

ZIGLER SERV'ING COMPANY

No 3273 A

Box 482

Phone 483-2041

Russell, Kansas 67665

~~7-23~~ 23-24-25-26-28, 1969

Company Alan Ruse Order No. _____
 Address _____ State _____
 Lease Pecaris Well No. 4
 Nature of Job Double Drum
 Specify Condition Found _____

WELL RECORD

Material Pulled		Material Run	
Rod Sub _____	Size _____	Rod Sub <u>1-2'-1-4'-1-8'</u>	Size <u>3/4"</u>
Rod _____	Size _____	Rod <u>112</u>	Size <u>3/8"</u>
Pump No. _____	Size _____	Pump No. _____	Size <u>2" X 1 1/2" X 10'</u>
Gas Anchor Size _____	Length _____	Gas Anchor Size <u>1"</u>	Length <u>6'</u>
Tubing Sub _____	Size _____	Tubing Sub _____	Size _____
Tubing _____	Size _____	Tubing <u>90</u>	Size <u>2" EUEBR</u>
Seating Nipple Size _____	Length _____	Seating Nipple Size <u>2"</u>	Length <u>12"</u>
Mud Anchor Size _____		Mud Anchor Size <u>2" X 8' P.C.</u>	<u>3' Perforation</u>
Equipment Removed _____		Material Used _____	

	Hrs.	Per Hr.	Amount
Unit and Driver			
Power Tong <u>and Double Drum unit</u>	<u>4 1/2</u>	<u>10.50</u>	<u>477.75</u>
Labor			
<u>J. Murner</u>	<u>4 1/2</u>	<u>3.60</u>	<u>163.80</u>
<u>N. C. Crafty</u>	<u>4 1/2</u>	<u>3.20</u>	<u>145.60</u>
<u>L. Schuck</u>	<u>4 1/2</u>	<u>3.20</u>	<u>145.60</u>

7-23 Remarks: Set in unit and rigged up. Log well. Total 932.75
 down to 3200' Perforated well.
 7-24. Suck well down. Set Retainable Plug. Perforate well. Acidize and Pump
 7-25. Suck and test well. Got ready to Run tubing.
 7-26. Run in and check fluid. Run in and Pick up Retainable
 Plug. Set Permanent Baker Plug. Tally and run tubing. Space
 tubing 7' off bottom.
 7-28 Rigged up for rods. Run rods. Space well. Clamp well off.
 Had to clear all pin and boxes on rods.
 Fore hour and moved out.

ACID ENGINEERS, I. D.

TREATMENT REPORT

Invoice No. 16015 Station Great Bend, Kansas Date July 24, 1969

Owner Glen Rupe Lease Pekarek Well No. 4

Pool _____ County Ellsworth State Kansas

Loc. 20-14-10W Formation Lansing & Kansas City

Pipe Data—		Perforating Data—		Production—	
T.D. <u>2945</u>	P.B. <u>2900</u>	Shots/Ft. _____		Oil _____	Water _____
Csg. Size <u>4½"</u>	Wt. <u>9.5#</u>	From <u>2822</u>	To <u>2828</u>	Present _____	
Csg. Depth <u>2945</u>	Sks. Cement _____	From _____	To _____	Previous Treatments	
Tbg. Size _____	Depth _____	From _____	To _____	<u>new perfs.</u>	
Packer Type <u>Baker BP</u>	Annulus Vol. _____	From _____	To _____		
Csg. Vol. <u>46 bbl.</u>	Tbg. Vol. _____	From _____	To _____		

Detailed Record of Treatment

Materials Used

Quan.	Type	Quan.	Type
1,000 gallon	S-15% Acid w/	NE-2	
250 gallon	SME 15% Acid		

Fluids Used:

Acid	30 bbl.
Breakdown	
Frac	
Flush	30 bbl.

Time	Pressure		Bbls. of Fluid			Remarks
	Csg.	Tbg.	Out of Tanks	In Form.	Inj. Rate	
6:55						start 250 gal. SME Acid down casing
6:58			6			start 1,000 gallon 15% Acid
7:02			30			all acid in, start water
7:17	500		46			casing loaded, stop pump
7:18	250					start pump
7:18½	350					formation break
7:19	150					speed pump
7:24	100		70	30	6	all acid displaced complete
	50					immediate shut in pressure
	vac					1 minute pressure drop.

Arrival Date 7-24-69 Time 5:00PM Left Location: Date 7-24-69 Time 8:00PM Round Trip Miles 120

(See Reverse Side for Additional Treatment Remarks)

Equipment Used

Name	Unit No.	Name	Unit No.
Nagel	143		
Leatherman	393		

Treatment Resume

Avg. Inj. Rate	6	BPM
Avg. Trt. Press.	100	psi
Hydraulic HP Used		
Total Fluid Pumped	70 bbls.	
Maximum Pressure	500	psi
Minimum Pressure	100	psi
I. S. I. P.	50	psi

Glen Rupe

J. D. Strunk

Bill Leatherman.

Owner's Representative

Station Manager

Service Engineer

ACID ENGINEERS, I. C.

TREATMENT REPORT

Invoice No. 16015 Station Great Bend, Kansas Date July 24, 1969

Owner Glen Rupe Lease Pekarek Well No. 4

Pool _____ County Ellsworth State Kansas

Loc. 20-14-10W Formation Lansing & Kansas City

Pipe Data—		Perforating Data—		Production—	
T.D. <u>2945</u>	P.B. <u>2900</u>	Shots/Ft. _____		Oil _____	Water _____
Csg. Size <u>4½"</u>	Wt. <u>9.5#</u>	From <u>2822</u>	To <u>2828</u>	Present _____	
Csg. Depth <u>2945</u>	Sks. Cement _____	From _____	To _____	Previous Treatments	
Tbg. Size _____	Depth _____	From _____	To _____	new perms.	
Packer Type <u>Baker BP</u>	Annulus Vol. _____	From _____	To _____		
Csg. Vol. <u>46 bbl.</u>	Tbg. Vol. _____	From _____	To _____		

Detailed Record of Treatment

Materials Used

Quan.	Type	Quan.	Type
1,000 gallon	S-15% Acid w/NE-2		
250 gallon	SME 15% Acid		

Fluids Used:

Acid	30 bbl.
Breakdown	
Frac	
Flush	30 bbl.

Time	Pressure		Bbls. of Fluid			Remarks
	Csg.	Tbg.	Out of Tanks	In Form.	Inj. Rate	
6:55						start 250 gal. SME Acid down casing
6:58			6			start 1,000 gallon 15% Acid
7:02			30			all acid in, start water
7:17	500		46			casing loaded, stop pump
7:18	250					start pump
7:18½	350					formation break
7:19	150					speed pump
7:24	100		70	30	6	all acid displaced complete
	50					immediate shut in pressure
	vac					1 minute pressure drop.

Arrival Date 7-24-69 Time 5:00PM Left Location: Date 7-24-69 Time 8:00PM Round Trip Miles 120

(See Reverse Side for Additional Treatment Remarks)

Equipment Used

Name	Unit No.	Name	Unit No.
Nagel	143		
Leatherman	393		

Treatment Resume

Avg. Inj. Rate	6	BPM
Avg. Trt. Press.	100	psi
Hydraulic HP Used		
Total Fluid Pumped	70 bbls.	
Maximum Pressure	500	psi
Minimum Pressure	100	psi
I. S. I. P.	50	psi

Glen Rupe

J. D. Strunk

Bill Leatherman.

Owner's Representative

Station Manager

Service Engineer

ACID ENGINEERS, . .c.

TREATMENT REPORT

Invoice No. 17991 Station Great Bend Date June 7, 19 71

Owner Glen N. Rupe Lease Parherek Well No. 4

Pool Wilson Creek County Ellsworth State Kansas

Loc. 20-14s-10w Formation Kansas City

Pipe Data—		Perforating Data—		Production—	
T.D. _____	P.B. <u>2860</u>	Shots/Ft. _____		Oil _____	Water _____
Csg. Size <u>4 1/2" O.D.</u>	Wt. <u>9 1/2#</u>	From <u>2822</u>	To <u>2828</u>	Present _____	
Csg. Depth <u>2943</u>	Sks. Cement _____	From _____	To _____	Previous Treatments	
Tbg. Size <u>2" eue</u>	Depth <u>2853</u>	From _____	To _____	<u>1,250 gal. acid</u>	
Packer Type <u>x</u>	Annulus Vol. <u>31 bbl.</u>	From _____	To _____		
Csg. Vol. _____	Tbg. Vol. <u>11 bbl.</u>	From _____	To _____		

Detailed Record of Treatment

Materials Used

Quan.	Type	Quan.	Type
2,000 gals.	S-28% w/AS-1		
1,500 gal.	H-T 300 Gel Water		
10 gal.	Adomall		

Fluids Used:

Acid	48 bbl.
Breakdown	50 bbl.
Frac	36 bbl.
Flush	90 bbl.

Total 224 bbl.

Time	Pressure Csg.	Pressure Tbg.	Bbls. of Fluid		Inj. Rate	Remarks
			Out of Tanks	In Form.		
						Close in tubing
						Start lease water w/adomall down annulus
12:56	25	0	45	3	4 1/2	Ann. loaded w/slight press. Speed pump
12:57	50	0	50	8	5	50 bbl. water in, start HT-300 Gel
1:59	100	50	60	18	5	Press Climb, Speed pump
1:04	200	100	86	44	6	Press. steady, 1500 gal. HT-300 in St. Acid
1:09	175	100	116	74	6	Press. start drop, acid on botbom
1:10	100	100	122	80	6	Pressure steady
1:12	100	100	134	92	6	2000 gal. acid in, start water w/adomall
1:20	100	100	182	140	6	48 bbl water w/adomall in
1:25	150	100	210	172	6	32 bbl flush down ann. Stop
	50	75				Immediate pressure drop
1:26	VAC	50				1 min. press drop Close ann. in
1:36	VAC	50				Start water dwn tbg.
1:38	VAC	50	224	182	5	10 bbl water w/adomall down tbg. Complete
Arrival Date <u>6-7</u> Time <u>10:30AM</u> Left Location: Date <u>6-7</u> Time <u>2 PM</u> Round Trip Miles <u>90</u>						
(See Reverse Side for Additional Treatment Remarks)						
1:39	VAC	VAC				1 min. press. drop

Equipment Used

Name	Unit No.	Name	Unit No.
Bob	141		
Dale	148,223		
Jime	303		

Treatment Resume

Avg. Inj. Rate	6	BPM
Avg. Trt. Press.	150	psi
Hydraulic HP Used		
Total Fluid Pumped	224 bbl.	
Maximum Pressure	200	psi
Minimum Pressure	0	psi
I. S. I. P.	50	psi

Owner's Representative Virgil Nelson

Station Manager J. D. Strunk

Service Engineer J. D. Strunk

(Treatment Schedule)

Time	Pressure		Bbls. of Fluid		Remarks
	Csg.	Tbg.	Out of Tanks	In Form.	
1:00					
1:05					
1:10					
1:15					
1:20					
1:25					
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12:00					

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3300

3300

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50-TON

17500 GROSS

6700 W. 2000

17500

GROSS 2000

17500

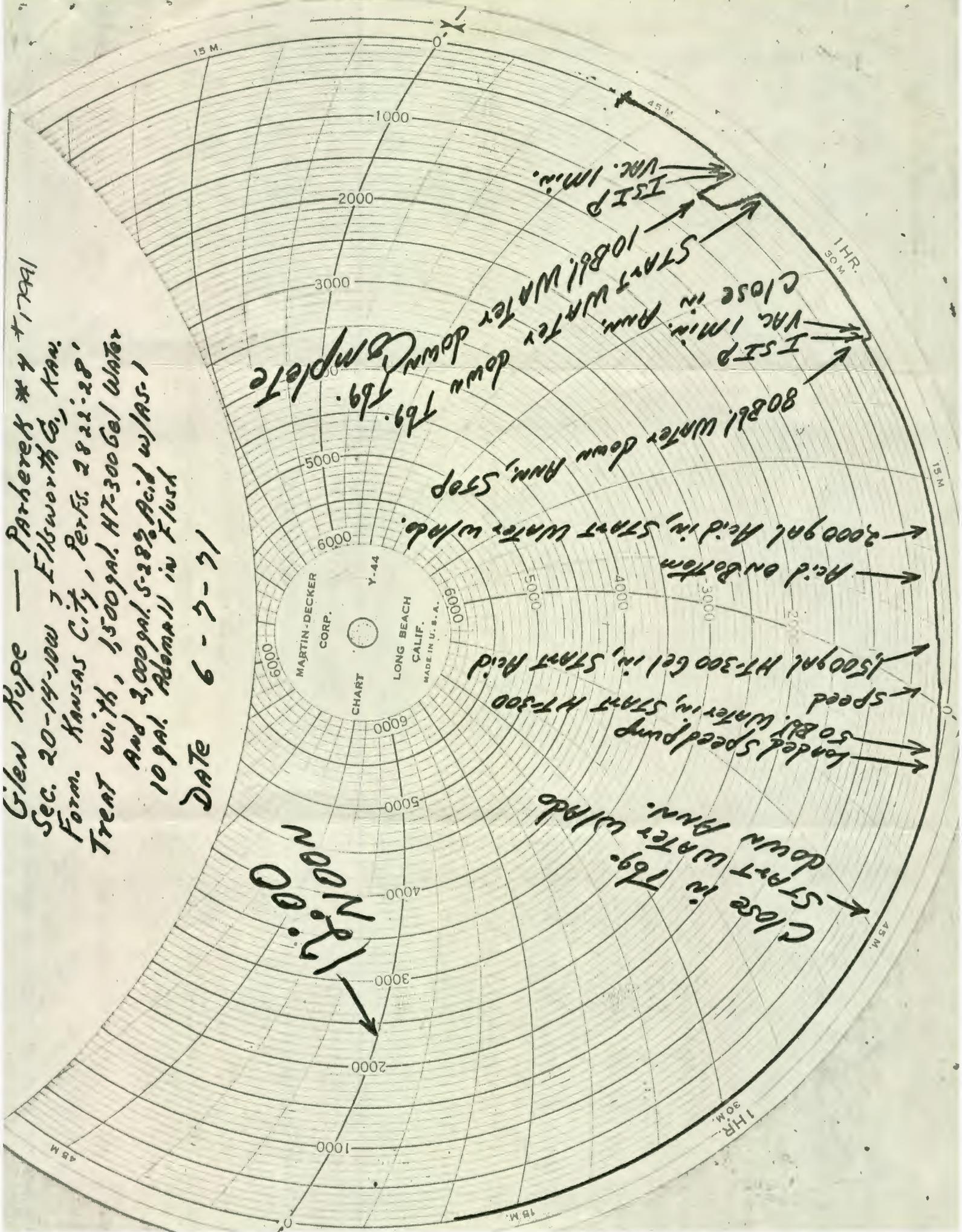
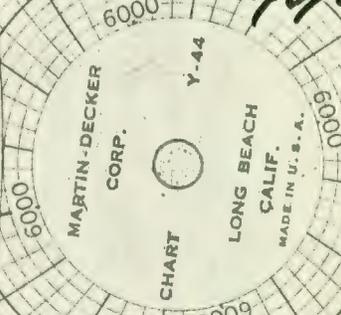
MECHANICAL WORKS

VOID ENGINEERS

Glen Rupe — Parkers #4 + 179A
 Sec. 20-14-10W, Elkworth Co., Kan.
 Form. Kansas City, Perf. 2822-28'
 Treat with, 1500 gal. HT-300 Gel Water
 And 2,000 gal. 5.28% Acid w/AS-1
 10 gal. Adomall in Flush
 DATE 6-7-71

12:00 Noon
 →

Close in 79.769
 Start water flush
 down Ann.
 Loaded speed pump
 5000 water in, start HT-300
 speed
 1500 gal HT-300 gel in, start Acid
 Acid on bottom
 2000 gal Acid in, start water flush.
 8000 water down Ann, stop
 ISIP
 vac 1 min.
 Close in
 Ann.
 Start water
 flush
 10000 water
 down Ann.
 ISIP
 vac 1 min.



Glen Rope — Parker #4 + Trial
 Sec. 20-14-10w, Ellsworth Co., Kan.
 Form. Kansas City, Perfs. 2822.28'
 Treat with, 1500 gal. HT-300 Gal Water
 And 2,000 gal. 5.28% Acid w/RS-1
 10 gal. Admali in Flush
 Date 6-7-71

12:00
 Noon

Close in 79.
 Start water w/ads
 down Ann.

Loaded Speed pump
 50 Bbl. Water; Start HT-300
 Speed

1500 gal HT-300 Gel in; Start Acid

Acid on bottom

3000 gal Acid in; Start water w/ads.

80 Bbl. Water down Ann; Stop

Close in 79.
 Complete

Start 10 Bbl. Water down Ann; Ter

Close in 79.
 Start 10 Bbl. Water down Ann; Ter
 I.S.I.P. Vac. 1 min.

1 HR.

1 HR.
 30 M

15 M

1000

2000

3000

4000

5000

6000

CHART

6000

5000

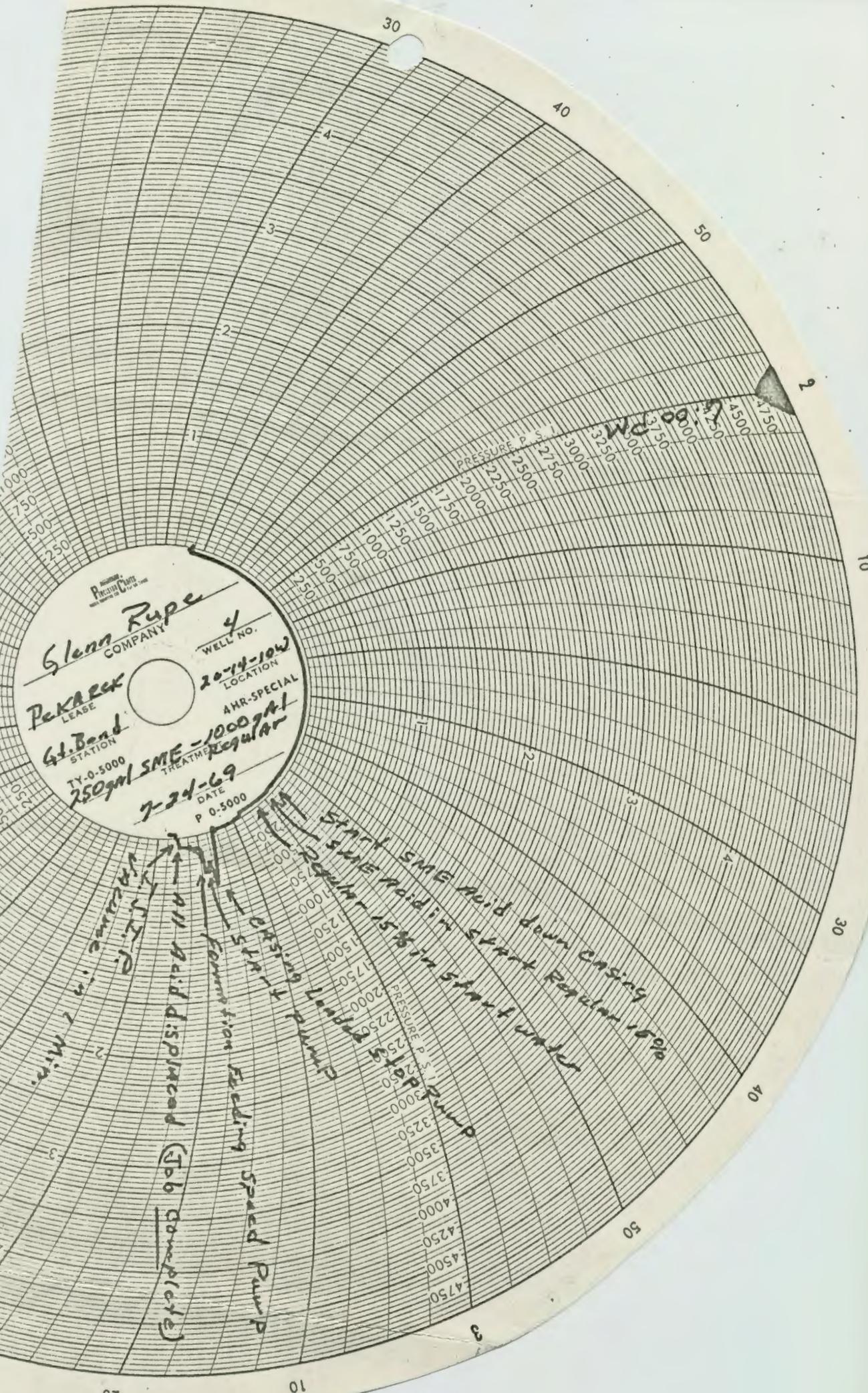
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2000

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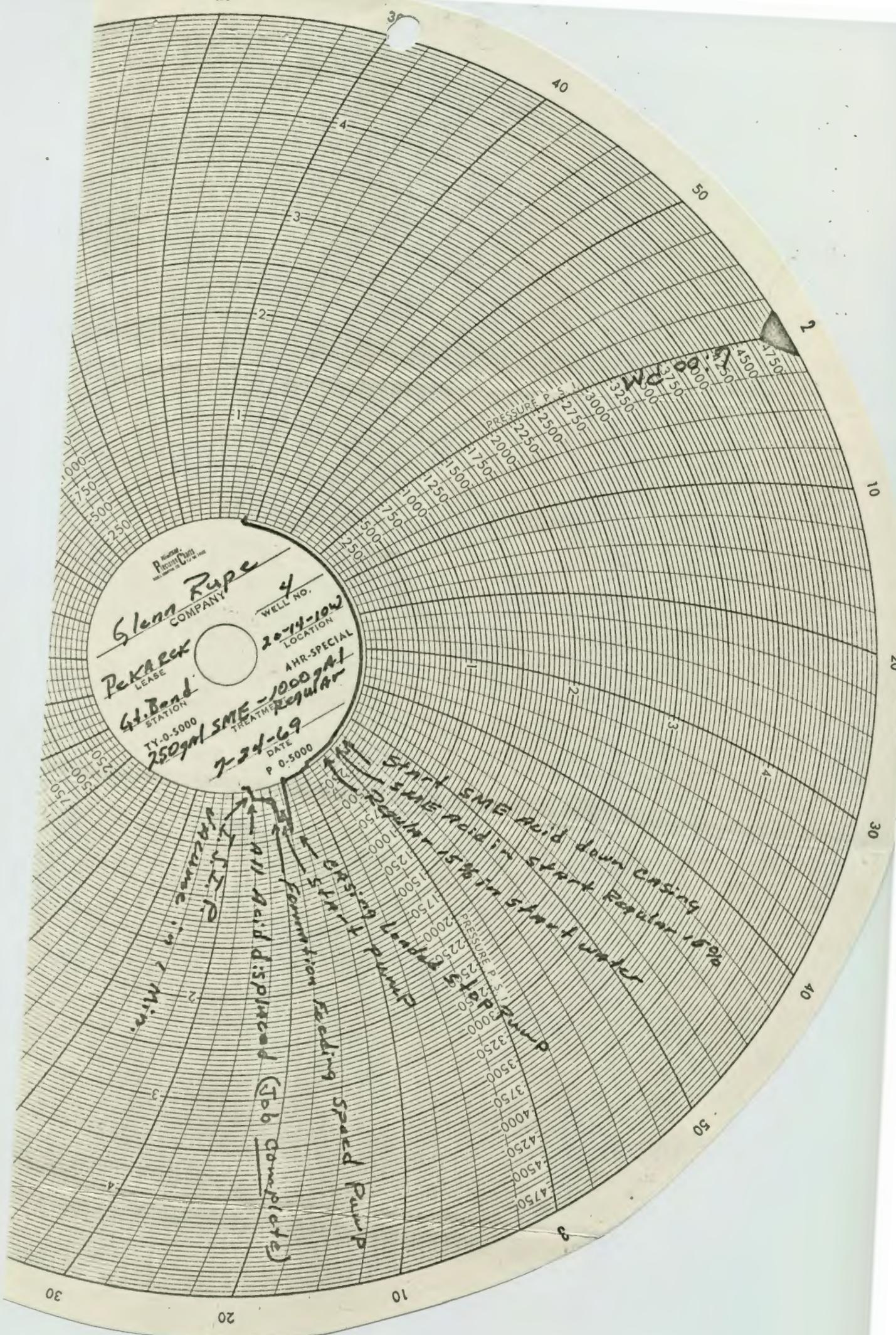
MARTIN-DECKER
 CORP.
 CHART
 Y-44
 LONG BEACH
 CALIF.
 MADE IN U.S.A.



Glenn Rupe
 COMPANY
 WELL NO. 4
 LOCATION 2074-104
 LEASE PEKAREK
 4HR-SPECIAL
 STATION 64 Bond
 TY-0-5000
 TREATMENT 250gal SME-1000gal Regular
 DATE 7-24-69
 P 0-5000

Start SME Acid down casing
 SME Acid in start Regular 15%
 Pressure down casing
 Start 15 min
 Formation Sealing Speed Pump
 All Acid displaced (Job complete)

Start SME Acid down casing
 SME Acid in start Regular 15%
 Pressure down casing
 Start 15 min
 Formation Sealing Speed Pump



Glenn Rupe
 COMPANY
 WELL NO. 4
 20-14-104
 LOCATION
 Pekarek
 LEASE
 AHR-SPECIAL
 STATION
 4th. Bond
 750gal SME - 1000gal
 TREATMENT
 Regular
 7-24-69
 DATE
 TY-O-5000
 P O-5000

Start SME Acid down casing
 SME Acid in start Regular 15%
 SME Acid in start water
 Pressure in 1 Min.
 Formation Feeding Speed Pump
 Job complete