

T.E. EASTLAND — testers Ltd.

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

SERVICE REPORT

Test No. 5
 Date Apr. 25/71
 Ticket No. 1896

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

Date & Time Requested	DESCRIPTION OF BLOW DURING TEST				TOOL SEQUENCE & EQUIP. USED		
	Tools	Length	O.D.				
Call Arr.	Good blow throughout test.				Critical Flow Prover	yes	
Start. in <u>2:00am</u> On Bott. <u>6:45 am</u>	Gas to surface in 5 mins.				Floor Manifold		
Pull Loose <u>11:15</u> Out Hole <u>4:00 pm</u>					Meter Run		
TESTING DATA					Remote Control Head	yes	
Zone Tested <u>Tight hole</u>					Pump Out Sub	2.70	
Interval <u>7800 to 8004</u> PD. <u>8004</u>					Cross Over Subs		
Int. Casing: Size <u>13-3/8</u> Wgt. <u>54.5</u> grade <u>J55</u>	Blow Measured with: Pitot Tube <input checked="" type="checkbox"/>				Tight Hole Tool		
Feet of Main Hole <u>8004</u> Diam. <u>8-3/4</u>	Fluid Used: Water <input checked="" type="checkbox"/> Mercury <input type="checkbox"/> Side Static <input type="checkbox"/>				Dry Collar Valve		
Feet of Rat Hole Diam.	Flow Prover <input type="checkbox"/> Gauge <input type="checkbox"/> Size Gauge lbs.				Cross Over Sub	85	
Type of Test Bottom hole	Time	Choke	Reading	MCF/Day	Test Assembly	11.45	
Packers: No. <u>2</u> O.D. Conv. <u>8"</u>	8:15	1"	1"	34.69	Sampler	4.90	
Type of Packers Conventional	8:30	1"	2"	49.00	Jars & COS	8.80	5-3/4
Drill Pipe: Size - Thread <u>4 1/2 FH</u>	8:45	1"	07-2.2	51.45	recorder	5.04	
Drill Collars: I.D. <u>2-7/8</u> O.D. <u>7"</u>	9:00	1"	2"	49.00	Safety Joint	2.70	
No. Ft: Collars <u>495</u> D.P. <u>7478</u>					Packer	5.55	
No. Feet Drill Pipe Above Table 24 ft.					Packer	4.77	
Ft. & Type Cushion					TOTAL	46.76	
Was Tool Chased <u>no</u> No. Ft.	Pipe Collars <u>186</u> Total <u>186</u>				Perfs	42.55	
Weight Set on Packers 20,000	Mud X. Oil Water				COS	1.90	
Did Fluid Drop <u>no</u> No. Ft.	Describe Fluids: <u>Recovered 186 ft.</u>				Recorder	5.06	
Describe	<u>of drilling mud.</u>				Drill collar	155.26	
Preset <u>30</u> min. Time Tool Opened <u>7:12</u>	Sampler Drained: On Location <input type="checkbox"/> Laboratory <input type="checkbox"/>				TOTAL	204.77	
Preflow <u>3</u> min. Init. Shut-in <u>30</u> min.	Sampler Press. lbs.					251.53	
Flowed <u>90</u> min. Final Shut-in <u>120</u> min.	Bottom Hole Temp. °F						
Pull Loose <u>40,000</u> lbs. Swabbing? <u>no</u>	Salinity of Recovery P.P.M.						
Drilling Fluid Type Gel	Salinity of Mud Filtrate P.P.M.						
Visc. <u>130</u> Wgt. <u>10.4</u> W.L. <u>6.8</u> F.O. <u>2/32</u>							

FIELD PRESSURE DATA	
Pressure Element No.	3806 3805
Element Capacity (gal)	8000 8000
Clock Speed (Hrs.)	24 24
Depth of Bellows	7786 7814
Position (Inside - Outside)	Inside Outside
Initial Hydrostatic	4481 4485
Preflow Pressure	118 120
Initial Shut-In	1330 1333
First Flow—Choke Size	64 68
Second Shut-In	
Second Flow—Choke Size	107 110
Final Shut-In	2370 2374
Final Hydrostatic	4363 4371

TOTAL PICKED UP	
1. Cross-over sub to bottom of top rubbers	46.76
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	204.77
(Delete measurement No. 5 if Straddle)	
(Delete No. 2 - 3 - 4 if Std. bottom hole)	
Total amount of customer's anchor	155.26
No. of Damaged Rubbers and Sizes	
No. Samplers Retained	No. of Reports Required <u>10</u>
Mileage: Highway	Bush
Waiting Time	Stand by to test from
	Apr. 23 - 24/71 -- 2 days

REMARKS:

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

ATTACHMENT NO. 1

I. Initial Shut-In

<u>Time</u>	<u>Pressure</u>
0 mins.	118
3	366
6	555
9	698
12	823
15	924
18	1024
21	1119
24	1203
27	1276
30	1330

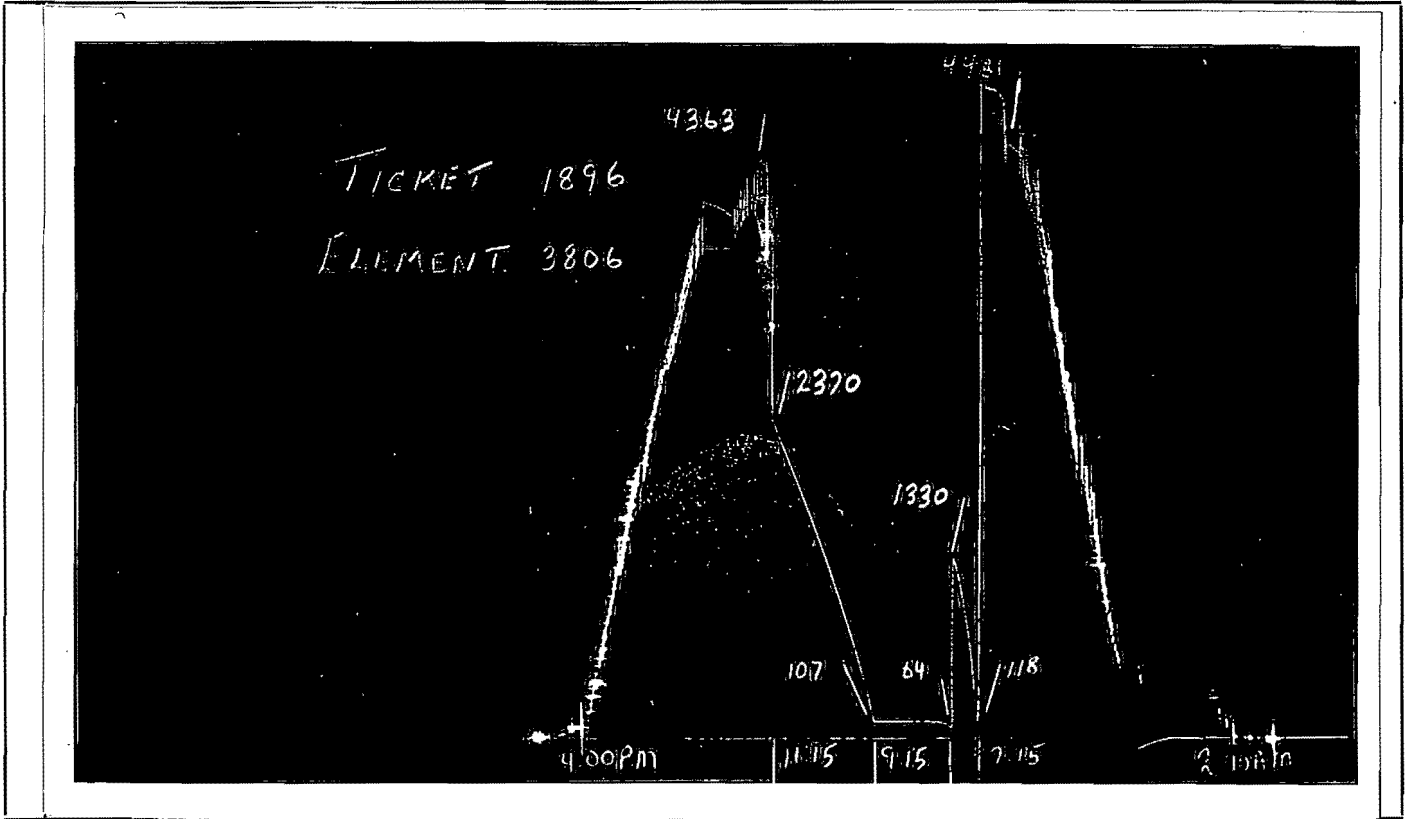
II. Final Shut-In

<u>Time</u>	<u>Pressure</u>
0 mins.	115
3	213
6	296
9	369
12	437
15	495
18	563
21	630
24	692
27	756
30	818
33	876
36	930
39	991
42	1047
45	1102
48	1164
51	1223
54	1276
57	1336
60	1388
63	1441
66	1488
69	1545
72	1595
75	1646
78	1697
81	1743
84	1791
87	1836
90	1886
93	1934
96	1981
99	2030
102	2072
105	2119
108	2167
111	2214
114	2261
117	2315
120	2370

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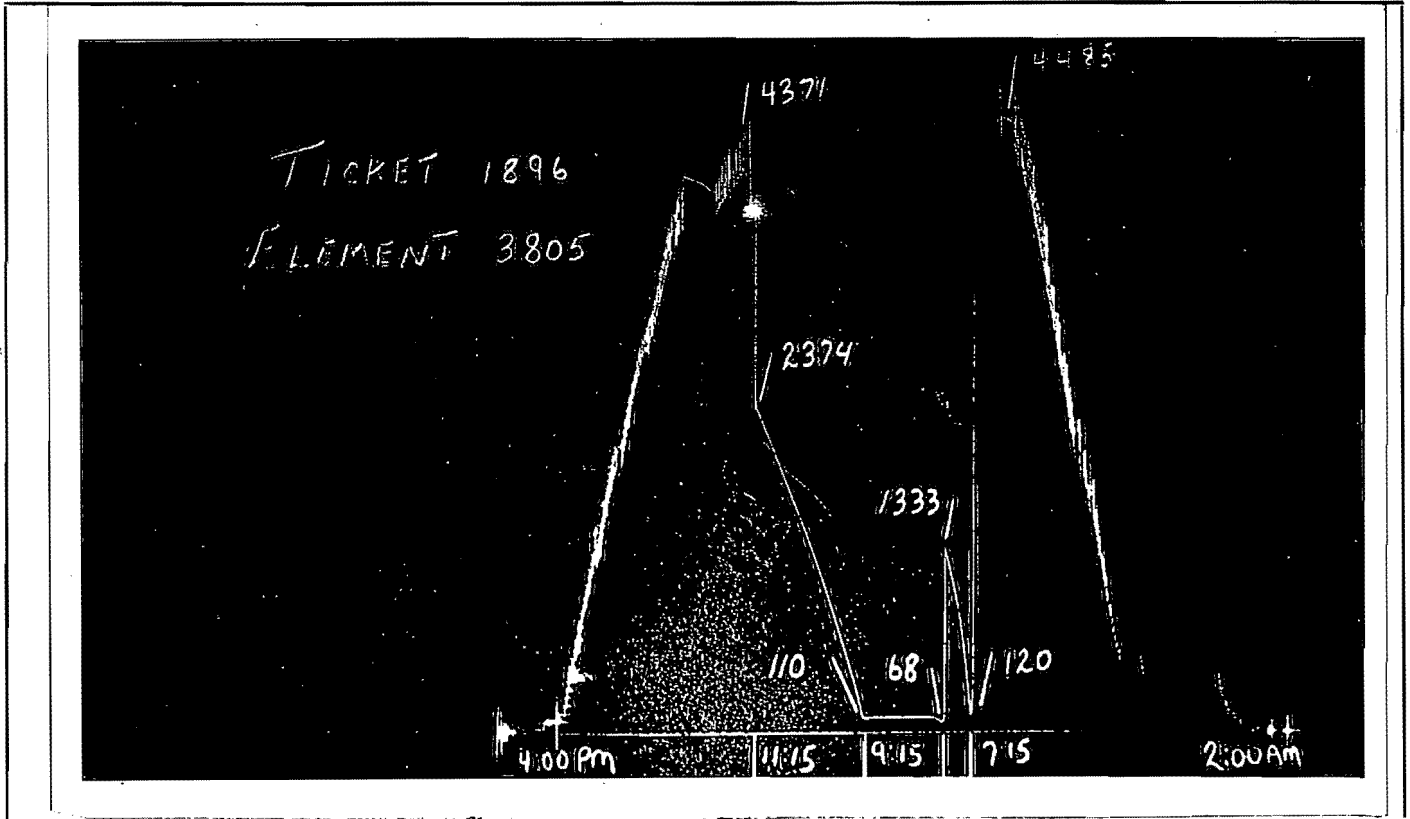
WELL NAME SOBC WME Porcupine YTL-13
 RECORDER No. 3806 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 7786



TIME

PRESSURE

RECORDER No. 3805 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 7814



TIME

PRESSURE

T.G. EASTLAND — testers Ltd.

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

Test No. 4
 Date Apr. 22/71
 Ticket No. 1050

SERVICE REPORT

WELL NAME SOBC W.M.E. Porcupine YTI-13 ADDRESS 400 - 5 Avenue S.W. - Calgary
 AREA Yukon LSD. YTI-13 INVOICE TO Chevron Standard Limited
 CONTR. & RIG No. G.P. #14 T/PUSH CUSTOMER'S REPRESENTATIVE

Date & Time Requested	DESCRIPTION OF BLOW DURING TEST				TOOL SEQUENCE & EQUIP. USED		
	Tools	Length	O.D.				
Call Arr.	Strong air blow throughout test.				Critical Flow Prover		
Start in <u>19:30</u> On Bott. <u>2:45</u>	No packer seat.				Floor Manifold		
Pull Loose <u>4:20 pm</u> Out Hole <u>9:00 pm</u>					Meter Run		
TESTING DATA					Remote Control Head	yes	
Zone Tested <u>Tight hole</u>					recorders	10.10	
Interval <u>5977</u> to <u>6053</u> T.D. <u>8004</u>					Pump Out Sub		
Int. Casing: Size <u>3-3/8</u> wgt. <u>54.5</u> grade <u>J55</u>	Blow Measured with: Pitot Tube <input type="checkbox"/>				Cross Over Subs	2.70	
Feet of Main Hole <u>8004</u> Diam <u>8-3/4</u>	Fluid Used: Water <input type="checkbox"/> Mercury <input type="checkbox"/> Side Static <input type="checkbox"/>				Tight Hole Tool		
Feet of Rat Hole Diam.	Flow Prover <input type="checkbox"/> Gauge <input type="checkbox"/> Size Gauge lbs.				Dry Collar Valve		
Type of Test <u>By Pass Straddle</u>	Time	Choke	Reading	MCF/Day	Cross Over Sub		
Packers: No. <u>4</u> O.D. <u>7-3/4</u>					Test Assembly	11.41	
Type of Packers <u>Conventional</u>					Sampler	4.90	
Drill Pipe: Size - Thread <u>4-1/2 FH</u>					Jars & COS	8.85	
Drill Collars: I.D. <u>2-7/8</u> O.D. <u>7"</u>					Straddle By-pass	1.80	
No. Ft. Collars <u>495</u> D.P. <u>7509</u>					Safety Joint	7.70	
No. Feet Drill Pipe Above Table	FLUID RECOVERY				Packer	5.68	
Ft. & Type Cushion	(In Feet)				Packer	4.89	
Was Tool Chased No. Ft.	Pipe <u>855</u> Collars <u>435</u> Total <u>1290</u>				TOTAL	58.03	
Weight Set on Packers <u>20,000</u>	Mud <u>x</u> Oil Water				Perfs & subs	14.37	
Did Fluid Drop <u>yes</u> No. Ft. <u>100</u>	Describe Fluids: <u>Recovered 1290 ft. of drilling mud.</u>				D.C.	61.90	
Describe <u>Fluid dropped slowly throughout test 150 ft.</u>					Packers	8.31	
					Perfs	19.00	
					D.P.	1918.63	
					Bullnose	4.48	
					COS80	
					TOTAL	2027.49	
						2085.52	

	FIELD PRESSURE DATA		
Pressure Element No.	3806	3805	12349
Element Capacity (psig)	8000	8000	8600
Clock Speed (Hrs.)	24	24	24
Depth of Bellows	5960	5955	8004
Position (Inside - Outside)	Inside	Inside	Outside
Initial Hydrostatic			
Preflow Pressure			
Initial Shut-In			
First Flow—Choke Size			
Second Shut-In			
Second Flow—Choke Size			
Final Shut-In			
Final Hydrostatic			

- TOTAL PICKED UP**
1. Cross-over sub to bottom of top rubbers 56.03
 2. Bottom of top rubbers to top of lower 76.27
 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 1951.02
- (Delete measurement No. 5 if Straddle)
 (Delete No. 2 - 3 - 4 if Std. bottom hole)
- Total amount of customer's anchor 1970.53
 No. of Damaged Rubbers and Sizes 3 - 7 1/2" conv.
 No. Samplers Retained No. of Reports Required 0
 Mileage: Highway Bush Total
 Waiting Time Stand by to test Apr. 13-21/71
9 days

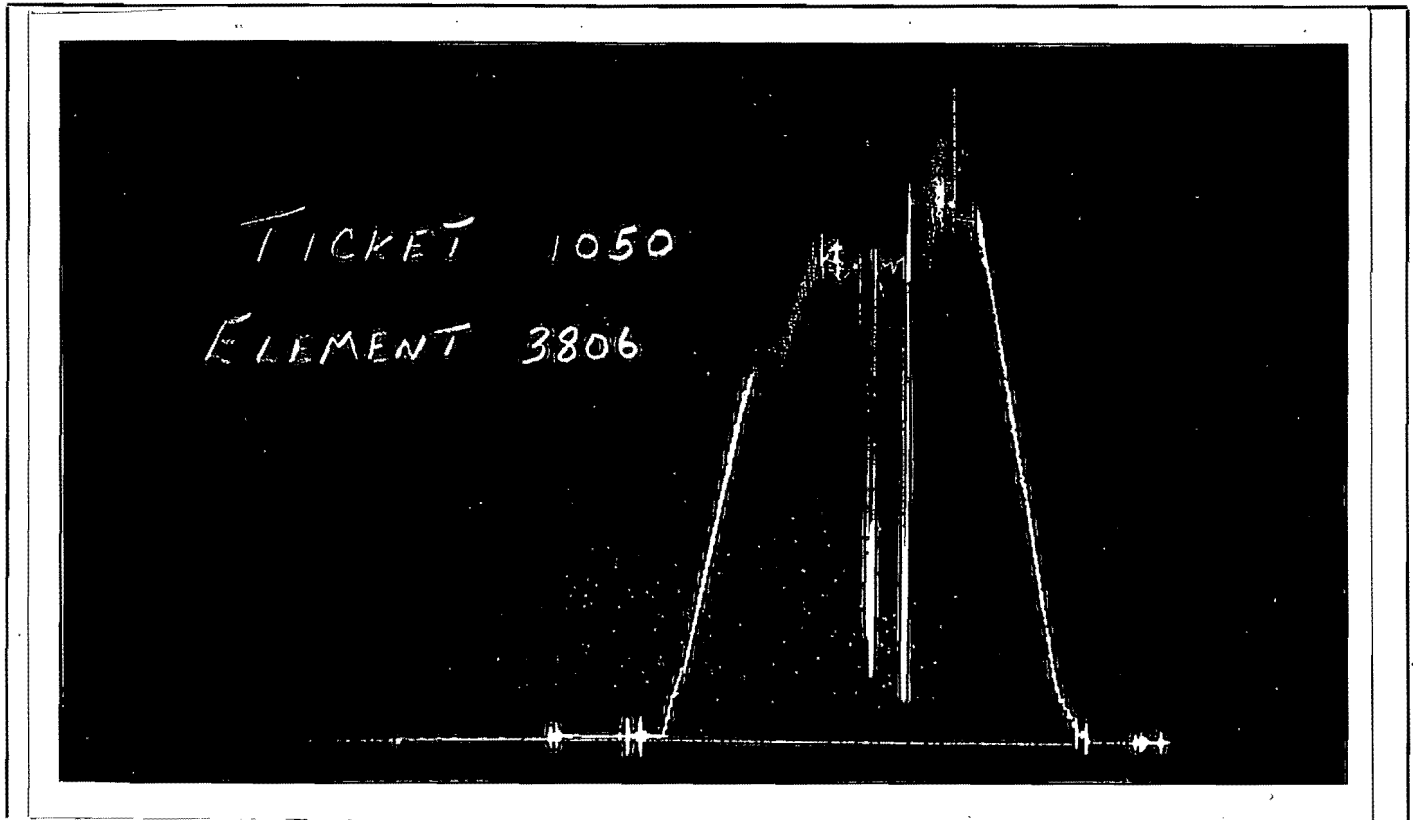
REMARKS: No packer seat.

APPROVED BY TEST WAS: Mis-Run OUR OPERATOR B. Mischke

T.G. EASTLAND — testers ltd.

TEST No. 4
Date Apr. 22/71
Ticket No. 1050

WELL NAME SOBC WME Porcupine YT1-13
RECORDER No. 3806 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 5960



RECORDER No. 3806 ELEMENT RANGE 8000 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 5955

