

T.G. EASTLAND — testers Ltd.

R.R. No. 6, NORTH EDMONTON, ALBERTA

Test No. 3

Date Mar. 10/71

Ticket No. 1678

SERVICE REPORT

WELL NAME SOBC W.m. E. Porcupine YTL-13 ADDRESS 400 5 Avenue S.W. Calgary
 AREA Eagle Plains L.S.D. 66° 02' N 137° 46' W INVOICE TO Chevron Standard Limited
 CONTR. & RIG No. G.P. #14 T/PUSH D. Tegukamp CUSTOMER'S REPRESENTATIVE R. Hansen

Date & Time Requested <u>on lease</u>		DESCRIPTION OF BLOW DURING TEST				TOOL SEQUENCE & EQUIP. USED		
Call <u>7 am</u> Arr. <u>12:30 pm</u>	On Bott. <u>12:30 pm</u>	Weak air blow on preflow. Dead in 5 mins. in ISI. Very weak blow on flow period. Dead in 5 mins.				Tools	Length	O.D.
Start in <u>7 am</u>	On Bott. <u>12:30 pm</u>					Critical Flow Prover		
Pull Loose <u>3:25 pm</u>	Out Hole <u>10 pm</u>					Floor Manifold		
TESTING DATA						Meter Run		
Zone Tested <u>Blackie</u>	T.D. <u>3813</u>					Remote Control Head		
Interval <u>3629 to 3813</u>						Bar-dropper sub	yes	
Int. Casing: Size <u>13-3/8</u> Wgt. <u>54.5</u> grade <u>J55</u>		Blow Measured with: Pitot Tube <input type="checkbox"/>				Pump Out Sub	1.00	4-3/4
Feet of Main Hole <u>3813</u> Diam. <u>8-3/4</u>		Fluid Used: Water <input type="checkbox"/> Mercury <input type="checkbox"/> Side Static <input type="checkbox"/>				Cross Over Subs	1.85	6-1/8
Feet of Rat Hole _____	Diam. _____	Flow Prover <input type="checkbox"/> Gauge <input type="checkbox"/> Size Gauge _____ lbs.				Tight Hole Tool		
Type of Test <u>Dual bottom hole</u>		Time	Choke	Reading	MCF/Day	Dry Collar Valve		
Packers: No. <u>2</u> O.D. <u>7-3/4</u>		To weak to measure				Cross Over Sub	.40	5-3/4
Type of Packers <u>Conventional</u>						Test Assembly & EV	11.60	4-3/4
Drill Pipe: Size - Thread <u>4 1/2 FH</u>						Sampler	4.90	4-3/4
Drill Collars: I.D. <u>2-7/8</u> O.D. <u>7</u>						Jars & COS	8.70	5-3/4
No. Ft. Collars <u>279</u> D.P. <u>3534</u>						Straddle By-pass		
No. Feet Drill Pipe Above Table <u>15'</u>		FLUID RECOVERY (In Feet)				Safety Joint	1.70	4-3/4
Ft. & Type Cushion <u>nil</u>		Pipe <u>280</u>	Collars <u>305</u>	Total <u>585</u>		BC (in)	4.50	4-3/4
Was Tool Chased <u>Yes</u> No. Ft. <u>30'</u>		Mud <u>x</u>	Oil _____	Water _____		Packer <u>2</u>	10.60	7-3/4
Weight Set on Packers <u>30M</u>		Describe Fluids: _____				TOTAL	45.25	
Did Fluid Drop <u>Yes</u> No. Ft. <u>15'</u>						Packer end	.80	4-3/4
Describe <u>on preflow as tool was chased. Held good after.</u>						Perfs.	5.00	4-3/4
Preset <u>10</u> min. Time Tool Opened <u>12:45 pm</u>		Sampler Drained: On Location <input type="checkbox"/> Laboratory <input type="checkbox"/>				BC (out)	4.50	4-3/4
Preflow <u>10</u> min. Init. Shut-in <u>30</u> min.		Sampler Press. _____ lbs.				Perfs.	15.00	4-3/4
Flowed <u>60</u> min. Final Shut-in <u>60</u> min.		Bottom Hole Temp. _____ °F				COS & DC	157.19	7
Pull Loose <u>30M</u> lbs. Swabbing? <u>no</u>		Salinity of Recovery _____ P.P.M.				BN & Perf	2.50	4-3/4
Drilling Fluid Type <u>Gel chem</u>		Salinity of Mud Filtrate _____ P.P.M.						
Visc. <u>70</u> Wgt. <u>9.5</u> W.L. _____ F.C. <u>2/32</u>						TOTAL	184.99	

FIELD PRESSURE DATA		
Pressure Element No.	3469	3468
Element Capacity (paig)	5400	5450
Clock Speed (Hrs.)	24	24
Depth of Bellows	3614	3635
Position (Inside - Outside)	Inside	Outside
Initial Hydrostatic	1798	1753
Preflow Pressure	362	351
Initial Shut-In	775	755
First Flow—Choke Size	371	360
Second Shut-In		
Second Flow—Choke Size	913	896
Final Shut-In	1105	1073
Final Hydrostatic	N/A	N/A

TOTAL PICKED UP	
1. Cross-over sub to bottom of top rubbers	45.25
2. Bottom of top rubbers to top of lower	
3. Top of lower to bottom of lower rubbers	
4. Bottom of lower rubbers to Total Depth	
5. Bottom of top rubbers to Total Depth	184.99
(Delete measurement No. 5 if Straddle)	
(Delete No. 2 - 3 - 4 if Std. bottom hole)	
Total amount of customer's anchor	155.49
No. of Damaged Rubbers and Sizes	
No. Samplers Retained	No. of Reports Required <u>5</u>
Mileage: Highway	Bush
Waiting Time	Total

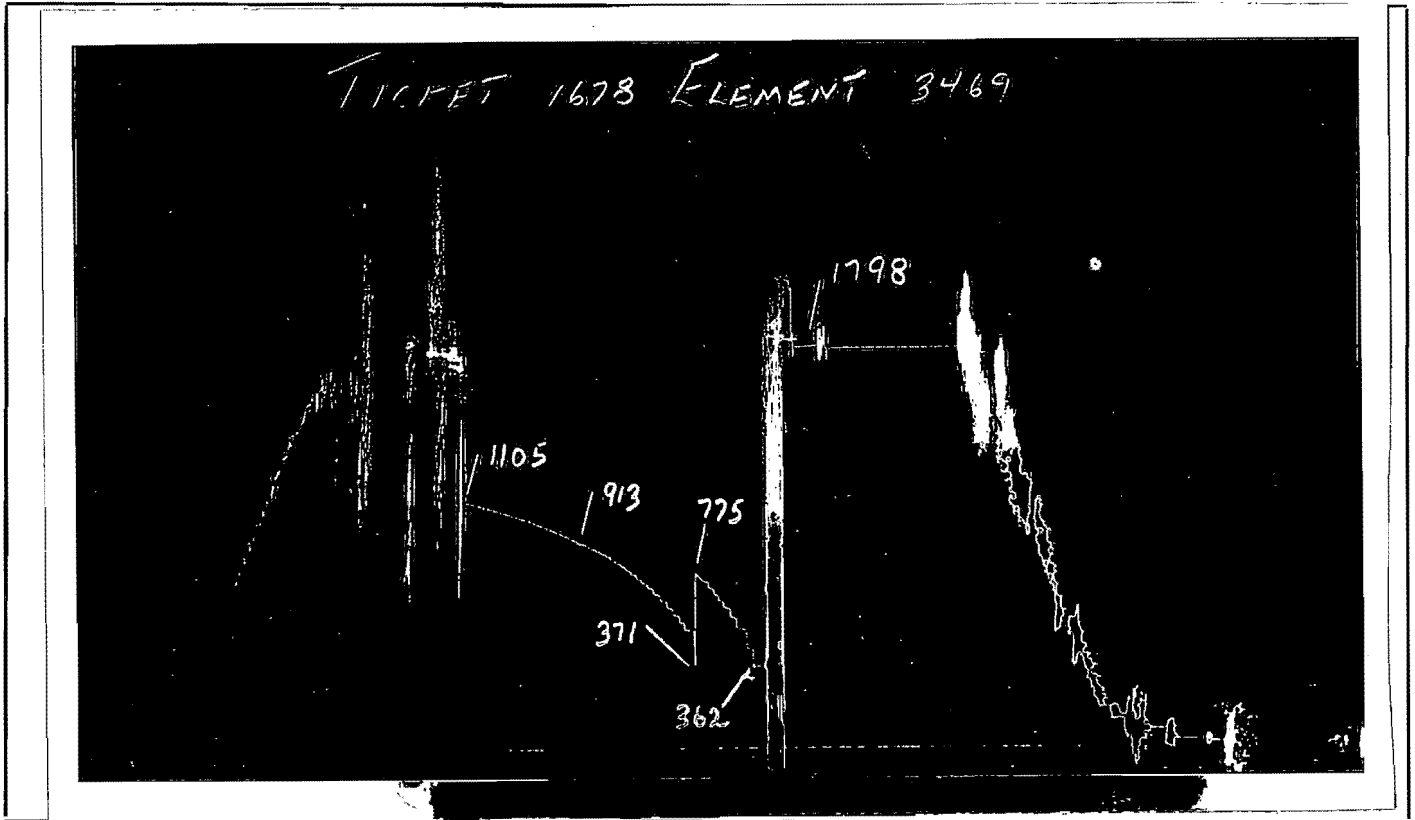
REMARKS: Tool plugged - test considered misrun.

APPROVED BY _____ TEST WAS: mis-run / Mis-Run OUR OPERATOR R. Larson

T.G. EASTLAND — testers ltd.

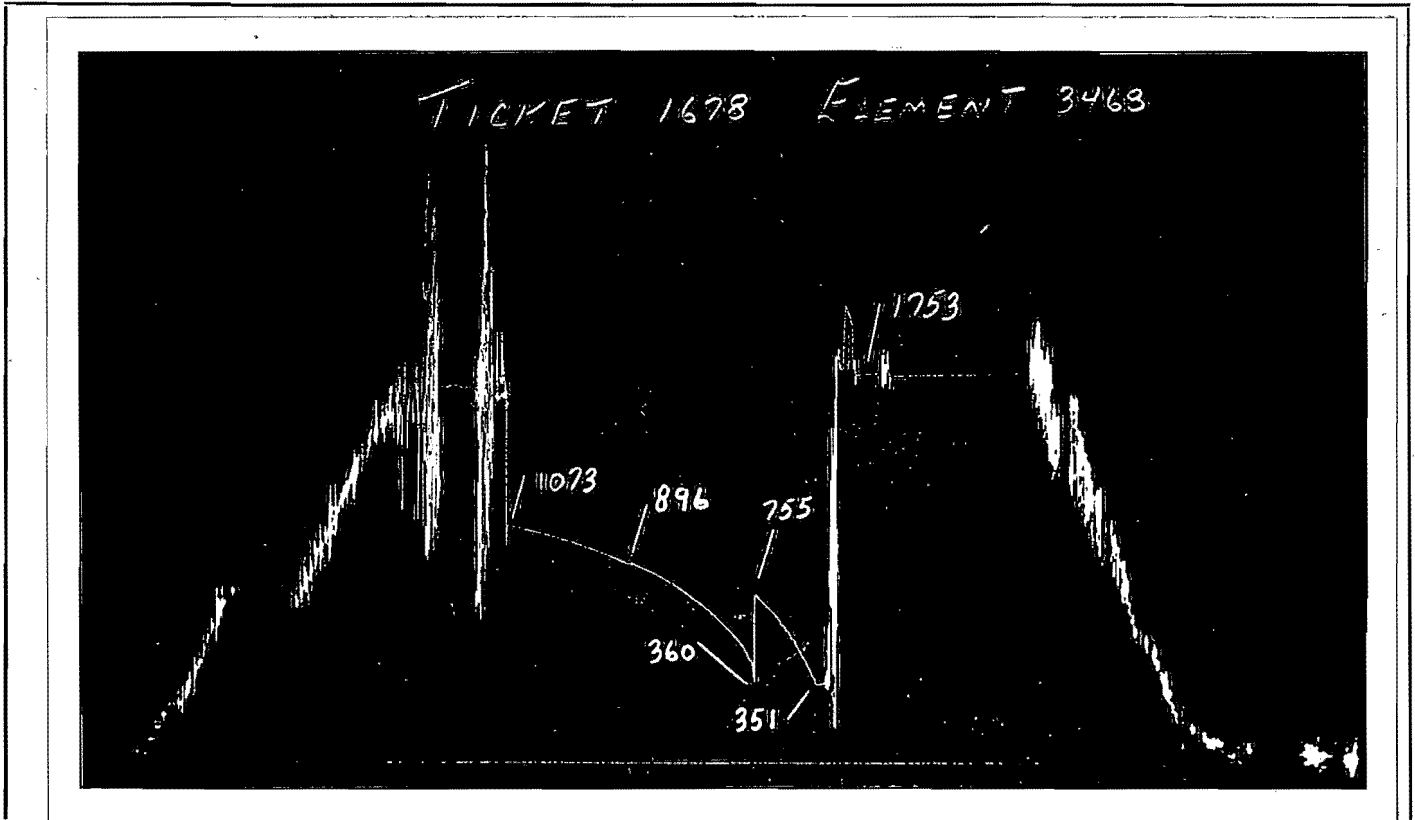
TEST No. 3
Date Mar. 10/71
Ticket No. 1678

WELL NAME SOBC Wm. E. Porcupine YTI-13
RECORDER No. 3469 ELEMENT RANGE 5400 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3614



TIME

RECORDER No. 3468 ELEMENT RANGE 5450 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3635



TIME

PRESSURE

PRESSURE

T.G. EASTLAND — testers Ltd.

R.R. No. 6, NORTH EDMONTON, ALBERTA

Test No. 2

Date Mar. 9/71

Ticket No. 1677

SERVICE REPORT

WELL NAME SOBC Wm. E. Porcupine Y.TI-13 ADDRESS 400 5 Avenue S, W. Calgary

AREA Eagle Plains L.S.D. 66° 02' N 137° 46' W INVOICE TO Chevron Standard Limited

CONTR. & RIG No. G.A.P. #14 T/PUSH D. Tegukamp CUSTOMER'S REPRESENTATIVE R. Hahsen

Date & Time Requested at location		DESCRIPTION OF BLOW DURING TEST				TOOL SEQUENCE & EQUIP. USED		
Call	Arr.	Fair air blow on preflow, continuing throughout ISL. Weak to fair air blow on flow period. Dead at end of FSI.				Tools	Length	O.D.
Start in 6:30 am On Bott 12:40 pm						Critical Flow Prover		
Pull Loose 4:05 pm Out Hole 10:00 pm						Floor Manifold		
TESTING DATA						Meter Run		
Zone Tested Blackie						Remote Control Head		
Interval 3639 to 3813 T.D. 3813						Bar-dropper sub	yes	
Int. Casing: Size 13-3/8 wgt. 54.5 grade J55		Blow Measured with: Pitot Tube <input type="checkbox"/>				Pump Out Sub	1.00	
Feet of Main Hole 3813 Diam 8.3/4		Fluid Used: Water <input type="checkbox"/> Mercury <input type="checkbox"/> Side Static <input type="checkbox"/>				Cross Over Subs	1.85	
Feet of Rat Hole Diam		Flow Prover <input type="checkbox"/> Gauge <input type="checkbox"/> Size Gauge <input type="checkbox"/> lbs.				Tight Hole Tool		
Type of Test Dual bottom hole						Dry Collar Valve		
Packers: No. 2 O.D. 7-3/4						Cross Over Sub	40	
Type of Packers Conventional						Test Assembly & EV	11.60	
Drill Pipe: Size - Thread 4 1/2 FH						Sampler	4.90	
Drill Collars: I.D. 2-7/8 O.D. 7"						Jars & COS	8.70	
No. Ft. Collars 465.65 D.P. 3348						Straddle By-pass		
No. Feet Drill Pipe Above Table 10						Safety Joint	1.70	
Ft. & Type Cushion						BC (in)	4.50	
Was Tool Chased Yes No. Ft. 10'						Packer 2	10.60	
Weight Set on Packers 30M						TOTAL	45.25	
Did Fluid Drop Yes No. Ft. 15 - 30 ft.						Packer end	.80	
Describe While tool was being chased & during preflow. Held good on flow period.		Describe Fluids: Top - Mud slightly oil cut. Middle & Down - mud slightly water cut.				Perfs.	5.00	
Preset 15 min. Time Tool Opened 12:57 pm						BC (out)	4.50	
Prewflow 8 min. Init. Shut-in 30 min.						Perfs.	5.00	
Flowed 60 min. Final Shut-in 90 min.						DC & COS	157.19	
Pull Loose 20M lbs. Swabbing? no						Bullnose	2.50	
Drilling Fluid Type Gel chem						TOTAL	177.99	
Visc. 60 Wgt. 9.4 W.L. F.G. 2/32						TOTAL PICKED UP	220.24	

FIELD PRESSURE DATA			
Pressure Element No.	3469	3468	
Element Capacity (paig)	5400	5450	
Clock Speed (Hrs.)	24	24	
Depth of Bellows	3625	3646	
Position (Inside - Outside)	Inside	Outside	
Initial Hydrostatic	1788	1748	
Prewflow Pressure	552	786	
Initial Shut-In	1597	1637	
First Flow—Choke Size	N/A	549	
Second Shut-In			
Second Flow—Choke Size	1634	1582	
Final Shut-In	1597	1538	
Final Hydrostatic	1785	1731	

- Cross-over sub to bottom of top rubbers 45.25
 - Bottom of top rubbers to top of lower
 - Top of lower to bottom of lower rubbers
 - Bottom of lower rubbers to Total Depth
 - Bottom of top rubbers to Total Depth 174.99
(Delete measurement No. 5 if Straddle)
(Delete No. 2 - 3 - 4 if Std. bottom hole)
- Total amount of customer's anchor 155.49
- No. of Damaged Rubbers and Sizes
- No. Samplers Retained No. of Reports Required 5
- Mileage: Highway Bush Total
- Waiting Time

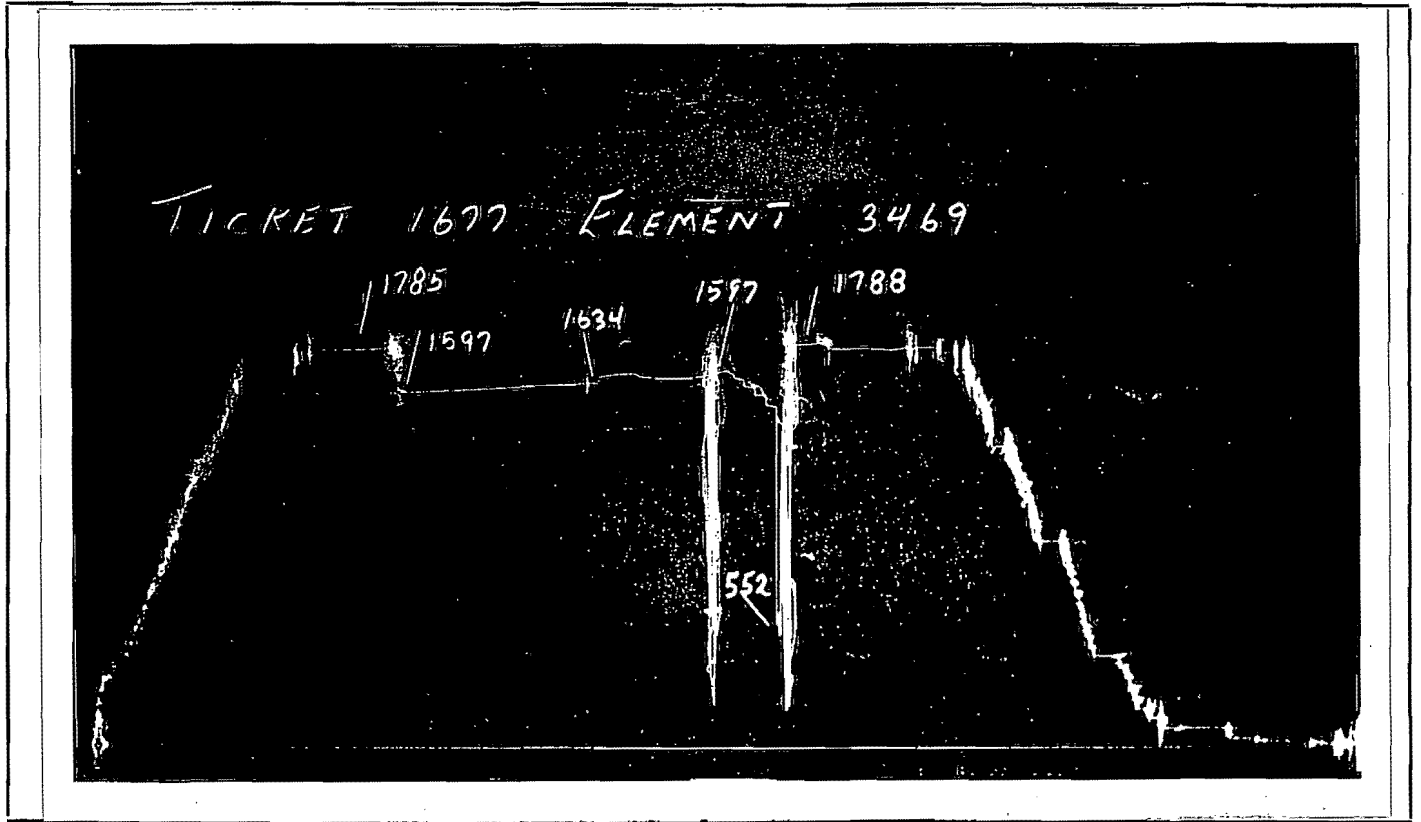
REMARKS: Tool plugged off on initial flow period — test considered misrun.

APPROVED BY TEST WAS: / Mis-Run OUR OPERATOR R. Larson

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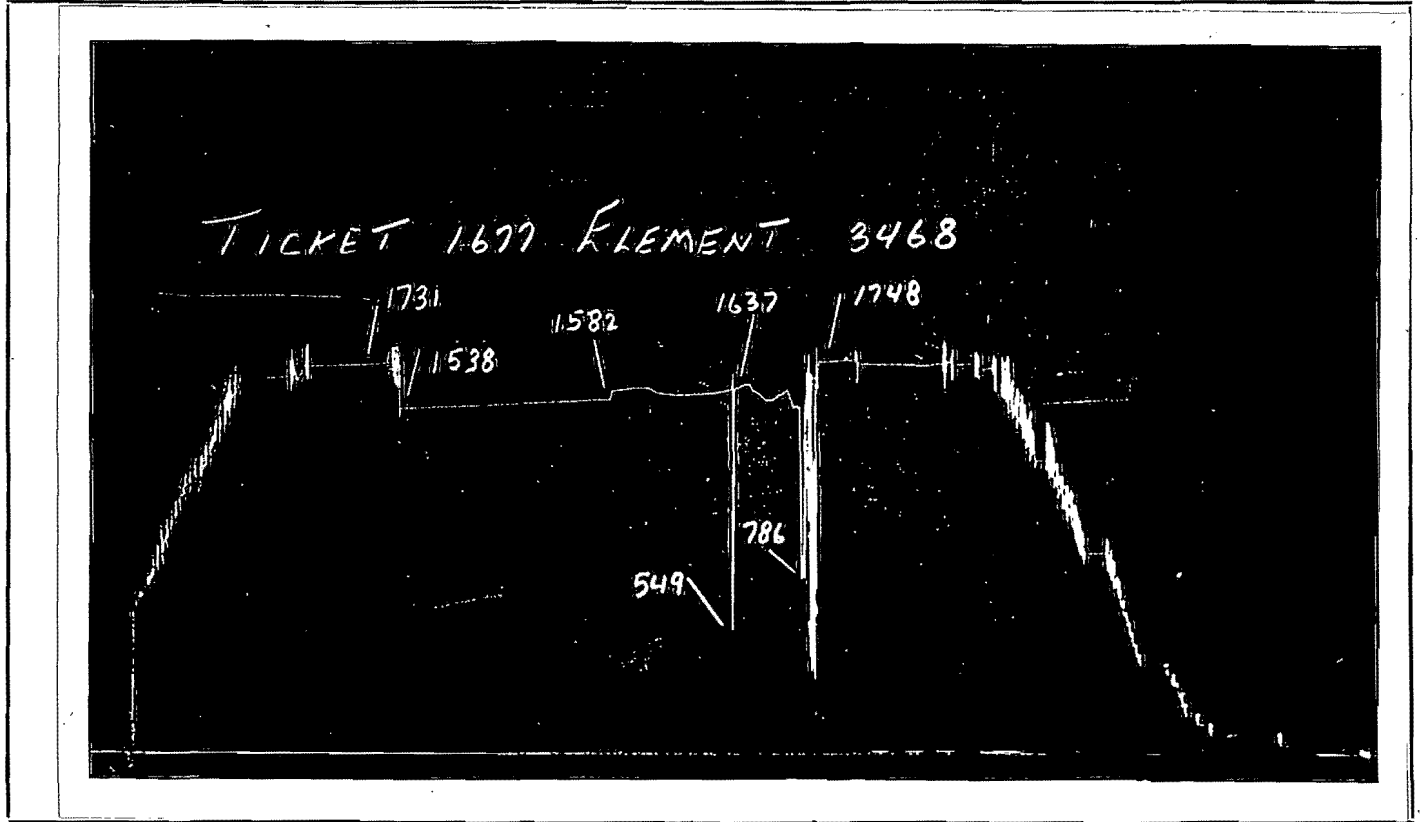
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Date Mar. 9/71
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WELL NAME SOBC. Wm. E. Porcupine YTI-13
RECORDER No. 3469 ELEMENT RANGE 5400 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3625



TIME

RECORDER No. 3468 ELEMENT RANGE 5450 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3646



TIME