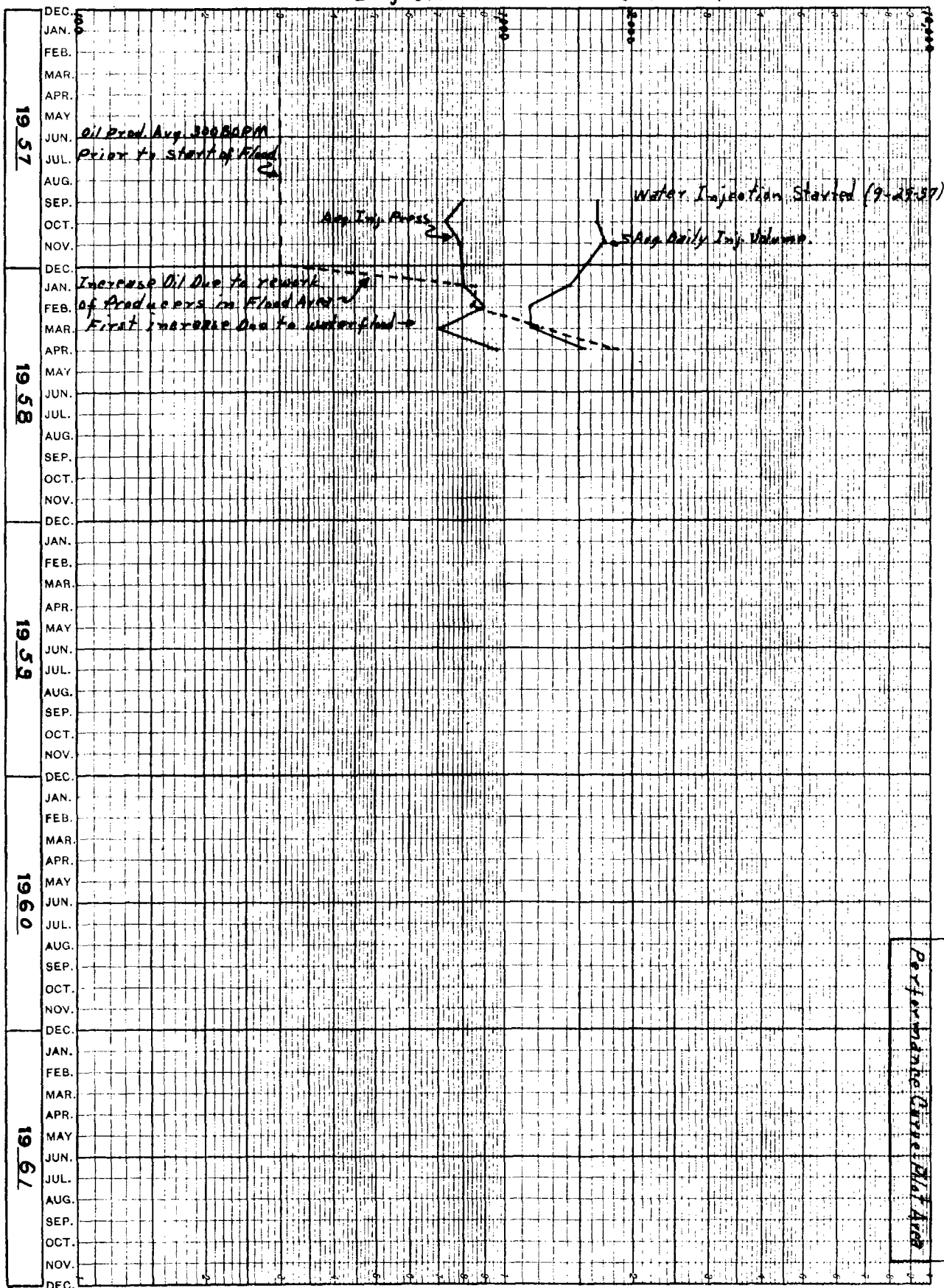


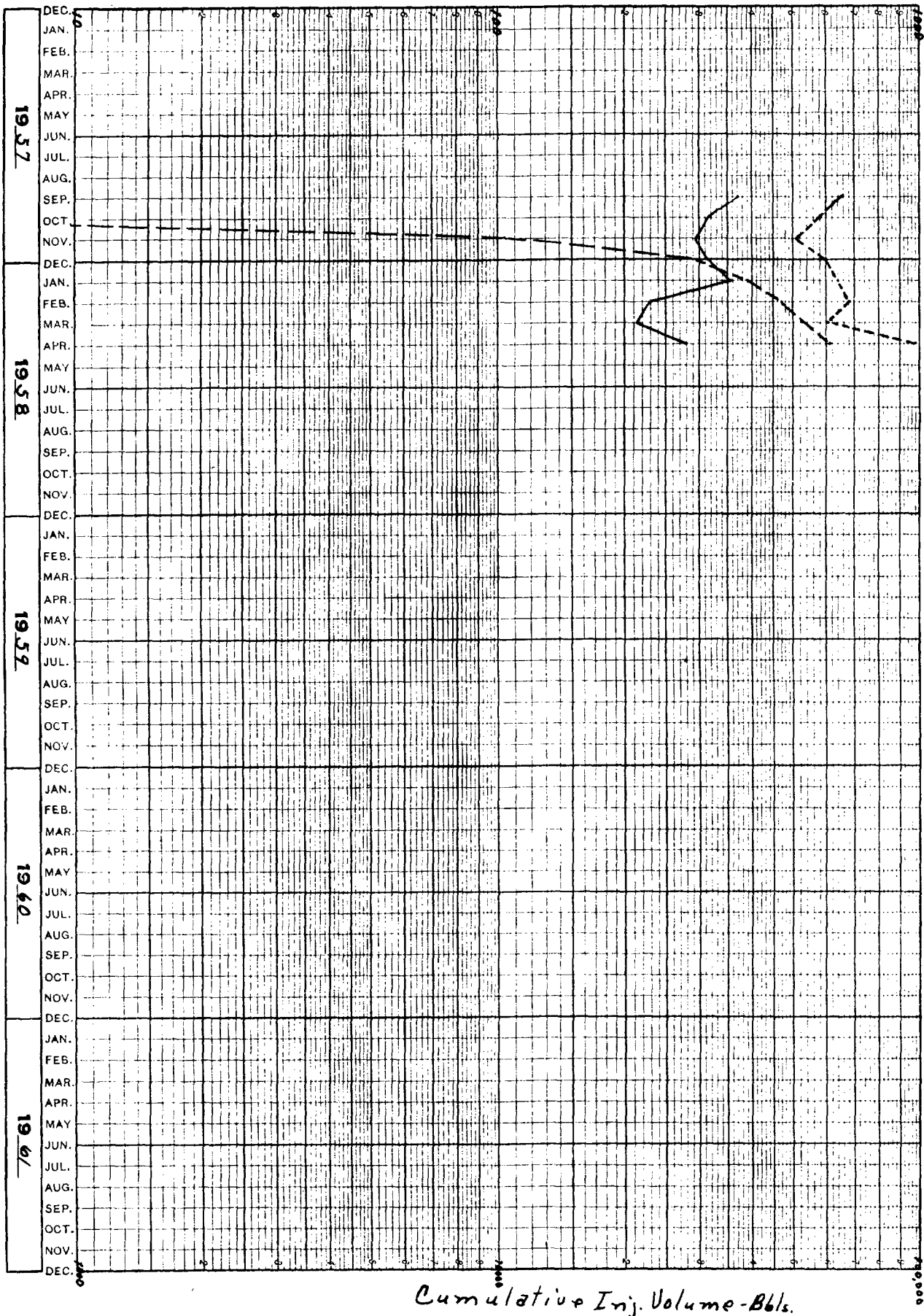
Oil Prod. (Bbls/Mo) ----
 Water Injection (Bbls/Day) —
 Injection Pressure (Psi-wellhead) —



The Ilex Company
 Artesia Pilot Flood #2
 (M-R-Y Area) Eddy Co., N.M.
 Performance Curve Pilot Area



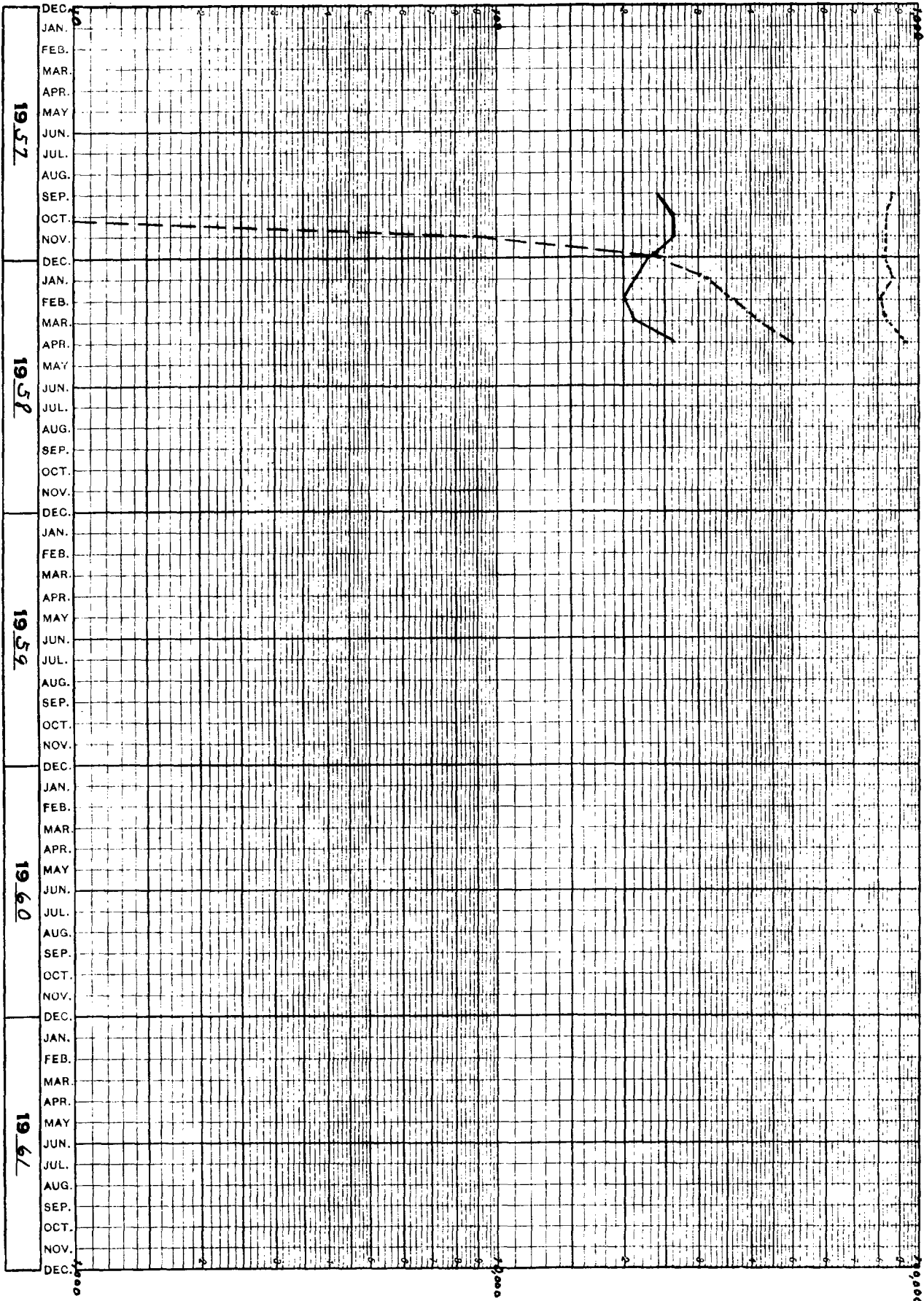
Water Injection (Bbls/day) —
 Injection Pressure (Psi. Wellhead) -----



The IbeX Company
 Artesia Pilot Flood #2
 McNett St. #2 (Injection Well)



Water Injection (Bbls/Day Avg.) —
 Injection Pressure (Psi-Well head) -----

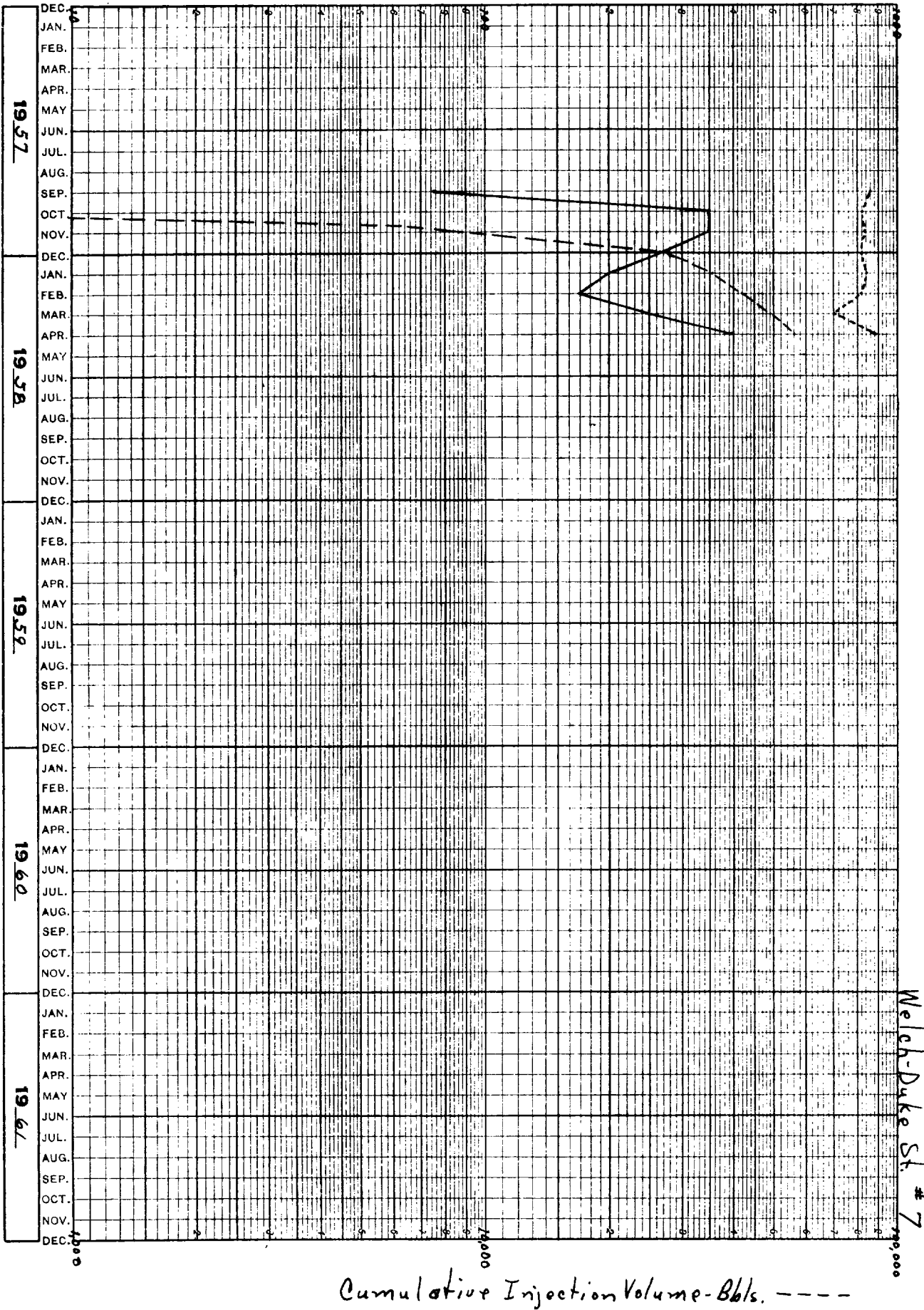


Cumulative Injection Volume (Bbls.) -----

Welch-Duke St. #5

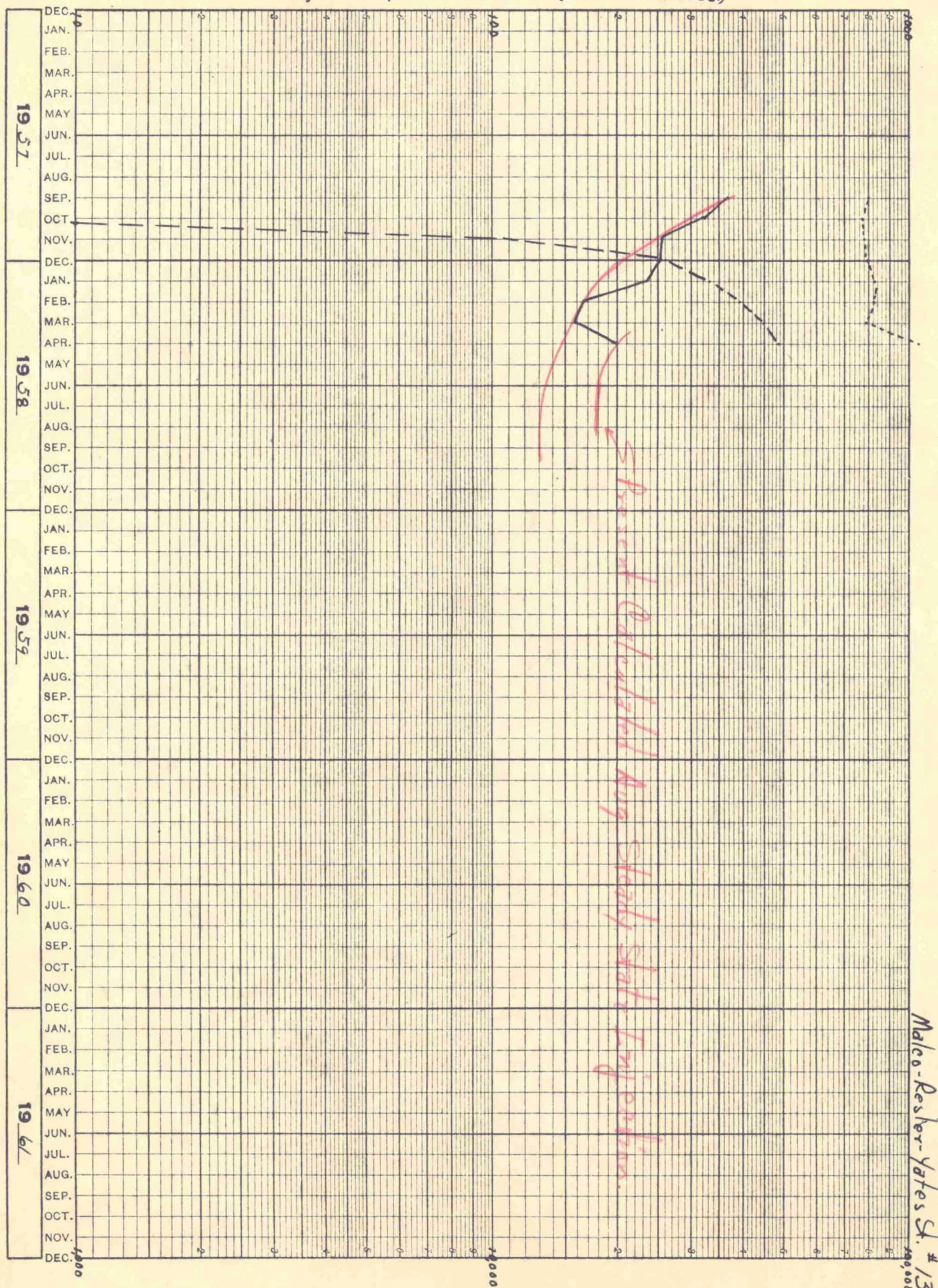


Water Injection Volume (Bbls/Day Avg.) —
 Injection Pressure (psi - Well head)





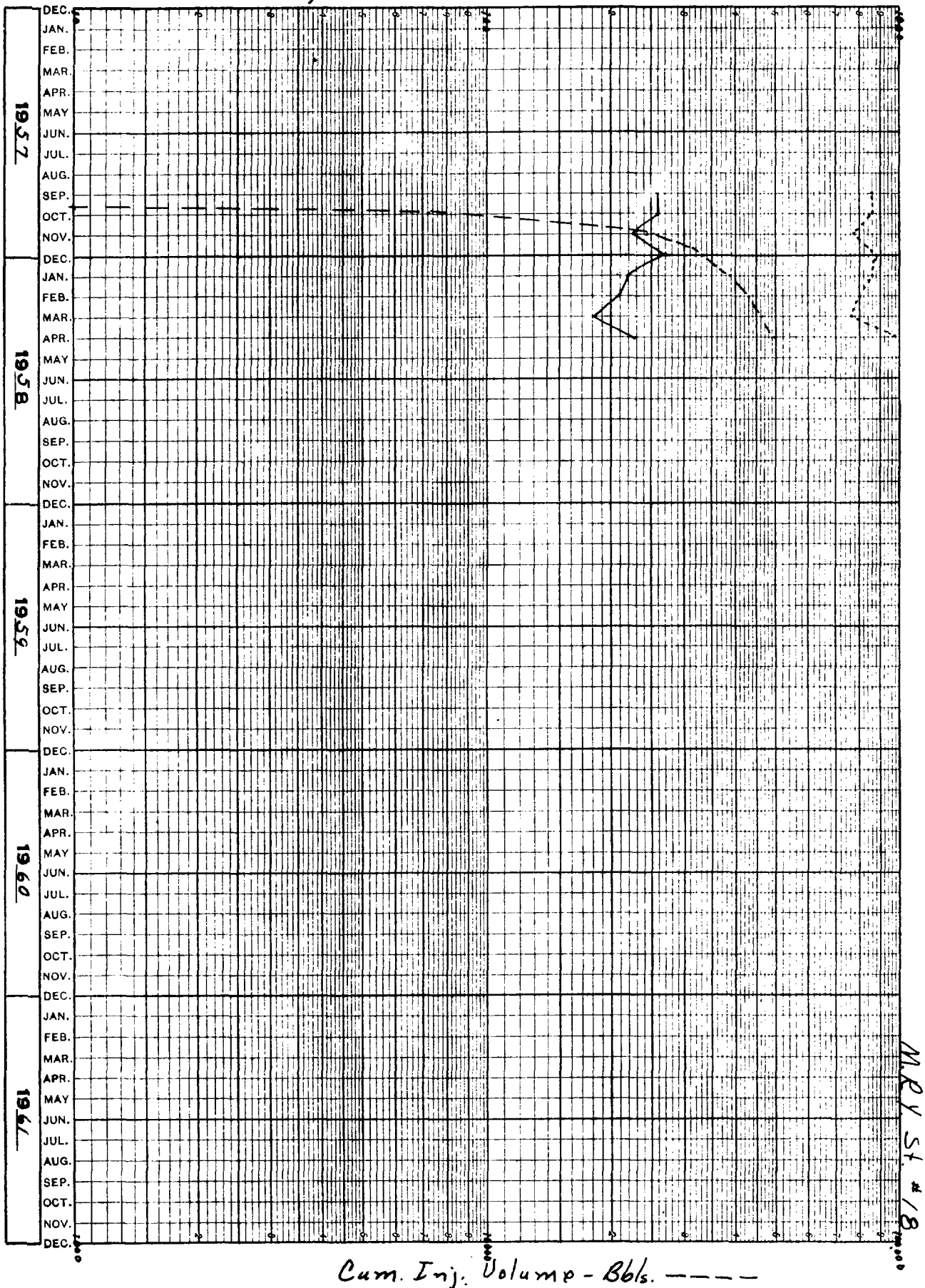
Water Injection Volume (Bbls/Day) —
Injection Pressure (Psi-Wellhead) ----



Malco-Resler-Yates St. #13

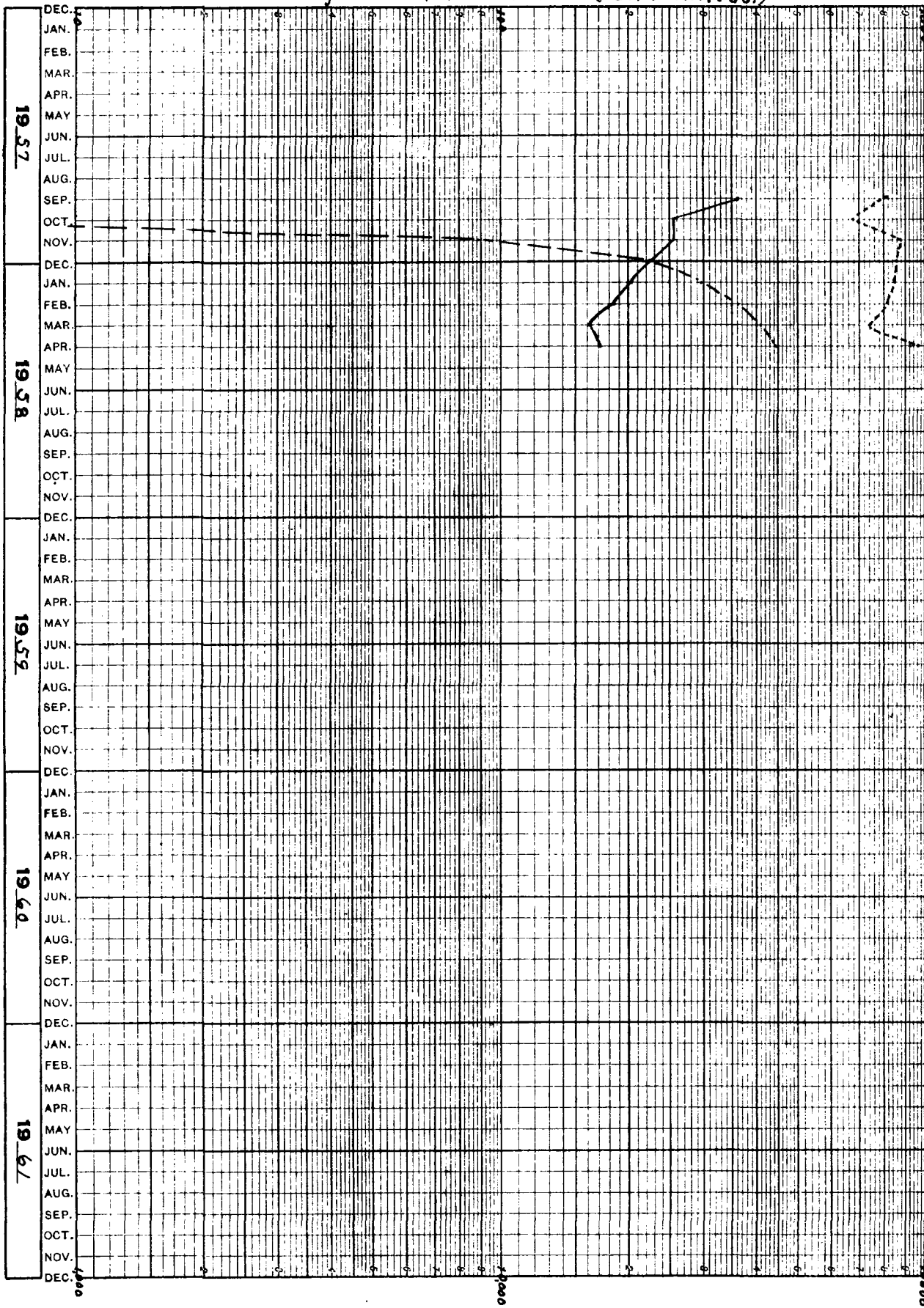
Cum. Injection Volume - Bbls. - - - -

Water Injection Volume (Bbls./Day). —
Injection Pressure (Psi) -----



MR. ST. #18

Water Injection Volume (Bbls/Day) —
 Injection Pressure (Psi. Wellhead) -----



Cum. Injection Volume - Bbls. - - - -



1196

THE IBEX COMPANY

GEORGE CORPORATION

Page I.

Monthly Water Flood Report

Project: Artesia Pilot Flood #2 (MRY Area)

Month: April

Water Injection Started: 9-29-57

Field: Artesia

Net Acres Under Flood: Approx: 80 Eff. Ac.

Formation: 1st Grayburg

	<u>Last Month</u>	<u>This Month</u>
Gross Oil Production, Ebbs.	<u>682</u>	<u>1269</u>
Oil Production Above Normal Decline, Ebbs.	<u>682</u>	<u>1269</u>
Water Production, Ebbs.	<u>90</u>	<u>90</u>
Water Injection, Ebbs.	<u>30,773</u>	<u>46,485</u>
Water/Oil Ratio, %	<u>-</u>	<u>-</u>
Daily Avg. Oil Prod., Ebbs.	<u>15 to 19</u>	<u>282</u>
Daily Avg. Water Prod., Ebbs.	<u>3</u>	<u>3</u>
Daily Avg. Injection Ebbs.	<u>1183</u>	<u>1548</u>
	<u>Ebbs.</u>	<u>B/A-F</u>
Cumulative Oil Prod. Since Start of Inj.	<u>*</u>	<u>-</u>
Cumulative Water Prod. Since Start of Inj.	<u>* - Neg.</u>	<u>-</u>
Cumulative Water Injection	<u>310,192</u>	<u>-</u>
Cumulative Net Water Injection	<u>310,192</u>	<u>-</u>
Cumulative Oil Prod. Above Normal Decline	<u>* -</u>	<u>-</u>

	<u>Production</u>			<u>Injection</u>			<u>Water Supply</u>		
	<u>Active</u>	<u>ShutIn</u>	<u>Total</u>	<u>Active</u>	<u>ShutIn</u>	<u>Total</u>	<u>Active</u>	<u>ShutIn</u>	<u>Total</u>
Well Status	<u>14</u>	<u>0</u>	<u>14</u>	<u>6</u>	<u>0</u>	<u>6</u>	<u>1</u>	<u>0</u>	<u>1</u>

Avg. Total Daily Output

Average Pressure

Water Injection Plant: 1548 + 762 = 2310 BWPD Total 960

* These figures are being calculated & estimated since all prod. production from several pay zones went to a common collecting

THE IBEX COMPANY

GRARIDGE CORPORATION

Page II.

Monthly Water Flood Report

Injection Well Data

Project: Artesia #2

Month: April

Field: Artesia

Formation: 1st Grayburg

Lease & Well No.	Effective Acre-Foot		Total Water Input		IBEX Net- Input	Inject- ion Pressure	Total Bbls.	Cumulative	
	Total	Ibex	No.	Ac-Ft.				Ibex	Net AF
M ² N ² H St. #2	-	-	8453	282		1000"		61,046	
Wich Duke #5	-	-	7996	266		930"		50,298	
Posler-42h St. #7	-	-	4956	398		890"		56,099	
" #13	-	-	6048	201		1048"		49,565	
" #16	-	-	6845	228		975"		49,558	
" #51	-	-	5207	173		980"		44,599	
Total: (6)	-	-	44985	1548		966"		310,192	

Remarks:

* Or Graridge

THE IBEX COMPANY

GRARIDGE CORPORATION

Page III.

Monthly Water Flood Report

Producing Well Data

Project: Artesia #2 (MRY Area)

Month: April

Field: Artesia

Formation: 1st Grayburg Sh

Lease & Well No.	Date of Test	Oil BPD	Water BPD	Water Cut	Change from last test			Date of Last Test
					Oil	Water	% Cut	
N. H. St. #3	5-17-28	42	0		-	-	-	
" " #4	"	4	0		-	-	-	
W. L. Duke St. #3	"	3	0		-	-	-	
" #6	"	129	0		-	-	-	
" #8	"	3	0		-	-	-	
" #9	"	10	0		-	-	-	
" #11	"	2	3		-	-	-	
" #16	"	7	0		-	-	-	
W. L. Duke St. #17	"	60	0		-	-	-	
" #19	"	1	0		-	-	-	
" #21	"	12	0		-	-	-	
" #22	"	1	0		-	-	-	
Remarks: #46	"	2	0		-	-	-	
" #53	"	6	0		-	-	-	

12/s: (14) 282 3

7 of 14 have not been
expected to date

MAIN OFFICE OCC

APPLICATION FOR AUTHORITY TO EXPAND THE
IBEX COMPANY ARTESIA PILOT FLOOD PROJECT NO. 2 IN THE
ARTESIA POOL, EDDY COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION OF STATE OF NEW MEXICO
SANTA FE, NEW MEXICO

WHEREAS, on March 29, 1957, the Oil Conservation Commission of New Mexico, by its Order Number R-966, authorized The Ibex Company to institute Artesia Pilot Flood Project Number 2 in the Grayburg formation underlying certain of their leases in part of Sections 21 and 28-18S-28E Artesia Pool, Eddy County, New Mexico. That in such order six (6) water injection wells were authorized, which are more particularly set out on the plat attached hereto and marked Exhibit "A" as well numbers 5 and 7 on the Welch Duke State Lease, numbers 8, 13, and 51 on the M R Y Lease and number 2 on the McNutt State Lease, all being marked in red.

WHEREAS, the operation of said pilot flood over a period of months resulted in a successful increase in production and on May 26, 1958, the Oil Conservation Commission of the State of New Mexico, by its Order R-966-A, authorized capacity production allowable for certain wells in the pilot waterflood project above referred to for the purpose of handling the increased production.

WHEREAS, after due consideration of data obtained from the above referred to pilot waterflood project that in order to prevent waste and obtain full ultimate recovery of oil from the waterflood area, such pilot flood must be expanded by converting additional wells into water injection wells.

It is therefore respectfully requested by the undersigned, waterflood operator, The Ibex Company, that the Oil Conservation Commission of the State of New Mexico immediately approve the following wells situated in Pilot Flood No. 2 in the Artesia Pool, Eddy County, New Mexico, which are indicated in green on Exhibit "A" attached hereto, as unorthodox well locations:

- (1) McNutt State No. 5, 272' from the South Line and 1291' from the West Line of Section 21, 18S-28E.
- (2) McNutt State No. 6, 1618' from the South Line and 2335' from the West Line of Section 21, 18S-28E.
- (3) Malco-Resler-Yates State No. 22, 1070 from the South Line and 2370' from the East Line of Section 21, 18S-28E.
- (4) Welch Duke State No. 2, 2331' from the North Line and 2419' from the West Line of Section 28, 18S-28E.
- (5) Welch Duke State No. 4, 1803' from the North Line and 2407' from the West Line of Section 28, 18S-28E.
- (6) Welch Duke State No. 10, 750' from the North Line and 1337' from the West Line of Section 28, 18S-28E.

It is further requested that the following wells which include the above mentioned unorthodox wells situated in Pilot Flood No. 2 in the Artesia Pool and encircled in yellow in Exhibit "A" attached hereto be approved as injection wells and that The Ibex Company be authorized to convert these wells to water injection wells:

- (1) McNutt State No. 5, Situated in SW/4 SW/4 of Section 21-18S-28E, N.M.P.M.
- (2) McNutt State No. 6, Situated in NE/4 SW/4 of Section 21-18S-28E, N.M.P.M.
- (3) McNutt State No. 8, Situated in SE/4, SW/4 of Section 21-18S-28E, N.M.P.M.
- (4) Malco-Resler-Yates State No. 22, Situated in SW/4 SE/4 of Section 21-18S-28E, N.M.P.M.
- (5) Malco-Resler-Yates State No. 39, Situated in SW/4 SE/4 of Section 21-18S-28E, N.M.P.M.
- (6) Welch Duke State No. 4, Situated in NE/4 NW/4 of Section 28-18S-28E, N.M.P.M.
- (7) Welch Duke State No. 10, Situated in NE/4 NW/4 of Section 28-18S-28E, N.M.P.M.
- (8) Welch Duke State No. 16, Situated in the NE/4 NW/4 of Section 28-18S-28E, N.M.P.M.

It is therefore, respectfully requested that this Commission set a date for a hearing on this application so that the undersigned may establish the facts necessary to authorize this expansion in the interest of conservation and prevention of waste as above set out.

Respectfully submitted,

THE IBEX COMPANY



O. H. Reaugh

OHR:bjg

TABLE SHOWING WELL TESTS
AND
WATER INJECTION DATA
IN
ARTESIA WATER FLOOD PROJECT NO. 2
IN
ARTESIA FIELD, EDDY COUNTY, NEW MEXICO

PRODUCING WELL TESTS

WELLS		DATE	OIL	WATER
McNutt No.	3	12-15-58	25.5	56.2
"	4	1-23-59	4	0
"	7		(T. A. since July 1958)	
MRY	17	1-22-59	80	48
"	19	9- 8-58	6	0
	21	1-20-59	80	0
	46	1-21-59	7	2
	53	1-17-59	54.3	0
	23	12- -58	(46 bbls./month)	0
Welch Duke St.				
No.	3	1-13-59	78.5	1.3
	6	1-15-59	155	13.5
	8	1-14-59	17.8	0
	9	1-15-59	55.6	12.6
	11	12- -58	(31 bbls./month)	0

WATER INJECTION WELL DATA

(Cumulative Water Injection to 1-1-59)

McNutt No.	2	124,450
	5	Jan
	6	Jan
	8	1,434

Welch Duke State		
No.	4	2,469
	5	111,533
	7	130,984
	10	3,065
	16	Jan.

Resler Yates State		
No.	13	103,585
	18	105,225
	22	Jan
	39	2,018
	51	86,634

PROPOSED PILOT FLOODS #2 & #3.

BEFORE THE
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO
CASE 1196
EXHIBIT AB

The Ibex Company

12-1-56

See attached list

Artesia Pool

Eddy County

"Upper" or "First" Grayburg Sand

1923

None

(Attached)

Age of reservoir: Upper or first sand of Grayburg Formation.

Estimated productive area of entire reservoir: Approximately 1600 ac.

Composition (sand, limestone, dolomite, etc.): Sand

Structure: stratigraphic trap

Structural and Isopach Maps Attached.

Include structural and cross-section maps

Type drive during primary production: solution gas.

Original reservoir pressure: unknown

Was gas cap present originally? unknown no

(Total of approximately 1100 ac)

Pilot Flood Areas 70a

2000'

20'

17%

50

40

35%

Est. @ 4 to 6 cp.

1924

*See below.

stripper stage.

total of 45.41 operated
by the Ibex Company.
2 bbl/day/well

Total of approximately 4,375,000 bbls from leases now operated by Ibex.

37%

No artificial

stimulation except some sand-fracturing of late.

*Production data on individual wells or leases could not be obtained because production from wells and leases outside the area were included in the operators' production reports.

11. Injection

1. Source of injected water (formations, depths) Red Sand formation 350' to 400'
2. Fresh or salt water Brakish (See attached Chemical Analysis.)
3. Open or closed system semi-closed.
4. Treatment of injected water filtering.
5. Pattern and spacing simulated 5-spot--approximately 12 ac each.
6. Initial injection pressure to be used (psi) As needed. Est. @ 800 psi.
7. Estimated initial per well rate of injection (bbls.) 300 bbl/well/day
8. Will oil wells be converted into injection wells or will injection wells be drilled? (If to be converted, give well numbers.) All to be converted.

See accompanying plat for numbers and relative locations of the proposed injection wells.

12. Will additional oil wells be drilled? Not at this time. Location New wells will be drilled as the pilot floods are expanded.

13. Results expected

1. Estimated residual oil saturation at abandonment (% of pore space) 20
2. Estimated ultimate additional oil that will be recovered as a direct result of injection (bbls.) 2,420,000 total (2200 bbls/ac) 154,000 bbls from pilot area.
3. Estimated original oil in place (bbls.) 16,700,000

14. Recommendations and reasons therefor: Total reservoir is now producing at the approximate economic limit. The above volume of oil will, therefore, not be recovered unless some means of secondary recovery is instigated.

We, therefore, request Commission approval for the two subject pilot floods.

THE CHEMICAL PROCESS COMPANY

LABORATORY REPORT

SUBJECT: **Water Analysis**
 DEPTH: **335'**
 FORMATION:

BEFORE THE
 OIL CONSERVATION COMMISSION
 SANTA FE, NEW MEXICO
 CASE No. **1196**
 EXHIBIT No. **5**

Company **The Ibox Company** Farm **Eddy Humble** Well No. **1**
 Location _____ County **Eddy** State **New Mexico** Date **9-26-56**
 Pool _____ Samples Submitted by _____

SPECIFIC GRAVITY: **1.010**
 pH: **7.7**

PRINCIPAL CONSTITUENTS

RADICAL	PARTS PER MILLION	REACTING VALUE	%TOTAL REACTING VALUE
SODIUM	1,653	71.88	26.92
CALCIUM	902	45.01	16.86
MAGNESIUM	202	16.60	6.22

CHLORIDE	3,000	84.60	31.69
SULPHATE	2,218	46.13	17.28
BICARBONATE	168	2.76	1.03

PRIMARY SALINITY:	53.84	PER CENT TOTAL REACTING VALUE
SECONDARY SALINITY:	44.10	PER CENT TOTAL REACTING VALUE
SECONDARY ALKALINITY:	2.06	PER CENT TOTAL REACTING VALUE

General Remarks:

Iron: **Less than 1 ppm**

LAB. NO. **2513 W**
 DISTRICT **Hobbs**

ANALYZED BY **JC**
 2M 840F4-56 ABC PRESS

jb

Signed

Jerry Cochran

BRECKENRIDGE OFFICE
TELEPHONE 674
P. O. BOX 752

Case 1198

GRAHAM OFFICE
TELEPHONE 1492
P. O. BOX 1110

THE IBEX COMPANY

MANUFACTURERS OF NATURAL GASOLINE AND L. P. G. PRODUCTS
PRODUCERS OF OIL AND GAS
IBEX BUILDING

BRECKENRIDGE, TEXAS

February 11, 1957

Oil Conservation Commission
State Capitol Building
Santa Fe, New Mexico

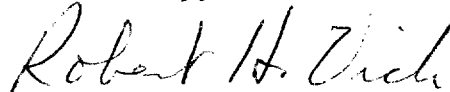
Attention: Mr. Warren Mankin

Gentlemen:

Attached is the requested information relative to the proposed
Ibex Company pilot waterfloods #2 and #3, in 18-S, 28-E, Eddy
County, New Mexico.

Please inform us if any additional information is needed.

Yours truly,



ROBERT H. VICK

rhv/jbm
attachments

cc: Graham

PILOT FLOODS #2 & #3

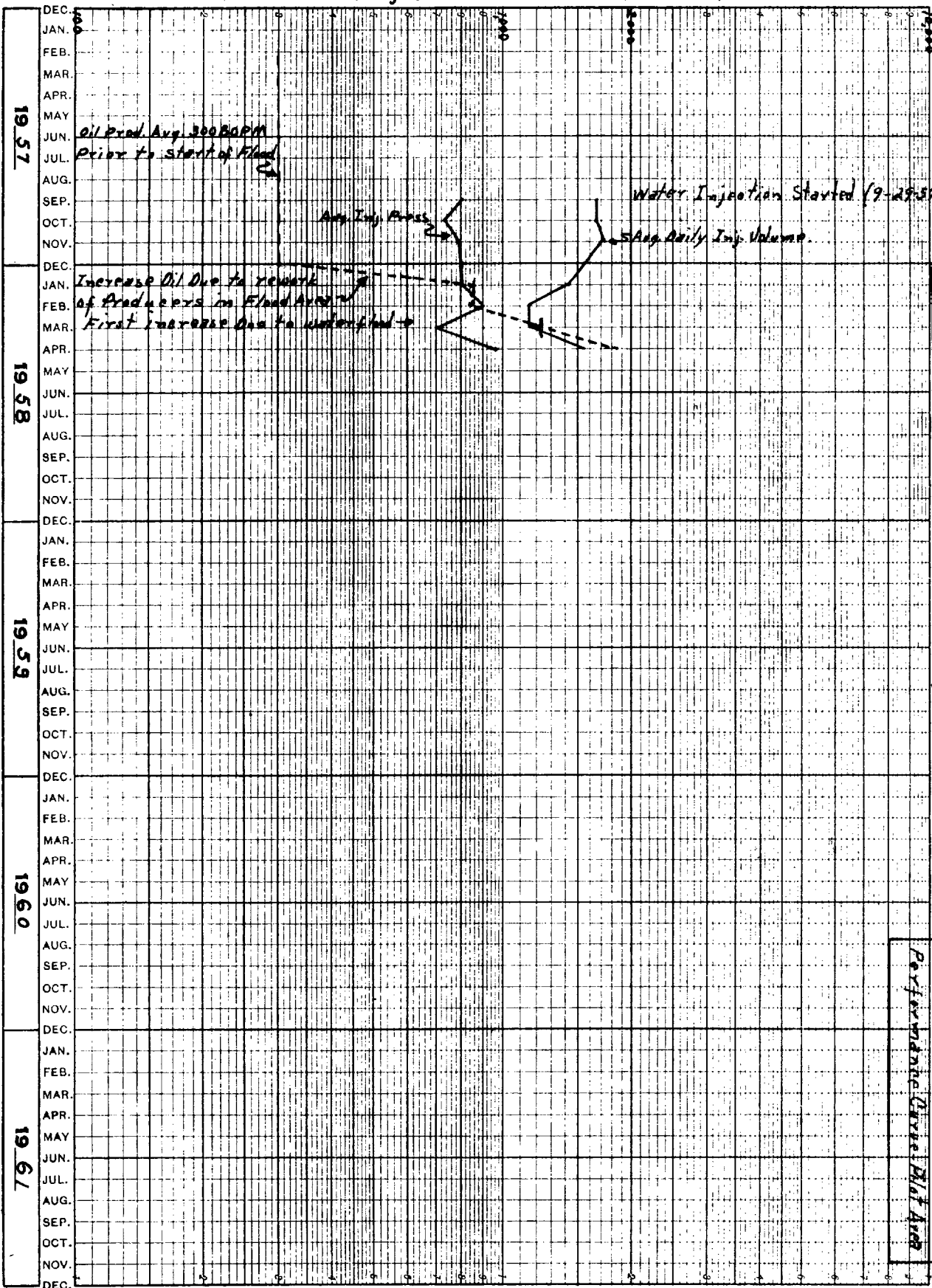
List of leases in area operated by The Ibex Company:

1. Ibex McNutt State: Units K, L, M & N of Section 21.
2. Ibex Welch Duke State: Units C, D, E & F of Section 28.
3. Ibex Royal Duke State: Unit G of Section 29.
4. Ibex Malco Resler Yates State Leases comprised of the following:
Units F, H, I, J, K, M, N, O & P of Section 29; Units A, B, C, D,
E, F, G, & H of Section 32; Units A & H of Section 31; Unit P of
Section 30; Units B, G & H of Section 28; UNITS I & P of Section
20; Units F, I, O & P of Section 21 and Unit M of Section 22.

All of the above leases are in T - 18 - S, R 28 E. Relative positions are shown on the submitted plat.



Oil Prod. (Bbls/Mo) ----
 Water Injection (Bbls/Day) —
 Injection Pressure (Psi-Wellhead) —

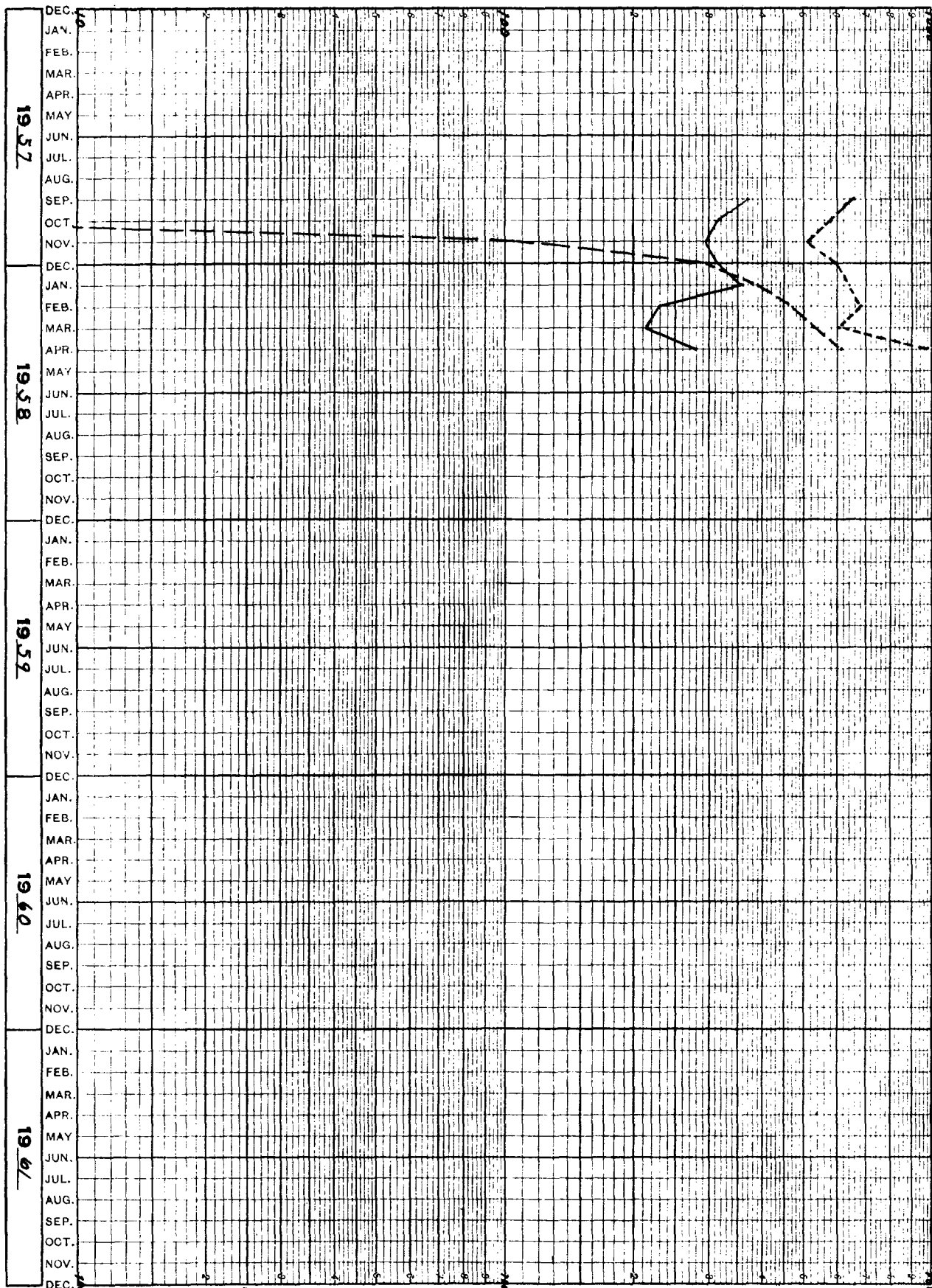


BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 3
 CASE NO. 1196

The Ilex Company
 Artesia Pilot Flood #2
 (MRY Area) Eddy Co., N.M.

Perforated Curve Pilot Area

Water Injection (Bbls/day) —
 Injection Pressure (Psi. Wellhead) -----

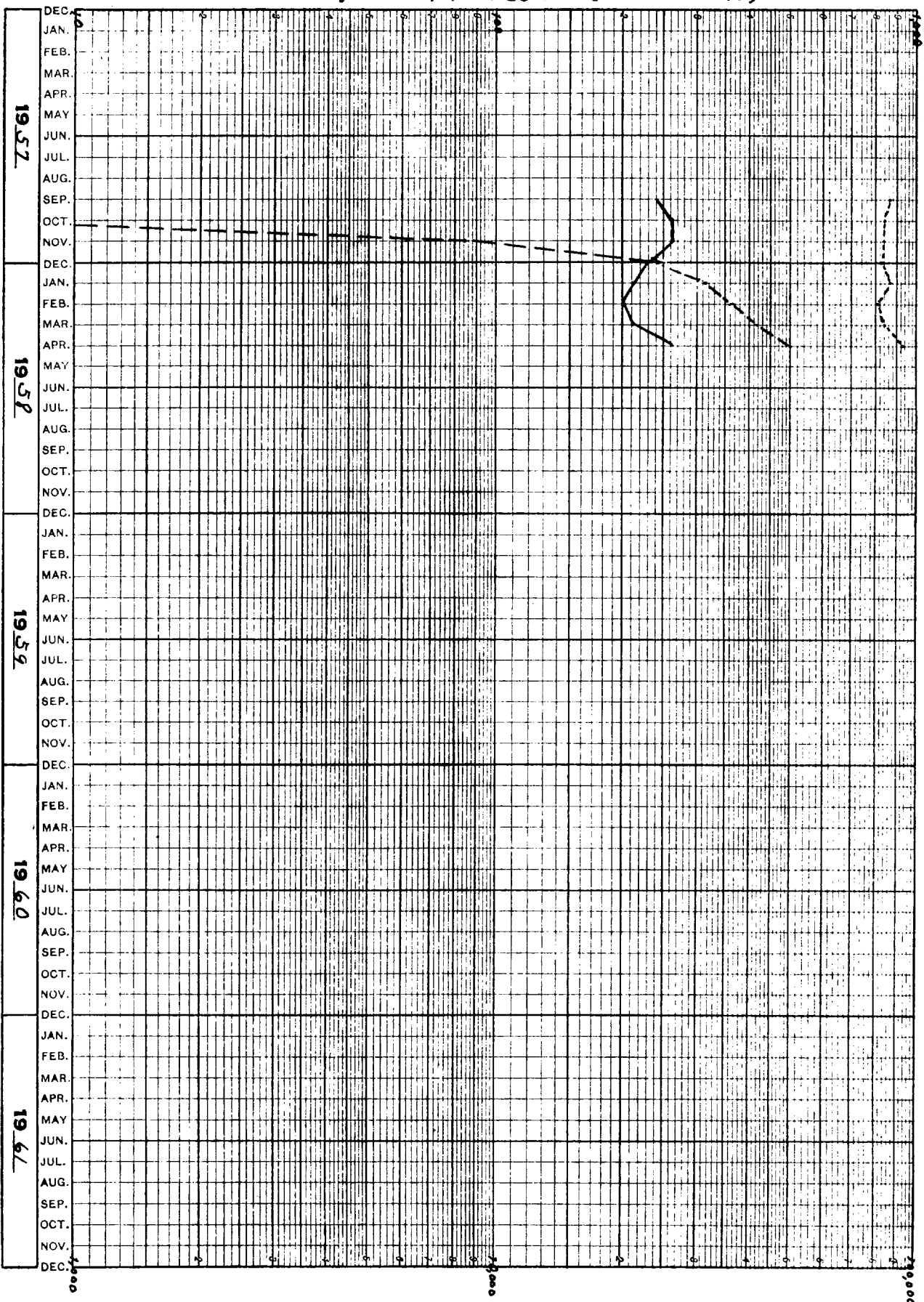


Cumulative Inj. Volume - Bbls.

The Ilex Company
 Artesia Pilot Flood #2
 McNutt St. #2 (Injection Well)



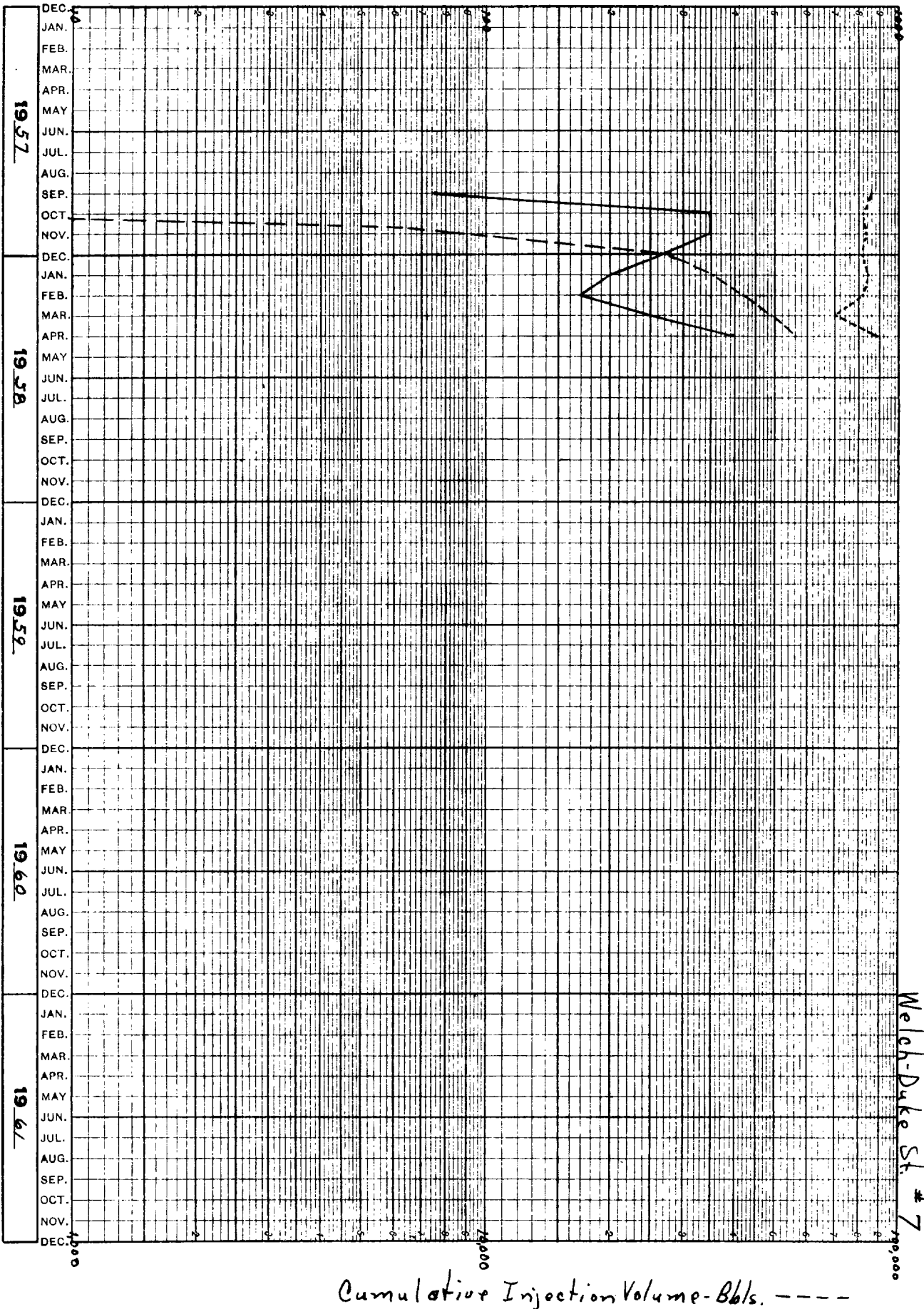
Water Injection (Bbls/Day Avg.) —
Injection Pressure (Psi-Wellhead) -----



Cumulative Injection Volume (Bbls.) ----

Welch-Duke St. #5

Water Injection Volume (Bbls/Day Avg.) —
 Injection Pressure (Psi - Well head)



Cumulative Injection Volume - Bbls. ----

Welch-Duke St. # 7



FILE # 6

BEFORE THE
OIL CONS. & REVENUE COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 6
CASE 1146

WELL LOCATIONS AFFECTED BY PROPOSED PILOT FLOODS #2 & #3

Artesia - Kuyberg Flood
12 Kuyberg zone.

These are the "Unorthodox Locations" for which approval to utilize same in the flood projects is sought.

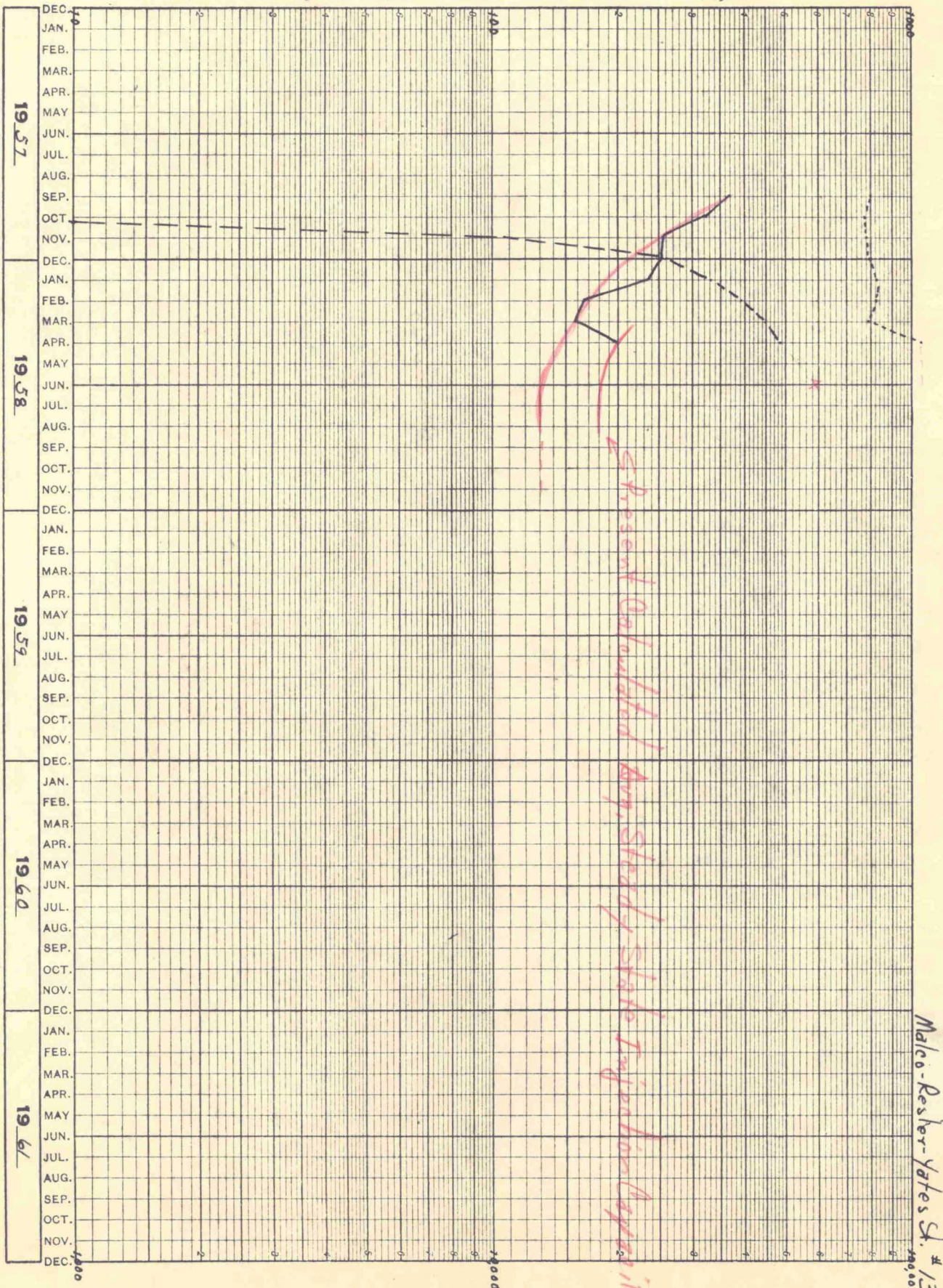
The complete area has been resurveyed by Mr. Mathis, Registered State Land Surveyor, from Artesia, New Mexico. All the following distances are taken from this survey.

FLOOD	LEASE	WELL NO	UNIT & SECTION*	DISTANCES
Pilot #2	Ibex McNutt State	2	N-21	2390' FWL & 250' FSL
		3	N-21	1900' FWL & 250' FSL
		4	N-21	2390' FWL & 1070' FSL
	Ibex Malco-Resler-Yates State	3	C-28	2390' FWL & 1320' FNL
		5	C-28	2390' FWL & 750' FNL
		6	C-28	2390' FWL & 250' FNL
		7	C-28	1890' FWL & 250' FNL
		8	D-28	1300' FWL & 250' FNL
		9	C-28	1890' FWL & 800' FNL
		13	B-28	2900' FWL & 250' FNL
		17	B-28	2900' FWL & 750' FNL
		18	B-28	2900' FWL & 1300' FNL
		19	G-28	2900' FWL & 1850' FNL
		51	B-28	3450' FWL & 500' FNL
		53	B-28	3450' FWL & 1200' FNL
		21	O-21	2900' FWL & 250' FSL
Pilot #3	Ibex Malco-Resler-Yates State	3	D-32	1050' FWL & 600' FNL
		4	C-32	1570' FWL & 550' FNL
		5	D-32	950' FWL & 1050' FNL
		6	D-32	1050' FWL & 100' FNL
		7	D-32	600' FWL & 100' FNL
		9	D-32	450' FWL & 550' FNL

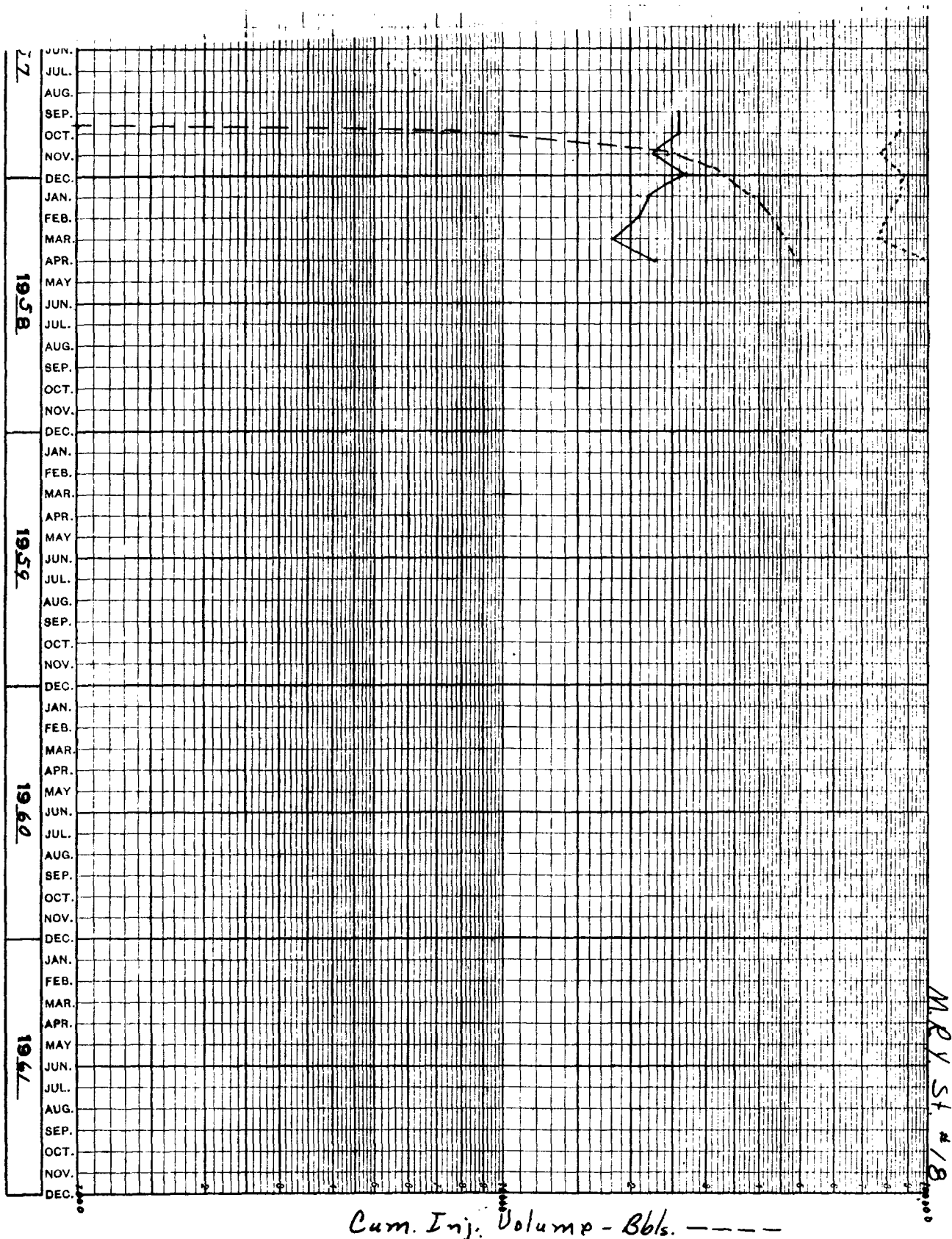
*All the above wells are located in Township 18-S, Range 28-E.



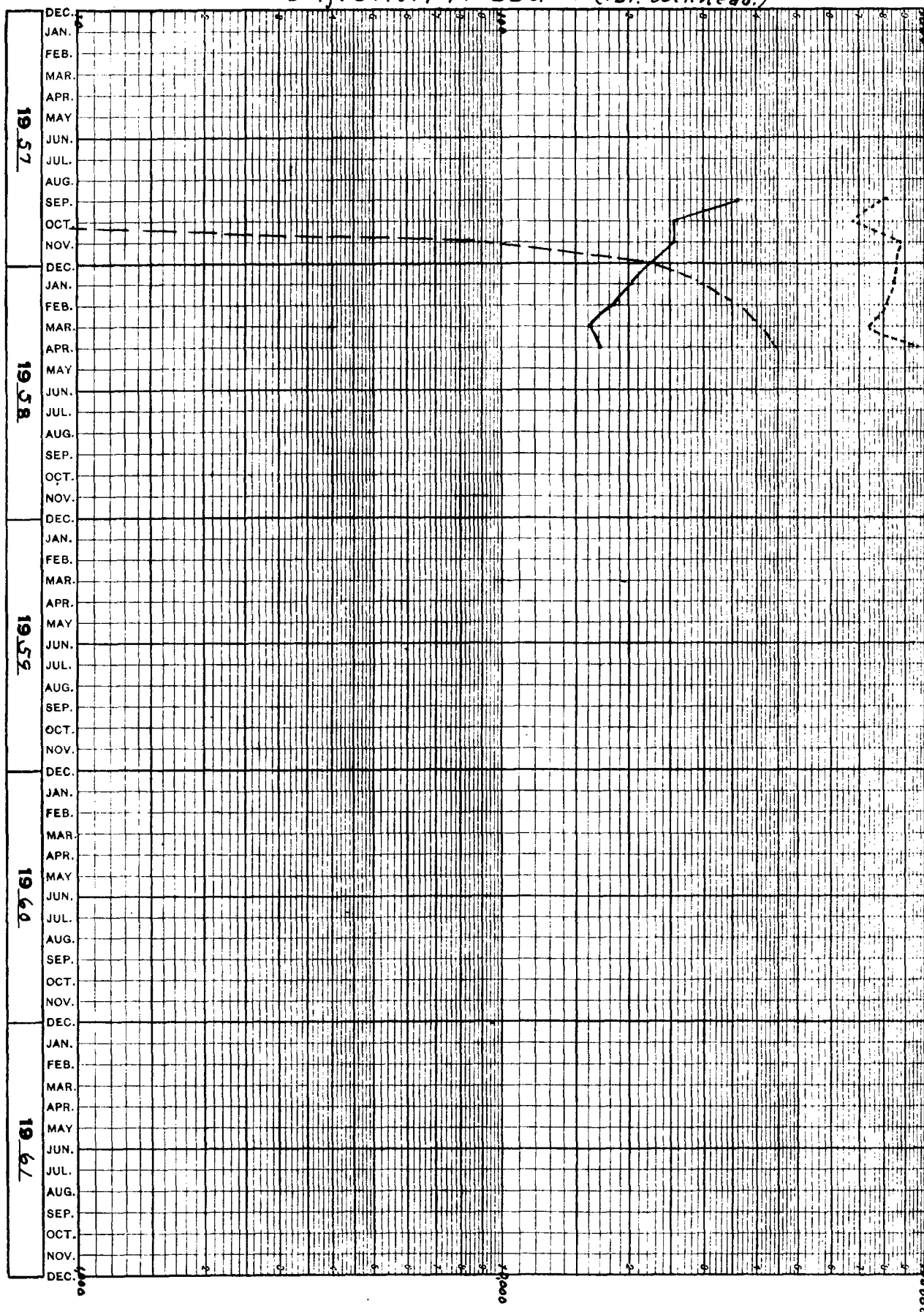
Water Injection Volume (Bbls/Day) —
Injection Pressure (Psi-Wellhead) ----



Cum. Injection Volume - Bbls. ----



Water Injection Volume (Bbls/Day) —
Injection Pressure (Psi. Wellhead)



Cum. Injection Volume - 86 1/2. - - -

THE IBEX COMPANY

GRARIDGE CORPORATION

Page III.

Monthly Water Flood Report

Producing Well Data

Project: Artesia #2 (MRY Area)

Month: April

Field: Artesia

Formation: 1st Grayburg sh

Lease & Well No.	Date of Test	Oil BPD	Water BPD	Water Cut	Change from last test			Date of Last Test
					Oil	Water	% Cut	
A ^o N.H. St. #3	5-17-28	42	0		-	-	-	
" " #4	"	4	0		-	-	-	
Welch-Duke St. #3	"	3	0		-	-	-	
" " 6	"	129	0		-	-	-	
" " 8	"	3	0		-	-	-	
" " 9	"	10	0		-	-	-	
→ " 11	"	2	3		-	-	-	
" " 16	"	7	0		-	-	-	
Rosier Yates St. #17	"	60	0		-	-	-	
→ #19	"	1	0		-	-	-	
#21	"	12	0		-	-	-	
→ #22	"	1	0		-	-	-	
Remarks: #46	"	2	0		-	-	-	
#53	"	6	0		-	-	-	

Totals: (14) 282 3

Monthly Water Flood Report

Project: Artesia Pilot Flood #2 (MP4 Area) Month: April
 Water Injection Started: 12-17-57 Field: Artesia
 Net Acres Under Flood: 14 Ac. Formation: 1st Grayburg Sh.

	<u>Last Month</u>	<u>This Month</u>
Gross Oil Production, Ebls.	<u>4 585</u>	<u>767</u>
Oil Production Above Normal Decline, Ebls	<u>-</u>	<u>-</u>
Water Production, Ebls.	<u>-</u>	<u>1200</u>
Water Injection, Ebls.	<u>14,115</u>	<u>22,867</u>
Water/Oil Ratio, %	<u>-</u>	<u>-</u>
Daily Avg. Oil Prod., Ebls.	<u>-</u>	<u>14</u>
Daily Avg. Water Prod., Ebls.	<u>4 -</u>	<u>20 (A.P. Prod.)</u>
Daily Avg. Injection Ebls.	<u>697</u>	<u>762</u>
	<u>Ebls.</u>	<u>B/A-F</u>
Cumulative Oil Prod. Since Start of Inj.	<u>4</u>	<u>-</u>
Cumulative Water Prod. Since Start of Inj.	<u>4</u>	<u>-</u>
Cumulative Water Injection	<u>100,882</u>	<u>-</u>
Cumulative Net Water Injection	<u>-</u>	<u>-</u>
Cumulative Oil Prod. Above Normal Decline	<u>4</u>	<u>-</u>

	<u>Production</u>			<u>Injection</u>			<u>Water Supply</u>		
	<u>Active</u>	<u>Shut In</u>	<u>Total</u>	<u>Active</u>	<u>Shut In</u>	<u>Total</u>	<u>Active</u>	<u>Shut In</u>	<u>Total</u>
Well Status	<u>2</u>	<u>0</u>	<u>2</u>	<u>4</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>0</u>	<u>1</u>
<u>Avg. Total Daily Output</u>							<u>Average Pressure</u>		

Water Injection Plant: $762 + 1548 = 2310 \text{ BWPD Tot.}$

* Cumulative Oil & Water production figures are to be added.

Monthly Water Flood Report

Injection Well Data

Project: Artesia Pilot Field #3

Month: April

Field: AL-18

Formation: 1st

[illegible]

Remarks:

* Or Graridge

THE IBEX COMPANY

GRARIDGE CORPORATION

Page III.

Monthly Water Flood Report

Producing Well Data

Project: Artesia Pilot Flood #3Month: AprilField: ArtesiaFormation: 1st Grayburg Sh

Lease & Well No.	Date of Test	Oil BPD	Water BPD	Water Cut	Change from last test			Date of Last Test
					Oil	Water	% Cut	
MRY # 3	5-17-58	12	80	87%	-19	+80	-	4-15-58
MRY # 9	"	4	0	0	+4	-17		4-16-58
Total (2)	"	16	80	-	-	-		-

Remarks: Water Production Now believed to be coming from casing leaks in producing wells. Instead of water break through from injection wells. We are still planning to run Radioactive Tracer logs on the (4) Injection wells.

THE INDEX COMPANY

CORPORATION

Monthly Water Flood Report

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 1196CASE NO. 1196Object: Artesia Pilot Flood #2 (MRY Area)Month: AprilWater Injection Started: 9-29-57Field: ArtesiaNet Acres Under Flood: Approx 80 Eff. Ac.Formation: 1st Grayburg Sh

	<u>Last Month</u>	<u>This Month</u>
Gross Oil Production, Bbls.	<u>1269</u>	<u>1269</u>
Oil Production Above Normal Decline, Bbls.	<u>682</u>	<u>1269</u>
Water Production, Bbls.	<u>90</u>	<u>90</u>
Water Injection, Bbls.	<u>30,773</u>	<u>46,482</u>
Water/Oil Ratio, %	<u>-</u>	<u>-</u>
Daily Avg. Oil Prod., Bbls.	<u>15 to 19</u>	<u>282 (from Test)</u>
Daily Avg. Water Prod., Bbls.	<u>3</u>	<u>3</u>
Daily Avg. Injection Bbls.	<u>1183</u>	<u>1548</u>
	<u>Bbls.</u>	<u>B/A-F</u>
Cumulative Oil Prod. Since Start of Inj.	<u>4 -</u>	<u>-</u>
Cumulative Water Prod. Since Start of Inj.	<u>4 - Neg.</u>	<u>-</u>
Cumulative Water Injection	<u>310,192</u>	<u>-</u>
Cumulative Net Water Injection	<u>310,192</u>	<u>-</u>
Cumulative Oil Prod. Above Normal Decline	<u>4 -</u>	<u>-</u>

Well Status	<u>Production</u>			<u>Injection</u>			<u>Water Supply</u>		
	<u>Active</u>	<u>Shut In</u>	<u>Total</u>	<u>Active</u>	<u>Shut In</u>	<u>Total</u>	<u>Active</u>	<u>Shut In</u>	<u>Total</u>
14	0	14	6	0	6	1	0	1	

Avg. Total Daily OutputAverage PressureWater Injection Plant: 1548 + 762 = 2310 BW.P.D. Total. 966"

* These figures being calculated & estimated since all prior production from several pay zones went into common Tank Batteries.

THE JENX COMPANY
GARLIDGE CORPORATION

Page II.

Monthly Water Flood Report

Injection Well Data

Project: Artesia #2

Month: April

Field: Artesia

Formation: 1st Grayburg

Lease & Well No.	Effective Acre-Foot Total		Total Water Input		Injection Pressure	Total Mils.	Cumulative Input	
			Mp.	M/AF			Net Mils.	Net AF
M ² N. H. St. #2	-	-	2863	282	1000"		61,046	
Wolch Duke St. #5	-	-	7896	246	930"		50,298	
Rosier-Yak St. #7	-	-	4056	398	890"		56,099	
" " #13	-	-	4008	201	1048"		48,565	
" " #14	-	-	4046	239	975"		49,558	
" #51	-	-	5207	173	960"		44,599	
Total: (6)	-	-	14986	1549	966"		310,192	

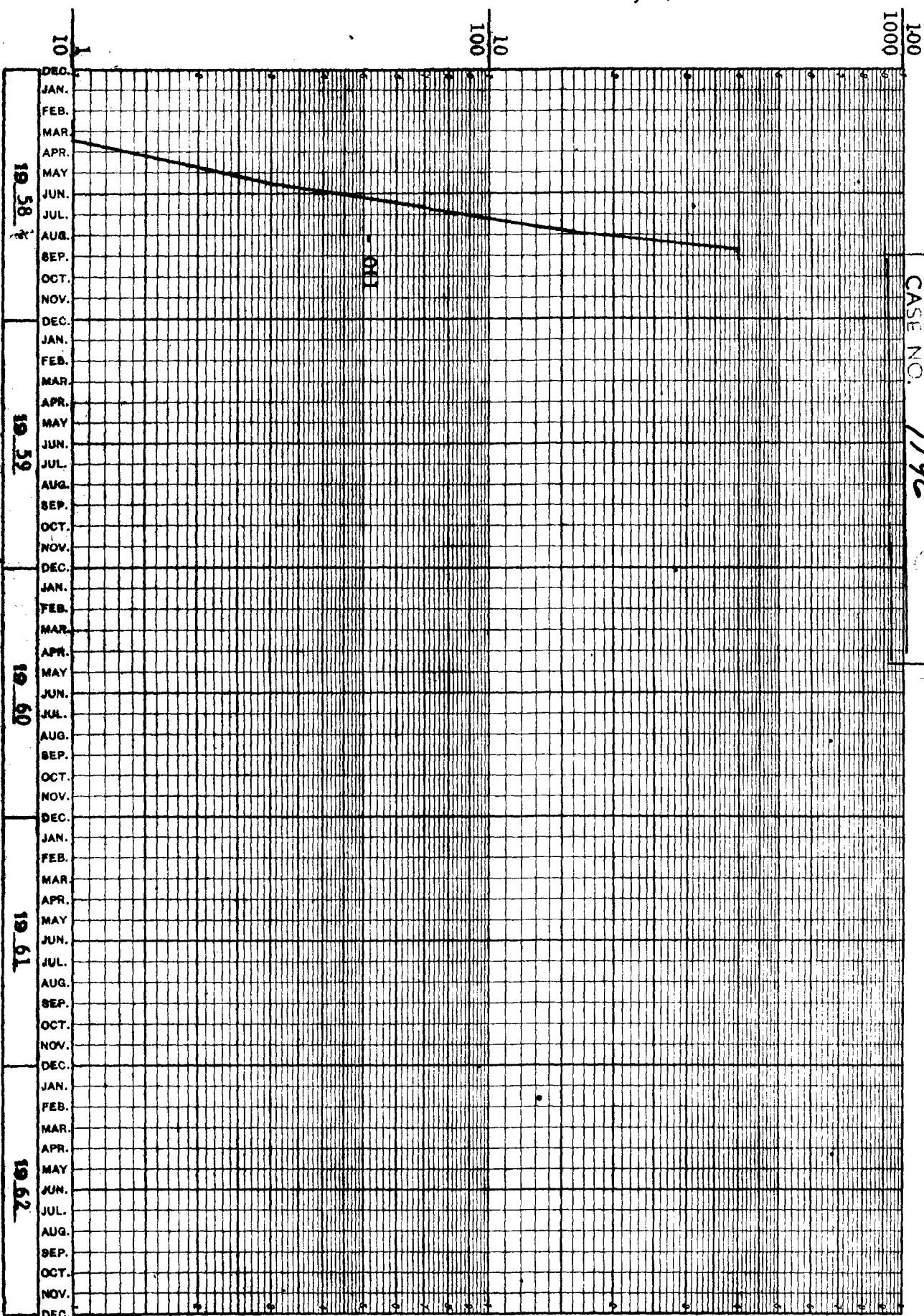
Remarks:
* Or Garlidge



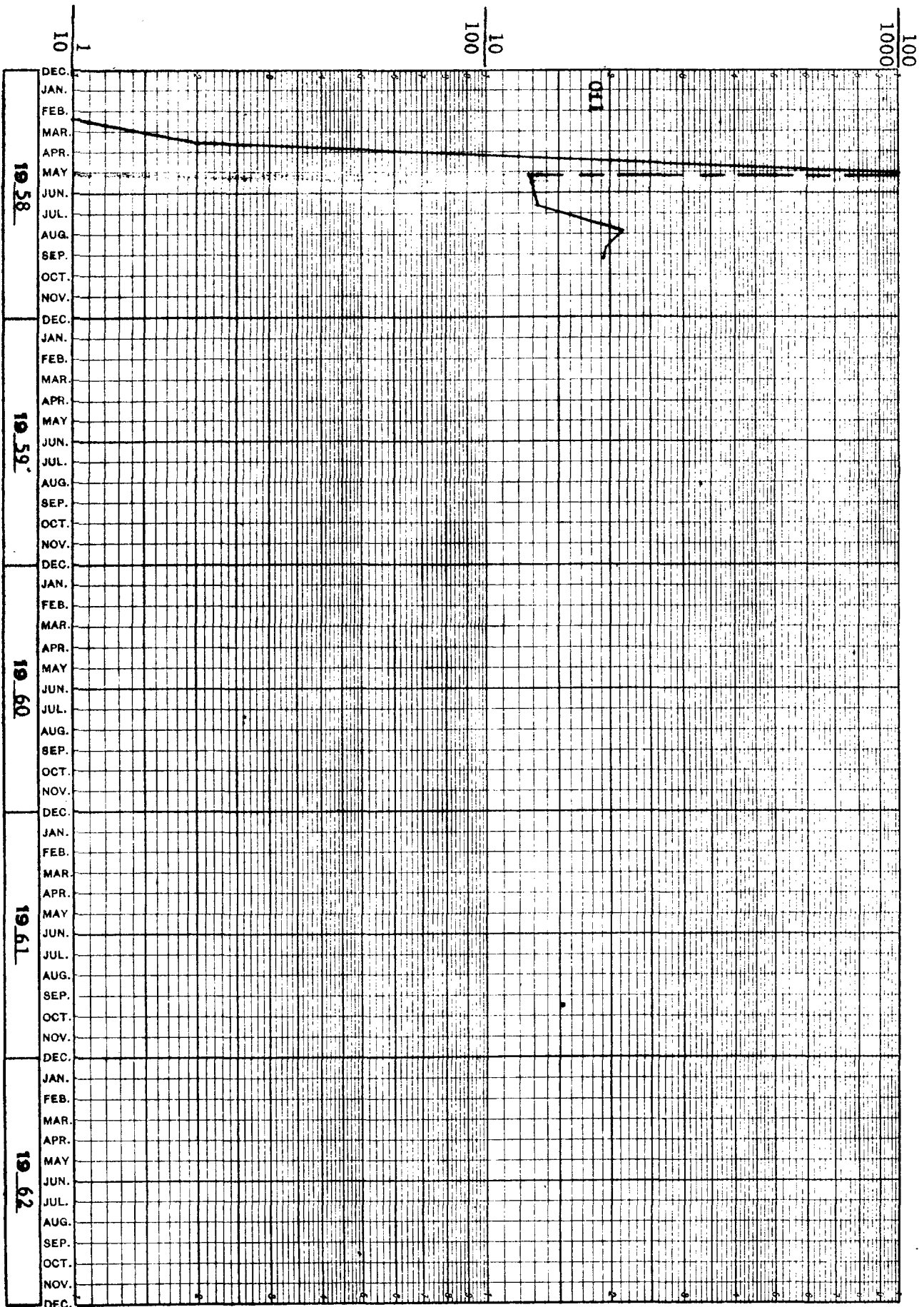
WELCH DUKE STATE NO. 3

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Hut EXHIBIT NO. 3
CASE NO. 1196

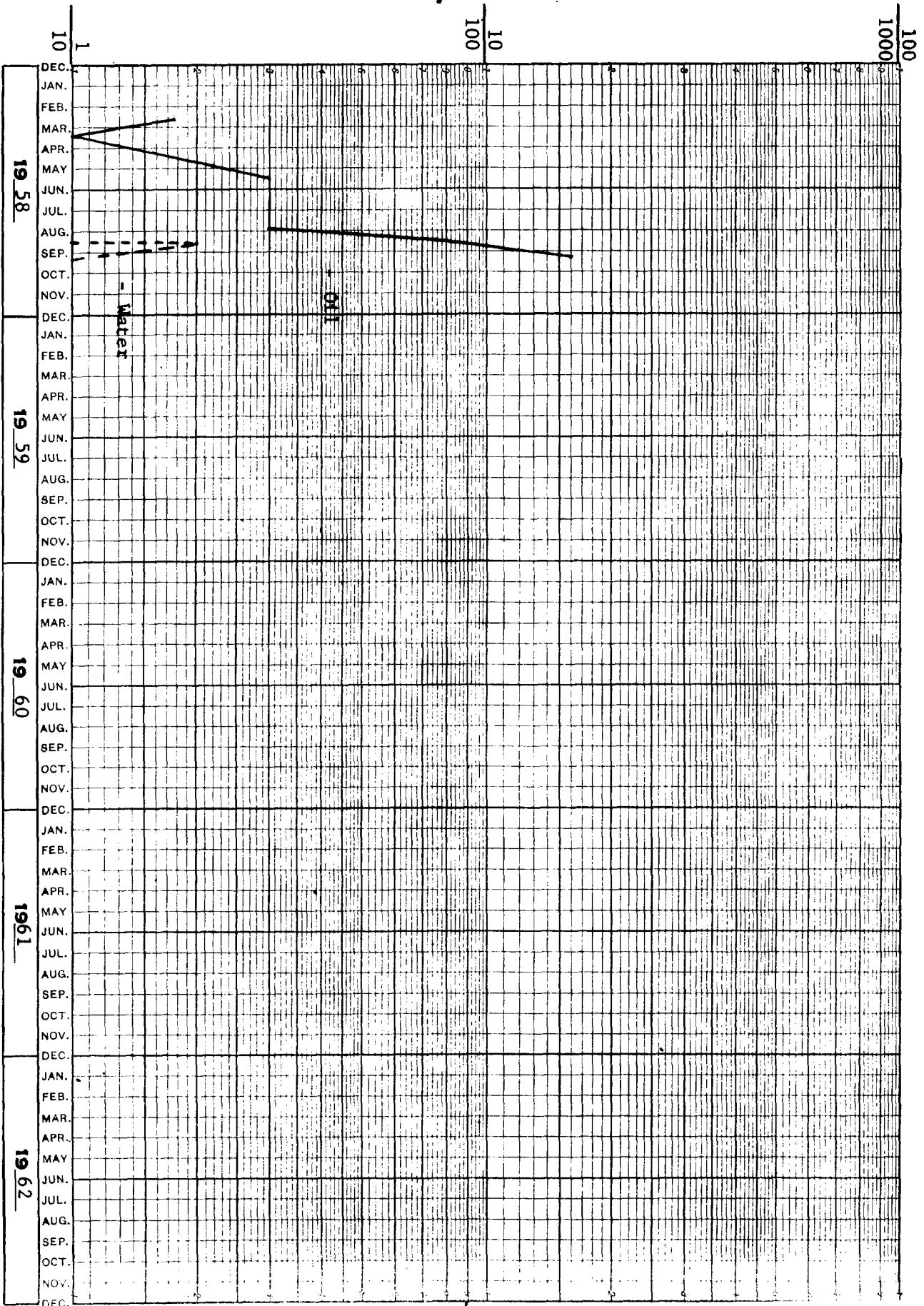
OIL AND WATER PRODUCTION, B/D



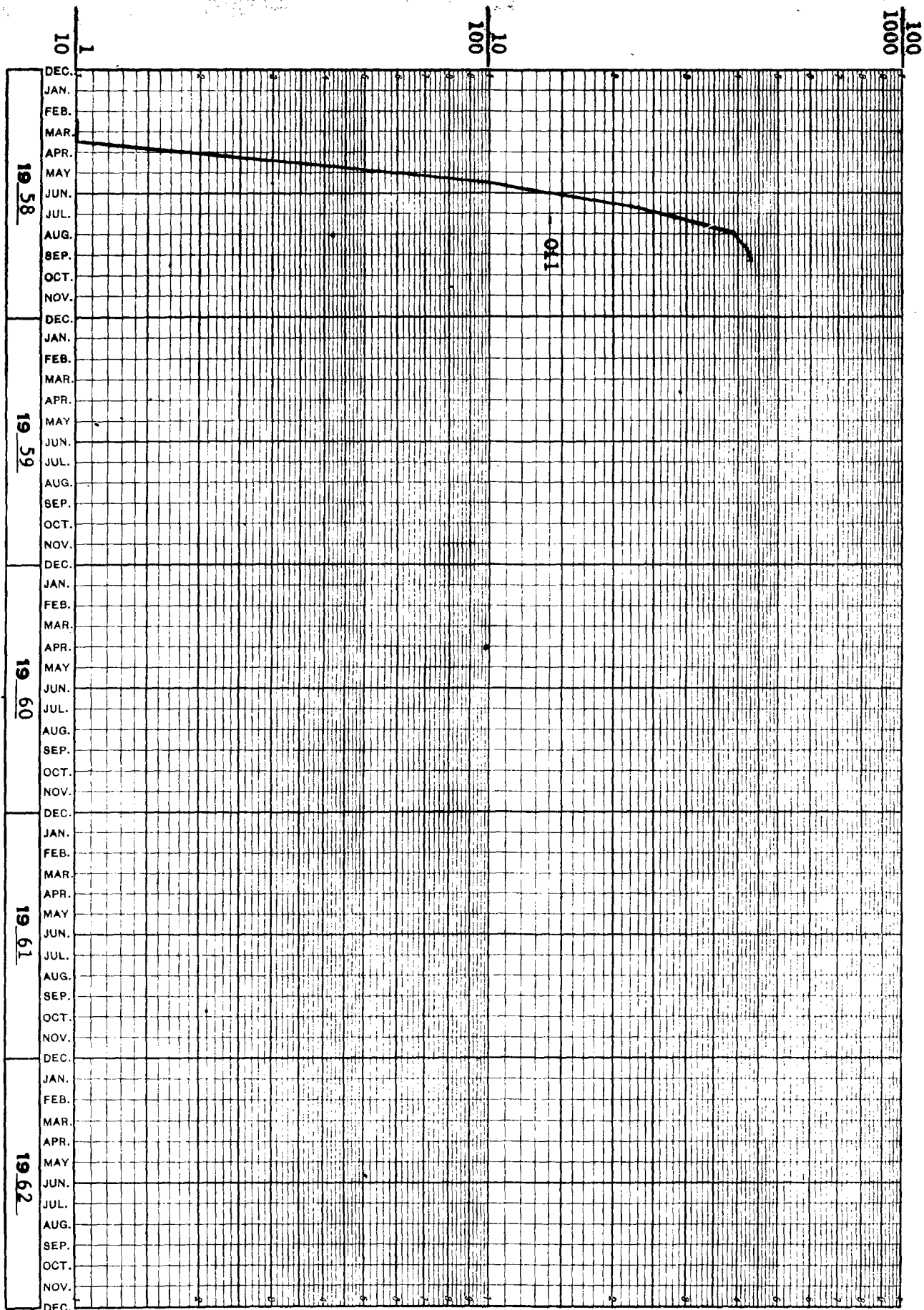
OIL AND WATER PRODUCTION, B/D



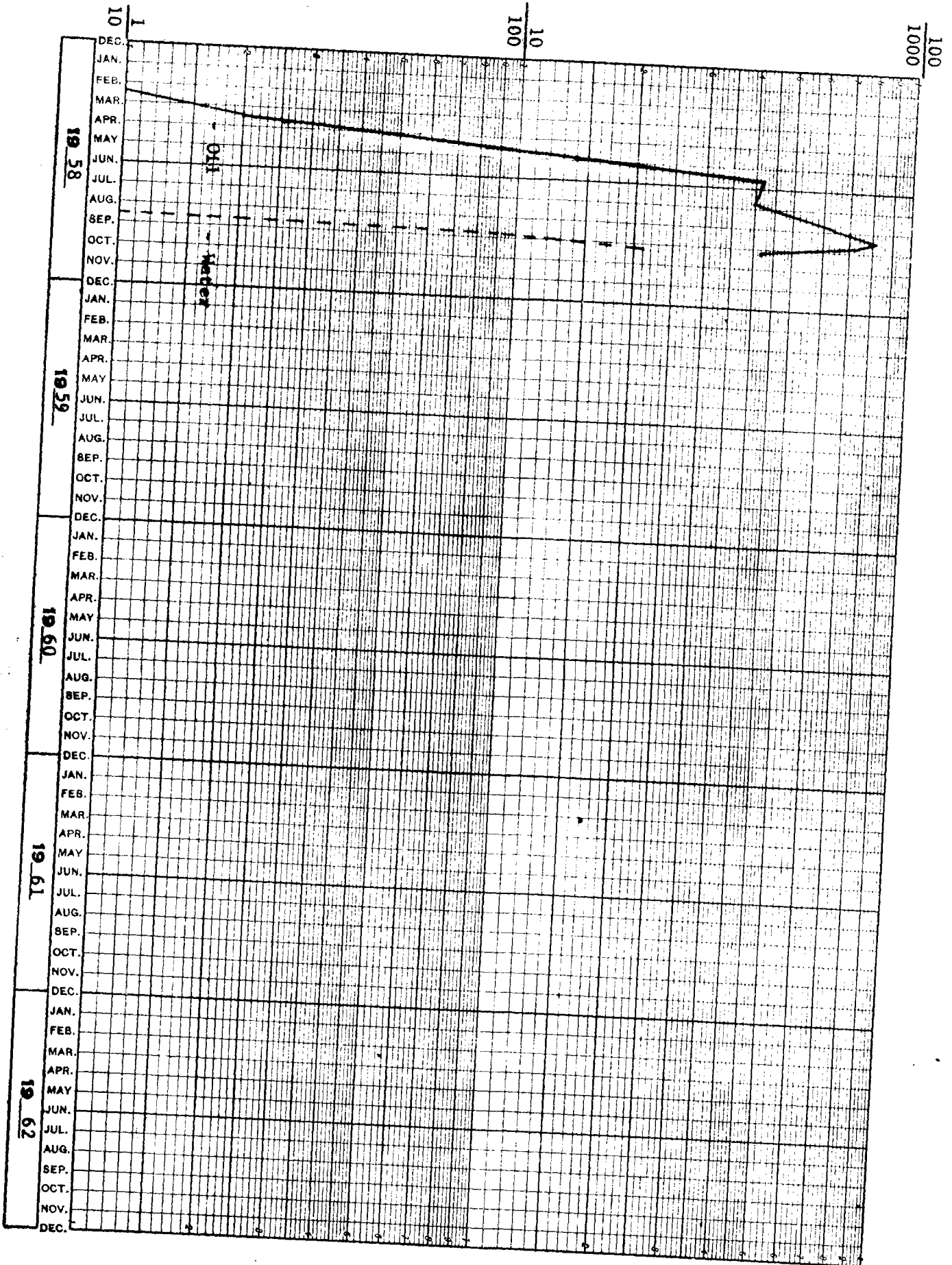
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OIL AND WATER PRODUCTION, 2/3



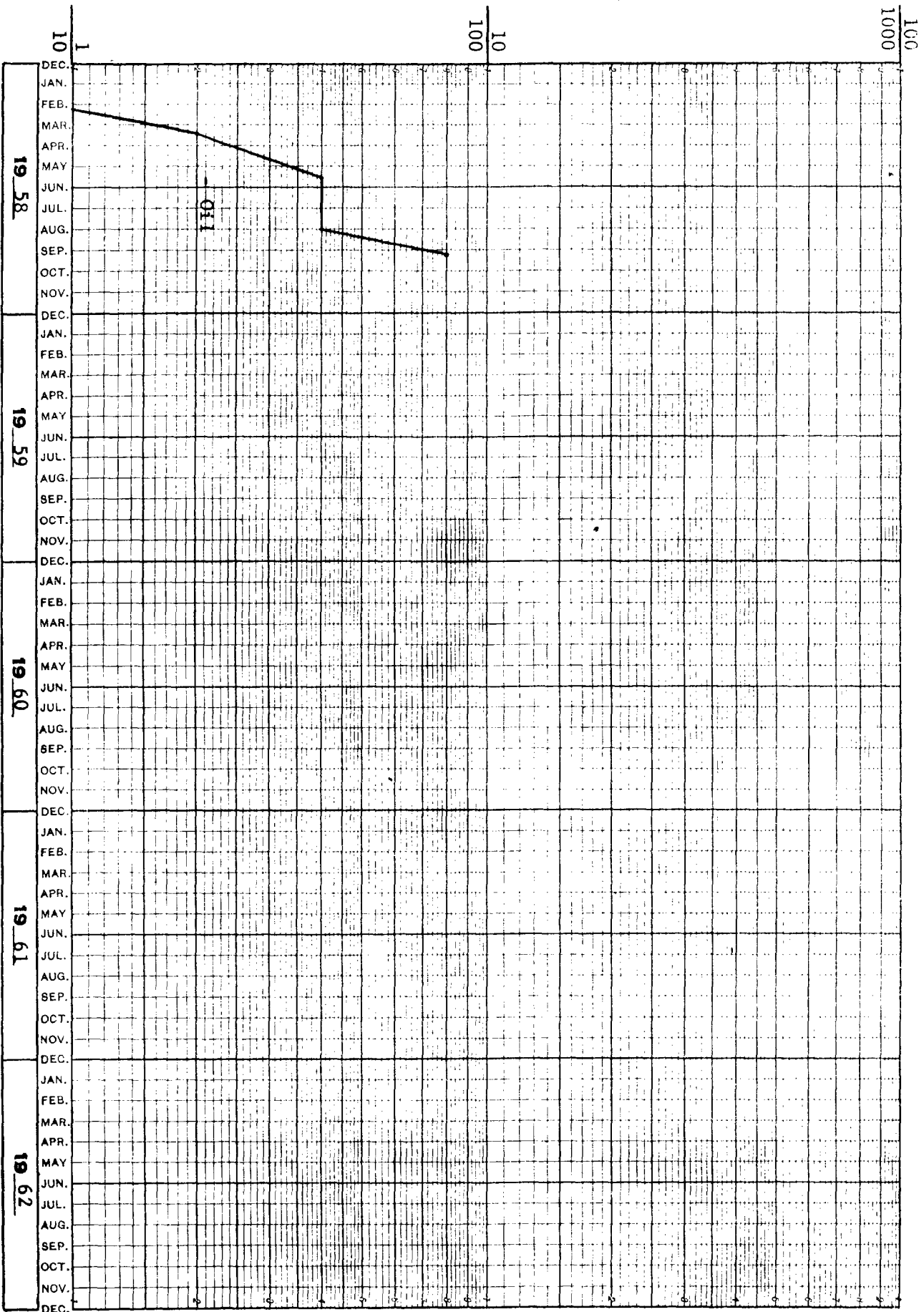
OIL AND WATER PRODUCTION, B/D



CODEx BOOK COMPANY, INC. NORWOOD, MASSACHUSETTS

MCNULTY STATE NO. 3

OIL AND WATER PRODUCTION, B/D



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NO. 31121. FIVE YEARS BY MONTHS X 2 3-INCH CYCLES RATIO RULING.

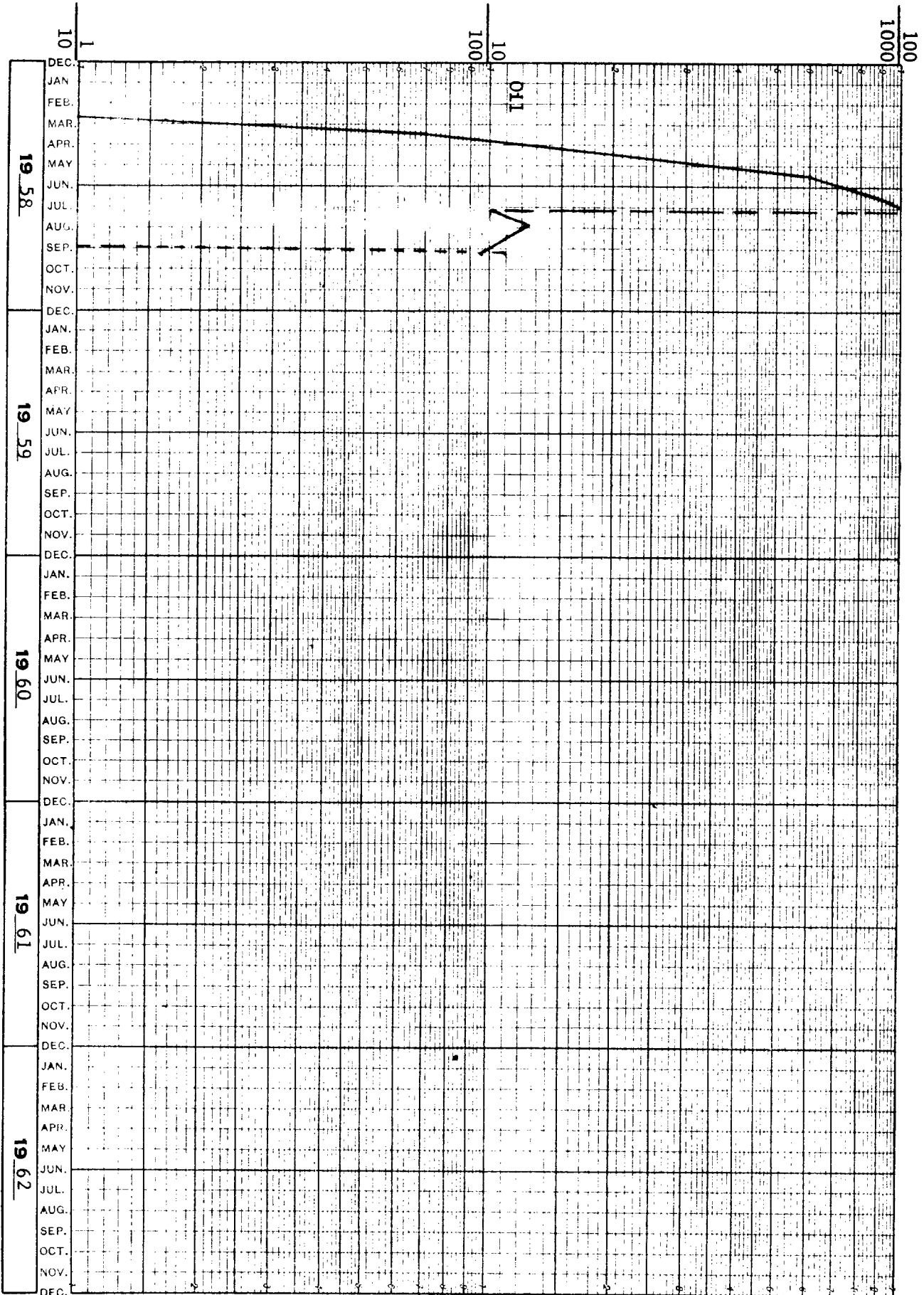


COLEX BOOK COMPANY, INC. INDEPENDENT

MCNUTT STATE NO. 4

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OIL AND WATER PRODUCTION, B/D

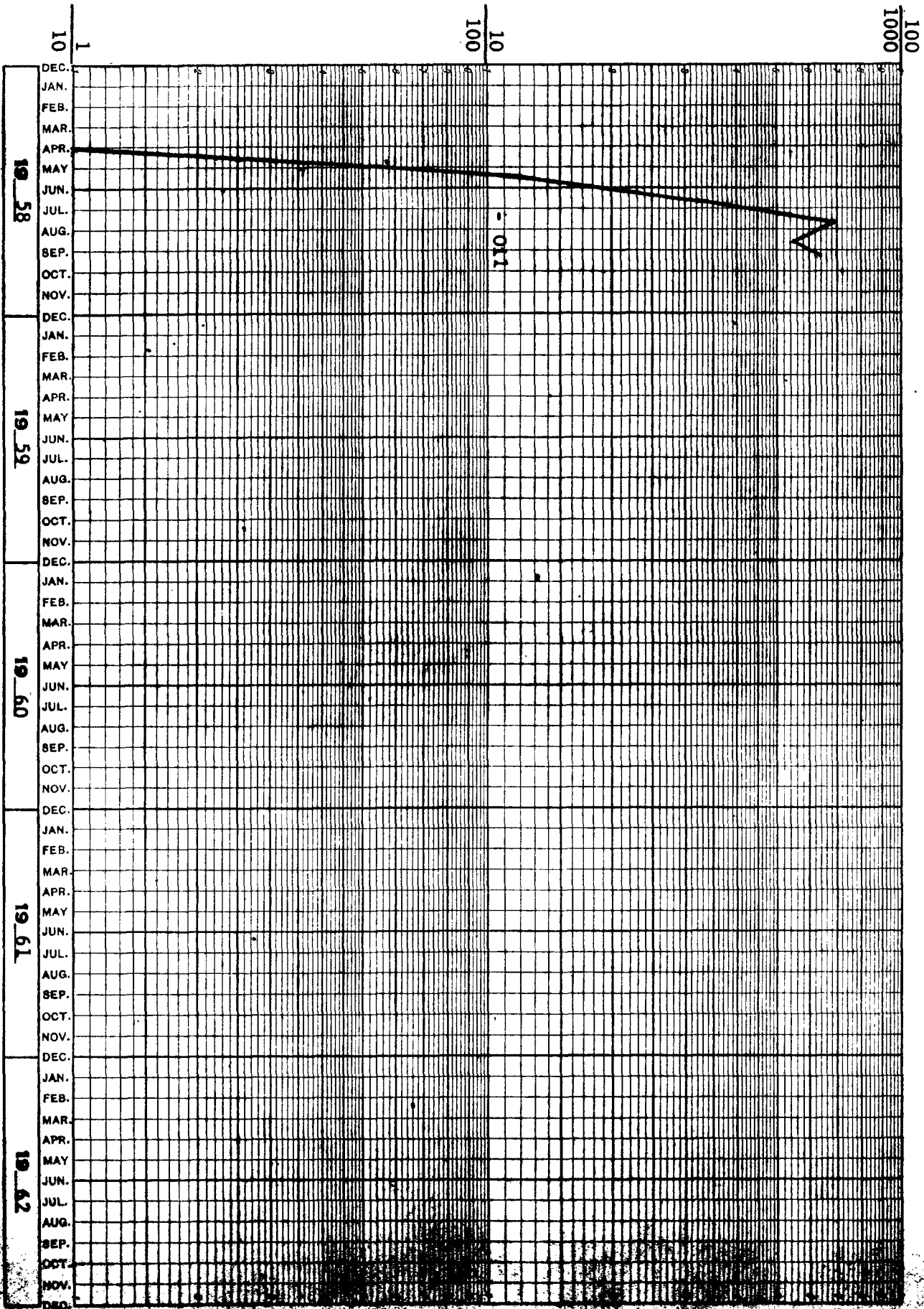




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OIL AND WATER PRODUCTION, B/D



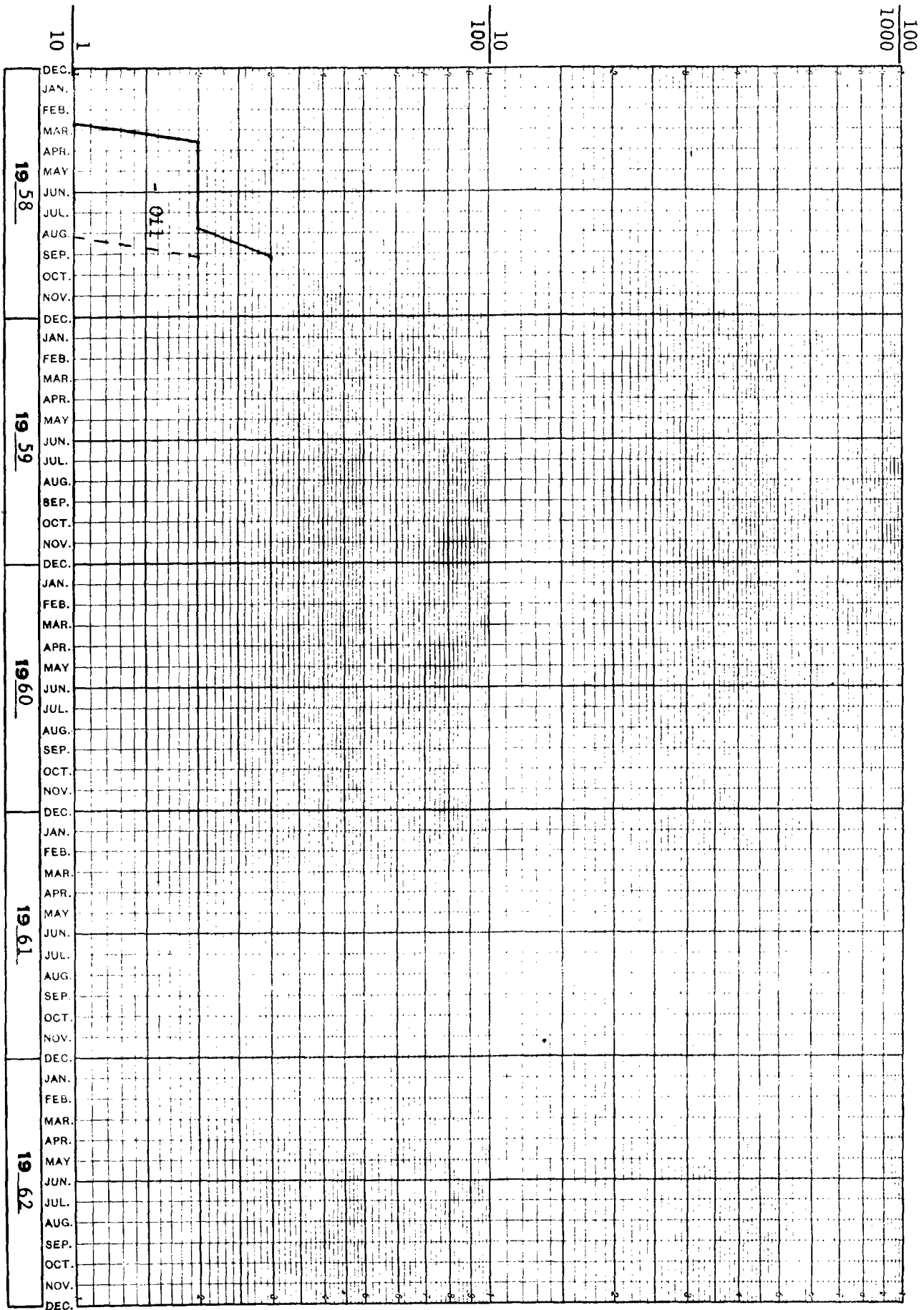
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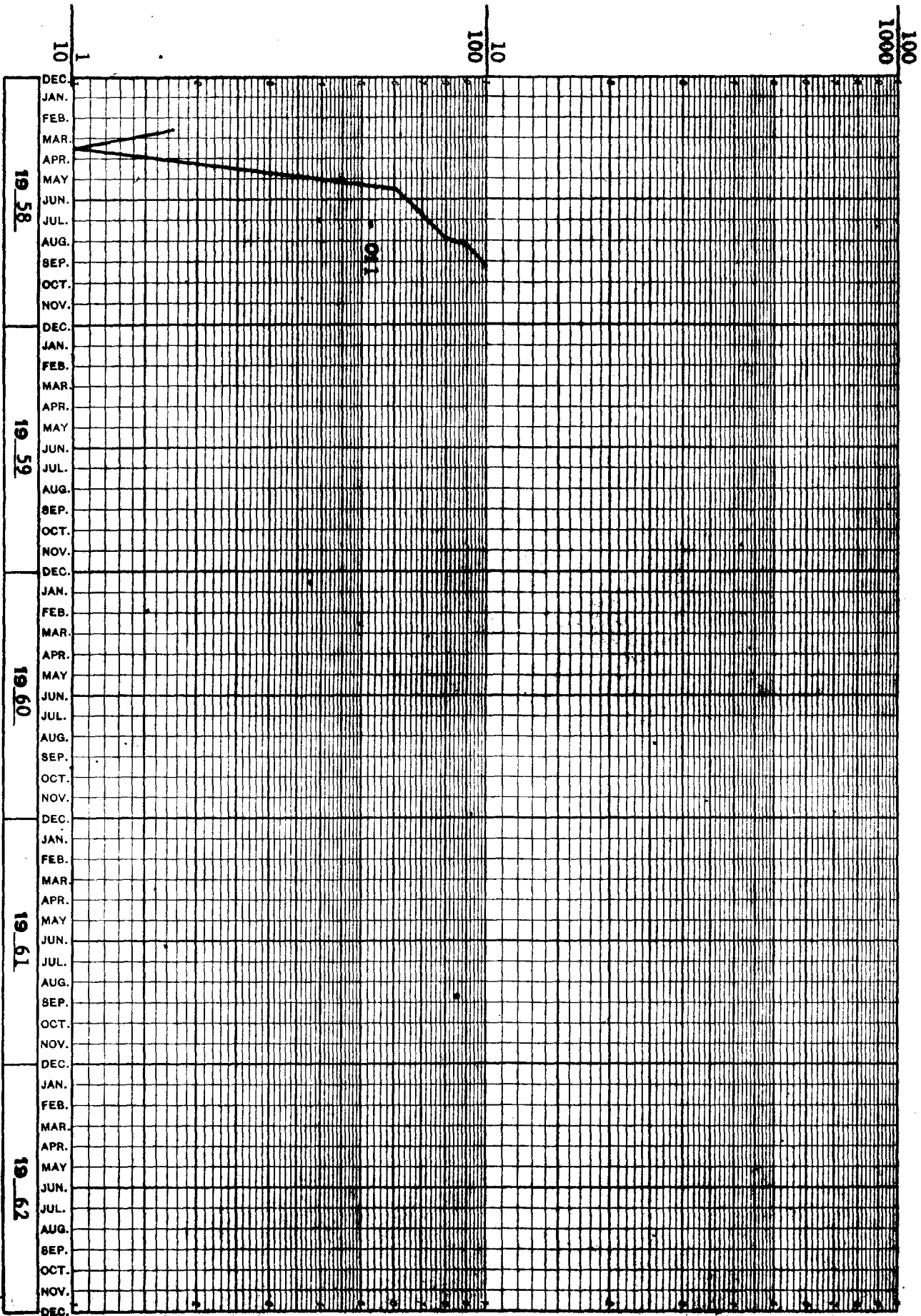
CODER BOOK COMPANY, INC. HONOLULU, HAWAII

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OIL AND WATER PRODUCTION, B/D

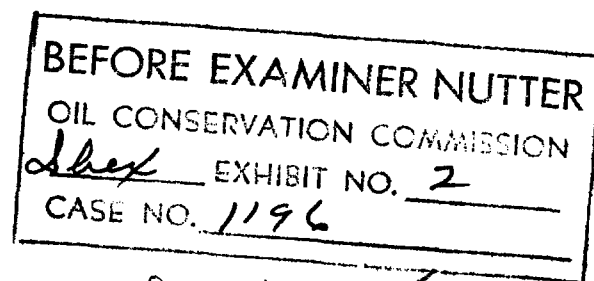


OIL AND WATER PRODUCTION, B/D



THE IBEX COMPANY
ARTESIA PILOT FLOOD NO. 2
INJECTION WELL DATA
AUGUST, 1958

Lease	Well No.	Injection B/Mo	Volumes B/D	Avg. Inj. Press. Psi.	Cumulative Injection, Bbls.
McNutt State	2	8163	264	1000	94,467
Welch Duke State	5	8829	285	1060	83,399
Welch Duke State	7	10,192	329	960	95,163
Resler Yates State	13	7808	252	1040	73,033
Resler Yates State	18	7461	241	1020	73,872
Resler Yates State	51	5030	162	1060	62,663
TOTALS:		47,483	1,533	1,023 (Avg.)	482,597



Sept 10 58