perforated laterals draining to a central 2" line which will drain to a sump outside of the berm.

The freeboard will be 1.5' leaving the pond a maximum height of 13.5' of water. There will be no runoff or runon as the ponds will be self contained and the drainage diverted away from the ponds. The ponds are on a gentle slope with no major drainage problems.

B. There are no drying beds anticipated at this time. If the need arises the OCD will be notified prior to any such work being implemented.

C. Nothing anticipated.

3. A. Ancillary Equipment

The ponds will be equipped with a commerical aeration system. The aeration systems will placed in bottom of the ponds and will consist of three rock diffusers. The location of the diffusers will be equidistant (as close as practical)

from each other. They will be anchored to the pond bottom by bricks and or sand tubes. A second aeration system will be placed in the pond bottom as well. This system will consist of a network of perforated 1" and 2" PVC pipe. The system will be able to circulate either a liquid or gaseous medium. Further details will be forwarded as it becomes available.

The ponds will be equipped with sprayers. The sprayers will be located on a floating island. The island will be anchored to the sides of the pond. The island will consist of at least four nozzles and eight jets. The exact configuration is not known at this time. The sprayers will be supplied by a centrifugal pump with a capacity of at least 14 BWPM. The power supply for the pump will be either a natural gas or electric motor.

At this time no other ancillary equipment is anticipated.

B. Spill/Lead Prevention and Procedure

1. In as much as the ponds will be double lined, and with the ponds sloped to a sump there will be no other containment or clean up apparatus necessary. If a leak is detected the leak detection system will be pumped into one of the other ponds and the pond that is leaking will be lowered until such depth as the water depth is below the leak. The liner repaired and the pond placed back into operation.

   If there is only one jpond at the time the leak is detected, and weather permitting, the pond will be artificially evaporated until the water depth is below the leak. The leak detection sump will be recycled to the main pond. If at this time market conditions warrant a second pond will be built and the leaking pond will be repaired.

   The OCD will be notified within 2 working days of any leaks.

2. The leak detection system will be the only means in which leaks are to be detected. The sumps will be inspected at least weekly. If leaks are detected the procedure outlined above in B.1 will be followed.

C. Closure Plan

1. At that point in time when the facility is to be closed the ponds will be evaporated and left to dry for one year. After the drying period the salts will be marketed if an economical market exists or they will be buried on site, in the original plastic. The ponds berms will be backfilled in to cover the pond and the area recontoured as near as practical to the original contours. The area will then be reseeded.

III. Site Characteristics

A. Hydrologic Features

1. The nearest running water is the Animas River which is approximately 1-1/2 miles North. The State Engineers Office in Albuquerque, NM was consulted as to the location of the nearest water well. There is a well reported in the SE4, SE4 of Section 34-T30N-R12W. The well encountered water at 25'. The total depth of the well is 107'. A copy of the well record is attached. The well is used for household and livestock watering purposes. A field inspection of the reported quarter section revealed that the well is either abandoned or mis-located in the records.
2. This information is not available as there is no ground water reported within 1 mile of the facility.
3. The flow direction of ground water most likely to be affected by any leak is Northwesterly based upon topography.
4. A water sample can not be obtained as mentioned above therefore no analysis is available.

B. Geologic Description of Pit Site

1. The pit site rests on a paleoerosional surface as evidenced by the attached drillers log. Nine test holes were drilled to determine the soil mechanics. The soil type ranges from a clay/sand mixture to silt/sand mixture and cobbles/boulders.
2. The name and depth of the most shallow aquifer is unknown.
3. Not available
4. Not available.

C. Flood Protection

1. The flooding potential at the pit site with respect to major precipitation and/or run off is minimal at best as the pond will be maintained with at least a 1-1/2' freeboard. The facility is located on top of a broad ridge well out of any established water courses. In any event drainage away from the ponds will be accomplished by diversion ditches cut on the uphill side of the facility.
2. The pond is well out of the 100 year flood plain.
3. The outside of the site will be checked after each major rainfall. The OCD will be notified of any significant erosion.

IV. In as much as these ponds are to be synthetically lined no further information is necessary at this time.

V. General Construction Requirements

A. Those ponds are out of any water courses.

B. The natural evaporative capacity for each pond is approximately 175 BWPD. This is based on a net evaporation rate of 48"/year and 90,000 ft^2 surface area. As mentioned earlier

sprayers will be installed as market conditions warrant. The anticipated enhanced evaporation rate is 1050 BWPD per pond. The holding capacity of each pond is approximately 195,000 barrels of water. Being that this is a commercial operation with a relatively infinite market the pond can not be sized to known produced water volumes. As mentioned earlier market conditions will dictate the operations of this facility.

2. Wave caculations for a pond with this small of a fetch is difficult. Interpolation of a graph supplied by the US Army Corp. of Engineers indicates that a unidirectional 40 mph sustained wind along the maximum fetch of 424' will generate a 6" wave. Sustained winds of this magnitude in this area are not common. The likelihood of a sustained wind along the maximum fetch are remote at best. The wave run up is estimated at 3". The total wave action on the dike is 9". The average yearly rainfall for this area is 12". With the rainfall occuring over the entire year, we feel that an 18" freeboard is adequate.
3. Both the inside and outside slopes of all ponds will be 3:1.
4. The traveling surface of the level top will be twelve feet.
5. The ponds will be equipped with a commercial aeration system consisting of three rock diffusers and an air compressor. The second system will be a network of perforated PVC pipe laid in the bottom of the pond. The second system will be able to circulate either a liquid or gaseous medium.

C. Synthetically Lined Evaporation Pits.
   1. Materials
      a. The liners will be flexible
      b. Not applicable
      c. The liners will be at least 30 mils thick
      d. Both the primary liner and secondary liner will be resistant to hydrocarbons, salts, acidic and alkaline solutions, fungus, bacteria and rot. In addition the primary liner will be resistant to ultraviolet light.

D. The ponds will be equipped with a leak detection system.
   2. a. The OCD office in Aztec will be notified at least 24 hours in advance of the primary liner installation.
      b. A drainage and sump leak detection system will be used.
      c. Not applicable
      d. The leak detection system will consist of 1" perforated PVC laterals draining at a 2% grade to a 2" PVC main line. The 2" PVC main line will drain at 1% to a corrosion proof sump which will be located outside of the berm. No point in the pond bottom will be greater than 20' from a detection line.
   3. a. The bed of the pit and the inside and outside grades of the levee will be smooth, compacted to 95% of proctor, free of holes, rocks, stumps, clods or other debris which could rupture the liner. The onsite characteristics should allow for the liners to be placed directly on the finished berm.

b. An anchor trench will be excavated 6" wide, 12" deep and set back from the slope break.

4. a. The OCD office in Aztec will be notified at least 24 hours prior to secondary liner installation.
   b. The liner will be installed and the joints sealed pursuant to the manufacturers specifications.
   c. The liner will rest smoothly on the pit bed and inner face of the levey and shall be of sufficient size to extend to the bottom of the anchor trench and back out a minimum of two inches from the trench on the side furthest from the pond. Folds in the liner will be located in the pit corners to compensate for temperature fluctuations
   d. Two gas vents will be installed on each side of each pond. The liner will be resting on a sandy loam material which should be adequate for venting purposes. A sieve test will be run on the material to be certain no more than 5% of the material will pass through a 200 sieve. The vents will be located approximately 9" down from the berm, break.
   e. Used casing on equivelant will be used to anchor the liner in the liner trench.
   f. Not applicable
   g. All sand or gravel placement will be completed so as to not jeopardize the liner on which it is placed.
   h. All siphons and discharge lines will be directed away from the liner.

E. Clay lined Pits
Not applicable

F. Skimmer Ponds/Tanks
1. Skimmer tanks and a skimmer pond will be used. Water will be drained from the bottom of the tanks into the skimmer pond. Water will be gravity siphoned from the skimmer pond to the main evaporation pits.
2. As mentioned above water will be drained from the tanks and subsequently the oil will be stored in tank(s) for future treatment and sale.
   a. The skimmer pit will be built as the main ponds including two liners and a leak detection system.
   b. The skimmer tank will be corrosion resistant and open to the air on one side for leak detection purposes
   c. The siphon will be located as far from the skimmer tank as possible
   d. The skimmer pond will be kept clean of appreciable oil. The entry into the siphon will be at least 2' below the horizontal member of the siphon. The vertical siphon top will be set above the top of the skimmer pond.
   e. Not applicable

G. Fences and Signs
1. A fence will be constructed around the entire facility. The fence will be of sufficient strength to keep livestock out of the facility. The fence will be closed and locked at all times when the pond is not manned.

2. A sign at least 12" X 24" with 2" lettering will be placed at the facility entrance and will identify the owner/operator, location and emergency phone numbers.

H.

1. The leak detection sumps will be checked for leaks weekly
2. The outside of the berms will be maintained so as to prevent erosion. After each rain the pond perimeters will be walked to inspect for wash outs.

I. Contingency Plan

As mentioned earlier if a leak is detected the OCD will be notified within one working day. The sump will be continually pumped into the pit that is leaking or into a seperate pit. The pond that is leaking will be drained so that the water is below the liner tear and the liner repaired. The pit will be placed back into operation.

Each load will be tested for H_2S. If H_2S is detected that load will be isolated and the operator will determine if the water is to be removed or if STWD will treat the load. If STWD treats the load sufficient chlorine will be added so that residual chlorine is present prior to the water being drained into the skimmer pond.

The ponds will be maintained in an aerobic state. H_2S should not be a problem as each pond has three systems in which to keep the pond aerobic.

Drillers Log

Hole 1 SE Corner Pond 1

Depth	Description
0-2	Red brown clay/sand; 50/50, topsoil
3-6	Tan Silt, powderey, 25% Clay
6-9	Med. Brown Silt, 15% Clay grading to siltstone, medium hard.
9-10	Light gray sandstone, Med grain, Subround, 30% Clay, Poor sorting

Hole 2 SW Corner Pond 1

Depth	Description
0-3	Red brown clay/sand; 50/50, Topsoil
3-4	Light brown clay, 40% very fine grain sand
4-6	Light grey silt/sand with 20% Clay
6-9	Light grey-tan sandstone, meduim grain subround, poor sorting, 20-30% clay hard

Hole 3 NW Corner Pond 1

Depth	Description
0-2	Red brown clay, 5-10% silt
2-3	Red brown clay, 10% sand, 15% silt
3-4	Light grey to tan silt, 10% sand medium hard grading to siltstone.
4-10	Light grey-tan sand, fine grain, 15% silt, 10% clay medium hard.
10-26.5	Tan sand, medium grain to sub coarse grain, subangular to subround, poor sorting, very friable 0-20% silt

Drillers Log Continued

Hole 4 — 60'NE of SW Corner of Pond 2

Depth	Description
0-2	Red brown clay, 10% sand
2-7	Tan sand, unconsolidated, 15-20% silt, very fine grain, fair sorting
7-8	Light grey silt, 25-35% Sand, 35% Clay
8-12	Tan sandstone, fine to meduim grain, fair sorting, subround 25% silt, 10% clay, moderately friable. Auger refusal at 12!

Hole 5 — SE Corner of Pond 2

Depth	Description
0-1	Red brown clay, 10% sand
1-6	Light grey sand interbedded with red brwon clay, 50/50, mod cement with anhydrite. Sand is very fine grain and well rounded.
6-7.5	Buff colored sand, very fine grain, well rounded, well sorted, 50% silt
7.5-8	Tan sand, coarse grain, angular. Very fiable, moderately cemented fair sorting
8-10	Tan Sand, very fine grain, fair rounding, 25% silt, 25% Anhydrite
10-10.5	Tan sand and clay 50/50
10.5-13	Light brown sandstone, very fine grain, fair sorting, well rounded, 10% clay, hard

Hole 6 — SE Corner Pond 3

Depth	Description
0-4	Red brown clay, 10% sand
4-8	Tan Silt
8-12	Tan sand, very fine grain, subround, well sorted, 15% silt
12-18	As above, fine grain, subangular
18-20	Grey brown clay, 10% silt, powdery

Hole 7 — NW Corner Pond 2

Depth	Description
0-4	Red brown clay, 10% sand occassional gravel
4-9	Light grey to buff silt, 20% sand, Anhydrite
9-13	As above, tan
13-17	Tan Sand, very fine grain, subround. fair sorting, 15% silt
17-20	Grey brown clay, 10% silt, Powdery

Drillers Log Continued

Hole 7 NW Corner Pond 2

Depth	Description
0-4	Red brown clay, 10% sand occassional gravel
4-9	Light grey to buff silt, 20% sand, Anhydrite
9-13	As above, tan
13-17	Tan Sand, very fine grain, subround. fair sorting, 15% silt
17-20	Grey brwon clay, 10% silt, Powdery

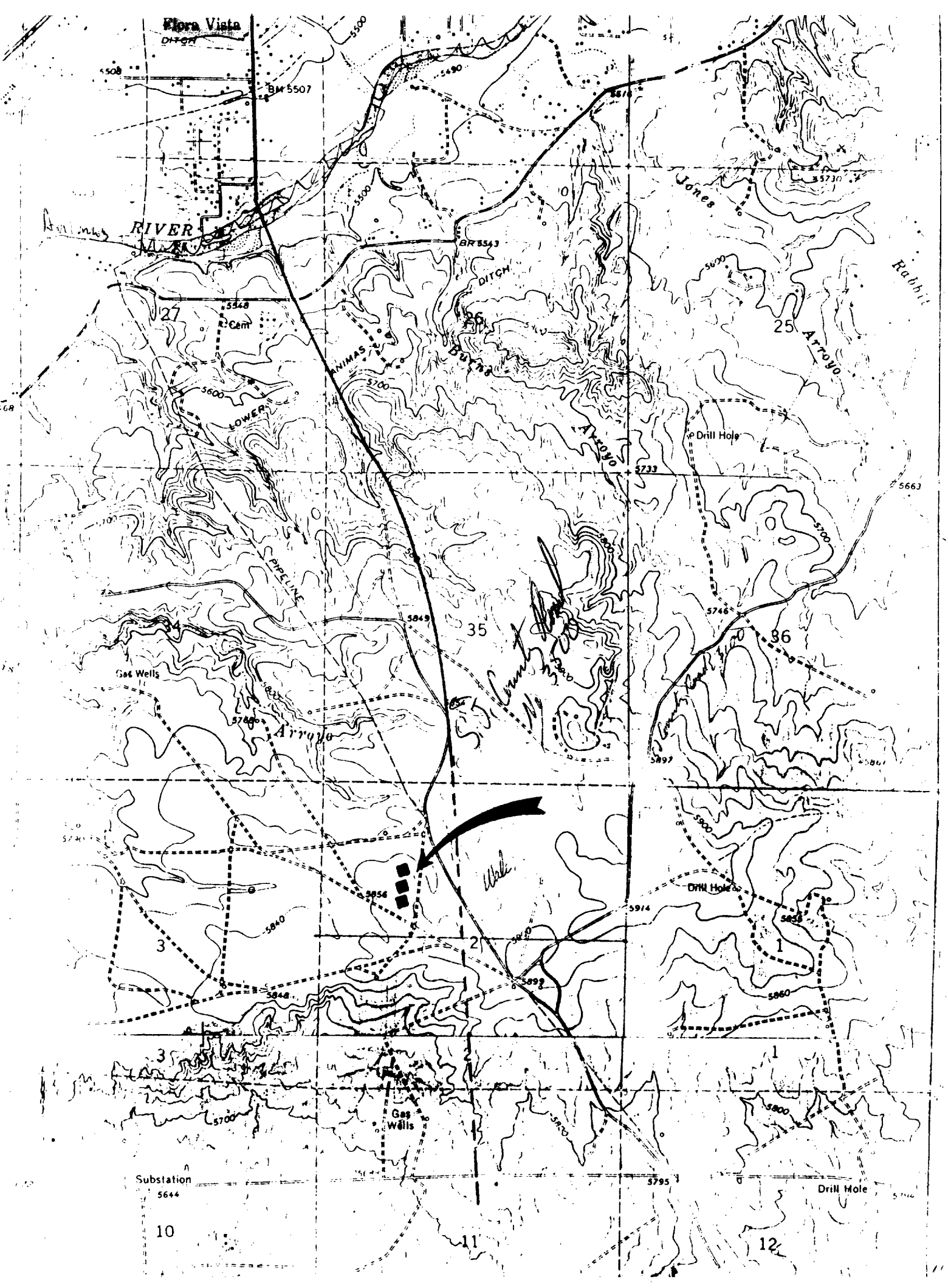
Hole 8 NW Corner Pond 3

Depth	Description
0-2.5	Red brown clay, 15% sand
2.5-4	Tan sand mottled with red brown clay, 35%.
4.5-5.5	Buff silt, sand 40%, anhydrite 10%
5.5-8	Tan sand fine to medium grain, well sorted, fair rounding, 20% silt, trace anhydrite, occassional gravel 10%
8-12	Tan sand medium to coarse grain, subangular, poor sorting, 20% gravel, 10% silt
12-15	Grey brown clay, mottled with light grey sand and red brown clay
15-17	Cobbles/Boulders. Auger refusal at 17'

Hole 9 NE Corner Pond 3

Depth	Description
0-2	Dark Red brown clay, 10% sand
3-4	Red brown silt, 10% sand, 30% clay
4-12.5	Tan Sand, Fine grain, subround well sorted, 10-30% Clay, trace anhydrite
12.5-13	Brown Grey clay, mottled with light grey clay
13-15	Light grey clay
15-18	Cobbles/Boulders. Auger refusal at 18"

end


Flora Vista
DITCH
BM 5507
RIVER
BR 5543
DITCH
Jones
Rabbit
Arroyo
27
26
25
Cem
ANIMAS
Burro
LOWER
Arroyo
Drill Hole
PIPELINE
35
36
Gas Wells
Arroyo
Drill Hole
3
2
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Gas Wells
Substation
5644
Drill Hole
10
11
12

77 SEP 23 PM 1 Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

STATE ENGINEER OFFIC
SANTA FE, N.M. 87501

Section 1. GENERAL INFORMATION

(A) Owner of well Scott Thust Owner's Well No. #2
Street or Post Office Address P.O. Box (¢)
City and State Aztec ,New Mexico 87410

Well was drilled under Permit No. S.J. 428 and is located in the:

a. ____ ¼ ____ ¼ SE ¼ SE ¼ of Section 34 Township 30 Range 12 N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor John C .Hargis License No. WD.724

Address RT.1 Box 260-B Aztec New Mexico

Drilling Began 20 Sept. Completed 21 Sept. Type tools Cable/? Size of hole 8' in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 107 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 25 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
25	30	5	Dark Blue Water Sand	5
90	107	17	Blue Water Sand	5- 6

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8'	24	Weld	0	10- 5	10-5	None	Surface	
5'	Plastic		0	107	107		60	100

77 SEP 28 P 1:34
STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by:
____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 9/23/77

Quad ____ FWL ____ FSL ____

File No. SJ-428 Use Dom. Location No. 30N.12W.34 440
San JuanCo.

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	25	25	Boulders @ Brown Sand
25	30	5	Drrk Blue Water Sand
30	90	60	Sandy Shale
90	107	17	Dark Blue Water Sand
			Gravel Pack 107' Of Hole

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

John C. Hargis
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

'77 SEP 23 PM 1 23 Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

STATE ENGINEER OFFIC
SANTA FE, N.M. 87501

Section 1. GENERAL INFORMATION

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Street or Post Office Address P.O. Box (¢)
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Well was drilled under Permit No. S.J. 428 and is located in the:

a. ____ ¼ ____ ¼ SE ¼ SE ¼ of Section 34 Township 30 Range 12 N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor John C .Hargis License No. WD.724

Address RT.1 Box 260-B Aztec New Mexico

Drilling Began 20 Sept. Completed 21 Sept. Type tools Cable/? Size of hole 8' in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 107 ft.

Completed well is [#] shallow [ ] artesian. Depth to water upon completion of well 25 ft.

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8'	24	Weld	0	10- 5	10-5	None	Surface	
5'	Plastic		0	107	107		60	100

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Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

'77 SEP 28 P 1:34
STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by:
____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 9/23/77

Quad ____ FWL ____ FSL ____

File No. SJ-428 Use Dom. Location No. 30N.12W.34 440

San JuanCo.

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	25	25	Boulders @ Brown Sand
25	30	5	Drrk Blue Water Sand
30	90	60	Sandy Shale
90	107	17	Dark Blue Water Sand
			Gravel Pack 107' Of Hole

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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

John C. Hargis
Driller

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HC # 71909
$2.00 SF

READ INSTRUCTIONS ON BACK

Revised March 1972

APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 75-11-1 NEW MEXICO STATUTES

77 AUG 11 P 1:55

STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.

1. Name and Address of Applicant:

SCOTT TRUST

P. O. BOX "O"

AZTEC, NEW MEXICO 87410

File No. SJ-428

2. Describe well location under one of the following subheadings:

a. ____ ¼ SE ¼ SE ¼ of Sec. 34 Twp. 30 Rge. 12 N. M. P. M., in San Juan County.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____ Subdivision, recorded in ____ County.

d. X = ____ feet, Y = ____ feet, N. M. Coordinate System ____ Zone in the ____ Grant.

e. Give street address or route and box No. of property upon which well is to be located, or location by direction and distance from known landmarks ____

3. Approximate depth (if known) ____ feet; outside diameter of casing under 7 in inches.

Name of driller (if known) John C. Hargis Jr.

4. Use of water (check appropriate box or boxes):

- [X] Household, non-commercial trees, lawn and garden not to exceed 1 acre.
- [X] Livestock watering.
- [ ] Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns in conjunction with a commercial operation.
- [ ] Prospecting, mining or drilling operations to discover or develop natural resources.
- [ ] Construction of public works, highways and roads.

If any of the last three were marked, give name and nature of business under Remarks. (Item 5)

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501
77 AUG 11 AM 11 54

5. Remarks: ____

I, Sandy Scott, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Scott Trust, Applicant

By: Sandy Scott

Date: July 31, 1977

ACTION OF STATE ENGINEER

This application is approved for the use indicated, subject to all general conditions and to the specific conditions numbered 4 on the reverse side hereof. This permit will automatically expire unless this well is drilled or driven and the well record filed on or before 8/31/78.

S. E. Reynolds, State Engineer

By: J. K. Couzens

J. K. Couzens, Engineer, Water Rights Div.

Date: Aug. 9, 1977

File No. SJ-428

GENERAL CONDITIONS OF APPROVAL

A. The maximum amount of water that may be appropriated under this permit is 3 acre feet in any calendar year.

B. The well shall be drilled only by a driller licensed in the State of New Mexico in accordance with Section 75-11-13 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 75-11-13).

C. Driller's log must be filed in the office of the State Engineer within 10 days after the well is drilled or driven. Failure to file the log within that time shall result in automatic cancellation of the permit. Log forms will be provided by the State Engineer upon request.

D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

E. If the well under this permit is used at any time to serve more than one household, livestock in a commercial feed lot operation, or any other commercial purpose, the permittee shall comply with Specific Conditon of Approval number 5(b).

F. In the event this well is combined with other wells permitted under Section 75-11-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre feet per annum.

SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

1. Depth of the well shall not exceed the thickness of the (a) the valley fill or (b) Ogallala formation.
2. The well shall be constructed to artesian well specifications and the State Engineer Office shall be notified before casing is landed or cemented.
3. Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
4. Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor (a) for each calendar month, on or before the 30th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 30th day of January of the following year.
6. The well shall be plugged upon completion of the permitted use and a plugging report shall be filed in the office of the State Engineer within 10 days.
7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer Office.
8. Use shall be limited strictly to household and/or drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, garden, trees or use in any type of pool or pond is authorized under this permit.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be executed in triplicate and forwarded with a $1.00 filing fee to the appropriate office of the State Engineer.

A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and file number, if possible) should be given under Remarks. (Item 5.)

Applications for appropriation, well logs and request for information in the following basins should be addressed to the State Engineer at the office indicated;

Bluewater, Estancia, Rio Grande, and Sandia Basins
District No. 1, 505 Marquette NW, Room 1023, Albuquerque, New Mexico 87101

Capitan, Carlsbad, Fort Sumner, Hondo, Jal, Lea, Penasco, Portales, Roswell, and Upper Pecos Basins
District No. 2, Box 1717, Roswell, New Mexico 88201

Animas, Gila-San Francisco, Hot Springs, Las Animas Creek, Lordsburg, Mimbres, Nutt-Hockett, Playas, San Simon, and Virden Valley Basins
District No. 3, Box 844, Deming, New Mexico 88030

Canadian River Basin
State Engineer Office, State Capitol, Bataan Memorial Bldg., Santa Fe, New Mexico 87501