

# T.G. EASTLAND — testers Ltd.

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

Test No. 1

Date Mar. 4/71

Ticket No. 1676

## SERVICE REPORT

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

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

CONTR. & RIG No. G.P. #14 T/PUSH D. Tegukamp CUSTOMER'S REPRESENTATIVE Ralph Hansen

Date & Time Requested On lease

Call Arr. DESCRIPTION OF BLOW DURING TEST TOOL SEQUENCE & EQUIP. USED

Start in 8:30 am On Bott. 4:00 pm in 10 mins. on ISI. Weak blow throughout flow period, decreasing throughout. Dead in 10 mins. on FSI

Pull Loose 7:43 pm Out Hole 12 pm

### TESTING DATA

Zone Tested Blackie

Interval 3620 to 3658 T.D. 3658

Int. Casing: Size 13-3/8 Wgt. 5.45 grade J-55

Feet of Main Hole 3658 Diam. 8-3/4

Feet of Rat Hole Diam.

Type of Test Dual bottom hole

Packers: No. 2 O.D. 7-3/4

Type of Packers Conventional

Drill Pipe: Size - Thread 4 1/2 H90

Drill Collars: I.D. 2-7/8 O.D. 7"

No. Ft. Collars 465.65 D.P. 3193

No. Feet Drill Pipe Above Table 15'

Ft. & Type Cushion

Was Tool Chased YES No. Ft. 25'

Weight Set on Packers 25M

Did Fluid Drop YES No. Ft. 15'

Describe While tool was being chased, mud held good after packer seat attained

Preset 30 min. Time Tool Opened 4:55 pm

Preflow 8 min. Init. Shut-in 30 min.

Flowed 65 min. Final Shut-in 65 min.

Pull Loose 20M lbs. Swabbing? no

Drilling Fluid Type Gel chem

Visc. 58 Wgt. 9.5 W.L. 8.2 F.C. 2/32

| DESCRIPTION OF BLOW DURING TEST |       |         |         | TOOL SEQUENCE & EQUIP. USED |              |       |
|---------------------------------|-------|---------|---------|-----------------------------|--------------|-------|
| Time                            | Choke | Reading | MCF/Day | Tools                       | Length       | O.D.  |
|                                 |       |         |         | Critical Flow Prover        |              |       |
|                                 |       |         |         | Floor Manifold              |              |       |
|                                 |       |         |         | Meter Run                   |              |       |
|                                 |       |         |         | Remote Control Head         |              |       |
|                                 |       |         |         | Bar-droppers                | sub          | yes   |
|                                 |       |         |         | Pump Out Sub                | 1.00         | 4-3/4 |
|                                 |       |         |         | Cross Over Subs             | 1.70         | 5-3/4 |
|                                 |       |         |         | Tight Hole Tool             |              |       |
|                                 |       |         |         | Dry Collar Valve            |              |       |
|                                 |       |         |         | Cross Over Sub              | .45          | 5-3/4 |
|                                 |       |         |         | Test Assembly               | 12.15        | 4-3/4 |
|                                 |       |         |         | Sampler                     | 4.90         | 4-3/4 |
|                                 |       |         |         | Jars                        | 8.38         | 6-1/8 |
|                                 |       |         |         | Straddle By-pass            |              |       |
|                                 |       |         |         | Safety Joint                | 1.74         | 4-3/4 |
|                                 |       |         |         | Packer 2                    | 9.10         | 7034/ |
|                                 |       |         |         | Packer                      |              |       |
|                                 |       |         |         | <b>TOTAL</b>                | <b>39.42</b> |       |
|                                 |       |         |         | Packer end                  | 2.20         | 4-3/4 |
|                                 |       |         |         | perfs.                      | 5.00         | 4-3/4 |
|                                 |       |         |         | B.C. out                    | 4.50         | 4-3/4 |
|                                 |       |         |         | perfs.                      | 5.00         | 4-3/4 |
|                                 |       |         |         | B.C. in                     | 4.50         | 4-3/4 |
|                                 |       |         |         | Perfs & BN                  | 17.50        | 4-3/4 |
|                                 |       |         |         | <b>TOTAL</b>                | <b>38.70</b> |       |
|                                 |       |         |         | <b>TOTAL PICKED UP</b>      | <b>78.12</b> |       |

| FIELD PRESSURE DATA         |         |        |
|-----------------------------|---------|--------|
| Pressure Element No.        | 3468    | 3469   |
| Element Capacity (psig)     | 5450    | 5400   |
| Clock Speed (Hrs.)          | 24      | 24     |
| Depth of Bellows            | 3627    | 3637   |
| Position (Inside - Outside) | Outside | Inside |
| Initial Hydrostatic         | 1801    | 1845   |
| Preflow Pressure            | 281     | 287    |
| Initial Shut-In             | 446     | 448    |
| First Flow—Choke Size       | 2.79    | 2.83   |
| Second Shut-In              |         |        |
| Second Flow—Choke Size      | 2.83    | 2.85   |
| Final Shut-In               | 4.09    | 4.14   |
| Final Hydrostatic           | 1803    | 1863   |

1. Cross-over sub to bottom of top rubbers 39.42
  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 38.70
- (Delete measurement No. 5 if Straddle)  
(Delete No. 2 - 3 - 4 if Std. bottom hole)
- Total amount of customer's anchor
- No. of Damaged Rubbers and Sizes 1 - 7 3/4"
- No. Samplers Retained No. of Reports Required 5
- Mileage: Highway Bush Total
- Waiting Time 17 days Feb. 16 to Mar. 3, 1971

REMARKS:

APPROVED BY TEST WAS: Successful / OUR OPERATOR R. Larson

ATTACHMENT NO. 1

Ticket No. 1676  
DST # one  
March 4, 1971  
Element # 3468

I. Initial Shut-in

| <u>Time</u> | <u>Pressure</u> |
|-------------|-----------------|
| 0 mins.     | 281             |
| 5           | 334             |
| 10          | 368             |
| 15          | 392             |
| 20          | 413             |
| 25          | 430             |
| 30          | 446             |

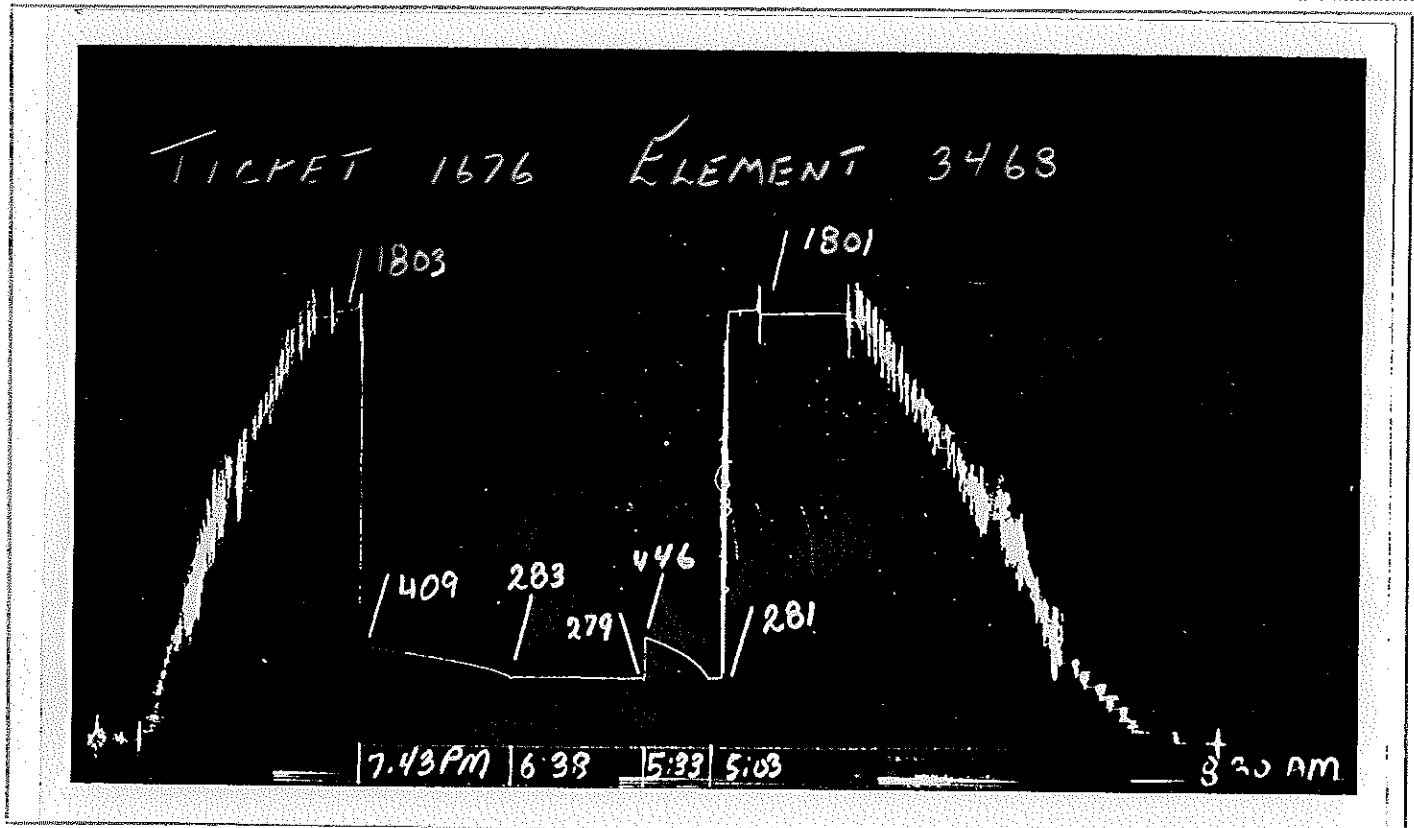
II. Final Shut-in

| <u>Time</u> | <u>Pressure</u> |
|-------------|-----------------|
| 0 mins.     | 283             |
| 5           | 302             |
| 10          | 317             |
| 15          | 328             |
| 20          | 339             |
| 25          | 349             |
| 30          | 357             |
| 40          | 371             |
| 50          | 388             |
| 60          | 403             |
| 65          | 409             |

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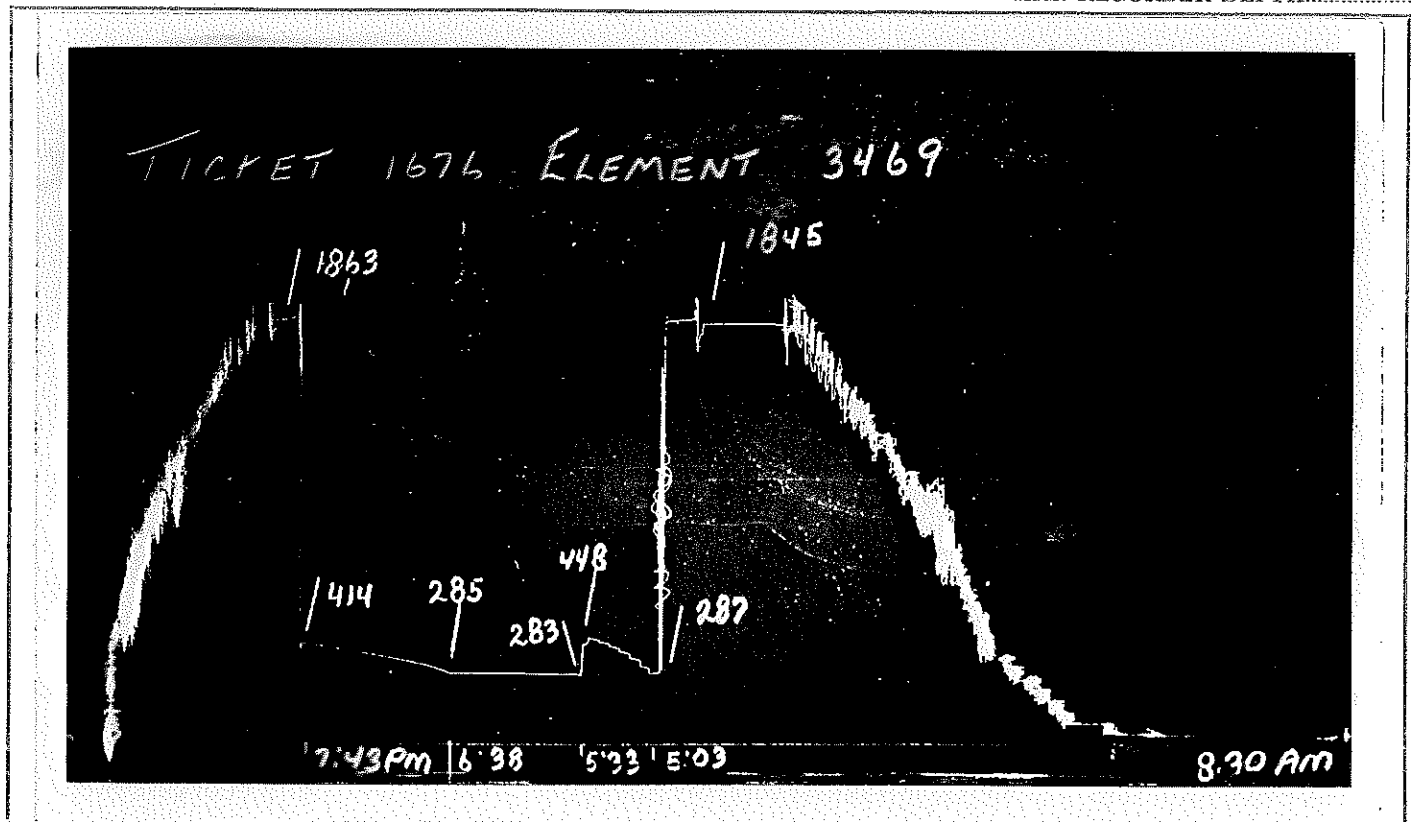
WELL NAME SOBC Wm. E. Porcupine Y.T1-13  
RECORDER No. 3468 ELEMENT RANGE 5450 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3627



TIME

PRESSURE

RECORDER No. 3469 ELEMENT RANGE 5400 P.S.I. CHART SPEED 24 HRS. RECORDER DEPTH 3637



TIME

PRESSURE