

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe, N.M.

Lease No. SF-170-64

Unit Carson

			X
	24		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 17, 19 64

Carson Unit

Well No. 1 is located 60 ft. from N line and 60 ft. from E line of sec. 24

NE 24 25N 12W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Distri San Juan N.M.
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing

The elevation of the 6436.9 ft. above sea level is 6436.9 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: TD 5983; PBTD 5100; Casing 8-5/8 at 228, 5-1/2 at 5967. Perf 4875-95.
In preparation for refracture treatment while pressure testing, casing ruptured at 3411. Mixed and squeezed 200 sx. Class A cement with 2% CaCl₂ at 2000 psi. Cleaned out and pressure tested to 2000 psi, OK. Placed well on production. Pumping 12 barrels water.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address P. O. Box 1200

Farmington, N.M.

Original signed by

J. E. DOZIER JR.

By Joe E. Dozier, Jr.

Title Div. Production Mgr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget/Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

E. W. Mudge #3 SF-078064

6. IF INDIAN, ALIEN, OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

660' FNL & 660' FEL Section 24

7. UNIT AGREEMENT NAME

Carson Unit

8. FARM OR LEASE NAME

9. WELL NO.

Carson #1 (1-24)

10. FIELD AND POOL, OR WILDCAT

Bisti

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 24-T25N-R12W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6436.9 KB

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

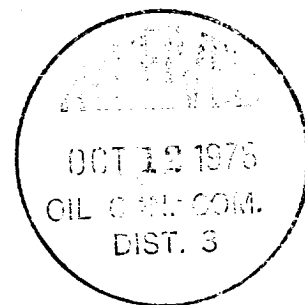
ALTERING CASING ☐

ABANDONMENT* ☐

(Other) Abandon Gallup Zone & Recomp in Mancos Shale (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

See attached prognosis & log data



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

SIGNED

J. W. Linnell

TITLE Div. Ops. Engr.

DATE 10/5/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

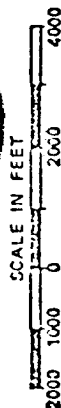
CONDITIONS OF APPROVAL, IF ANY:

cc: O&GCC, Aztec, NM

Okaf

*See Instructions on Reverse Side

(SHUT IN)
 PRODUCING WELL
 PRODUCING WELL
 (SHUT IN)
 GAS WELL
 LUGGED & ABANDONED
 FORMERLY ACTIVE



RECOMPLETION PROGNOSIS
CARSON UNIT #1 (1-24)
660' FNL & 660' FEL
SECTION 24, T25N, R12W NMPM
BISTI FIELD
SAN JUAN CO., NEW MEXICO

8-5/8"
228'
32#

Existing
Perfs

Proposed
Perfs

PERTINANT DATA

ELEV: 6437' KB
KB-GL: 10'
TD: 5983'
PBD: 5100' (BP)

Completion date: September 27, 1956

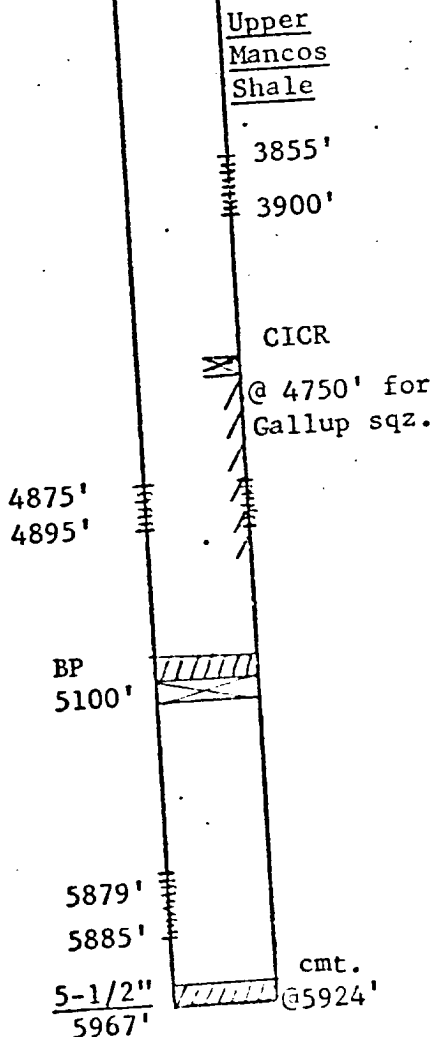
Note: All depths refer to Schlumberger's Electrical log dated August 11, 1956 (5" = 100').

CURRENT STATUS: Shut in.

PROPOSED WORK: P&A the Gallup prod. interval. Perforate the Upper Mancos Shale and test for commercial production. If Mancos Shale unproductive the interval will be squeezed with cement and a worksheet & AFE will be prepared for this well to be recompleted into the Pictured Cliffs gas zone.

PROCEDURE:

1. Haul in 4950' $\pm$ of tubing (records indicate no equipment in well).
2. Move in WOR.
3. Install and test BOP and safety equipment.
4. Run casing scraper on tubing to $\pm$ 4900'.
5. Run CICR on tubing. Set CICR at 4750'. Pressure test tubing to 2500 psi. Test casing to 1400 psi.
6. Pump 150 sx. Class A cement with 4% gel below retainer to squeeze Gallup perfs. Pump cement at minimum pumping pressure and rate required preferably 1-1-1/2 BPM not to exceed 1200 psi with tubing full of cement or 1500 psi while displacing cement.
7. Unsting from retainer, reverse circulate tubing clean with water. Circulate hole clean with water containing 2% KCl and 12#/1000 gal. CaCl. Pull tubing.



7A. If casing leak is detected in Step 5 run packer and locate leak. Run Operations Engineering if casing leaks. Run casing leak with

8. Run GR-Neutron-PDC log from 4100' to 230' (scale 5" = 100').
9. Run BP on wireline and set at 3980'.
10. Run 3-3/8" hollow carrier Hyper-Jet II gun and perforate 4 jets/ft. at 3970'.
11. Run CICK on tubing and set at 3950'. Establish pump in rate with KCl and CaCl water follow with 500 gals. 7-1/2% HCl follow with KCl and CaCl water (inhibit acid as required).
12. Follow water with 100 sx. Class A cement containing 12% D53* and 2% CaCl. Pump cement at a continuous rate of 2-3 BPM. Displace cement to tubing tail and unsting from retainer. Reverse circulate tubing clean. Circulate hole clean and pull tubing. WOC 12 hrs. *Dowell Code name.
13. Run a CBL from $\pm$ 3950' to 800'. Contact Houston Operations Engineering if bonding across proposed recompletion interval (3855-3900') and zonal isolation appears doubtful.
14. Bail fluid to 3500' $\pm$. Run a 3-3/8" hollow carrier Hyper-Jet II gun and perforate 4 jets/ft. in the Upper Mancos Shale interval 3855'-3900' (45'). Check and report any change in fluid level during perforating operations.
15. Run ret. packer on tubing and set at 3845'. Swab well to clean up well bore.
16. Run pressure bomb and obtain 24 hour SI bottom hole pressure. Notify Houston Operations Engineering of results.
17. Swab test well to obtain as near a stabilized and accurate production rate as possible. Notify Houston Operations Engineering of rate obtained. Catch sample of fluids for analysis.
18. If production rate is 10 BDO or less, acidize perms with 1000 gals 15% HCl, pump acid at low rate not to exceed 1200 psi surface pressure (add inhibitor and sequestering agents to acid as required). Repeat swabbing production test as per step 17.
19. Inform Houston Operations Engineering the rate obtained after stimulation. If the production rate is less than 20 BDO the Upper Mancos Shale interval will be cemented by running open ended tubing to bottom of perms and spot 30 sx. Class A cement plug across and above perms. Pull tubing to 3300' and bradenhead squeeze with 1000 psi. Leave a minimum of 100' of cement above perms.
20. If the Upper Mancos Shale is not economically productive a worksheet and AFE will be prepared to recomplete this well into the Pictured Cliffs gas zone.

Note: Consult with Houston Operations Engineering if any changes are required in the procedures of this recompletion. Contact C. O. Collins at the Houston Office (Ph. 713-220-1309) or at home (Ph. 713-494-7084).

The approval of the District Engineer, State of New Mexico is required prior to plugging back, recompleting, etc. Approval from the State is also required to test, to pit and flare any prod. gas.

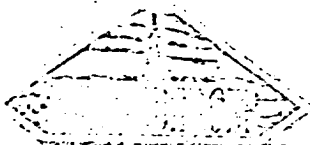
COC:maf

RECOMMENDED: R. Planty iac D.L. Bell APPROVED: _____

250-052 A400-052

GER WELL SURVEYING CORPORATION

DRESTER, TEXAS



W. H. Ger

COUNTY SAN JUAN, N.M.
 FIELD or LOCATION WILCOAT
 WELL CARSON #1
 COMPANY SHELL OIL COMPANY

COMPANY SHELL OIL COMPANY

WELL CARSON #1 (1-24)

FIELD WILCOAT Carson

LOCATION SEC. 24-25N-12W

COUNTY SAN JUAN

STATE NEW MEXICO

Location of Well
660' FR N/L
660' FR E/L
SEC. 24-25N-12W

ES
 (ML)

Elevation: D.F. 6436'
 K.B. 54369
 or G.L. 64270

FILING No. 520-004A

RUN No.	TWO				
Date	8-11-53				
First Reading	5900				
Last Reading	5015				
Feet Measured	885				
Csg. Schlum.	227				
Csg. Driller	228				
Depth Reached	5981				
Bottom Driller	5980				
Depth Datum	MB				
Mud Nat.	OPEN				
Density	8.5				
Viscosity	3.1				
Resist.	2.20 @ 88°F	@ °F	@ °F	@ °F	@ °F
Res. BHT	1.30 @ 135°F	@ °F	@ °F	@ °F	@ °F
pH	10 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	1.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 50 min.	CC 30 min.
Max. Temp. °F	135				
Bit Size	7 7/8"				
Speds.—AM	10"				
AO	34"				
AO	13 1/2"				
Op. Rig Time	2 HRS				
Truck No.	2783 F&W				
Recorded By	W. H. Ger				
Witnessed By	W. H. Ger				

ILLECIBLE

FOLD HERE

REMARKS — MUD FROM SHELL

RUN ONE WAS RE-RUN ON RUN TWO

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

2"=100'

— $\frac{10}{\text{mv}}$ +

L.R. 5015

RESISTIVITY
-ohms. m^2/m

NORMAL

50 0

50

RESISTIVITY
-ohms. m^2/m

LONG NORMAL

50 0

500

LATERAL

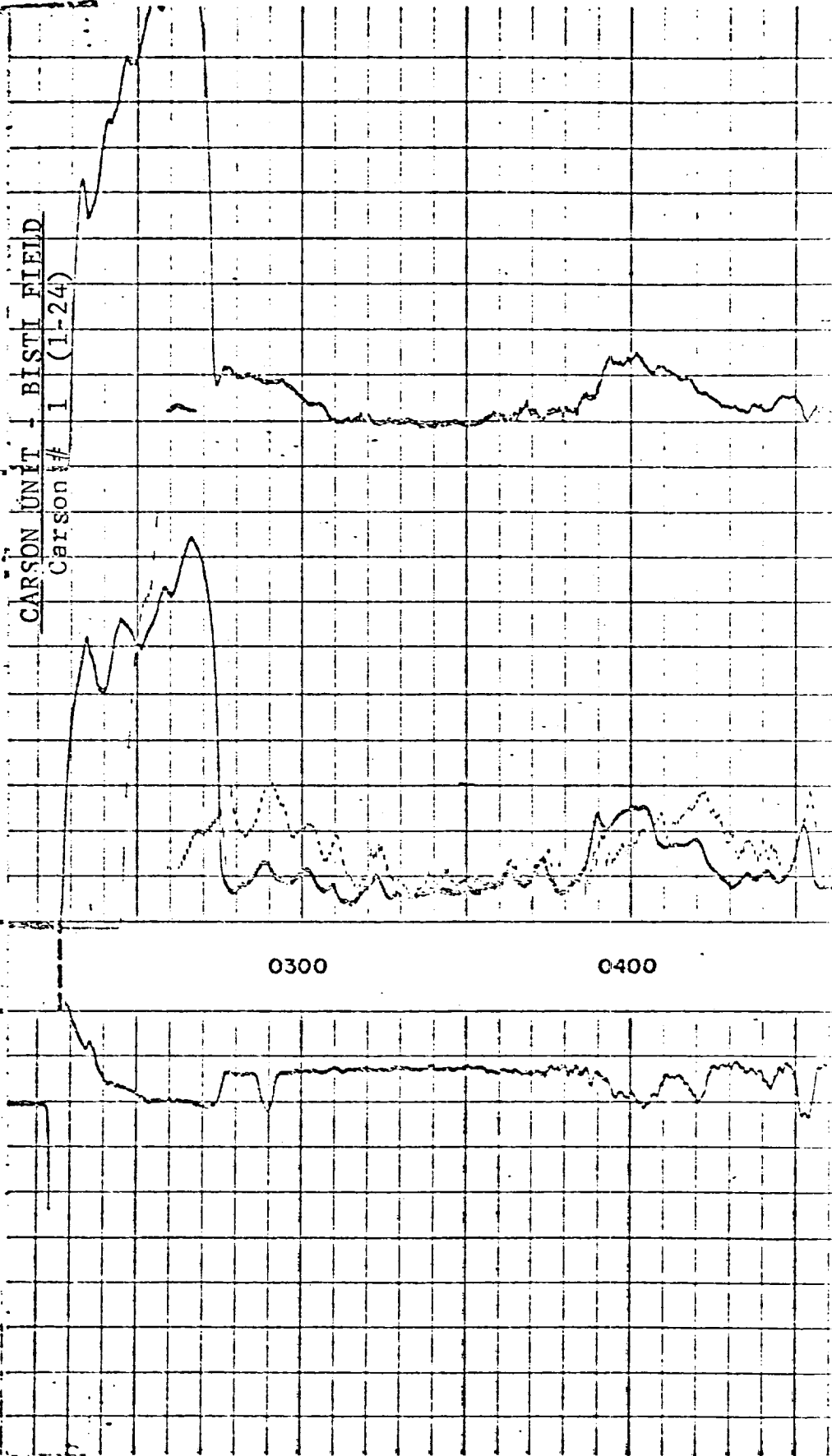
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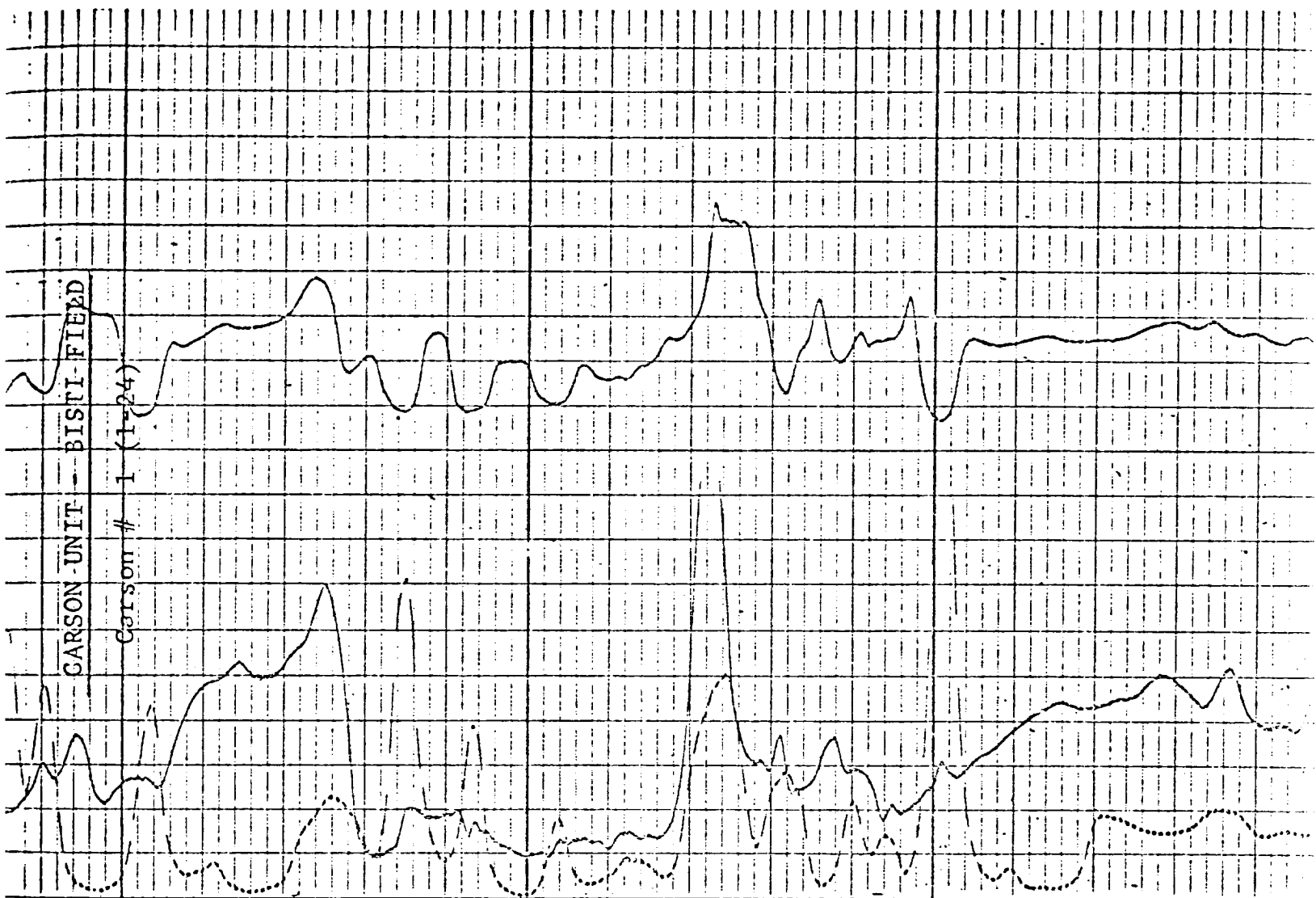
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CARSON UNIT - BISTI FIELD
Carson # 1 (1-24)

0300

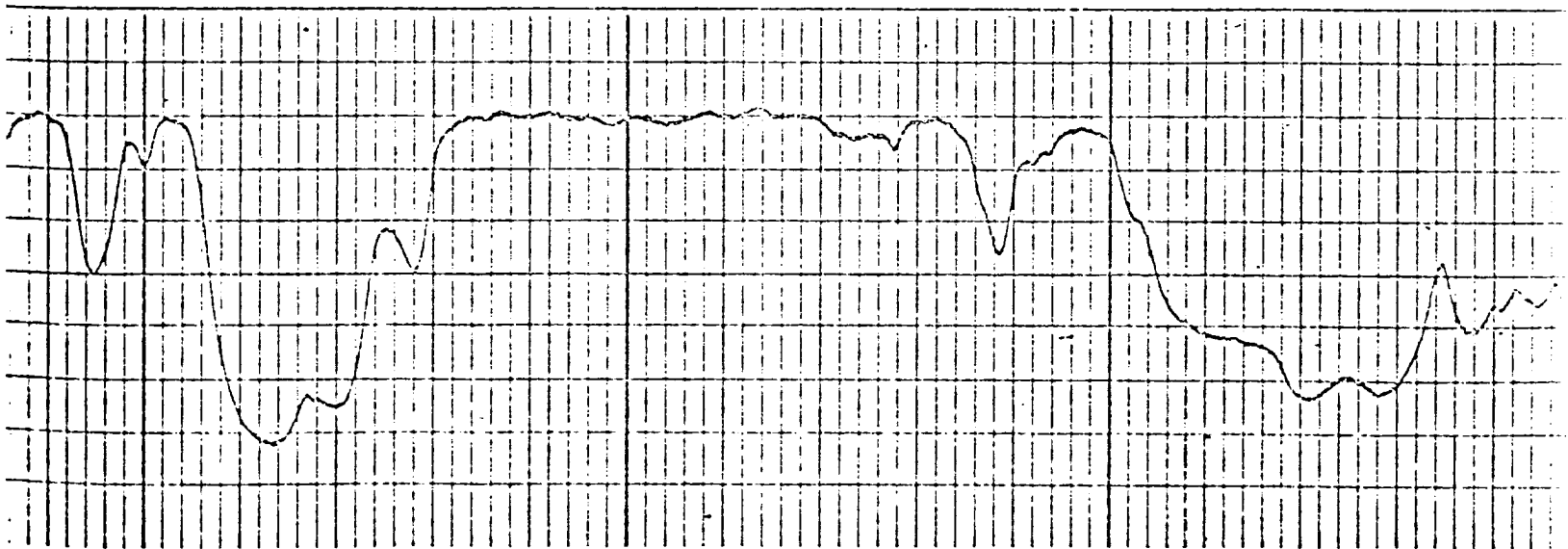
0400

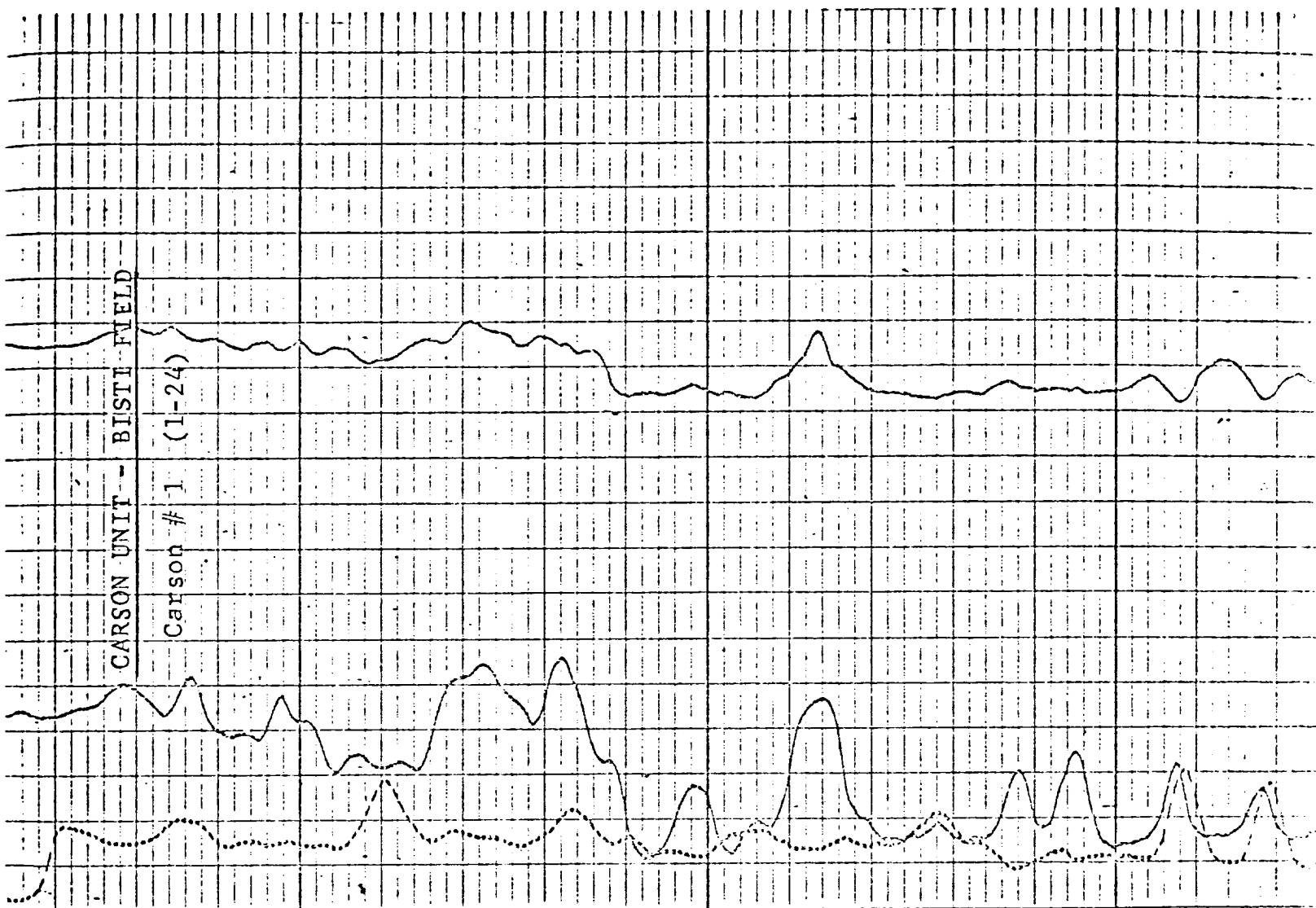




-3600

3700





3800

