

# T.G. EASTLAND — testers Ltd.

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

Test No. #6  
Date Apr. 26/71  
Ticket No. 1897

## SERVICE REPORT

WELL NAME SOBC WME Porcupine YTL-13 ADDRESS 400 - 5 Avenue S.W. - Calgary.  
AREA Yukon L.S.D. YTL-13 INVOICE TO Chevron Standard Limited  
CONTR. & RIG No. G.P. Drilling T/PUSH CUSTOMER'S REPRESENTATIVE

Date & Time Requested at rig .....  
Call Apr. 25 Arr. ....  
Start in 8:45pm On Bott. 11:00 pm  
Pull Loose 4:00 Out Hole 9:00 am

DESCRIPTION OF BLOW DURING TEST  
Weak blow throughout test.

TOOL SEQUENCE & EQUIP. USED

Tools	Length	O.D.
Critical Flow Prover		
Floor Manifold	yes	
Meter Run		
Remote Control Head	yes	
Pump Out Sub		
Cross Over Subs	2.70	
Tight Hole Tool recorders	10.10	
Dry Collar Valve		
Cross Over Sub	85	
Test Assembly	11.41	
Sampler	4.90	
Jars	8.88	
Straddle By-pass	1.82	
Safety Joint	2.70	
Packer	5.55	
Packer	4.77	
<b>TOTAL</b>	<b>53.68</b>	

### TESTING DATA

Zone Tested Tight hole  
Interval 2478 to 2565 T.D. 8004  
Int. Casing: Size 13-5/8 Wgt. 54.5 grade J55  
Feet of Main Hole 8004 Diam 8-3/4  
Feet of Rat Hole ..... Diam .....  
Type of Test Straddle by pass  
Packers: No. 4 O.D. 8"  
Type of Packers Conventional  
Drill Pipe: Size - Thread 4 1/2 FH  
Drill Collars: I.D. 2-7/8 O.D. 7"  
No. Ft: Collars 495 D.P. 7478  
No. Feet Drill Pipe Above Table 12 ft.

Blow Measured with: Pitot Tube   
Fluid Used: Water  Mercury  Side Static   
Flow Prover  Gauge  Size Gauge ..... lbs.

Time	Choke	Reading	MCF/Day

### FLUID RECOVERY (In Feet)

Pipe 124 Collars 443 Total 558  
Mud X Oil Water  
Describe Fluids: Recovered 558 ft. of gas cut drilling fluid.

Perfs & COS	16.56
Drill Collar	61.98
Packers	9.73
Recorder	6.35
Perfs	4.00
Drill pipe	5416.91
COS	.80
<b>TOTAL</b>	<b>5516.33</b>
	<b>5570.01</b>

Ft. & Type Cushion .....  
Was Tool Chased no No. Ft. ....  
Weight Set on Packers 20,000  
Did Fluid Drop yes No. Ft. 10'  
Describe Lost 10 ft. mud on preflow after tool was open 4 min.. Then held OK  
Preset 20 min. Time Tool Opened 11:20  
Prewlow 5 min. Init. Shut-in 30 min.  
Flowed 120 min. Final Shut-in 120 min.  
Pull Loose 20,000 lbs. Swabbing? no  
Drilling Fluid Type Gel  
Visc. 130 Wgt 10.4 W.L. 6.8 F.C. 2/32

Sampler Drained: On Location  Laboratory   
Sampler Press. .... lbs.  
Bottom Hole Temp. .... °F  
Salinity of Recovery ..... P.P.M.  
Salinity of Mud Filtrate ..... P.P.M.

	FIELD PRESSURE DATA		
Pressure Element No.	3805	3806	12349
Element Capacity (psig)	8000	8000	8600
Clock Speed (Hrs.)	24	24	12
Depth of Bellows	2464	2469	2580
Position (Inside - Outside)	Inside	Inside	Below Int.
Initial Hydrostatic	1410	1412	1465
Prewlow Pressure	315	321	434
Initial Shut-In	642	650	685
First Flow—Choke Size 7/8	342	350	491
Second Shut-In			
Second Flow—Choke Size 7/8	766	770	793
Final Shut-In	947	953	977
Final Hydrostatic	1338	1340	1380

### TOTAL PICKED UP

1. Cross-over sub to bottom of top rubbers	53.68	
2. Bottom of top rubbers to top of lower	78.54	
3. Top of lower to bottom of lower rubbers		
4. Bottom of lower rubbers to Total Depth	5437.69	
5. Bottom of top rubbers to Total Depth		
(Delete measurement No. 5 if Straddle)		
(Delete No. 2 - 3 - 4 if Std. bottom hole)		
Total amount of customer's anchor	5480.17	
No. of Damaged Rubbers and Sizes		
No. Samplers Retained	No. of Reports Required	
Mileage: Highway	Bush	Total
Waiting Time		

REMARKS: Bottom packers did not hold. Lost 10' mud through by-pass on preflow. Then by-pass must have plugged off with shale - As no more mud was lost.

APPROVED BY ..... TEST WAS: Successful OUR OPERATOR B. Mischke

ATTACHMENT NO. 1

I. INITIAL SHUT-IN

<u>Time</u>	<u>Pressure</u>
0 mins.	321
3	390
6	445
9	445
12	537
15	561
18	580
21	600
24	616
27	635
30	650

II. FINAL SHUT-IN

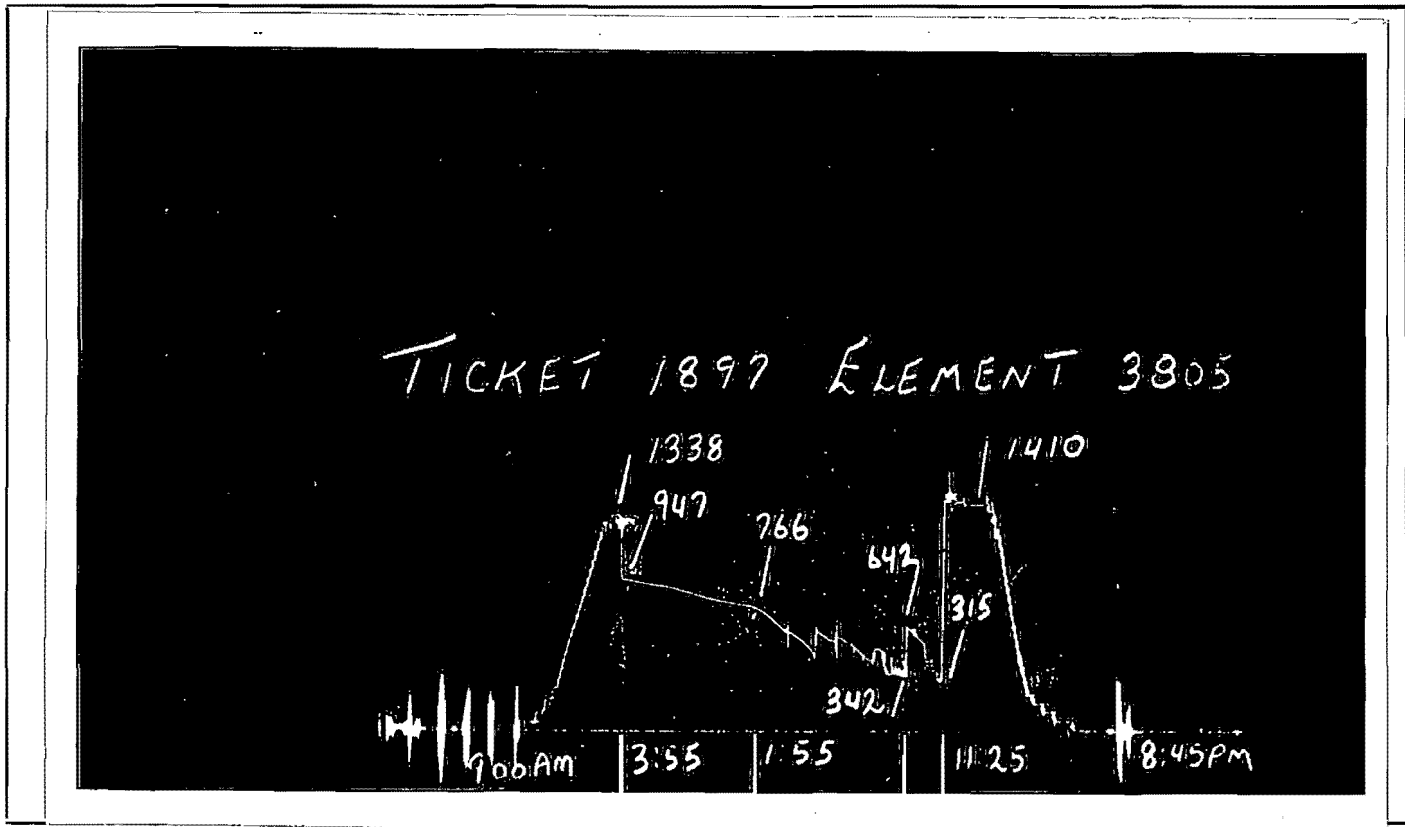
<u>Time</u>	<u>Pressure</u>
0 mins.	760
3	768
6	774
9	778
12	782
15	784
18	787
21	793
24	796
27	800
30	803
33	806
36	812
39	816
42	821
45	827
48	834
51	840
54	847
57	853
60	860
63	864
66	871
69	878
72	884
75	890
78	896
81	900
84	900
87	903
90	906
93	910
96	915
99	919
102	923
105	928
108	931
111	934
114	938
117	941
120	944

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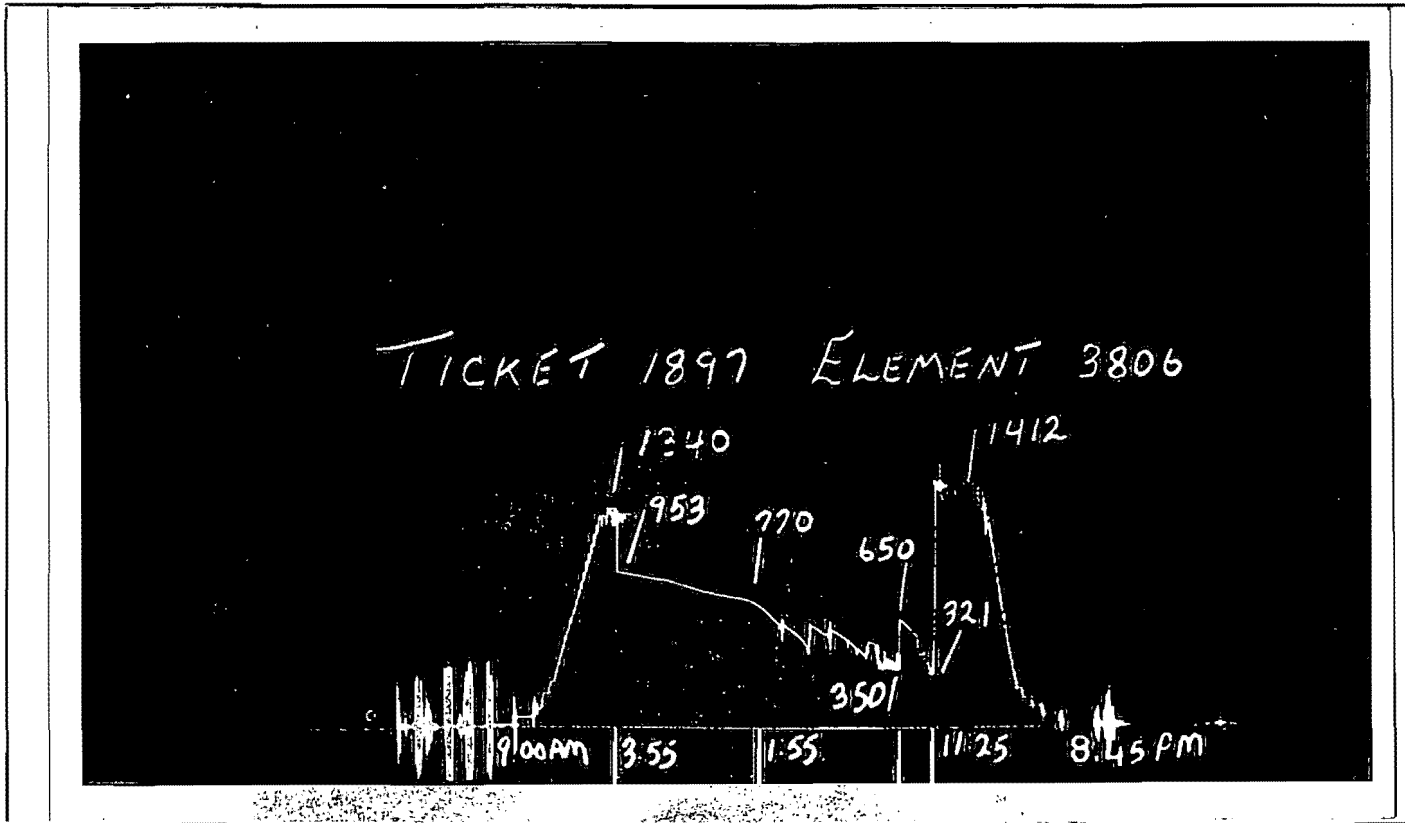
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WELL NAME SOBC. WME. Porcupine YTL-13

RECORDER No. 3805 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 2464



RECORDER No. 3806 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 2469

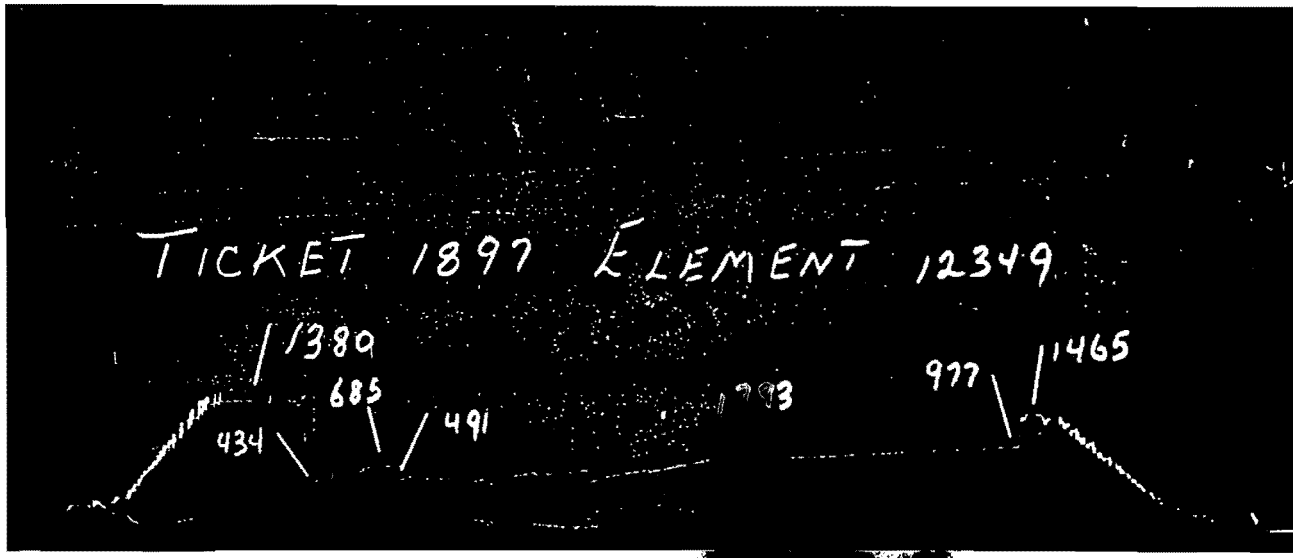


PRESSURE

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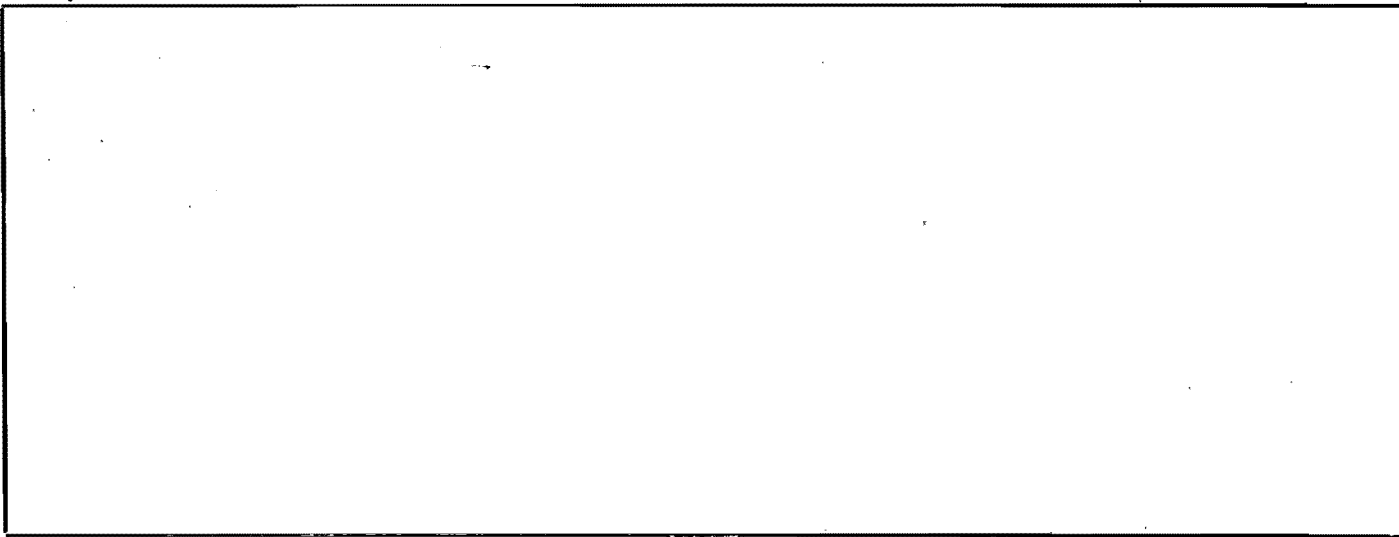
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WELL NAME SOBC W.E Porcupine Yt1-13  
RECORDER No. 12349 ELEMENT RANGE 8000 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 2580



PRESSURE

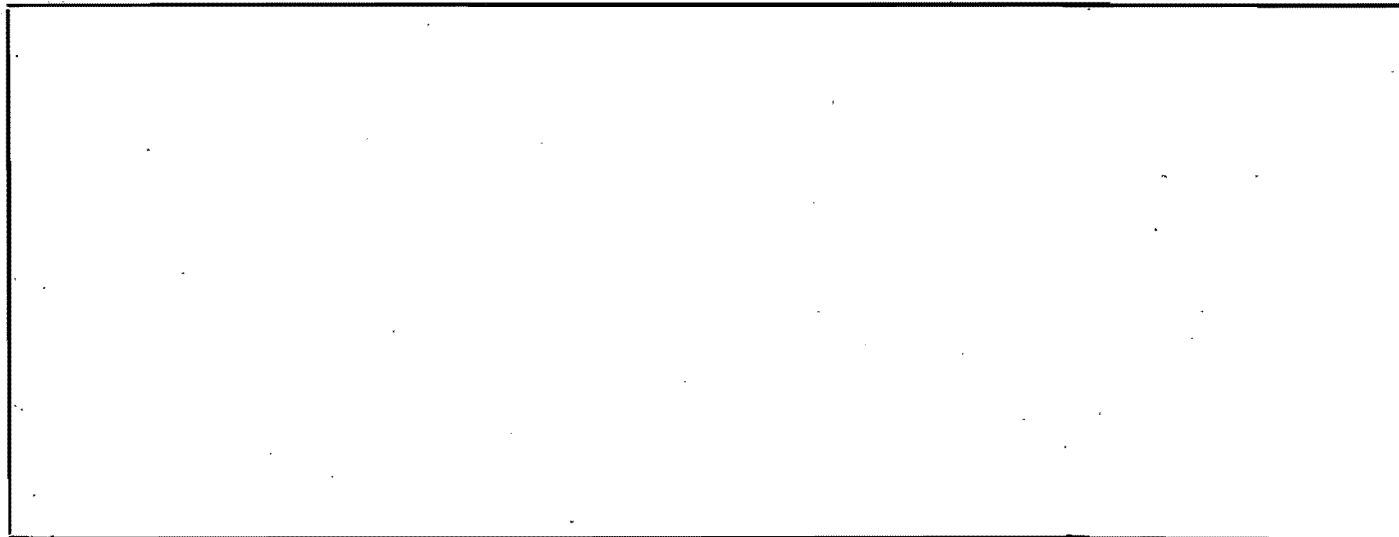
RECORDER No. ELEMENT RANGE P.S.I. CHART SPEED HRS. RECORDER DEPTH



PRESSURE

TIME

RECORDER No. ELEMENT RANGE P.S.I. CHART SPEED HRS. RECORDER DEPTH



PRESSURE

TIME