

DATE IN <u>5/6/04</u>	SUSPENSE <u>5/21/04</u>	ENGINEER <u>[Signature]</u>	LOGGED IN <u>5/6/04</u>	SWD-924	PWVS 041532848
-----------------------	-------------------------	-----------------------------	-------------------------	---------	----------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] **[NSP-Non-Standard Proration Unit]** **[SD-Simultaneous Dedication]**
[DHC-Downhole Commingling] **[CTB-Lease Commingling]** **[PLC-Pool/Lease Commingling]**
[PC-Pool Commingling] **[OLS - Off-Lease Storage]** **[OLM-Off-Lease Measurement]**
[WFX-Waterflood Expansion] **[PMX-Pressure Maintenance Expansion]**
[SWD-Salt Water Disposal] **[IPI-Injection Pressure Increase]**
[EOR-Qualified Enhanced Oil Recovery Certification] **[PPR-Positive Production Response]**

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A]** ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☒ Offset Operators, Leaseholders or Surface Owner
[C] ☒ Application is One Which Requires Published Legal Notice
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Paul Lehrman

Print or Type Name

Signature

Landman

Title
plehrman@digii.net

4/28/04

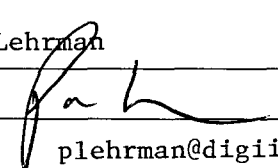
Date

e-mail Address

New Well

Legal 5/10/04
3 - P&A to Rovers
0 - Active
0 - TA
3 - TOTAL AOR

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance XX Disposal Storage
Application qualifies for administrative approval? XX Yes No
- II. OPERATOR: Richardson Operating Company
ADDRESS: 3100 La Plata Highway, Farmington, New Mexico 87401 564-3100
CONTACT PARTY: Paul Lehrman PHONE: 564-8115
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes XX No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Paul Lehrman TITLE: Landman
SIGNATURE:  DATE: 4/28/04
E-MAIL ADDRESS: plehrman@digii.net
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

30-045-32334

III. Injection Well Data: See also attached sheet.

Salty Dog #4 SWD (Federal Oil and Gas Lease NMNM-101552)
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

ESTIMATED FORMATION TOPS:

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Subsea Elevation</u>
Ojo Alamo	448'	460'	+5,278'
Kirtland Shale	623'	635''	+5,103'
Fruitland Fm	1048'	1060'	+4,678'
Fruitland Coal	1433'	1445'	+4,293'
Pictured Cliffs	1448'	1460'	+4,278'
Lewis Shale	1668'	1680'	+4,058'
Cliff House	3088'	3100'	+2,638'
Menefee	3228'	3240'	+2,498'
Point Lookout	3928'	3940'	+1,798'
Mancos Shale	4,298'	4310'	+1,428'
Total Depth (TD)*	4400'	4412'	+1,326'

*All elevations reflect the ungraded ground level of 5,726'

Formation Tops determined by correlative log from the Little Federal No. 2 well, which was a Dakota completion (P & A'd). Location of this well is 1090' FNL & 1850' FWL-Section 1-T30N-R14W).

CASING AND CEMENTING PROGRAM:

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>GL Setting Depth</u>
12 1/4"	8 5/8"	24	J-55	New	200'
7 7/8"	5 1/2"	15.5	J-55	New	4400'

Surface casing will be cemented to surface with ≈ 165 cu. ft. (≈ 150 sx) Class B containing 1/4#/sk cello flake + 2% CaCl. Yield = 1.18 cu. ft/sk; slurry weight = 15.6 ppg. Volume is based on 100% excess. WOC = 12 hours. Pressure test surface casing to 600 psi for 30 minutes.

Production casing hole will first be cleaned by circulating at least 150% of hole volume with drilling fluid to surface. Precede cement with 20 bbl's of Poz slurry with 2% KCl. Lead with ≈ 800 cu. ft. (≈ 410 sx) Halliburton light cement 65:35 Poz with 1/4#/sk cello flake, 5#/sx Gilsonite, 12.4 ppg, yield of 1.96. Tail in with ≈ 345 cu. ft. (≈ 275 sx) 50:50 Poz with 2% CaCl, 1/4#/sk cello flake, 5#/sx Gilsonite, 13.5 ppg, yield 1.32. Total cement volume is ≈ 1145 cu. ft. based on 100% excess and circulating to surface. Production casing will be cemented to surface.

TUBING: 2 7/8" Plastic Lined (Internally Plastic Coated) Set @ 3080'.

FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

PACKER:

Baker Full bore with On/Off Tool set @ 3050'.

INJECTION FORMATION INFORMATION:

Blanco Mesaverde (Cliff House and Point Lookout)

Injection interval, Cliff House (3088'-3228') and Point Lookout (3928' to 4298') will be perforated.

Approximate perforation intervals are based on correlative log from the Little Federal No. 2 well, which was a Dakota completion (P & A'd). Location of this well is 1090' FNL & 1850' FWL-Section 1-T30N-R14W). The Salty Dog #4 will be open hole logged with an SP/Induction and cased hole logged prior to perforations, completion and authorization to inject.

Well is being drilled specifically for injection of fluids.

There are no perforations as this is a new well.

Next highest production from the Cliff House is the Pictured Cliffs (Harper Hill Fruitland Sand PC (Gas) top which is @ approximately 1448'. Next Lower production would be the Menefee Coal which is @ Top of 3228'.

Next highest production from the Point Lookout is the Menefee Coal top which is @ approximately 3228'. Next Lower production would be the Gallup which is @ Top of 5252'.

IV. Is this an expansion of an existing project: No

V. Lease/Well Map: Attached hereto.

VI. Tabulation attached for three wells which penetrate the proposed zone:

- 1) Dick Hunt Federal No. 3 API # (30-045-09897)
- 2) Dick Hunt Federal No. 2 API # (30-045-09525) — 4-STAR
- 3) Little Federal No. 2 API # (30-045-22299)

Tabulations with well type, drilling information, construction, dated drilled, location, depth, record of completion and well bore diagrams attached hereto. All three wells are plugged and abandoned Dakota wells, with the addition of the Dick Hunt Federal No. 3 being a re-completion attempt in the Fruitland, and subsequently plugged and abandoned.

VII. Operating Data:

1) Average Daily volume rate is expected to be approximately 1150 bbls/day. Maximum daily volume rate is expected to be approximately 2000 bbls/day.

2) The system is closed.

FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

3) The average injection pressure will be 500 psi. Maximum pressure of 617 psi will be requested with option for additional pressure increase with approved step rate test.

4) Injected water will be produced from the Pictured Cliffs (Harper Hill Fruitland Sand PC) and Fruitland Coal (Basin Fruitland Coal) formations from four State of New Mexico wells (WF State 2-1, 2-2, 2-3, 2-4) and six Federal wells (WF Federal 1-2, 1-1, 12-1, 12-2, 11-1, 11-4). All of these wells are currently being permitted with two (WF State 2-3, WF Federal 12-2), having been drilled but not completed. One well has been completed (WF State 2-1). It is currently shut-in awaiting the approval of this application and several pipeline rights-of-way from the Bureau of Land Management, Farmington Field Office. The produced water will be re-injected into the Mesaverde formation (Cliff House and Point Lookout).

An analysis of water from several Dugan Production Company wells in the vicinity is attached hereto. This water is representative of what Richardson expects from the proposed wells in the Harper Hill PC and Basin Fruitland Coal formations.

5) Injected water is for disposal purposes. An analysis of Mesaverde water is attached hereto from a Dugan Production Company disposal well (Locke #1). This water is representative of what Richardson expects in the vicinity. Richardson will swab in and take a sample of the Mesaverde water and test to assure compatibility.

VIII. Geological Information:

Injection will be in the Mesaverde formation (Cliff House and Point Lookout). Top of the Mesaverde is @ 3088' (Cliff House), with a total thickness of approximately 1210' (including the Menefee Coal). The Cliff House is @ 3088'- 3228' (140') with the Point Lookout @ 3928'-4298' (370'). The Ojo Alamo is a possible source of drinking water being @ 448'. It will be located behind casing and cemented. There are no known sources of drinking water below the proposed injection formation.

IX. Stimulation Program:

If after completion, logging and well analysis, well may be acidized or fracture stimulated as deemed appropriate.

X. Logs:

This well is in the proposal stage and therefore not drilled or logged. The log from the Little Federal No. 2 well, which was a Dakota completion (P & A'd), was used for correlative purposes and is attached hereto. Location of this well is 1090' FNL & 1850' FWL-Section 1-T30N-R14W).

XI. Fresh Water Analysis:

A search of the State Engineer's office in Aztec, New Mexico revealed that there are no fresh water wells within a one mile radius of the proposed disposal well.

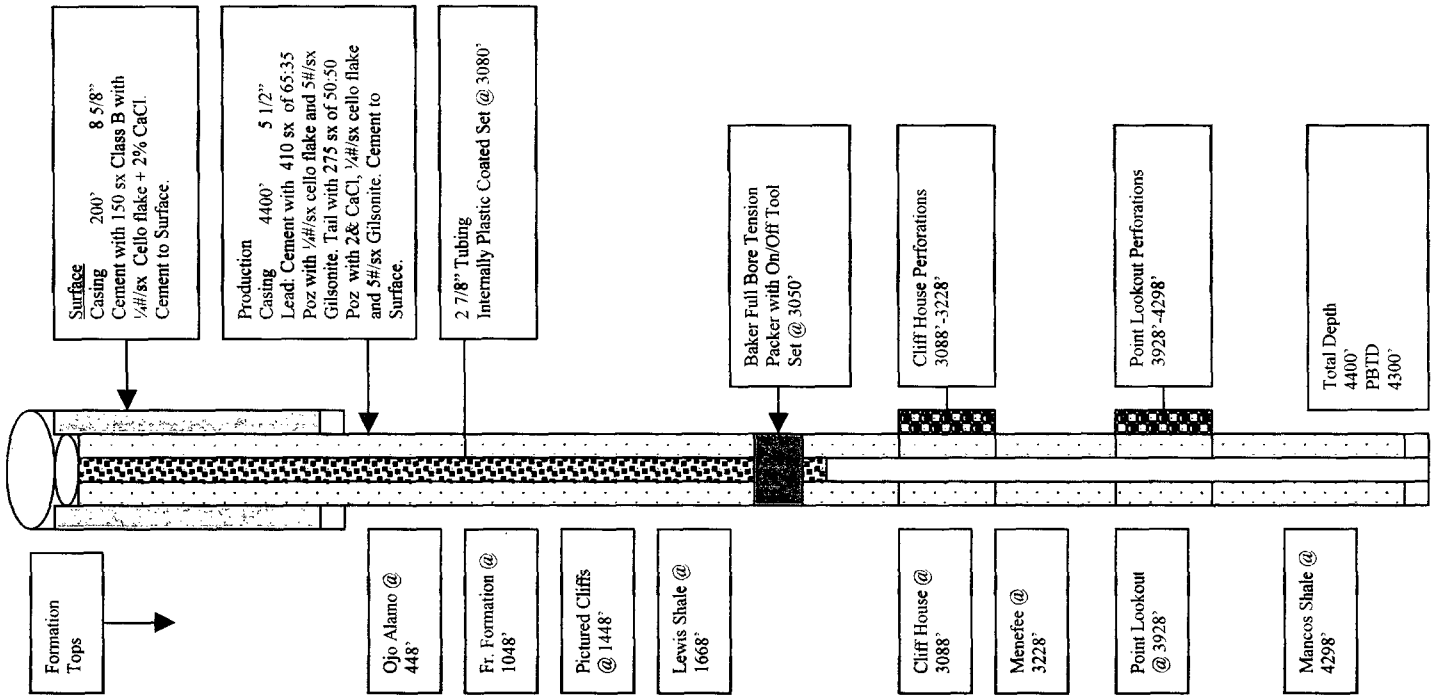
XII.

Richardson Operating Company has examined the available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the proposed disposal well and underground sources of drinking water.

XIV. Proof of Notice:

Attached are copies of Certified Mail Receipts along with letters notifying the surface owner, offset operators and leaseholders and a copy of the proof of publication.

Attachment III Continued
Injection Well Data Sheet
Well bore Diagram
Richardson Operating Company
Salty Dog #4
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMMPM
San Juan County, New Mexico
Federal Oil and Gas Lease NMNM-101552



INJECTION WELL DATA SHEET

OPERATOR: Richardson Operating Company

WELL NAME & NUMBER: Salty Dog #4

WELL LOCATION: 2580' FSL & 1890' FWL

K

1

30 North

14 West

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

See attached Sheet

WELL CONSTRUCTION DATASurface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8"

Cemented with: 150 Class B sx. or 165 ft³

Top of Cement: Surface Method Determined: Visual

Intermediate Casing

Hole Size: N/A Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 685 sx. or 1145 ft³

Top of Cement: Surface Method Determined: Visual

Total Depth: 4300 PBTD

Injection Interval

Perforated

3088-3228' and 3928-4298' feet to

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Plastic

Type of Packer: Baker Full Bore Tension with On/Off Tool

Packer Setting Depth: 3050'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XX Yes No
 If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Cliff HOUSE AND Point Lookout

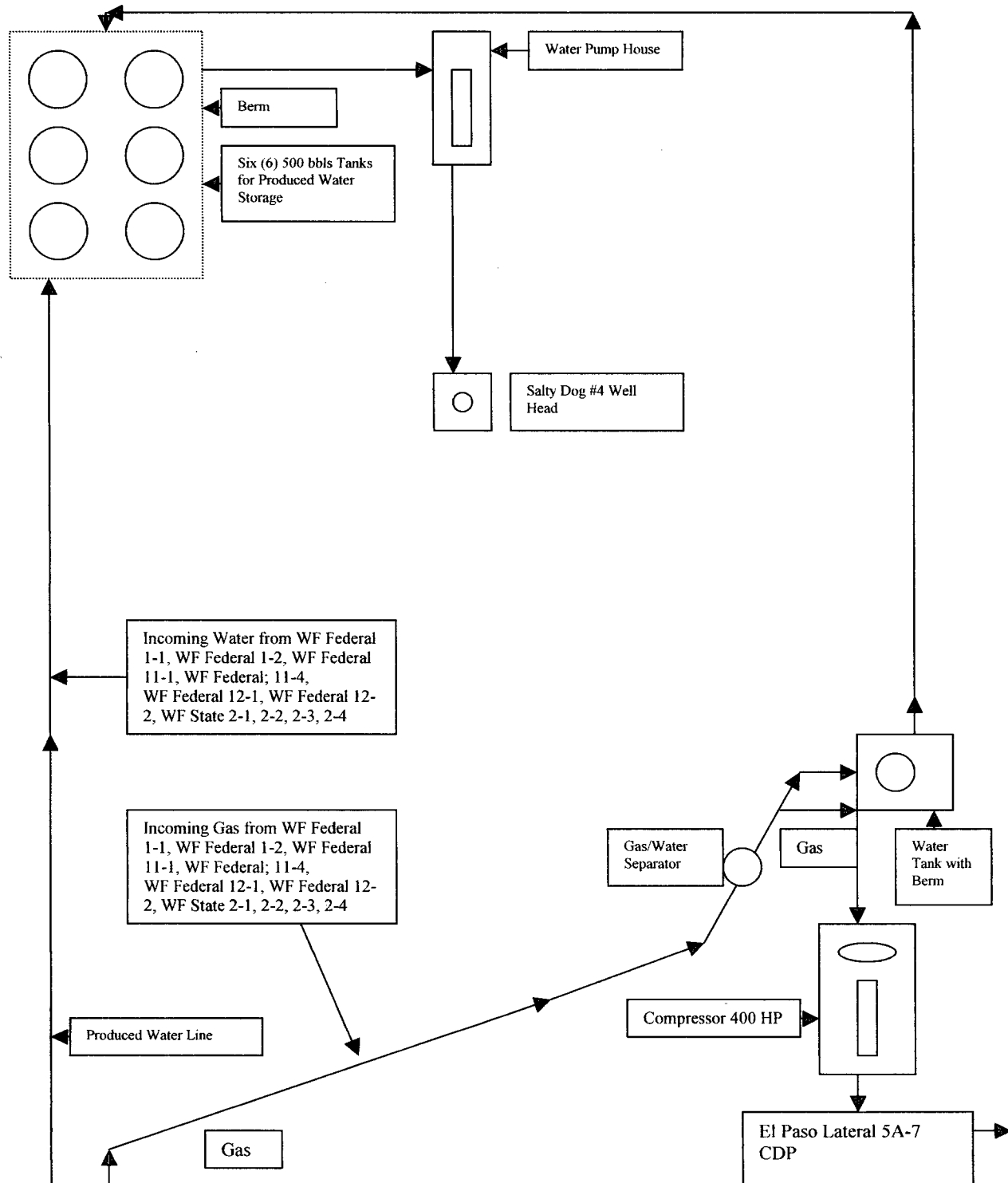
3. Name of Field or Pool (if applicable): Blanco Mesaverde

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: PC @ 1448-1668' Menefee Coal @ 3228-3928'
 Gallup Top Estimated @ 5252'

Richardson Operating Company
Salty Dog #4 SWD-El Paso Compressor/CDP
NE/4SW/4-Section 1-T30N-R14W, NMPM
San Juan County, New Mexico
Site Layout

North



SAN JUAN COUNTY, NEW MEXICO



FORM C-108
SECTION (VI)
WELLS OF PUBLIC RECORD WITHIN AREA OF REVIEW (1/2 MILE)
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

FOR
Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

VI. Injection Well Data: Wells of Public Record within 1/2 mile review area.

Source of Information: NMOCD Website (Imaging) and BLM Well Files
Well Name: Dick Hunt Federal #3 (API No. 30-045-09897)
* Well Name Changed to Little Federal #1(See Below)
Location: 1920' FSL & 1565' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico
Status: Plugged and Abandoned
Date Drilled: 11-23-64
Date Completed: 1-11-65
Depth Drilled: 6275'
Formation Objective: Dakota (Re-Entered as a Proposed Fruitland Formation)
Surface Casing: 8 5/8" @250'
Production Casing: None (See Below) 4 1/2" for Fruitland Completion
Drilling History: Spud well on 11-23-64. Set 8 5/8" surface casing @ 250' and cemented with 130 sx. Plug down @ 10:30 AM, 11-23-64. Total depth of (unreadable on sundry) reached on 12-13-64. Completion report shows TD @ 6275'. Ran electric log. Results show well to be a dry hole.
Electric Log tops as follows:
1493' Pictured Cliffs
1631' Lewis Shale
3098' Mesaverde
4273' Mancos Shale
5260' Gallup
5545' Lower Mancos
6018' Greenhorn Ls
6077' Graneros Shale
6133' Dakota
Note: Log not available.
On 11-19-76 sundry sent to BLM proposing to re-enter wellbore as a Fruitland Completion. Well bore will be cleaned out to cement plug @ 1450'. Notation says well name changed to Little Federal No. 1 from Dick Hunt Federal No. 3 and original operator was Shar-Alan Oil Co. On 1-6-77 sundry to BLM notes that on 12-13-76 ran 37 jts. 4 1/2" 10.5# & 13.5#m CW-55 & N-80, ST&C & LT&C casing (1,397.33') set @ 1406.33' with 150 sx 65/35 pozmix with 12.0% gel followed by 125 sx 50/50 pozmix "A" with 6 1/4 lbs Gilsonite per sx. Cement @ surface. 12-16-76. PBTD @ 1369'. Perfed Fruitland formation 1171'-1179, 1181'-1194' (GR log) with 2 shots per foot; sand water frac. Well completion report on 1-6-77 shows well completed showing 297 Mcf and 0 water. Waiting on pipeline connection. Sundry on 5-4-77 shows ran 36 jts 1 1/4" 2.4# J-55 EVE tubing (1,167.93') landed @ 1,172.93'. Tubing perfs @ 1171'-1173'.
Production History: None (appears no C-104 ever filed with OCD).

Plugging History:

On 12-14-64, sundry sent to BLM with following P & A-spot cement plug from 6081' to 6180' with 35 sx. From 4225-4233' with approximately 30 sx. 3030-3150' with approximately 30 sx. 1440-1540' with approximately 30 sx. Use Approximately 5 sx to surface. Note of verbal approval obtained from USGS to P&A by drilling contractor Floyd J. Ray.

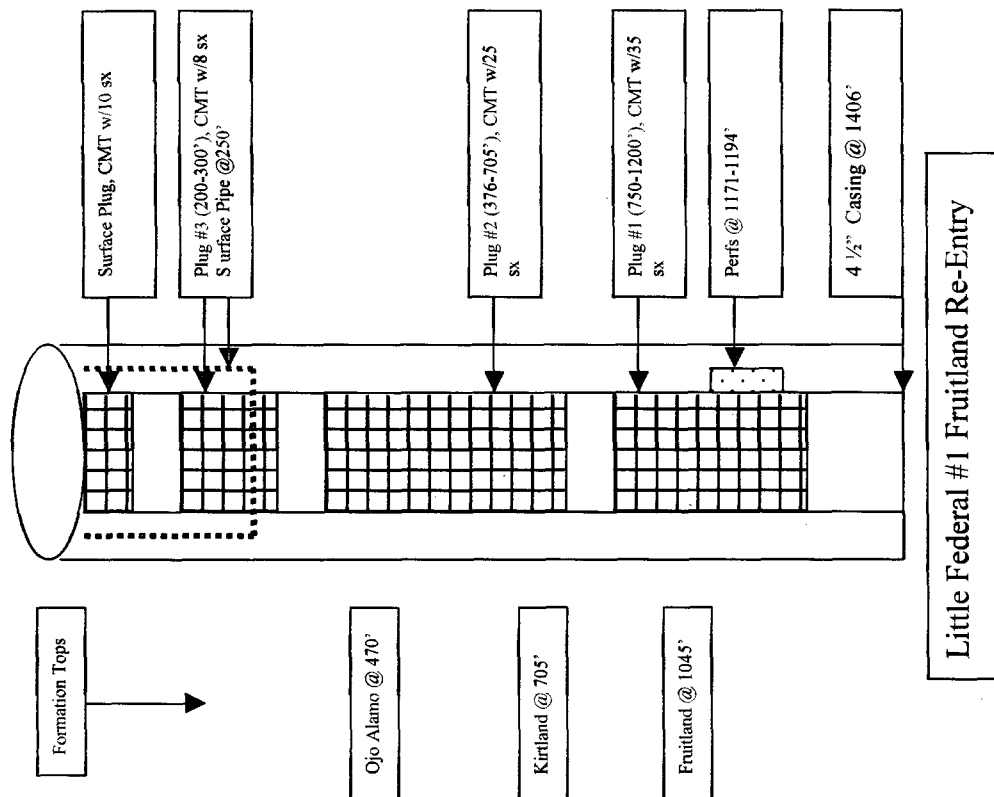
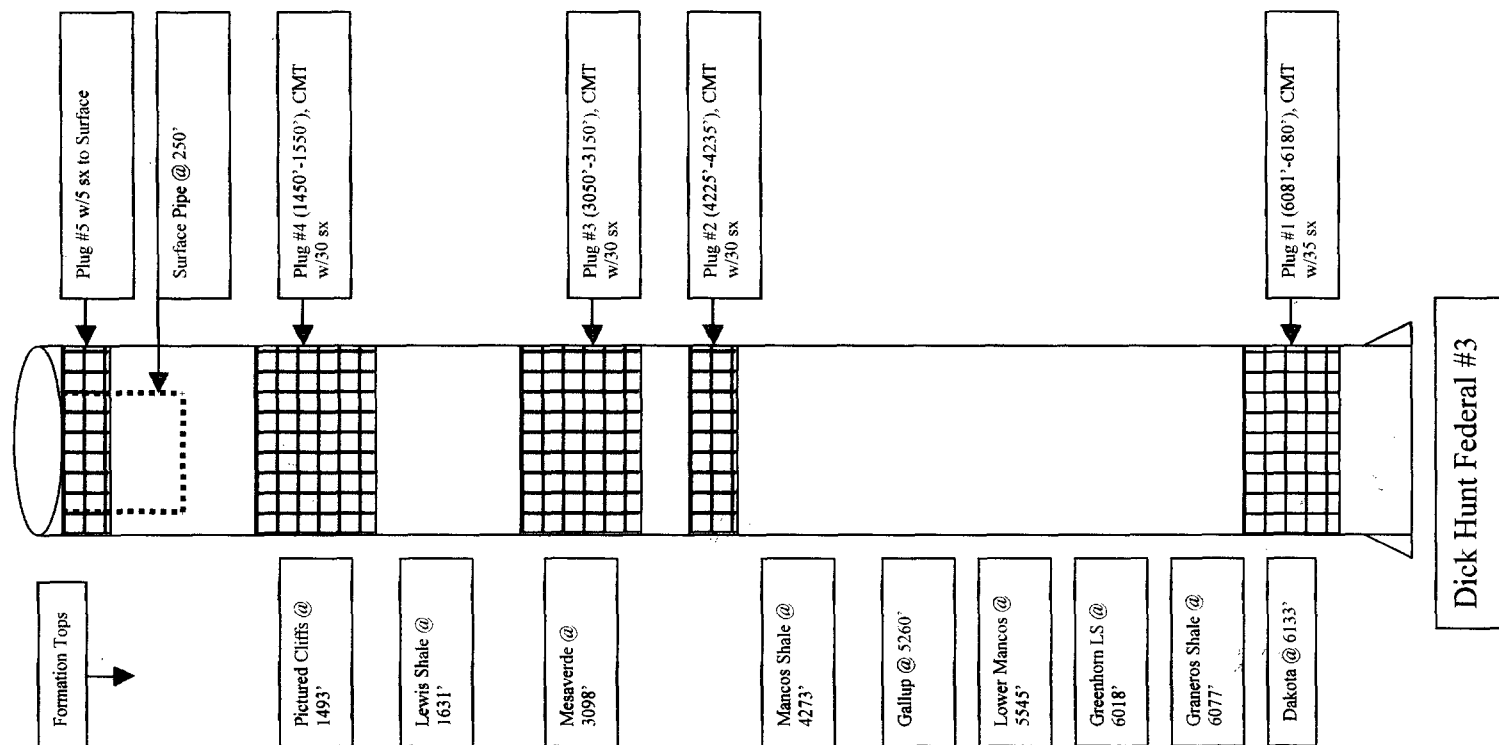
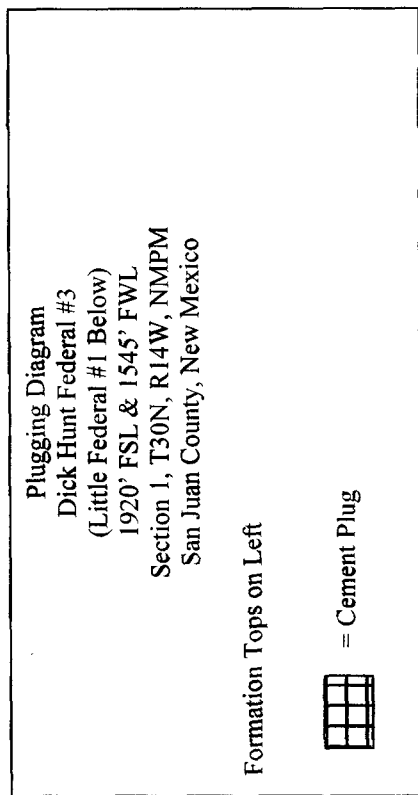
On 12-15-64, subject well was plugged and abandoned as follows:

spotted cement plug from 6081' to 6180' with 35 sx. From 4225-4235' with approximately 30 sx. 3050-3150' with approximately 30 sx. 1450-1550' with approximately 30 sx. Approximately 5 sx to surface casing. End of report.

For Fruitland re-entry: File shows schematic for P & A noting verbal approval to P & A given by Errol Beshar on 6-18-80. Sundry on 6-18-80 says well will be plugged with: Spot 35 sx plug @ 1200-750'. Spot 25 sx plug @ 705-376'. Spot 8 sx plug across surface pipe 300 to 200'. Spot 10 sx surface plug and set marker. Clean-up locaton to BLM specs. On 7-25-80 the following P & A took place: Spot 35 sx plug @ 1200-750'. Spot 25 sx plug @ 705-376'. Spot 8 sx plug across surface pipe 300 to 200'. Spot 10 sx surface plug and set marker. Approval given by BLM.

Date of P & A:

12-15-64. (7-25-80).



FORM C-108
SECTION (VI)
WELLS OF PUBLIC RECORD WITHIN AREA OF REVIEW (1/2 MILE)
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

FOR
*Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico*

VI. Injection Well Data: Wells of Public Record within 1/2 mile review area.

Source of Information: NMOCD Website (Imaging) and BLM Well Files
Well Name: Dick Hunt Federal #2 (API No. 30-045-09525)
Location: 2150' FNL & 940' FEL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico
Status: Plugged and Abandoned
Date Drilled: 6-29-64
Date Completed: 1-11-65
Depth Drilled: 6375'
Formation Objective: Dakota
Surface Casing: 8 5/8" @ 225'
Production Casing: 5 1/2" @ 6330'
Drilling History: Spud well on 6-29-64. Set 8 5/8" surface casing @ 225' and cemented with 125 sx. Twisted off @ 5365'. Reached TD of 6375' on 7-20-64. Ran Electric Log. Set 5 1/2" casing @ 6370' Float collar @ 6338'. Cemented with 180 sx. Later report shows: Cemented 5 1/2", 15.5#, J-55 @ 6370' with 200 sx of 50:50 poz. Ran bond and correlation log. Poor cement through Kd. Perf'd @ 6259-60 feet with 4 holes. Ran RTTS packer on 2" tubing. Set packer @ 6240'. Squeezed through perfs @ 6259-6260 with 50 sx. Drilled out cement @ 6280. Pressure tested to 2500 psi for 10 minutes. Perforated 6166-84 with 2 holes per foot. 6219-22, 6233-39, and 6245-51 with 4 holes per foot. Frac treated down 5 1/2 casing with 40K # 20-40 sand and 56K gal. water. Ran 2 3/8" tubing to 6168'. Deviation test showed 1 1/2 degrees @ 6375 TD. Open flow test data showed AOF of 3250 MCF/D on 11-2-64. Pay Zone reflected 6184-6166, 6222-6219, 6239-6233, 6251-6245. Request for Allowable (C-104) was filed on 1-11-65. Top of pay noted as 6166' on test data sheet. Perfs were as follows: 6166-6184, 6219-6222, 6233-6239, 6245-6251.
Production History: Continuous. On 4-6-76 proposal to squeeze Kd because of excessive water production. Sundry proposed to squeeze Kd with 200 sx of cement, refrac and reperforate the Kd. Well will then be retested and evaluated as to commercial production. Various changes of ownership, C-104's etc. On 4-11-01, Four Star proposed repairing the casing or a possible P & A if no repair could be made economically. On 8-23-01, Four Star proposed P & A. P & A proposal drawn up by Key Energy with diagram.
Plugging History: On 1-7-03, sundry sent to BLM with following P & A- (12-16-02) MIRU Aztec 580. 850 PSI on tubing. 870 on csg. Blow down and pump 60 bbls down tubing. N/D wellhead and N/U BOP. Pull 196 jts 2 3/8" tubing (6203.35) and SN with plunger lift. R/U Schlumberger and run 5 1/2" casing ring gauge to 6212'.

Dick Hunt Federal #2 (API No. 30-045-09525)
Continued

Plugging History:

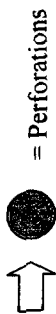
Set CIBP @ 6116'. SI overnight. (12-17-02) Run 193 jts (6107') tag CIBP and circ hole. Pressure test casing to 500 psi. OK. Mix and pump 15 sx Class G cement and spot on BP. Lay down 26 jts and STD back 167 jts. R/U Schlumberger and perf two holes @ 5346'. Run Halliburton CMT retainer to 5287' and set. Sting into and could not pump into holes. Spot 15 sx cement on top and POOH. Lay down 68 jts. SI for night.
(12-18-02) POOH and STD BK jts tubing. Perf @ 3195' and set CMT retainer @ 3134'. Pump 40 sx below and spot 15 sx above. POOH and lay down 51 jts and STD back 48 jts. Perf @ 1575' and set CMT retainer @ 1520'. Pump 40 sx below and 15 sx above. POOH and lay down 12 jts and STD BK 36 jts. Perf @ 1254' and set retainer @ 1139'. Pump 40 sx below and 15 sx above. Lay down 36 jts. Perf @ 300' and pump down casing and circulate to bradenhead. Mix and pump 125 sx CMT and circ 10 sx to surface. Shut bradenhead valve and well is plugged. BLM man on location is Mike Wade. Well head cut off and dry hole marker installed. Location cleaned-up.

Date of P & A:

12-18-02

Plugging Diagram
 Dick Hunt Federal #2
 2150' FNL & 940' FEL
 Section 1, T30N, R14W, NMPM
 San Juan County, New Mexico

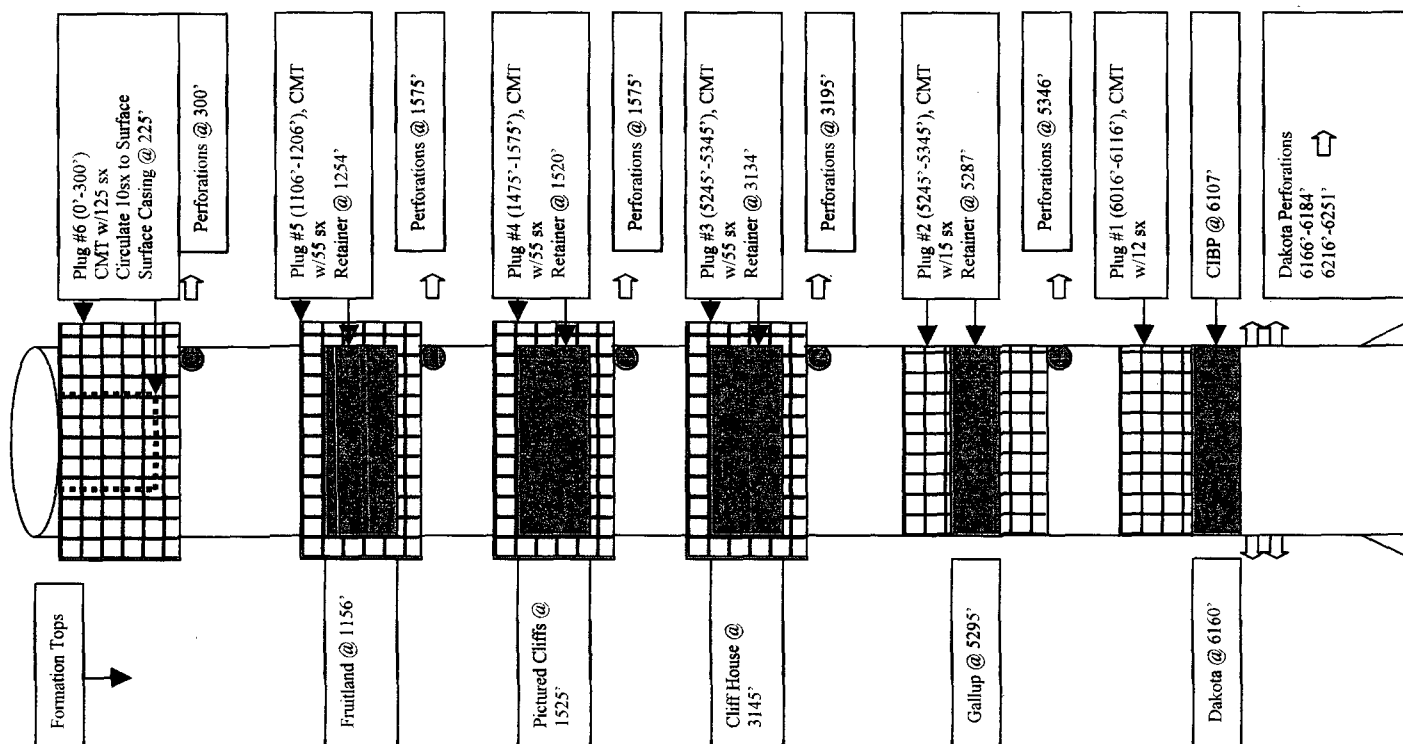
Formation Tops on Left



= Perforations



= Cement Plug



FORM C-108
SECTION (VI)
WELLS OF PUBLIC RECORD WITHIN AREA OF REVIEW (1/2 MILE)
APPLICATION FOR AUTHORIZATION TO INJECT
CONTINUED

FOR
Richardson Operating Company
Salty Dog #4 Disposal Well
2580' FSL & 1890' FWL
Section 1, T30N, R14W, NMPM
San Juan County, New Mexico

VI. Injection Well Data: Wells of Public Record within 1/2 mile review area.

Source of Information:	NMOCD Website (Imaging) and BLM Well Files
Well Name:	Little Federal #2 (API No. 30-045-22299)
Location:	1090' FNL & 1850' FWL Section 1, T30N, R14W, NMPM San Juan County, New Mexico
Status:	Plugged and Abandoned
Date Drilled:	1-13-77
Date Completed:	2-28-77
Depth Drilled:	6556'
Formation Objective:	Dakota
Surface Casing:	8 5/8" @ 317'
Production Casing:	4 1/2" @ 6549 (PBTD @ 6522)
Drilling History:	Spud well on 1-13-77. Ran 7 jts. 8 5/8", 24#, K-55 casing (294.31') set at 317' with 250 sx Class B with 2% CaCl and 1/4# Flocele per sx. Cement circulated. Test with 500 psig. Test OK. On 1-28-77 TD reached @ 6550'. Ran 165 jts, 4 1/2" 10.5#, GW-55, casing (6,536.97') set @ 6,548.97' with First-Stage-350 sx, 50:50 Pozmix "A" with 12.5 lbs Gilsonite and 6 lbs. Salt per sx. Stage cementing tool @ 1820'. Second stage 175 sx 65-35 pozmix with 12% Gel. AOF of 3.460Mcf/d calculate by Ewell Walsh on 2-16-77. Sundry on 2-28-77 sent in to reflect Peforations in Kd @ 6460'-6466', 6468'-6474', and 6480'-6494' with two shots per foot. Sandwater frac. Well completion report on 2-28-77 to BLM reflected TD of 6556'. Producing interval of 6308'-6494' Kd. Perfs @ 6308'-6384 (38') 2 per shots foot; 6460'-6494 (26') 2 per shots foot.
Production History:	Continuous. On 6-3-77 Sundry submitted for setting a retainer @ 6435'. Squeeze perfs @ 6460' to 6494' with 50 sx Class B cement to shut off water. On 4-16-81, E.P.X. filed sundry to run Halliburton E-Z drill squeeze packer to isolate suspected casing leak. Well will be evaluated for repair or P & A. Approval granted to test well until 7-24-81. At the end of time granted it will be required to permanently repair casing in order to produce well. 4-21-81 Ran 201 jts. Of 2 3/8" 4.7# J-55 tubing (6190.64) SET @ 6200.64' with Halliburton EZ "SU" squeeze packer on the bottom to isolate casing leak. Well will be evaluated for formation damage. Various reports on sundry as follows: Dwinell Bros. Rig #1 MIRU and pulled tubing. Isolated casing failure @ 3915'-3560' w/4 1/2" RTTS packer. Ran 4 1/2" cement retainer set @ 3359'. Cemented with/236 cf. cement for squeeze #1. Pressure tested to 1500#. Did not hold. Cemented with 118 cf cement for squeeze #2. Cleaned out to below squeeze. Pressure tested to 1500#, bled off to 750#. TIH w/tubing open ended to 3978'. Spot 49 cf of cement plug across bad casing, Pressure up on casing to 1700 psi-squeeze #3. WOC. Tagged cement @ 3700' & drilled out @ 4000'. Circ hole.

Isolated casing leak w/RTTS between 3770' and 3816'. Set cement retainer @ 3659'. Cemented with 59 cf cement, for squeeze #4.

Drilled cement from 3519' to 3817'. Retainer was @ 3659'. Pressure tested. Held @ 1500#. OK. Blew well w/gas to 3900'. Set 4 1/2" RTTS packer @ 3508'. Isolated leak between 3770' and 3783'. TOO H w packer. Set cement retainer @ 3569'. Cemented with 59 cf of cement for squeeze #5. Drilled out cement. Pressure tested to 1000 psi. held OK. TIH w/ 3 7/8" mill on 2 3/8" tubing blowing down w/gas. Drilled cement. Retainer @ 6200'. Cleaned out with gas to 6435'. Ran 206 jts. of 2 3/8", 4.7# tbg. Set @ 3256'. Baker Model R production packer set @ 4012'. Returned well to production. Change of ownership to Meridian Oil. On 3-25-93.

Plugging History:

Sundry sent in to BLM intending to plug & abandon the Little Federal #2 well. Approved on 4-14-93. Plugging procedure with present well bore submitted for approval. Procedure as follows: (6-22-93) MOL & RU. Blew down. Pump 20 BW down tbg. ND WH. NU BOP. TOO H w/tbg & packer. Cmt ret @ 6252'. PT tbg 1400#. Cement plug 6435-6252' with 20 sx Class B cmt under retainer, 5 sx on top. Pull up 20 stds. SDFN. (6-23-93) TIH, tag cement @ 5452'. Approval from BLM to change procedure received. Circ hole w/70 BW. PT csg 425#/5 min, OK. Perf 4 holes change procedure received f/r. Snow. TIH to 5448'. Cmt plug #2 w/35 sx Class B cmt 5448-4990'. Pull up to 4834'. Try to squeeze cmt through perfs by press to 800 psi. Spot 24 bbl 9 # 50 vis mud 4834-3300'. Perf 4 holes @ 3326'. Cmt plug #3 w/55 sx cement outside casing @ 3300' w/1000 psi. Left 20 sx inside csg @ 3036'. (6-24-93) Tag cement @ 3141'. Pull up to 3110'. Load hole with 40 bbl 9 # mud. TOO H to 1694'. Cmt plug #4 1700-883' w/62 sx Class B cement. TOO H to 862'. Reverse circ clean w/13 bbls water. Perf two holes @ 835 and 367' each. Set cement retainer @ 770'. Est. rate. Cement plug #5 835-560' w/104 sx Class B under retainer, and 21 sx on top. TOC @ 493'. TOO H. Est rate out bradenhead. Cmt plug #6 367-surface w/108 sx Class B cmt, circ 2 bbls to surface. WOC. ND BOP. Cut off WH. Install dry hole marker. Released rig. Well plugged and abandoned. 6-24-93.

Date of P & A:

Plugging Diagram

Little Federal #2

1090' FNL & 1850' FWL

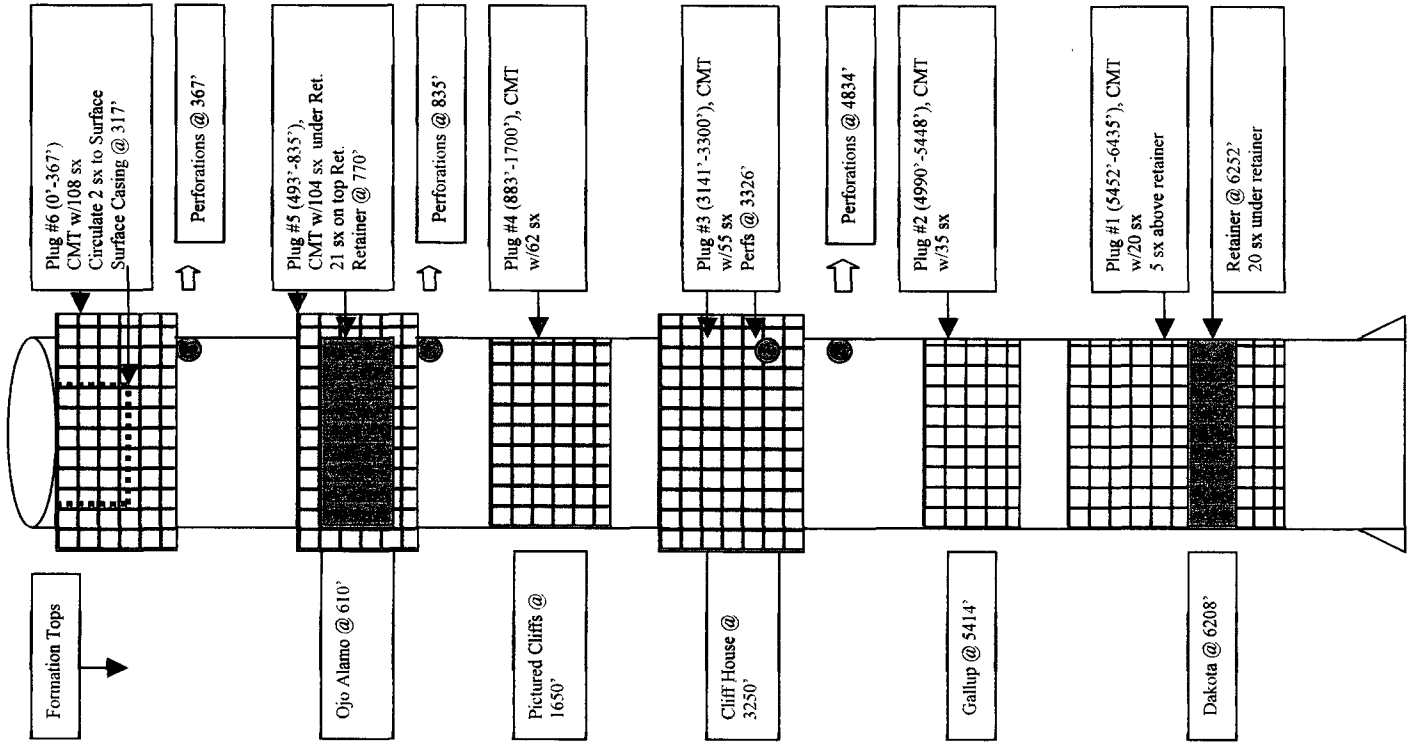
Section 1, T30N, R14W, NMPM

San Juan County, New Mexico

Formation Tops on Left

↑ = Perforations

■ = Cement Plug





American Energy Services
Water Analysis Results Sheet
Farmington NM
708 S. Tucker
Phone: (505) 325-4192
Fax: (505) 564-3524
Zip: 87401

Harper Hill PC
Unit F
Ap1 - 30-045-30179
14-30-14

Operator:	Dugan Production	Date:	May 5, 2002
Well :	Mucho Deal #14	District:	Farmington
Formation:	Pictured Cliff	Requested by:	John Alexander
County:	San Juan	Technician:	Mike Brown
Depth:	n/a	Source:	Well

Harper Hill PC

PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAVITY: 1 AT 68 Degrees F.			
pH:	8.7	SULFATES:	0 ppm
IRON:	0 ppm	CALCIUM:	360.0 ppm
H2S:	0 ppm	BICARBONATES:	1988.6 ppm
MAGNESIUM:	1069.2 ppm	RESISTIVITY:	11 ohm/meter
		CHLORIDES:	2800.0 ppm
		SODIUM :	134.2 ppm
		POTASSIUM:	3.0 ppm
		TDS:	6365.98 ppm

CaCO3 Scale Tendency = Possible

CaSO4 Scale Tendency = Remote

REMARKS:

--

Data contained in this document is based on the best information & most current test procedures and materials available. No liability is expressed or implied.



American Energy Services

Water Analysis Results Sheet

Farmington NM

708 S. Tucker

Phone:(505)325-4192

Fax:(505)564-3524

Zip:87401

30-14

Operator:	Dugan Production	Date:	May 5, 2002
Well :	Tabor Injection Plant	District:	Farmington
Formation:	Fruitland Coal & Pictured Cliff	Requested by:	John Alexander
County:	San Juan	Technician:	Mike Brown
Depth:	n/a	Source:	Well

PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAVITY:	1.002	AT 68 Degrees F.	
pH:	7.8	SULFATES:	0 ppm
		CALCIUM:	239.5 ppm
IRON:	0 ppm	BICARBONATES:	1034.9 ppm
		RESISTIVITY:	0.38 ohm/meter
H2S:	0 ppm	CHLORIDES:	8383.2 ppm
		SODIUM :	3305.9 ppm
		POTASSIUM:	17.0 ppm
MAGNESIUM:	1188.3 ppm	TDS:	14169.27 ppm

CaCO3 Scale Tendency = Remote

CaSO4 Scale Tendency = Remote

REMARKS:

Data contained in this document is based on the best information & most current test procedures and materials available. No liability is expressed or implied.



American Energy Services

Water Analysis Results Sheet

Farmington NM

708 S. Tucker

Phone:(505)325-4192

Fax:(505)564-3524

Zip:87401

in Sec. 3-25-14
Locke SWD

Operator:	Dugan Production	Date:	May 24, 2002
Well :	Locke #1	District:	Farmington
Formation:	Mesa Verde	Requested by:	John Alexander
County:	San Juan	Technician:	Mike Brown
Depth:	n/a	Source:	Well

PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAVITY: 1.05 AT 67 Degrees F.

pH: 6.89

IRON: 10 ppm

H₂S: 0 ppm

MAGNESIUM: 1411.7 ppm

SULFATES: 0 ppm

CALCIUM: 647.6 ppm

BICARBONATES: 348.6 ppm

RESISTIVITY: 0.12 ohm/meter

CHLORIDES: 24000.0 ppm

SODIUM : 12274.5 ppm

POTASSIUM: 300.0 ppm

TDS: 38992.56 ppm

CaCO₃ Scale Tendency = Remote

CaSO₄ Scale Tendency = Remote

REMARKS:

--

Data contained in this document is based on the best information & most current test procedures and materials available. No liability is expressed or implied.

AFFIDAVIT OF PUBLICATION

Ad No. 49756

STATE OF NEW MEXICO County of San Juan:

CONNIE PRUITT, being duly sworn says:
That she is the CLASSIFIED MANAGER of
THE DAILY TIMES, a daily newspaper of
general circulation published in English at
Farmington, said county and state, and that
the hereto attached Legal Notice was
published in a regular and entire issue of the
said DAILY TIMES, a daily newspaper duly
qualified for the purpose within the meaning of
Chapter 167 of the 1937 Session Laws of the
State of New Mexico for publication and
appeared in the Internet at The Daily Times
web site on the following day(s):

Friday, April 30, 2004.

And the cost of the publication is \$48.67.

Connie Pruitt

ON 5-3-04 CONNIE PRUITT
appeared before me, whom I know personally
to be the person who signed the above
document.

Gunny Beck
My Commission Expires April 2, 2008.

COPY OF PUBLICATION

(Authorization to Inject).
Intended purpose of the
Application will be to drill and
complete the Salty Dog #4 as
a salt water disposal well.
The formation name and
depth will be the Cliff House
(3088'-3228') and the Point
Lookout (3928'-4298').
Maximum injection rate will be
approximately 2000 BWPB.
Maximum injection pressure
will be approximately 617 PSI.
Interested parties must file
their objections or requests for
hearing with the Oil
Conservation Division, 1220
South St. Francis Drive, Santa
Fe, New Mexico 87505, within
15 days.

Legal No. 49756 published in
The Daily Times, Farmington,
New Mexico on Friday, April
30, 2004.

918 Legals

NOTICE OF INTENT DRILL SALT WATER DISPOSAL WELL AND INJECT PRODUCED WATER

Contact Party:
Richardson Operating
Company
3100 La Plata Highway
Farmington, New Mexico
87401
Attn: Paul Lehrman
(505) 564-8115

**Well Name and Legal
Description:**
Salty Dog #4 Swd
2580' FSL & 1890' FWL
Section 1, Township 30 North,
Range 14 West, NMPM
San Juan County,
New Mexico

Richardson Operating
Company is making
application with the New
Mexico Oil Conservation
Division for a C-108

Continued On
Next Column

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0615

Credo Petroleum Corporation

Attn: Mr. James T. Huffman

1801 Broadway, Suite 900

Denver, Colorado 80202

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Huffman:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

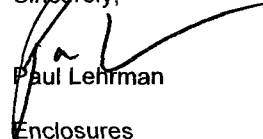
Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehman

Enclosures

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL

7002 3150 0002 0907 0615
7002 3150 0002 0907 0615

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To

Credo Petroleum Corp

Street, Apt. No.,
or PO Box No. *1801 Broadway, Ste 900*

City, State, ZIP+4 *Denver, Co 80202*

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Credo Petroleum Corp.
Attn: SAMER HUFFMAN
1801 Broadway, Ste 900
Denver, Co 80202

2. Article Number

(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1?** ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

7002 3150 0002 0907 0615

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0622

Mr. R.K. O'Connell

P.O. Box 371

Casper, Wyoming 82602

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. O'Connell:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. R.K. O'Connell
P.O. Box 371
Casper, WY 82602

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7002 3150 0002 0907 0622

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL™

7002 3150 0002 0907 0622

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage

\$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$

Postmark
Here

Sent To

Mr. R.K. O'Connell

Street, Apt. No.,
or PO Box No.

P.O. Box 371

City, State, ZIP+4

Casper, WY 82602

PS Form 3800, June 2002

See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0639

Ms. C.K. O'Connell

P.O. Box 371

Casper, Wyoming 82602

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Ms. O'Connell:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL™

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Ms. C.K. O'Connell
 Street, Apt. No., or PO Box No. P.O. Box 371
 City, State, ZIP+4 Casper, WY 82602

7002 3150 0002 0907 0639
 7002 3150 0002 0907 0639

PS Form 3800, June 2002
 See Reverse for Instructions

PS Form 3811, August 2001
 Domestic Return Receipt
 2ACPR1-03-Z-0985

7002 3150 0002 0907 0639
 (Transfer from service label)

1. Article Addressed to:

Ms. C.K. O'Connell
P.O. Box 371
Casper, WY 82602

2. Article Number

7002 3150 0002 0907 0639

3. Service Type

☒ Certified Mail
☐ Registered
☐ Insured Mail
☐ Return Receipt for Merchandise
☐ Express Mail
☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes ☐ No

5. Signature

☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No

If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

☐ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
☐ Print your name and address on the reverse so that we can return the card to you.
☐ Attach this card to the back of the mailpiece, or on the front if space permits.

COMPLETE THIS SECTION ON DELIVERY

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0646

Mr. Bill D. Farleigh

P.O. Box 3215

Casper, Wyoming 82602

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Farleigh:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL

7002 3150 0002 0907 0646
7002 3150 0002 0907 0646

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Mr. Bill Farleigh
Street, Apt. No.,
or PO Box No. *P.O. Box 3215*
City, State, ZIP+4 *Casper, WY 82602*

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Bill Farleigh
P.O. Box 3215
Casper, WY 82602

2. Article Number
(Transfer from service label)

7002 3150 0002 0907 0646

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0653

Don E. Lawson and Marjorie C. Lawson, Trustees
330 S. Center Street
Casper, Wyoming 82601

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. And Mrs. Lawson:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures



7002 3150 0002 0907 0653
7002 3150 0002 0907 0653

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To Don E. & Marjorie C. Larson
 Street, Apt. No.;
 or PO Box No. 320 S. Center St.
 City, State, ZIP+4 Casper, WY 82601

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Don E. & Marjorie C. Larson Tr.
320 S. Center St
Casper, WY 82601

2. Article Number
(Transfer from service label)

7002 3150 0002 0907 0653

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
☐ Addressee
X

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0660

Mr. Roger Herrera
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Herrera:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

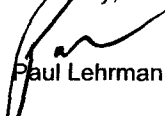
Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman
Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Roger Herrera
Bureau of Land Management
1235 L. Plaza Hwy
Farm. NM 87401

2. Article Number

(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

7002 3150 0002 0907 0660

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail
Return Receipt Requested
Article No. 7002 3150 0002 0907 0677

Mr. Tom Schmidt
Four Star Oil & Gas Company
P.O. Box 36366
Houston, TX 77236-6366

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Schmidt:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

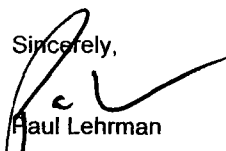
Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,

Paul Lehrman
Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Tom Schmidt
Four Star Oil & Gas Co.
P.O. Box 36366
Houston, TX
77236-6366

2. Article Number
(Transfer from service label)

7002 3150 0002 0907 0677

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Certified Mail
- ☐ Registered
- ☐ Insured Mail
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

Four Star Oil & Gas / Tom Schmidt
P.O. Box 36366
Houston, TX 77236-6366

PS Form 3800, June 2002

See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0684

Mr. Claude Nebeker
742 19th Street
Evanston, WY 82930

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Nebeker:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Claude Nebeker
742 19th St.
Evanston, WY 82930

2. Article Number
(Transfer from service label)

7002 3150 0002 0907 0684

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ YesPLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7002 3150 0002 0907 0684
7002 3150 0002 0907 0684

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage

\$

Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

\$

Postmark
Here

Sent To

Claude Nebeker

Street, Apt. No.,
or PO Box No.

742 19th St

City, State, ZIP+4

Evanston, WY 82930

PS Form 3811, August 2001

See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail
Return Receipt Requested
Article No. 7002 3150 0002 0907 0691

Mr. James Drollinger
1900 N 3000 W
Vernal, UT 84078

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Drollinger:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JAMES DROLLINGER
1900 N. 3000 W.
Vernal, VT 84078

2. Article Number

(Transfer from service label)

7002 3150 0002 0907 0691

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No.

City, State, ZIP+4

JAMES DROLLINGER

1900 N. 3000 W.

Vernal, VT 84078

PS Form 3800, June 2002

See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7002 3150 0002 0907 0691

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0707

Mr. Lyle J. Robison
Route 3, Box 108
Rexburg, ID 83440

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Robison:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

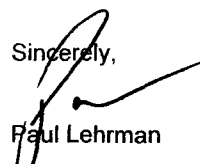
Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,

Paul Lehrman
Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lyle T. Robison
Rt 3, Box 108
Rexburg, ID 83440

2. Article Number

(Transfer from service label)

7002 3150 0002 0907 0707

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE
CERTIFIED MAIL™

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No.

City, State, ZIP+4

Lyle T. Robison

Rt 3, Box 108

Rexburg, ID 83440

PS Form 3800, June 2002

See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0714

Ms. Melva Jean Bowen

PO Box 149

Aberdeen, MS 39370

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Ms. Bowen:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

PS Form 3800, June 2002 See Reverse for Instructions

Sent To
Melva Jean Bowen
P.O. Box 149
Gibbsboro, NJ 08020

City, State, ZIP+4
Street, Apt. No.
or PO Box No.

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

OFFICIAL USE

For delivery information visit our website at www.usps.com

U.S. Postal ServiceTM CERTIFIED MAILTM RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

7002 3150 0002 0907 0714

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAILTM

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ms. Melva Jean Bowen
P.O. Box 149
Gibbsboro, NJ 08020

2. Article Number
(Transfer from service label)

PS Form 3811, August 2001

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

7002 3150 0002 0907 0714

Domestic Return Receipt

2ACPRI-03-Z-0985

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail
Return Receipt Requested
Article No. 7002 3150 0002 0907 0721

Shirl R. Kump
PO Box 216
Rangely, CO 81648

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Kump:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL™

7002 3150 0002 0907 0721
7002 3150 0002 0907 0721

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No. *Shirl R. Kump*
P.O. Box 216
City, State, ZIP+4 *Rangely Co 81648*

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Shirl R. Kump
P.O. Box 216
Rangely Co 81648

2. Article Number
(Transfer from service label)

7002 3150 0002 0907 0721

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent
☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0738

Larson Caldwell

1974 West 800 South

Vernal, UT 84078

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Caldwell:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

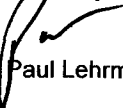
Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: <div style="text-align: center;"> Larson Caldwell 1974 W. 800 S. Vernal, VT 84078 </div>		B. Received by (Printed Name)	C. Date of Delivery
2. Article Number (Transfer from service label)		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, August 2001		Domestic Return Receipt	

7002 3150 0002 0907 0738

2ACPRI-03-Z-0985

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.
CERTIFIED MAIL™

7002 3150 0002 0907 0738
7002 3150 0002 0907 0738

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	Postmark Here
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Sent To <u>Larson Caldwell</u>	
Street, Apt. No., or PO Box No. <u>1974 W. 800 S.</u>	
City, State, ZIP+4 <u>Vernal, VT 84078</u>	
PS Form 3800, June 2002 See Reverse for Instructions	

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail
Return Receipt Requested
Article No. 7002 3150 0002 0907 0745

Dr. Dale Larson
157 N 1st East
Roosevelt, UT 84066

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Dr. Larsen:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Dr. Dale Larsen
157 N. 1ST E.
Roosevelt, VT 84066

2. Article Number

(Transfer from service label)

7002 3150 0002 0907 0745

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL™

7002 3150 0002 0907 0745
7002 3150 0002 0907 0745

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No.

City, State, ZIP+4

Dr. Dale Larsen

157 N. 1ST E.

Roosevelt, VT 84066

PS Form 3800, June 2002

See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0752

Frank Kelch
322 S. David
Casper, WY 82601

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Kelch:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,


Paul Lehrman

Enclosures

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE
CERTIFIED MAIL™

7002 3150 0002 0907 0752
7002 3150 0002 0907 0752

U.S. Postal Service™
CERTIFIED MAIL™
RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To **Frank G. Kelleh**
Street, Apt. No.
or PO Box No. **322 S. David**
City, State, ZIP+4 **Casper, WY 82601**

PS Form 3800, June 2002 See Reverse for Instructions

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail
Return Receipt Requested
Article No. 7002 3150 0002 0907 0769

Dale Allen
Box 583
Mills, WY 82644

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Allen:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

PS Form 3800, June 2002 See Reverse for Instructions

City, State, ZIP+4
Mills, WY 82644

Street Apt. No.
P.O. Box 583

Sent To

Total Postage & Fees \$

Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Postmark Here

OFFICIAL USE

For delivery information visit our website at www.usps.com®

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7002 3150 0002 0907 0769
7002 3150 0002 0907 0769



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p style="text-align: center;">Dale Allen P.O. Box 583 Mills, WY 82644</p>		<p>B. Received by (Printed Name) C. Date of Delivery</p>	
<p>2. Article Number (Transfer from service label)</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, August 2001</p>		<p>Domestic Return Receipt</p>	

7002 3150 0002 0907 0769

2ACPRI-03-Z-0985

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0776

Edward Colton

Box 389

Vernal, UT 84078

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Mr. Colton:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

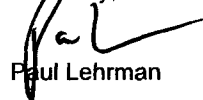
Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

PS Form 3800, June 2002
See Reverse for Instructions

Sent To: **Edward Colton**
 Street, Apt. No.,
 or PO Box No. **Box 389**
 City, State, ZIP+4 **Vernal, VT 84078**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Postmark Here

For delivery information visit our website at www.usps.com
OFFICIAL USE

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

7002 3150 0002 0907 0776
 7002 3150 0002 0907 0776

CERTIFIED MAIL™

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS; FOLD AT DOTTED LINE

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Edward Colton
Box 389
Vernal, VT
84078

2. Article Number
 (Transfer from service label)

7002 3150 0002 0907 0776

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-Z-0985

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
X ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

RICHARDSON PRODUCTION COMPANY

501 Airport Drive, Suite 119

Phone (505) 564-8115

FARMINGTON, NM 87401

FAX (505) 564-8334

April 28, 2004

Certified Mail

Return Receipt Requested

Article No. 7002 3150 0002 0907 0783

Dr. Lamar B. Roemer
530 S. University
Denver, CO 80209

RE: C-108 Authorization to Inject Application
Proposed Richardson Salty Dog #4 SWD Well
Township 30 North, Range 14 West, NMPM
2580' FSL & 1890' FWL
Section 1: NE/4SW/4
San Juan County, New Mexico

Dear Dr. Roemer:

As required by New Mexico Oil Conservation Division (NMOCD) Rules, this letter will serve to notify you of the following application (C-108/Authorization to Inject) for a salt water disposal well. This letter is a notice only. No action is required on your part unless you have objections or would like to request a hearing. Any objections or hearing requests must be filed in writing within 15 days of receipt of the application by the NMOCD.

Richardson Operating Company is applying to the NMOCD for a C-108/Authorization to Inject) for its proposed Richardson Operating Salty Dog #4 SWD well in the Cliff House/Point Lookout formation.

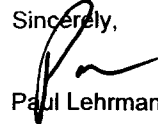
Well Name:	Salty Dog #4
Proposed Injection Zone:	Cliff House/Point Lookout
Location:	2580' FSL & 1890' FWL Section 1, T30N, R14W, NMPM, San Juan Co., NM
Applicant's Name:	Richardson Operating Company
Applicant's Address:	3100 La Plata Highway, Farmington, New Mexico 87401
Applicant's Phone No:	505/564-8115

Submittal Information: Application for a C-108/Authorization to Inject) for a salt water disposal well will be filed with the NMOCD. If they determine the application complies with the regulations, it will be approved. Any questions can be submitted to the New Mexico Oil Conservation Division, whose address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Their phone number is 505/476-3440.

Thank you for your consideration in this matter.

Please call me at 505/564-8115 (Richardson's Land Office) if you have any questions.

Sincerely,



Paul Lehrman

Enclosures

PS Form 3811, August 2001
(Transfer from service label)

2. Article Number
7002 3150 0002 0907 0783

Domestic Return Receipt
ZACPR1-03-Z-0985

1. Article Addressed to:
Dr. Lamar B. Roemer
530 S. University
Denver, CO 80209

■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

3. Service Type
☒ Certified Mail
☐ Express Mail
☐ Registered
☐ Insured Mail
4. Restricted Delivery? (Extra Fee) ☐ Yes ☐ No

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

B. Received by (Printed Name)
C. Date of Delivery
A. Signature ☒ Agent ☐ Addressee

COMPLETE THIS SECTION ON DELIVERY



7002 3150 0002 0907 0783

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To
Dr. Lamar B. Roemer
Street, Apt. No.,
or PO Box No. 530 S. University
City, State, ZIP+4 Denver, CO 80209



March 17, 2004

Mr. Jim Copeland
District Archaeologist
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Dear Jim:

Please find enclosed two copies of the survey report I prepared for Richardson Operating Company's Salty Dog #4 well pad, located in San Juan County, NM. No cultural resources were encountered and archaeological clearance is recommended for the project.

If you have any questions about the survey report, please let me know.

Sincerely,

Steven L. Fuller

Enclosures

cc: **Anne Jones, Richardson Operating Company**

NEGATIVE SURVEY AND MONITORING REPORT

BLM/FDO 1/99

1. BLM Report No.	2. BLM Review (initial & date)	3. NMCRIS Project No. 87549 Activity No.
4. Title of Report: A Cultural Resources Survey of Richardson Operating Company's Salty Dog Number 4 Well Pad and Well Tie Pipeline, San Juan County, New Mexico Author: Steven Fuller		5. Fieldwork Date(s) March 15, 2004
		6. Report Date March 17, 2004
7. Consultant Name & Address: Field Supervisor: Steven Fuller Other Crew Members: Org. Name: La Plata Archaeological Consultants Org. Address: 26851 County Road P, Dolores, Colorado 81323 Phone (970) 565-8708; Fax (970) 882-2564		8. Permit No. 19-2920-02-V
		9. Consultant Report No. LAC Report 2004-16d
10. Sponsor Name and Address: Ind. Responsible: Anne Jones Org. Name: Richardson Operating Company Org. Address: 3100 La Plata Highway, Farmington, NM 87401 Phone (505) 564-3100		11. Sponsor Project No.
		12. Area of Effect <u>1.5</u> (BLM) (Fee) Area Surveyed <u>5.25</u> (BLM) (Fee)
13. Location (Map Attached) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> a. State: New Mexico b. County: San Juan c. District: Farmington d. Land Status: BLM, Farmington Field Office </div> <div style="width: 45%;"> e. Area: T 30N R 14W Sec. 1 NE ¼ SW¼ f. Footages: 2580 FSL/1890 FWL g. 7.5" Map Name(s): USGS Youngs Lake, NM 7.5'(USGS Code:36108-G3) </div> </div>		
14. a. Description of Undertakings: The survey was for a salt water injection well pad and a short well tie pipeline which will connect to an adjacent, previously permitted water system proposed by Richardson Operating Company about 2 miles west of the La Plata River and about 6 miles northwest of Farmington, NM (See Figures 1 and 2). The well pad will measure only 225 by 135 ft (see Figure 4, well pad plat). The well is staked adjacent to the north edge of an existing road and no access is required. The short pipeline will connect to a staked line that is adjacent to the southwest corner of the pad. b. Existing Data Review: ARMS and BLM searches conducted in March indicate that there is only one previously recorded site within 0.5 mile of the area (Figure 3). The site (NM-070-41416) was rerecorded by LAC personnel in 2000 and is over 2000 ft northwest of the survey area on the top of Pinyon Mesa. c. Area Environmental/Cultural Setting: The proposed project is located on in the bottom of Coyne Arroyo, a canyon that drains off the northeast end of Pinyon Mesa, which rises to the southwest and west. The canyon cuts down through badland formations and the project are is located on exposed clay-shale formations with slopes surrounding the are covered with eroding lag gravel deposits. The main wash in Coyne Arroyo is just to the south of the survey area. The surveyed buffer zones are mostly on steep badland and cobble slopes and the vegetation is comprised of sparse pinyon and juniper, shadscale, tamarisk, rabbitbrush, sagebrush, four-wing saltbush and greasewood. d. Field Methods: Pedestrian transects spaced no greater than 15 m apart were used to survey the proposed well pad. Surveyed area includes a 525 by 435 ft block to encompass the 225 by 135 ft well pad, a 50 ft construction zone, and 100-ft wide buffer zones on all four sides (5.25 acres). No new access is required and the short water pipeline will connect just west of the well pad in the construction zone. Total area examined includes 5.25 acres, all on BLM lands. e. Artifacts Collected?: No		
15. Cultural Resource Findings: N/A a. Location/Identification of Each Resource: N/A b. Evaluation of Significance of Each Resource (above):		
16. Management Summary (Recommendations): Clearance is recommended for the project		

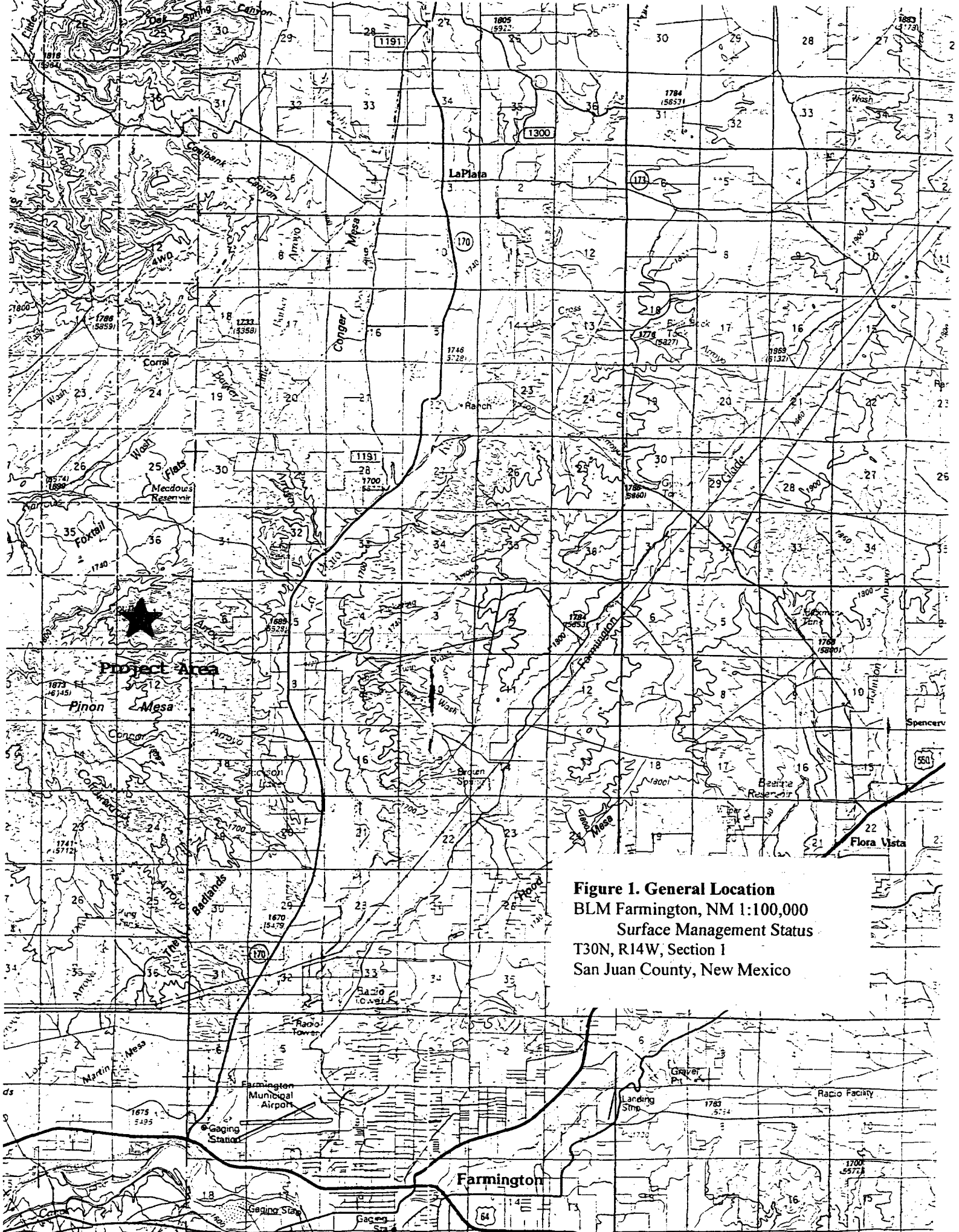
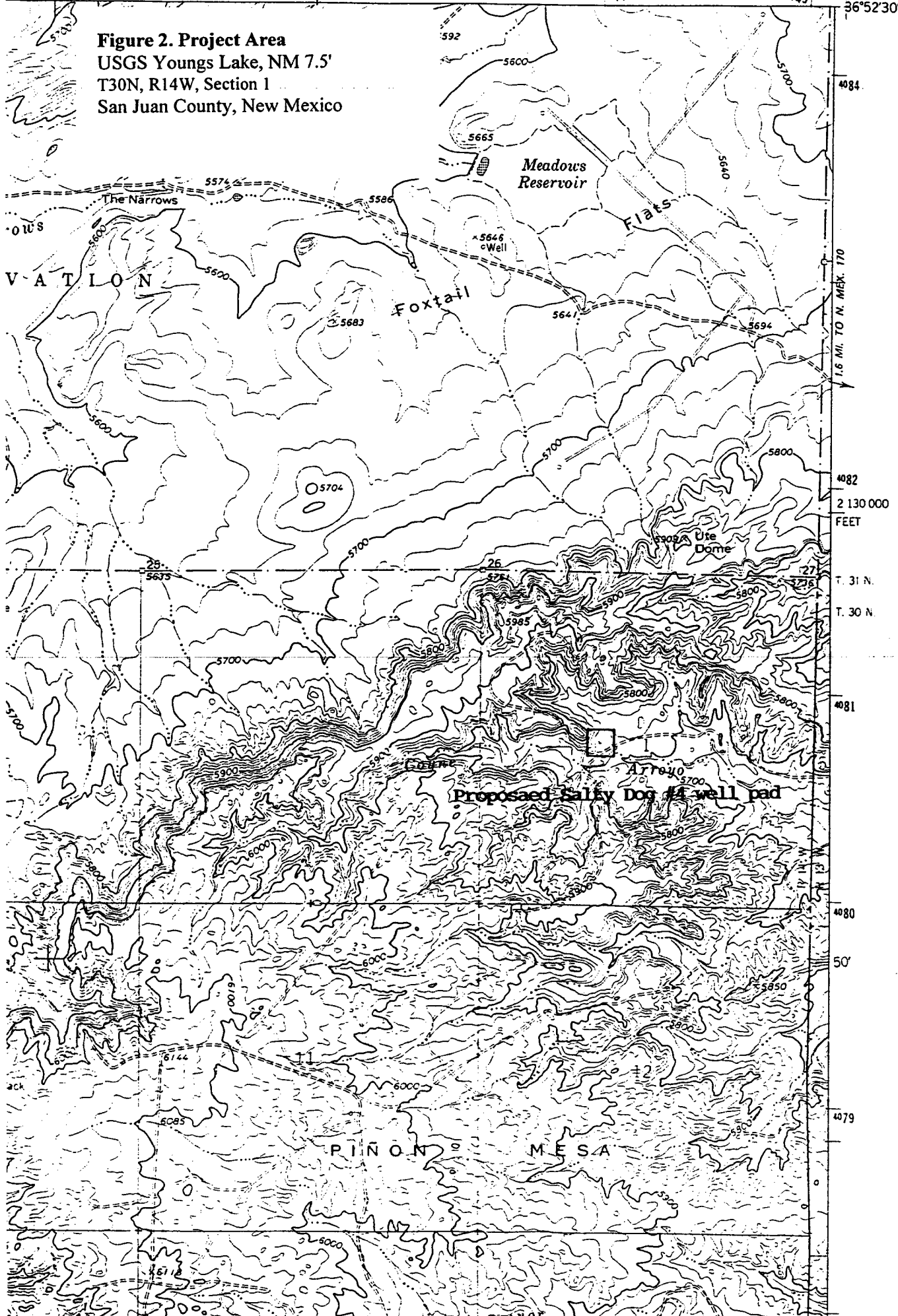
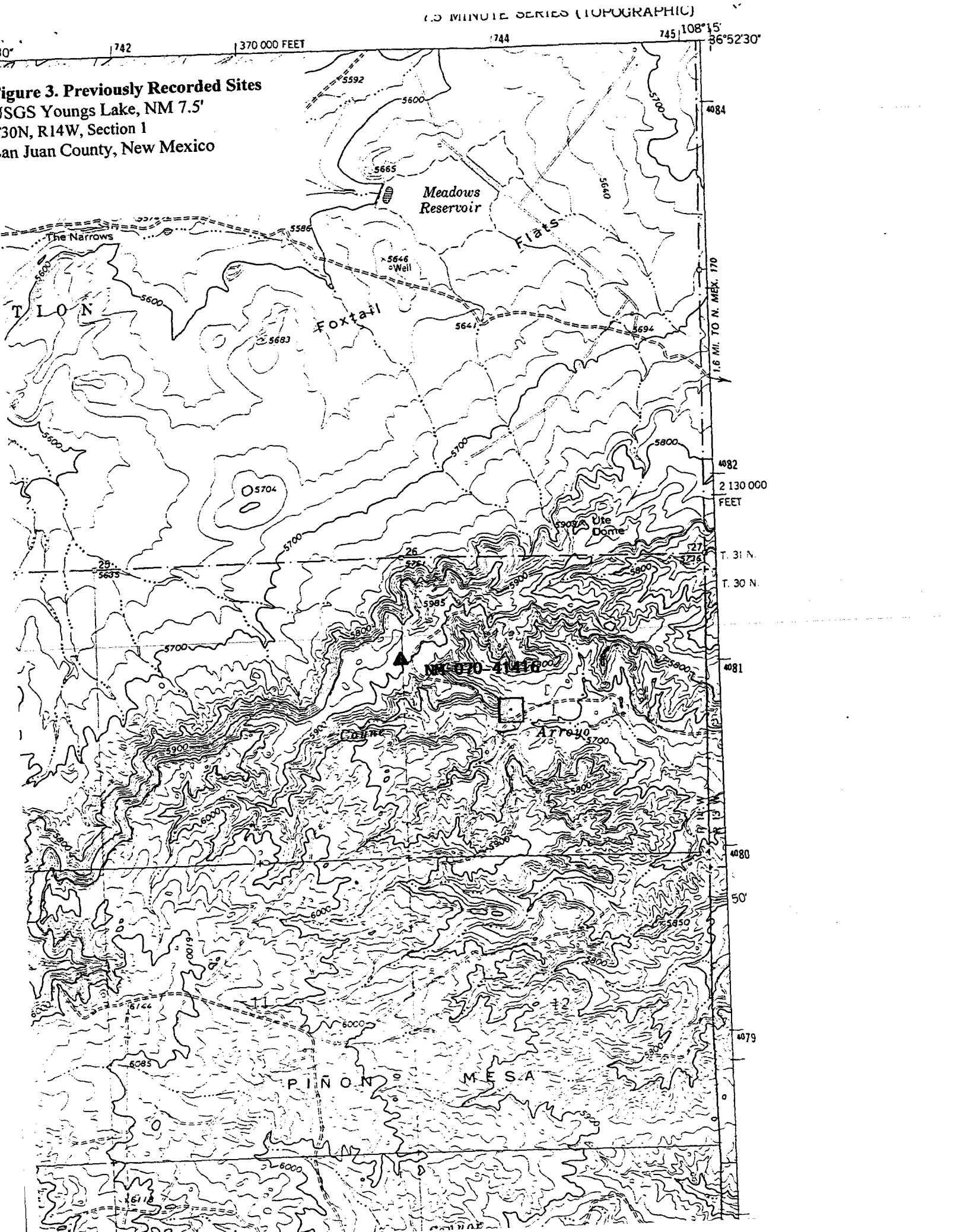


Figure 1. General Location
BLM Farmington, NM 1:100,000
Surface Management Status
T30N, R14W, Section 1
San Juan County, New Mexico

Figure 2. Project Area
USGS Youngs Lake, NM 7.5'
T30N, R14W, Section 1
San Juan County, New Mexico





Salty Dog # 4
well pad and section

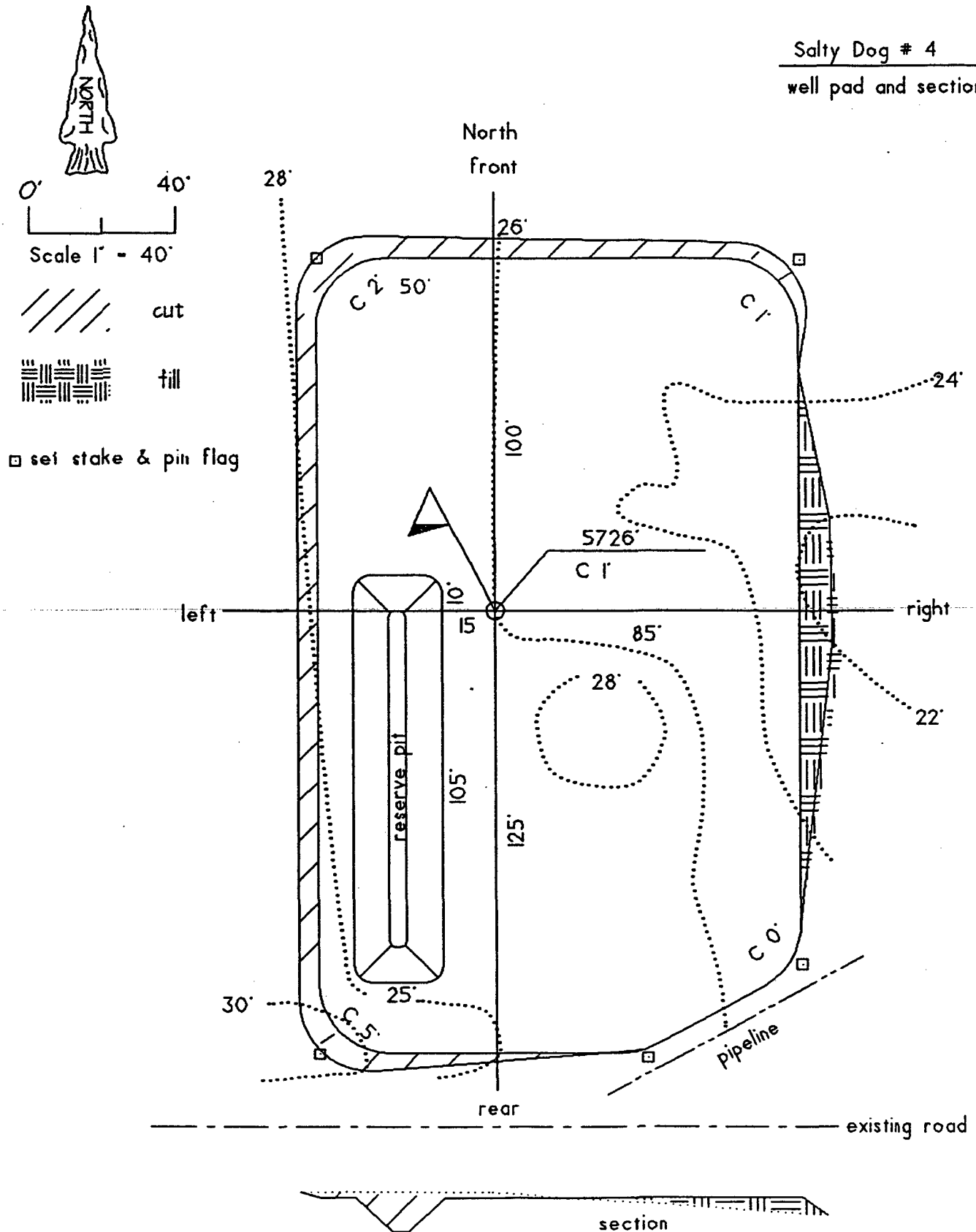


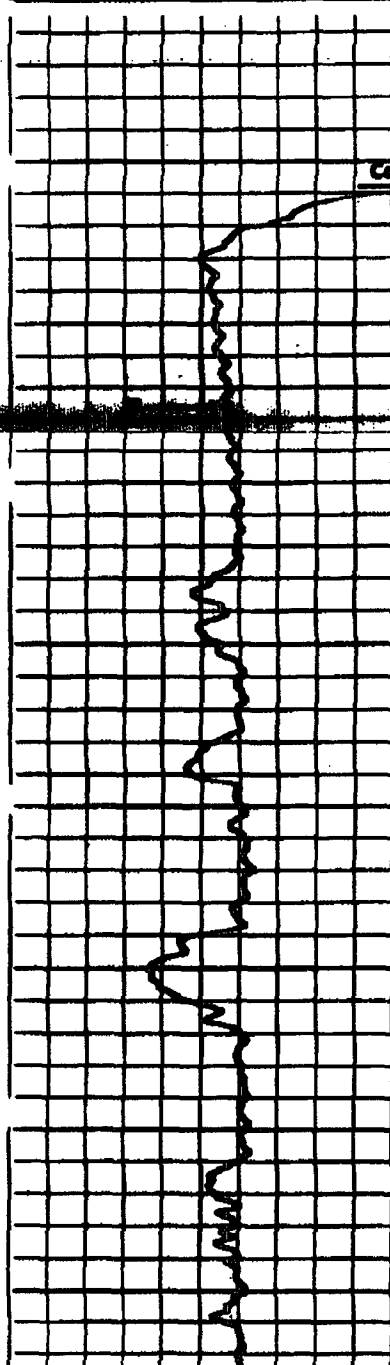
Figure 4. Well Pad Plat

33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533
 534
 535
 536
 537
 538
 539
 540
 541
 542
 543
 544
 545
 546
 547
 548
 549
 550
 551
 552

[illegible]

COPY!

$-\frac{10}{MV} +$ MILLIVOLTS



FT

0050

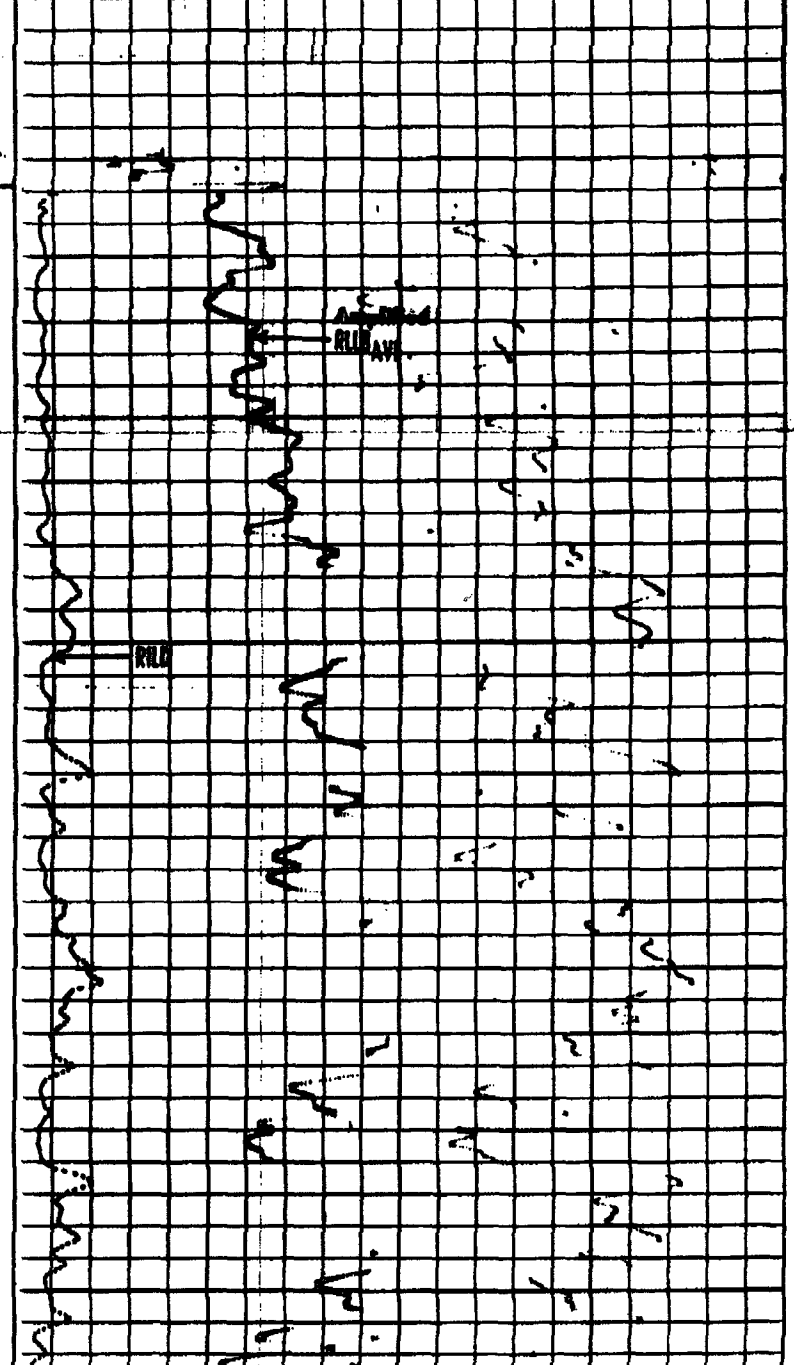
0050

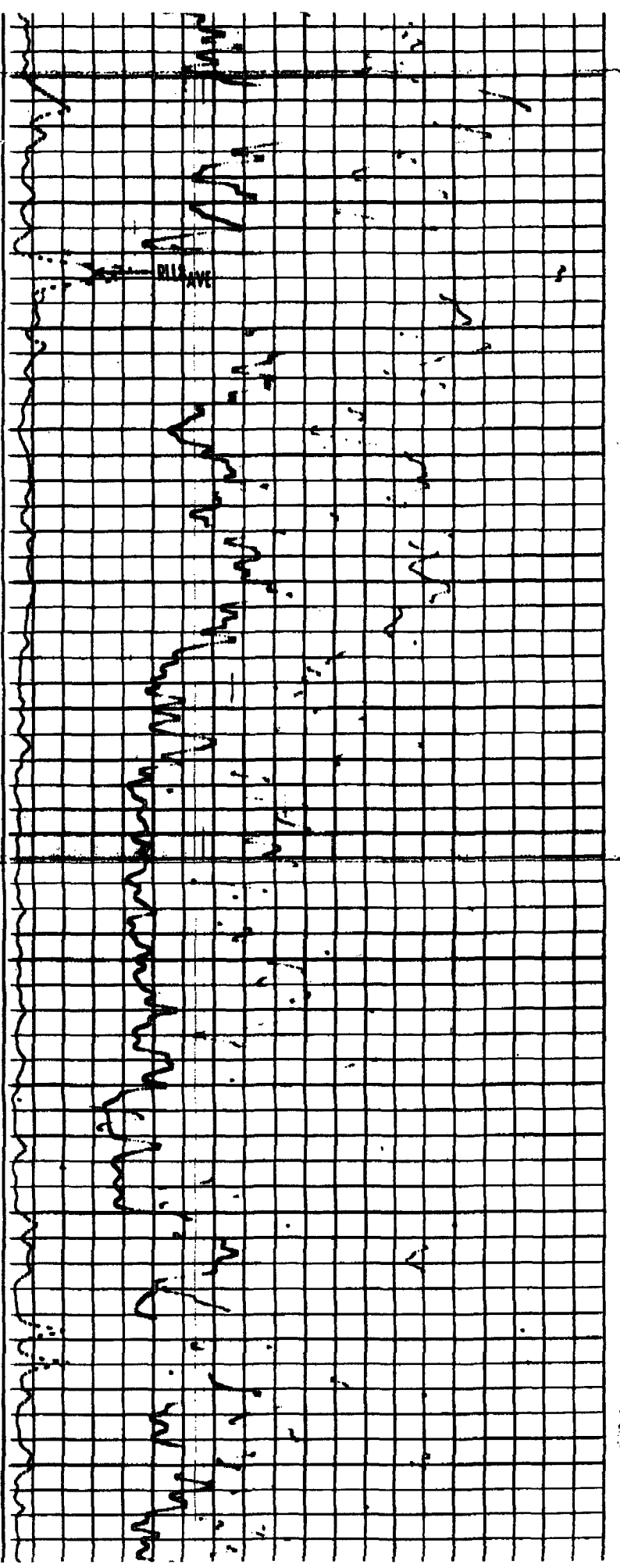
0050

0050

INDUCTION CONDUCTIVITY
 400 200 0
 OHMS. M²/M

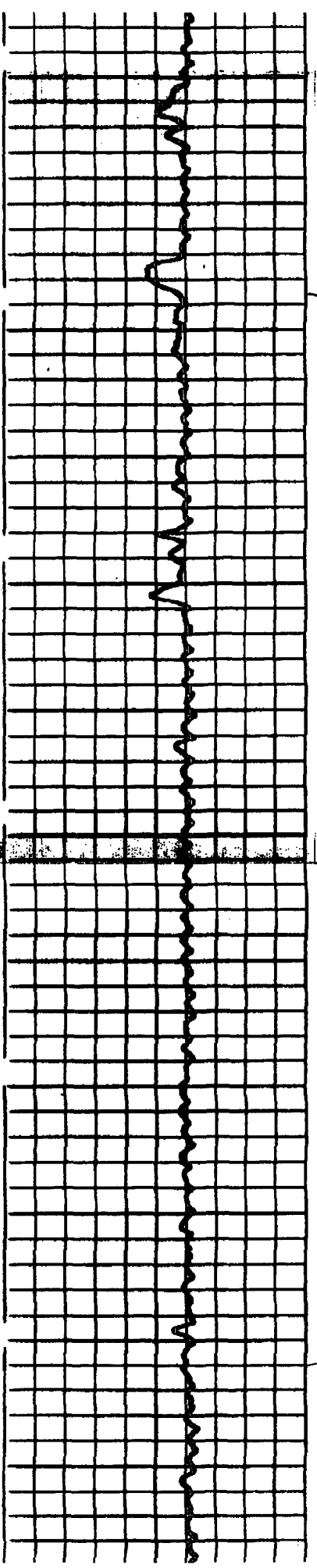
RESISTIVITY OHMS. M²/M
 AMP. AVERAGED LATEROLOG-B
 0 10
 AVERAGED LATEROLOG-B
 0 100
 0 1000
 DEEP INDUCTION
 0 100
 0 1000

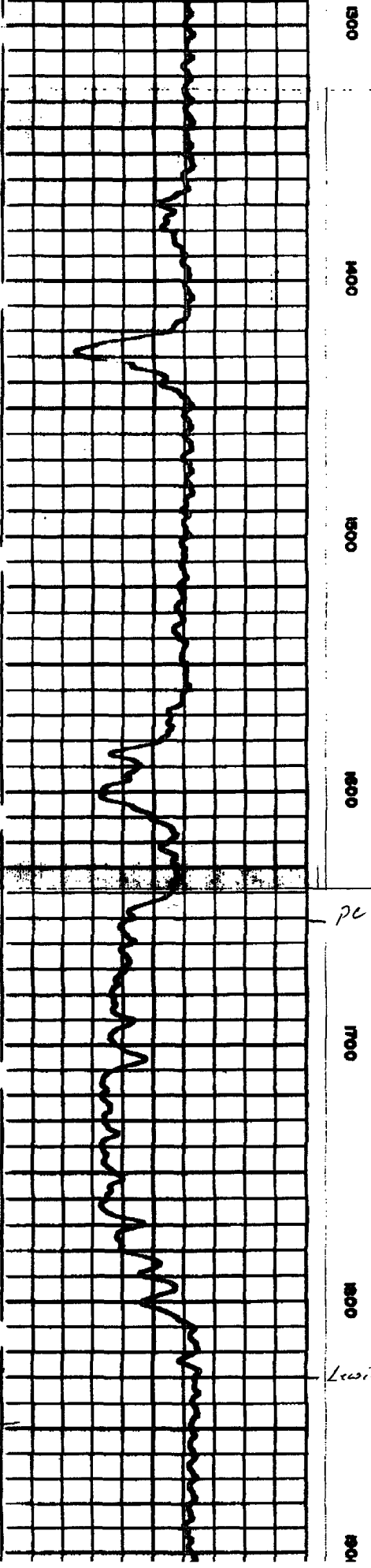
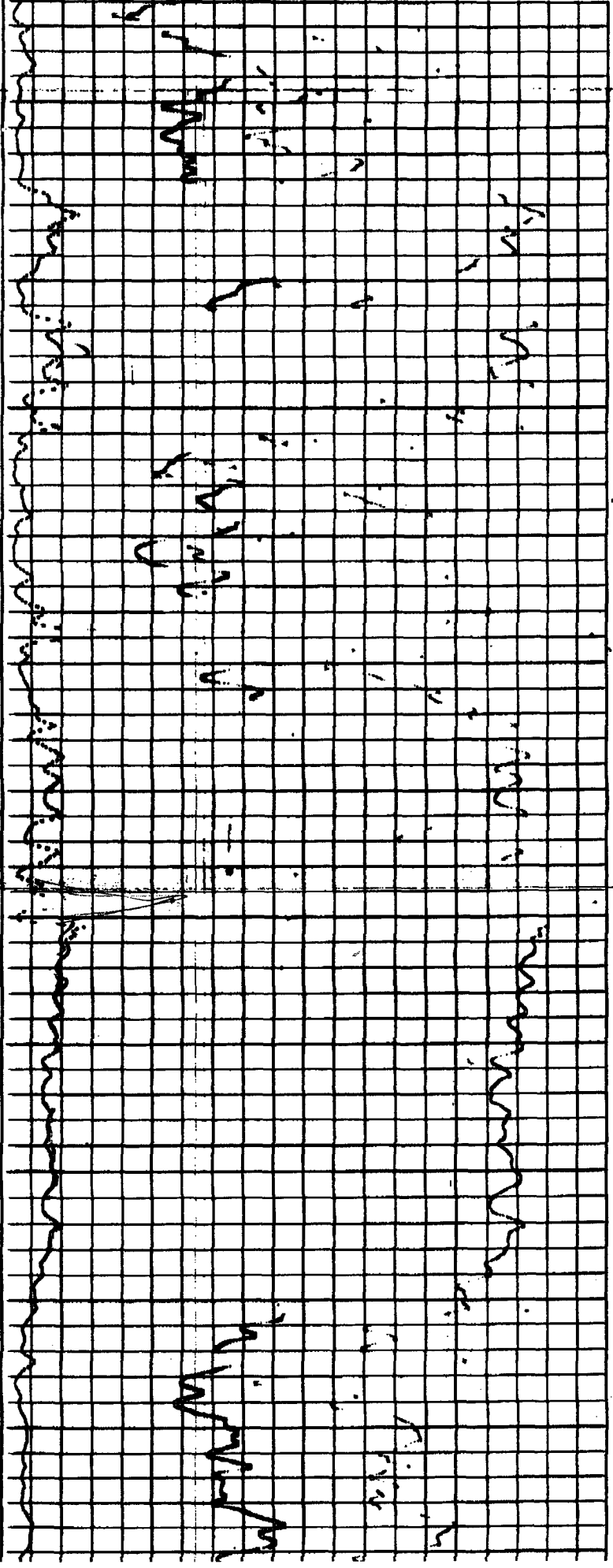


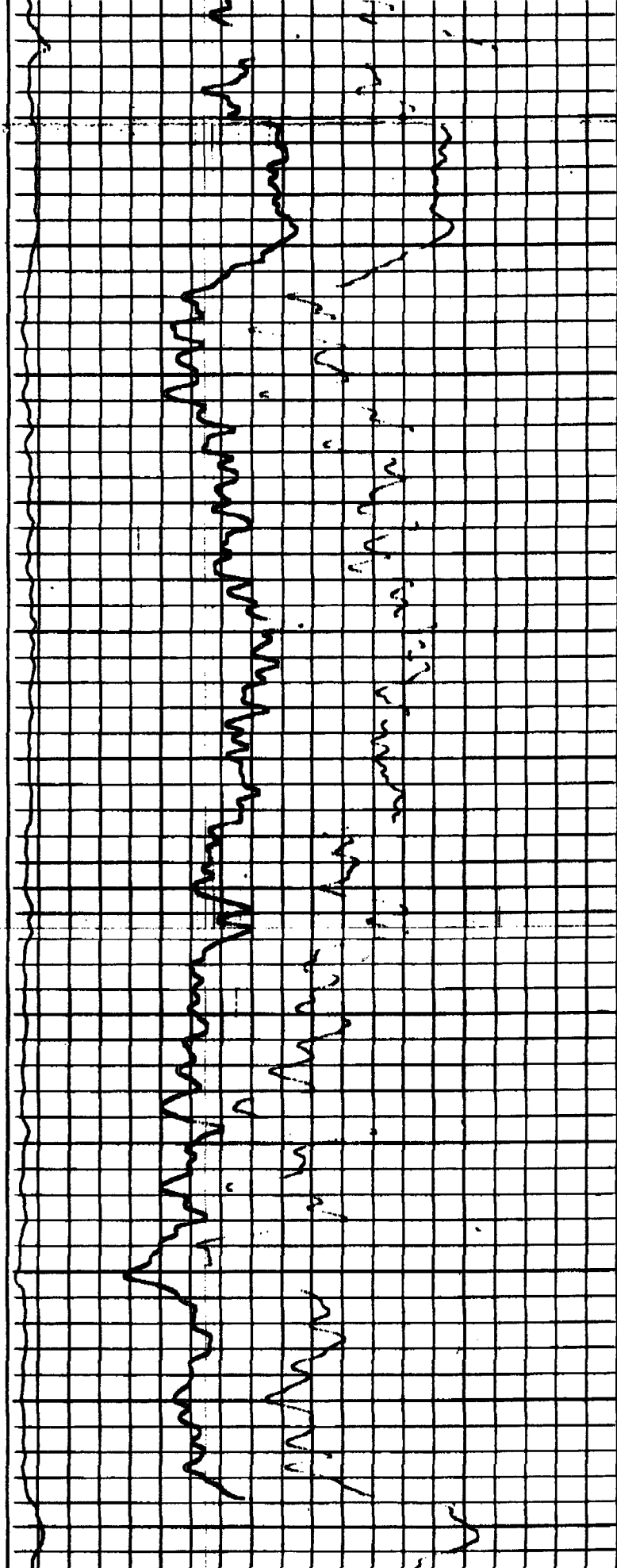


0700 0800 0900 1000 1100 1200

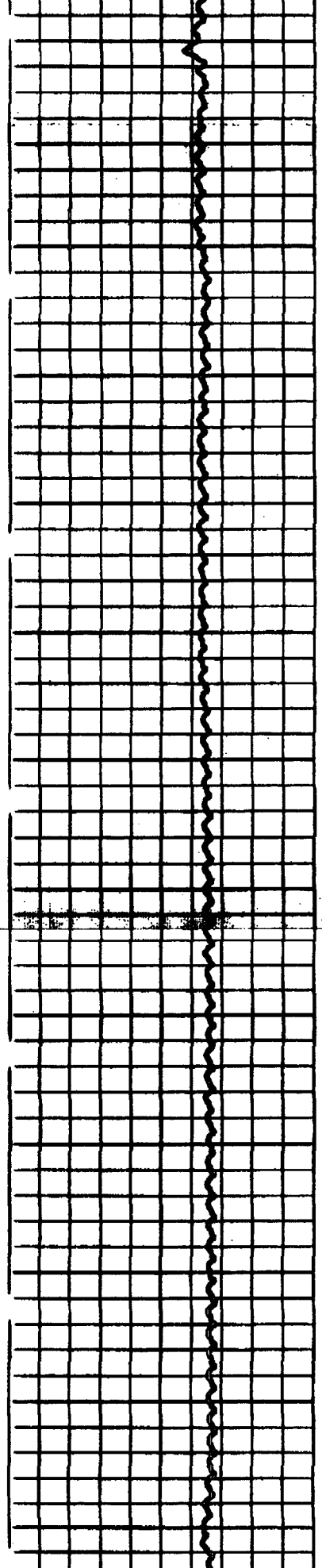
Fruit

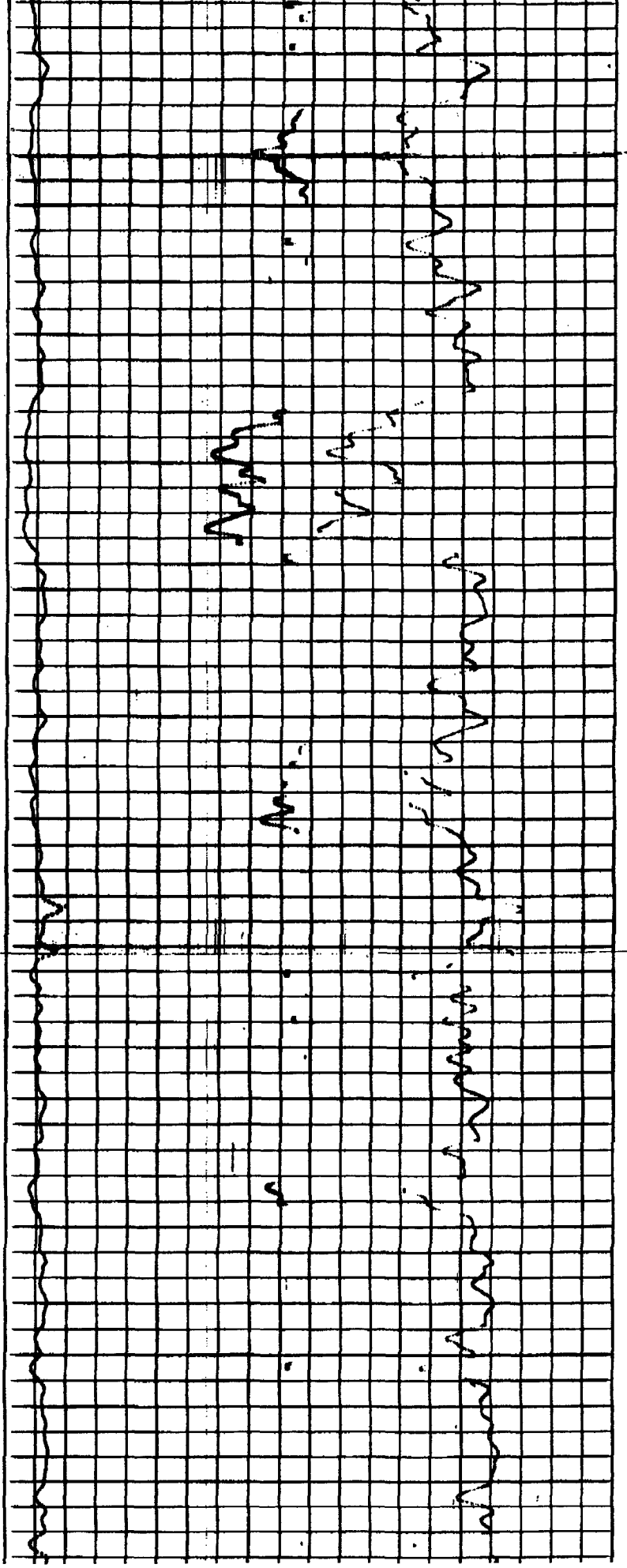
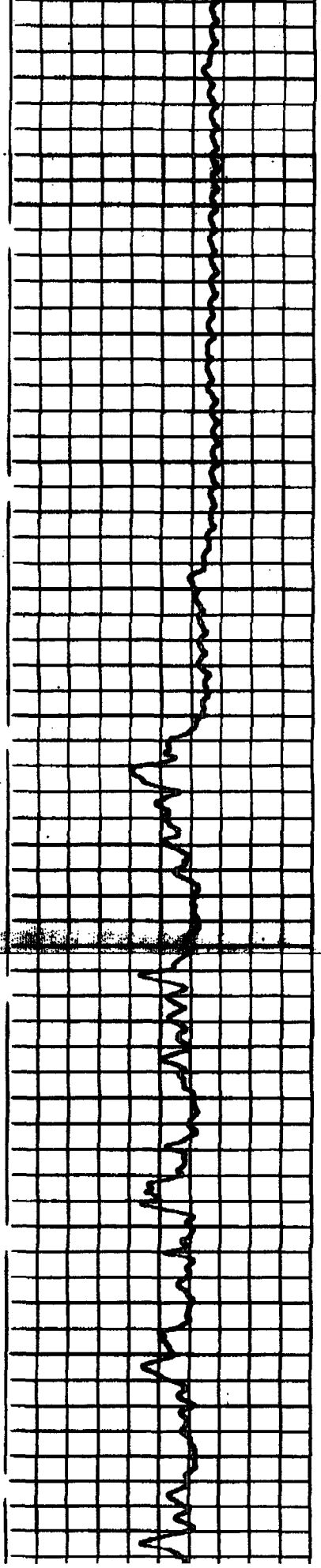


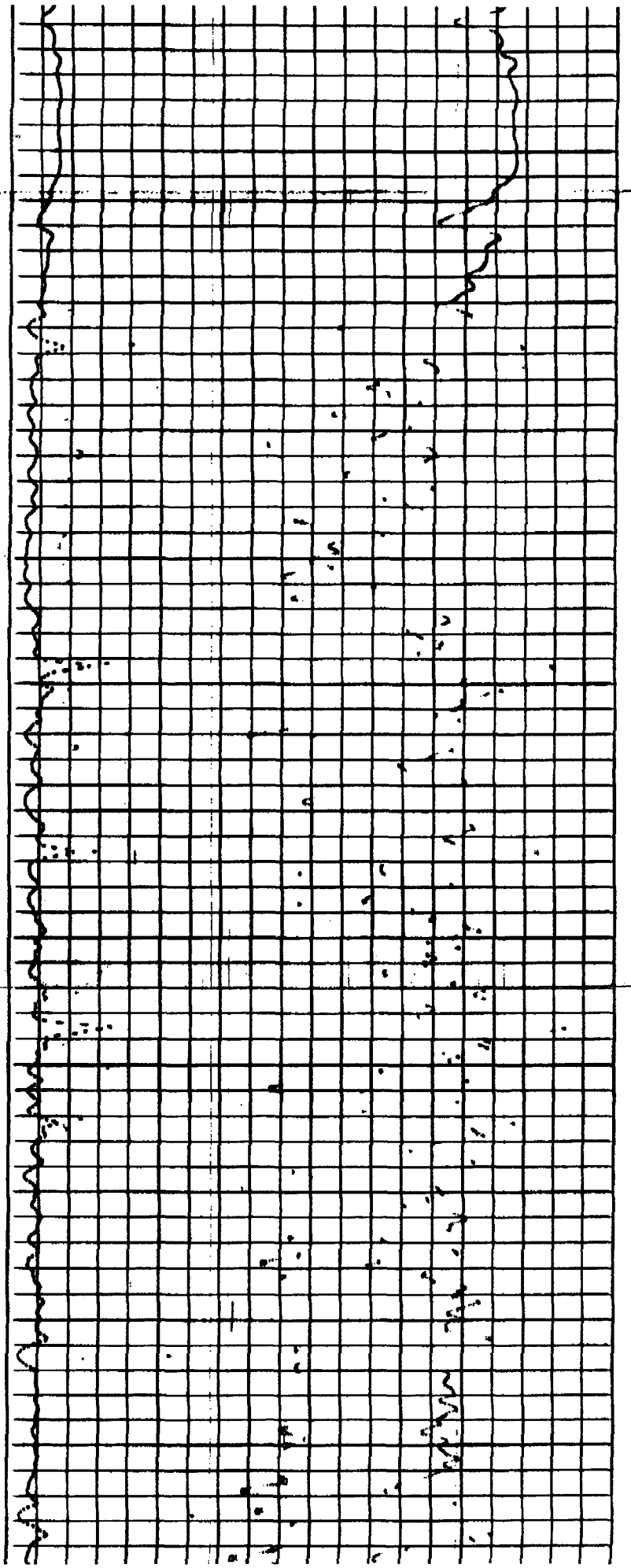
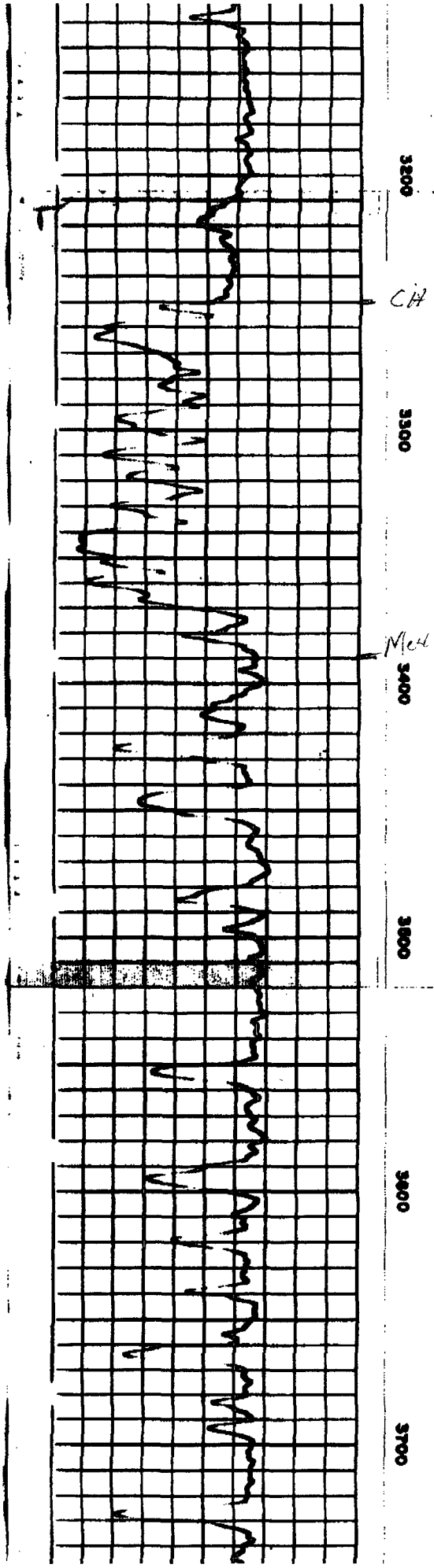


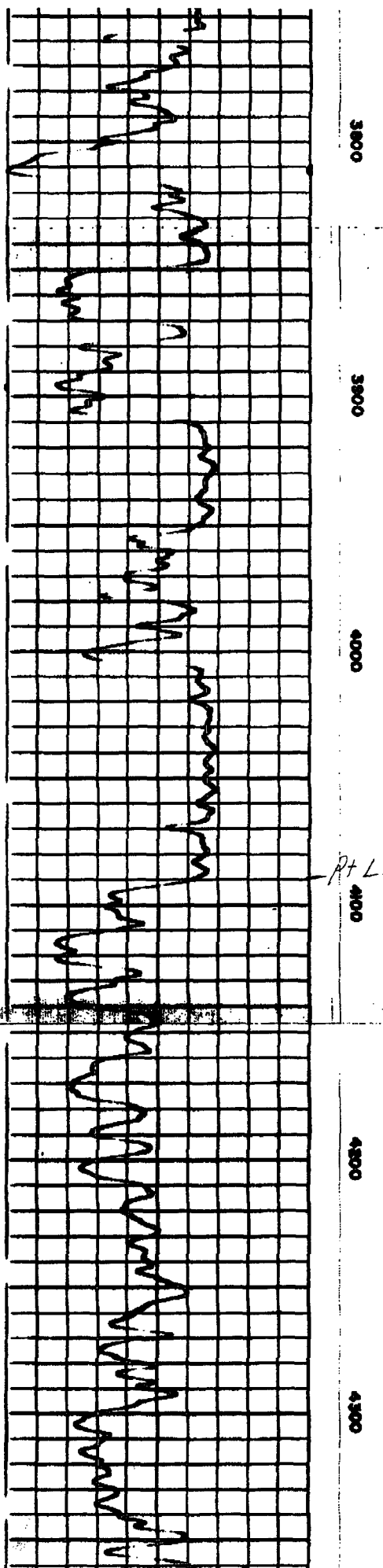
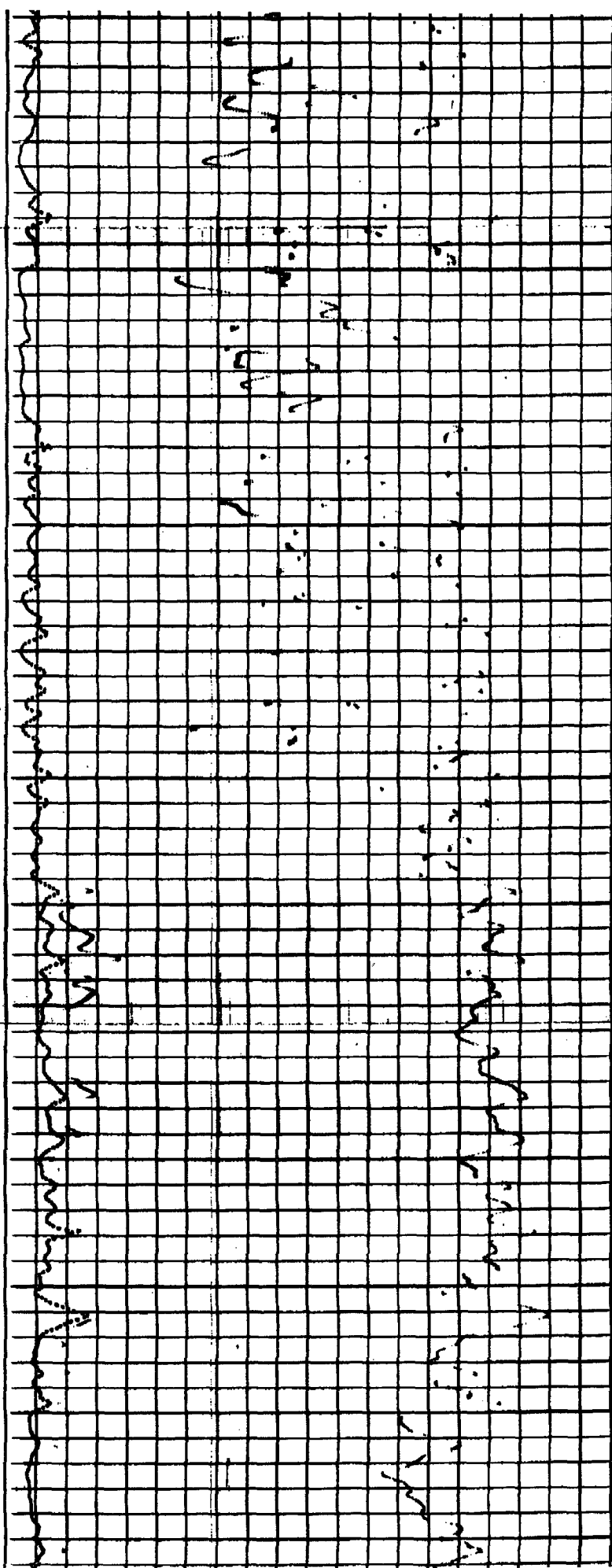


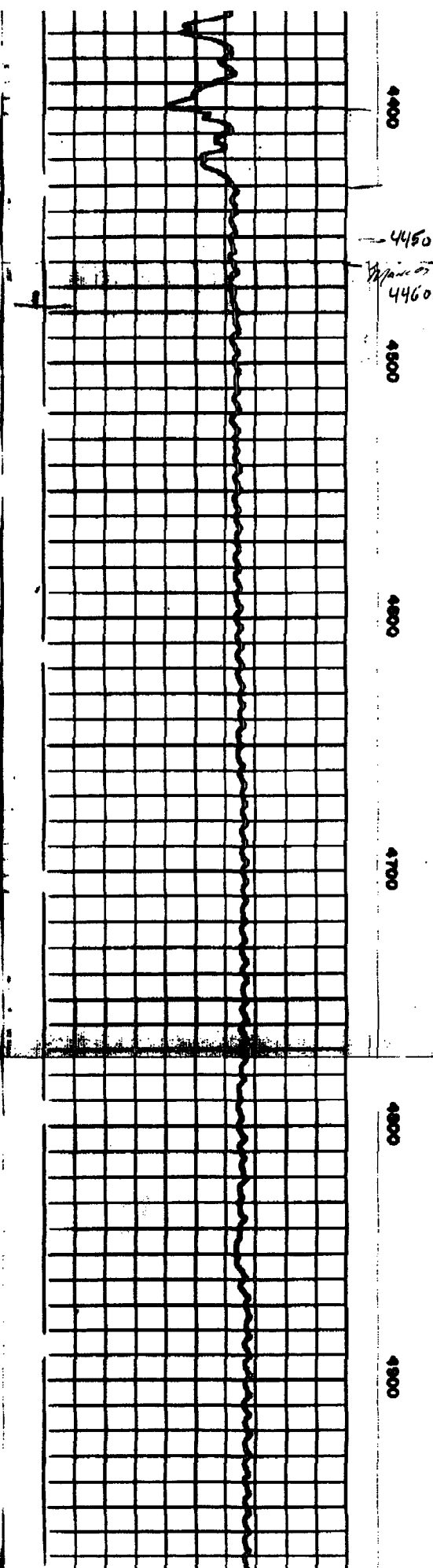
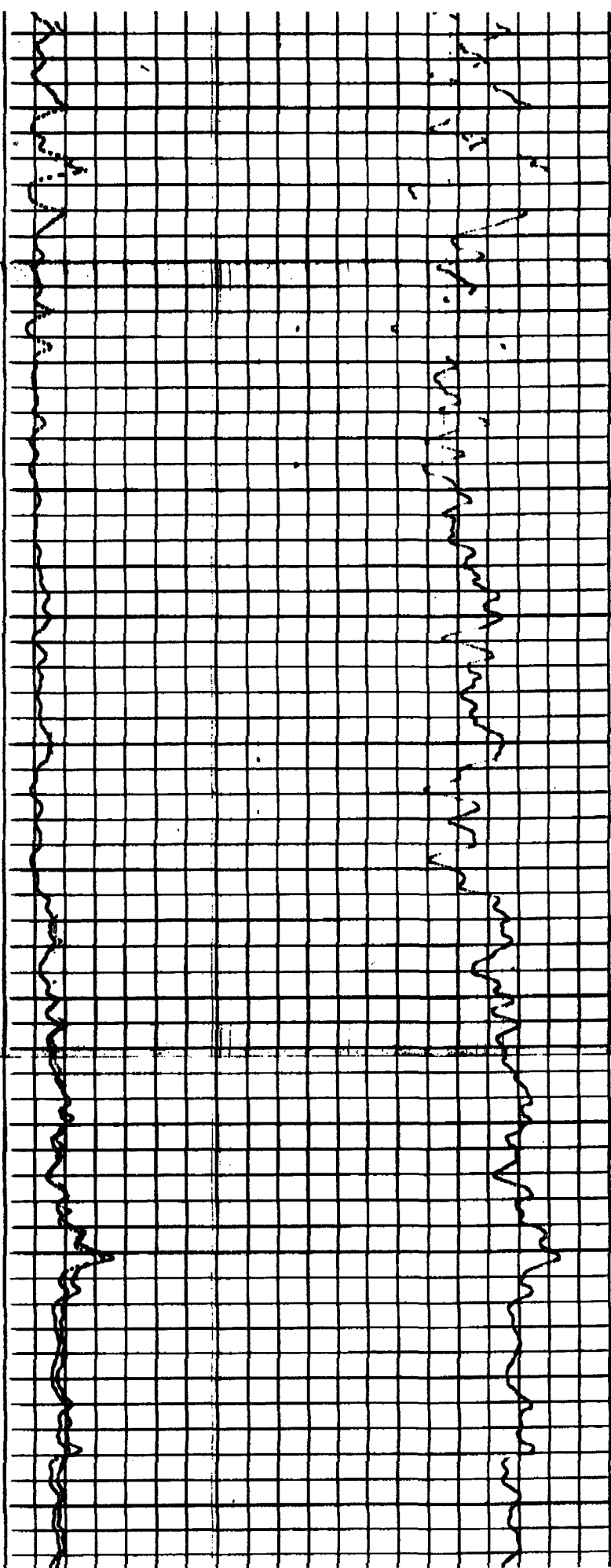
0 2000 2100 2200 2300 2400 2500

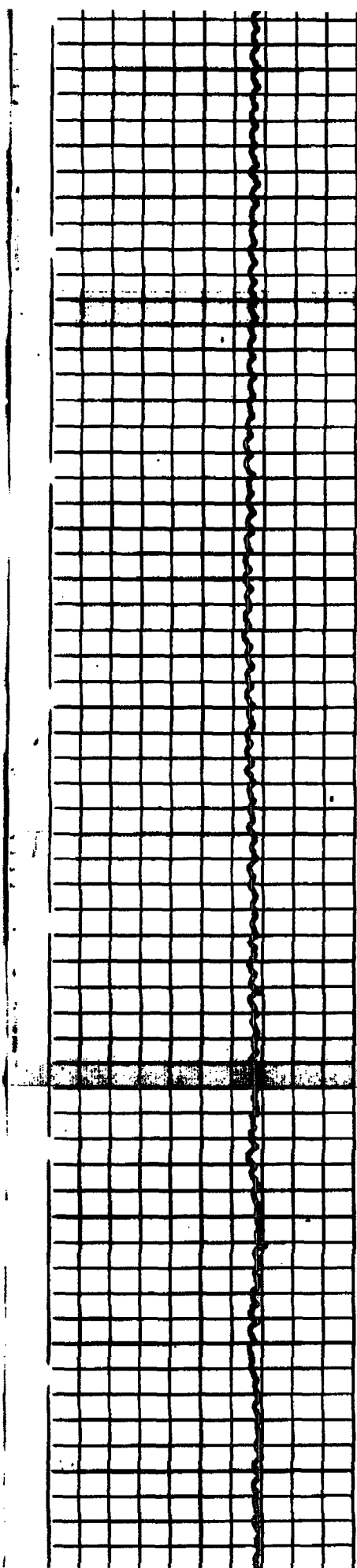






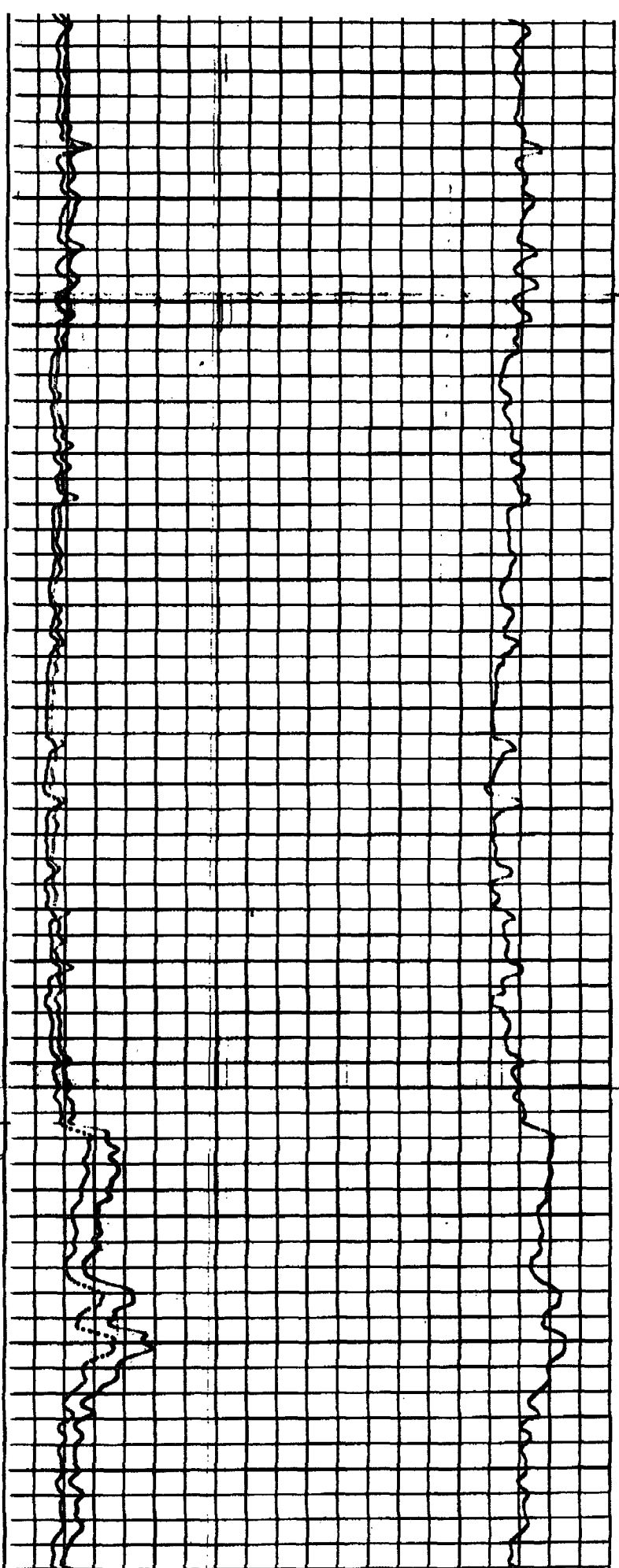


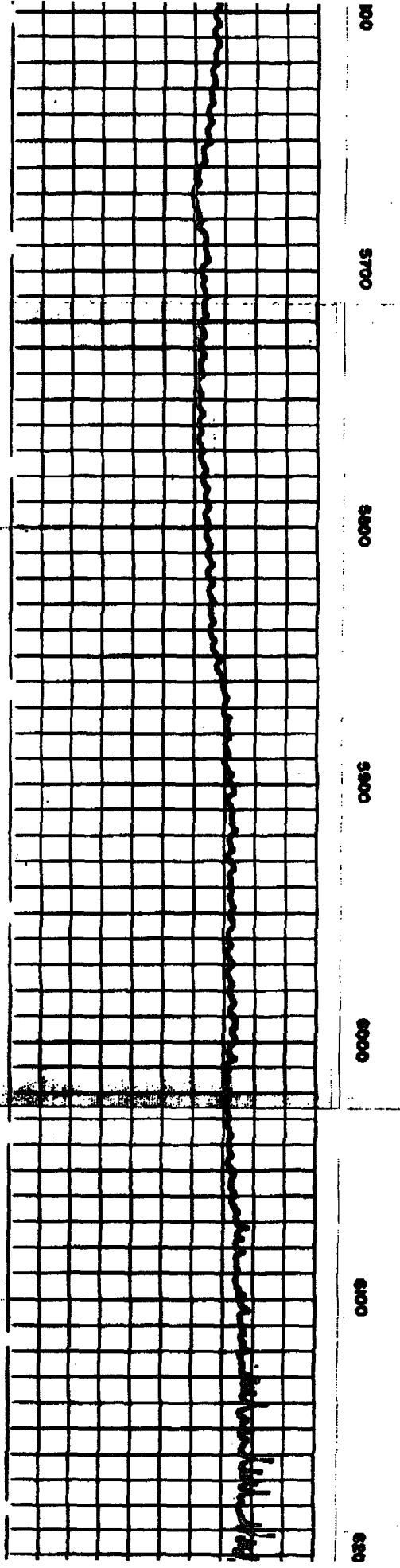
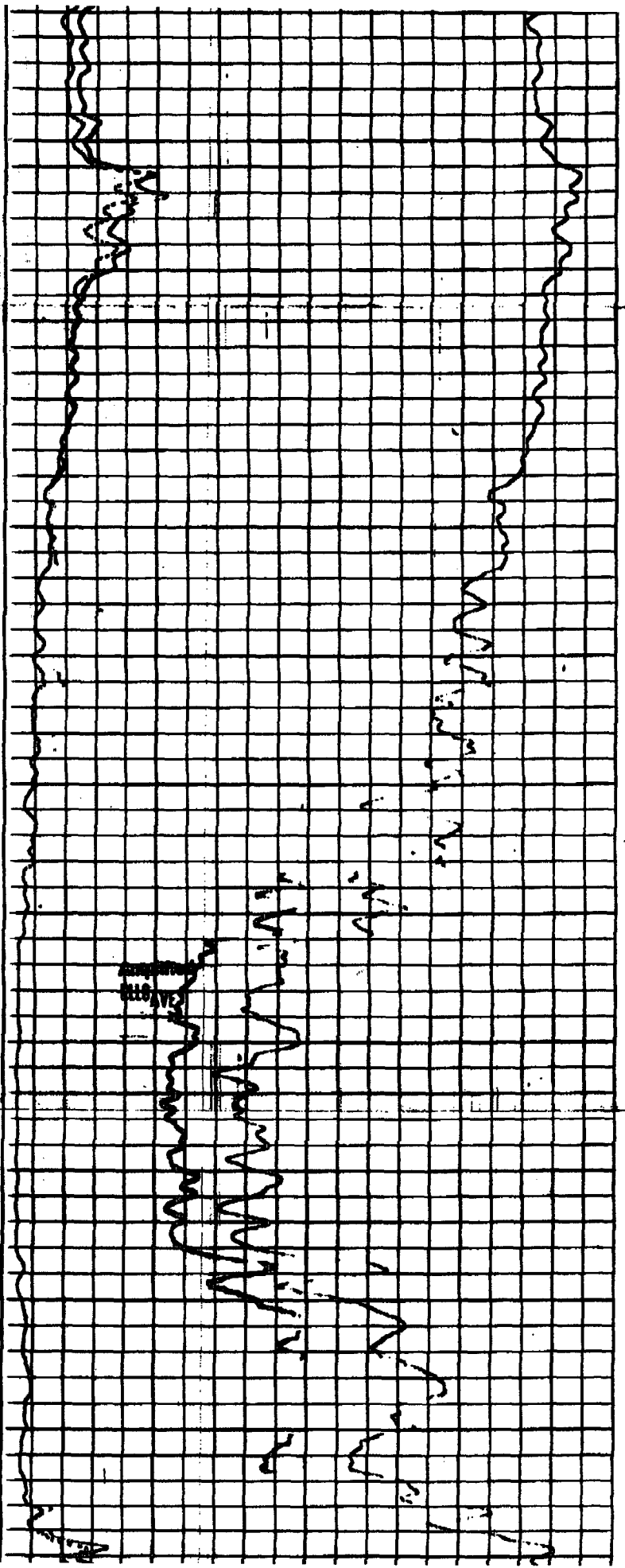


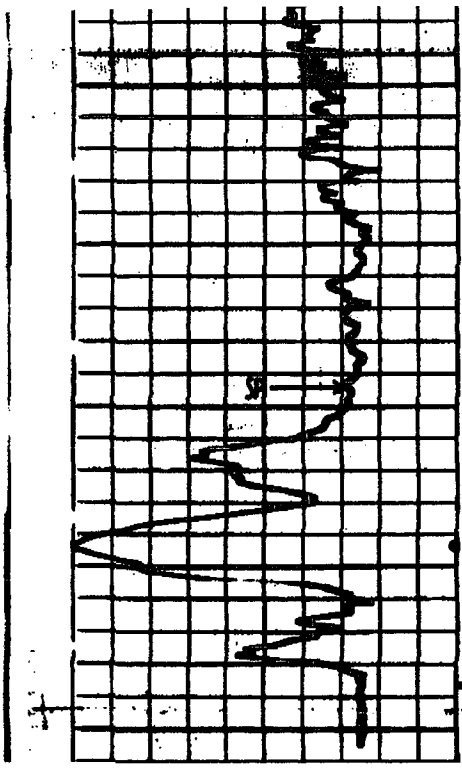


5000 5000 5000 5000 5000

Callout







0000

0000

FR

