

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

070 FARMINGTON, NM

5. Lease Designation and Serial No.

SF 079947

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Helen Jackson #1E

9. API Well No.

30-045-24940

10. Field and Pool, or Exploratory Area

WC Bloomfield Chacra/Basin-DK

11. County or Parish, State

San Juan

New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

D.M. Kilgore

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

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

1650FNL

1630FEL

Sec. 34 T 29N R 09W

Unit "G"

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

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☒ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☒ Altering Casing
	☒ Other WORKOVER
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a dual Chacra/Dakota well. The Chacra side is a low producer and is uneconomical. The intent is to P&A the Chacra and simplify the the well configuration to make it easier to produce the Dakota. See attached procedures for further description.

RECEIVED
MAR 07 1994
OIL CON. DIV.
DIST. 3

070 FARMINGTON, NM
MAR 14 11:12:59

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

Signed

Dawn M. Kilgore

Title

Business Analyst

Date

02-08-1994

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

FEB 28 1994

DISTRICT MANAGER

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

GENERAL INSTRUCTIONS

the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones,

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

(1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.

(2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)

(3) Analyze future applications to drill or modify operations in light of data obtained and methods used.

(4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

PROCEDURE FOR P&A CHACRA ZONE and SIMPLIFYING DAKOTA COMPLETION
HELEN JACKSON 1E - Run 33
BLANCO - CHACRA/DAKOTA
SRBU - SAN JUAN OC
February 7, 1994

Purpose:

This is a dual Chacra/Dakota well. It also has a leak in the bradenhead which must be fixed. The Chacra side produces only 9 MCFD - below the economic limit. However the Dakota side is a fairly good producer (50 MCFD). There is no potential for improving Chacra production.

This workover will P&A the Chacra pay, and simplify the well configuration to make it easier to produce the Dakota. It will also free up the equipment used to produce the Chacra side.

Please call Stan Kolodzie at ext. 4769 in Denver if you have any questions.

Current Production:

60 MCFD

Anticipated Production

100 MCFD

Estimated Cost:

\$ 42500 (Gross)

Estimated Payout:

NA - Environmental Expense

REQUIRED PERMITS AND APPROVALS BEFORE WORKOVER CAN BEGIN

(Check off as permits are received)

BLM

<> Surface Disturbance - No Permit Required

No surface disturbance is anticipated.

<> Wellbore Changes - PERMIT REQUIRED

P&A'ing the Chacra will require a permit.

<> Produced Gas - No Permit Required

Produced gas will be handled as before the workover.

DEQ

<> Surface Discharge - No Permit Required

No surface discharge is anticipated

NOTES:

Well Flac No. = 97972801 *CK* Elev. Reference: 5716 GL

97972802 *TV*

Amoco WI = 0.500

Total Royalty = 0.3375

Depths are based on the Gearhart Compensated Density Log dated 4/30/81.

A copy of the relevant intervals is attached.

P&A Chacra & Simplify Dk
Helen Jackson 1E - Run 33
February 7, 1994

Procedure:

Before moving in rig, check bradenhead pressure to be sure it still flows and must be repaired. Notify Stan Kolodzie if bradenhead is OK; if still flowing water, proceed with repair.

1. Move in rig. Rig Up. Nipple up blowout preventer.
2. Control or kill well. Use only the minimum volume of kill fluid - with 2% KCl water, to avoid damaging the Dakota interval.
3. Pull Chacra 1 1/4" tubing string. Pull Dakota 2 3/8" tubing. Retrieve packer.
4. Run work string and 7" bit and scraper to approx liner top (3350') to condition casing to set RBP. Run work string and 4 1/2" bit and scraper through liner to PBTD at 6656'.
5. Set 7" RBP at 3250'. Cover RBP with sand.
6. Run work string and packer to 3050. Spot cement to base of tubing and set packer. Squeeze cement into Chacra zone plugging the zone. Wait on cement 24 hrs.
7. Drill out cement with 7" bit and scraper to top of sand. Pressure test cement to 1000 psi. Circulate out sand and recover RBP.
8. Trip in with work string, 4 1/2" packer and RBP. Set RBP at approx 6400. Trip out of hole with packer isolating casing leak. If no casing leak is found, run CBL across 7" casing to determine top of cement.
9. Set RBP just below casing leak, (or just below top of cement). Cover RBP with sand. Perforate leaking interval with 4 JSPF.
10. Squeeze leaking interval with lightweight cement. If circulating to surface is possible, pump with bradenhead valve open in order to circulate. After circulating cement to surface, close bradenhead valve and pressure to a reasonable squeeze pressure. WOC 24 hours.
11. Drill out cement. Pressure test squeeze to 1000 psi. Circulate out sand and retrieve upper RBP. Circulate out sand above lower RBP and retrieve lower RBP.
12. Run 2 3/8" production tubing with seating nipple in next to last joint. Set tubing at approx. 6580'.

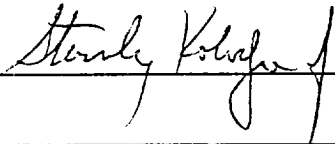
P&A Chacra & Simplify Dk
Helen Jackson 1E - Run 33
February 7, 1994

13. Remove BOP. Reinstall well head. Hook up well to production equipment.

11. Swab in well if necessary. Return to production.

AUTHORIZATIONS

ENGINEER



PRODUCTION FOREMAN

WORKOVER FOREMAN

P&A CHACRA & SIMPLIFY DAKOTA COMPLETION
HELEN JACKSON 1E - Run 33
February 7, 1994
MATERIALS LIST

Amoco

Service Unit with Rig Pump
Bit and Scraper for 7" , 23#, casing
Bit and Scraper for 4 1/2", 10.5# liner
Swab unit (if necessary)

Perforating

<u>Vendor</u>	<u>Alternate</u>
Enough shots to perforate squeeze interval with 4 JSPF	

Cement

<u>Vendor</u>	<u>Alternate</u>
Enough light weight cement to squeeze Chacra + Enough light weight cement to circulate from leaking interval to surface	

cc: B X Maez, K A Sauvageau } SJOC
S X Kolodzie, M P Curry, Well File } Denver

BAKER PACKERS DIV.

SSI-373-63

DATE 05-19-81 WELL NO. 1-E LEASE JACKSON FIELD San Juan Co. N.M.

Co. Repr. - Charles W. W. 11

2 3/8" EU 8-R Pin & 1 1/4" EU
10-R x 8" long Swage

1 1/4" EU 10-R Tubing

1.18 "F" Mipple run
w/ Alum. pumpout plug.

1 1/4" EU 10-R bot x 5' long
prod. Prod. Tube w/ welded
guide.

Chcra Pfts,
3078-87
3205-13'

PKR act @ 3280
Size 81-32 Locator Tbg.
Seat Assy w/ 3 Seat units
w/ 2 3/8" EU 8-R Thd. B. & P.

Top 4 1/2" line at 3350'
7" 23" CSg at 3499'
w/ 700SX

OK Pfts -
6442-46'
6507-12'
6530-92'
6599-03'
6603-6672'

4 1/2" 10.5# line at 6660'

JNT	31.41	1 JNT TUBING
9		
3		27' 2 3/8" EU 8rd Tubing Subs
4		
6		
6		7" x 23" Casing
6		
		2 3/8" EU 8-R Tubing
		97 JNTS
		2998.86'
10'		10' over = 3068'
20'		3078' = 9'
		3087' = 9'
		11' over = 3098'
		96' blank = 3 JNTS
10'		11' over = 3194'
20'		3205' = 8'
		3213' = 8'
		11' over = 3224'
3		
7		
8		35.00' 2 3/8" EU 8rd Tbg
		SUBS
		Total = 2-3062 x 20' B.T.2
		2-3062 x 10' B.T.2

8		29.55' 1 JNT TUBING
100		
4.00		Size 84-32 Model "D"
		Retainer Prod. Packer
		w/ plain bottom
		run w/ expandable plug
		2 3/8" EU 8-R Thd. Tubing
		w/ beveled collars

4 1/2"		N. 6610.5#
.85		
		Size 1.81 "F" Mipple run
		w/ "FW B" Cn. Blocking Plug

1		31.30 1 JNT TUBING
JNT		
5'		2 3/8" EU 8-R x 5' long prod.
		Tube w/ 1/2" Mul. Shee

PSTD =
6656

BAKER PACKERS
Leaders in Oil and Gas Well Completions
Marvin R. Kruschke, Sr.
Tool & Service Specialist - Tools

GEARHART

COMPENSATED
DENSITY LOG

FILING NO.

COMPANY TENNECO OIL COMPANYWELL JACKSON NO. 1 EFIELD PICTURED CLIFFS CLACRA BASIN DAKOTACOUNTY SAN JUAN STATE NEW MEXICOLocation: 1630 FNL N 1630 FELSec. 34 Twp. 29N Rge. 9WOther Services:
IEL GR

GROUND LEVEL

Elev.: 5716Elev.: 5728
D.F. 5727
G.L. 5716Permanent Datum: K.B. Log Measured From K.B. Drilling Measured From K.B.Elev.: 5728
D.F. 5727
G.L. 5716

Date	4-24-81			4-30-81				
Run No.	One			Two				
Depth-Driller	3500			6661				
Depth-Logger	3501			6658				
Bottom logged interval	3500			6657				
Top logged interval	1500			3502				
Type fluid in hole	Chem-Gel			Gas				
Density	9.1		58	-----		-----		
pH	9.0		6	-----		-----		
Source of Samples	Mud Pit			-----				
Rim @ Meas. Temp.	9.0		64	-----		-----		
Rimf @ Meas. Temp.	8.0		64	-----		-----		
Rimc @ Meas. Temp.	1.7		64	-----		-----		
Source Rimf	M		M	-----		-----		
Max rec. temp., deg F.	117			186		-----		
End Circulation	05:00			-----		-----		
Logger on Bottom	12:05			01:54		-----		
Recorded By	Walker			Head				
Witnessed By	Mr. Lane			Mr. Lane				
Run	Bore-Hole Record						Casing Record	
No.	Level	Bit	From	To	Size	Wgt.	From	To
One	1214	Surface	248	958	32.3	Surface	248	
One	834		3500		20		3502	
One	614		3500	6661				

FOLD HERE

EQUIPMENT DATA

Run No.	Logging Unit	Location	Gamma Ray Tool No.	Compensated Density			
				Tool No.	Source No.	Source Type	Source Stg.
One	7532	29-062	4115	2186	CSV 534	Cesium 137	2 Curie
Two	7571	" "	4303	2448	" 704	" "	" "

CALIBRATION DATA

Run No.	Gamma Ray		Compensated Density							
	Bkg. cps	Std. cps	Magnesium		Aluminum		Test Block		Caliper	
			LS	SS	LS	SS	LS	SS	L. Ring	S. Ring
One	40	105	920.7	440.4	204.3	303.6	204.2	303.6	8095	4094
Two	120	580	901.6	470.6	202.6	323.5	202.6	323.5	14"	7"

LOGGING DATA

Run No.	General		Speed FPM	Gamma Ray		Compensated Density			
	From	To		TC	API PER LOG DIV.	TC	Matrix Density	Fluid Density	Salinity PPM NaCL
One	3500	1500	30	Avg	20	Avg	2.65	1.00	7000
Two	6657	3502	"	"	"	"	"	1.0	-----

REMARKS: RUN 2 WAS LOGGED WITH CDL GR ONLY

NOTICE: All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by one of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

GEARHART INDUSTRIES, INC.

GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
GRAMS/CC0 200
200 400

BULK DENSITY

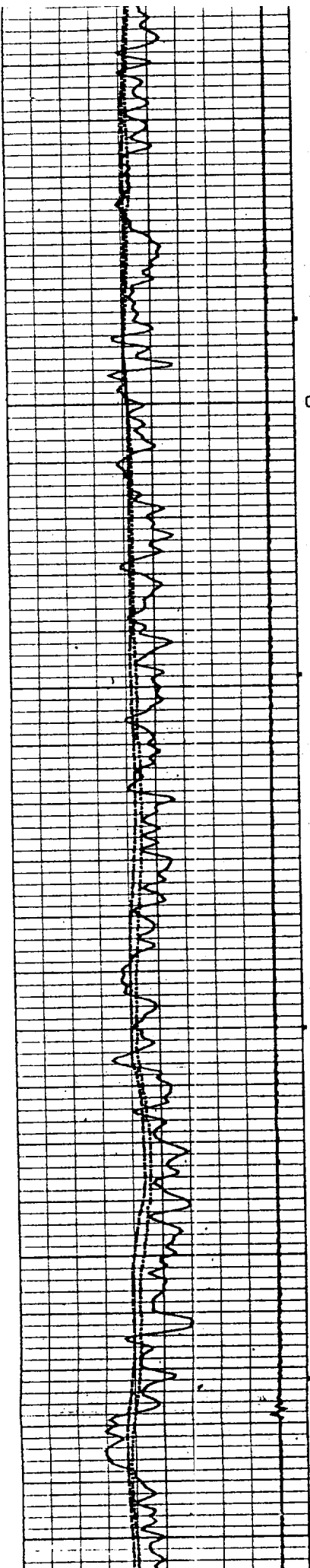
2.0 2.5 3.0

DENSITY POROSITY (%) Sandstone

30 20 10 0 10

CALIPER

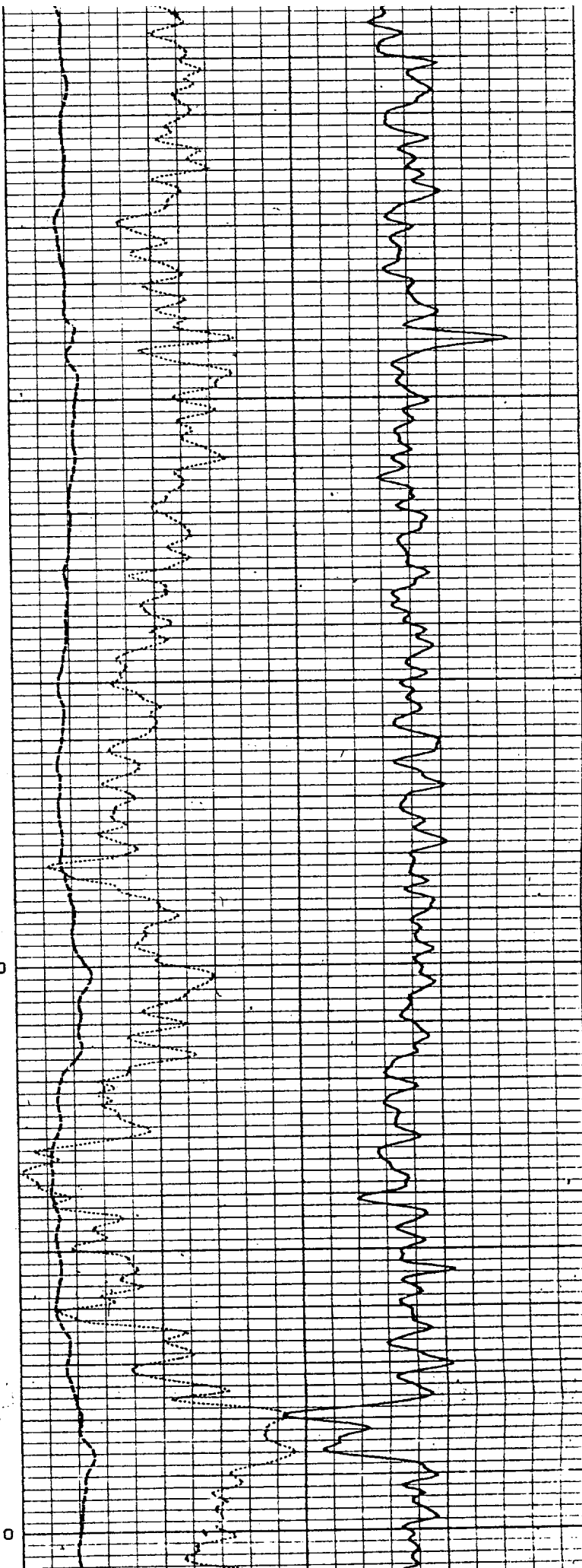
FORM 10-84

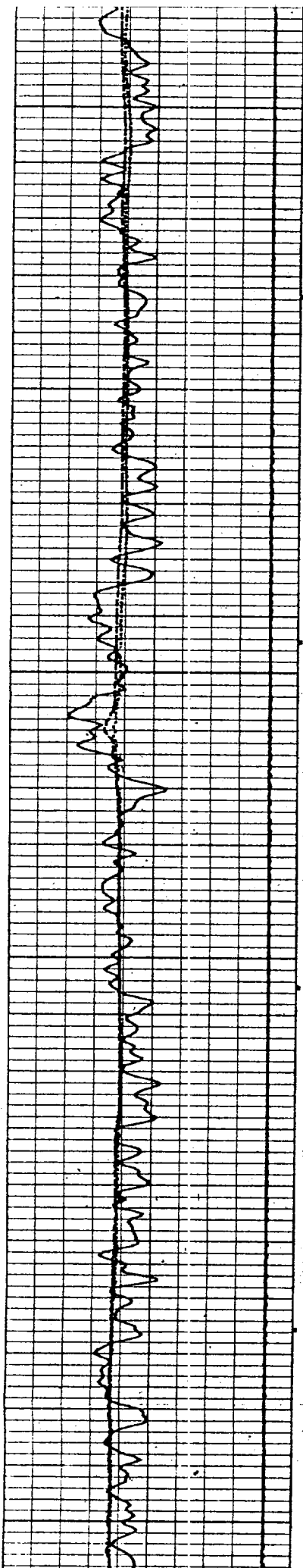


02900

03000

03100

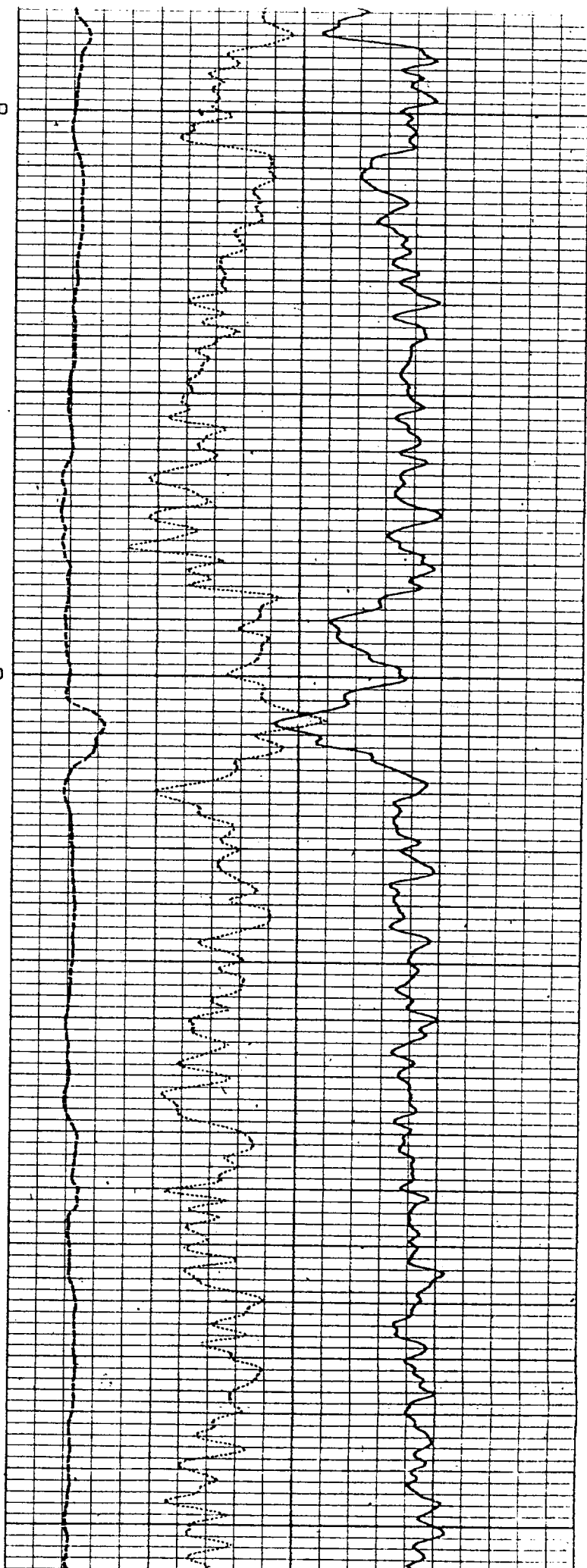


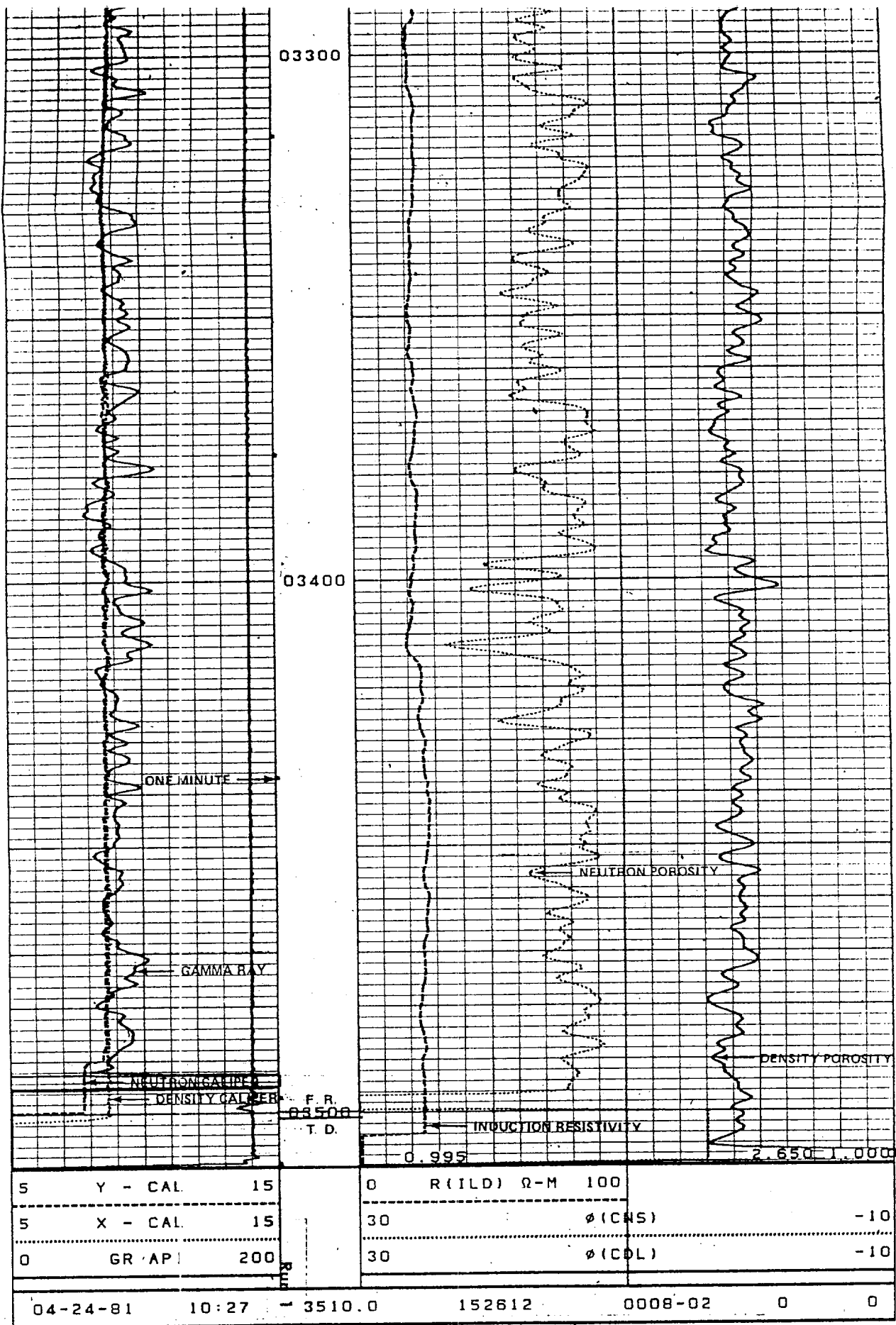


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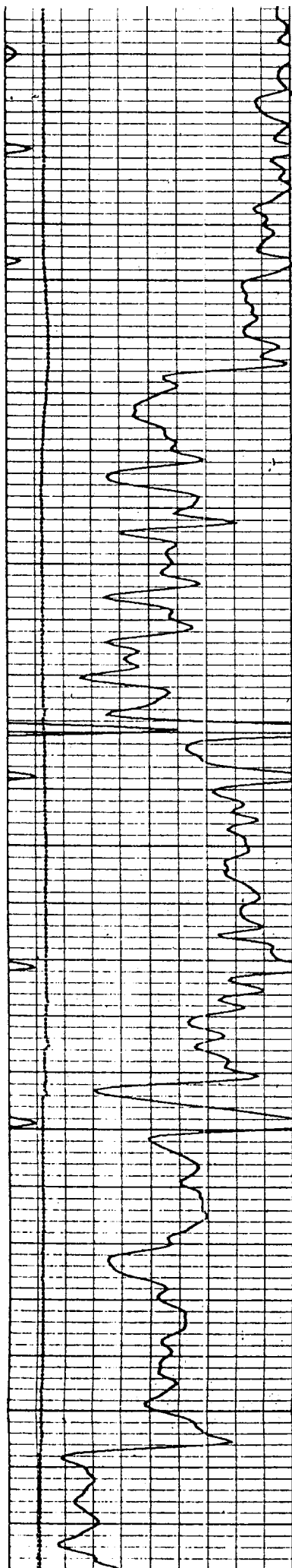
03200

03300





04-30-81	15:36	3477.0	152637	0008-02	0	0
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06300

06400

06500

