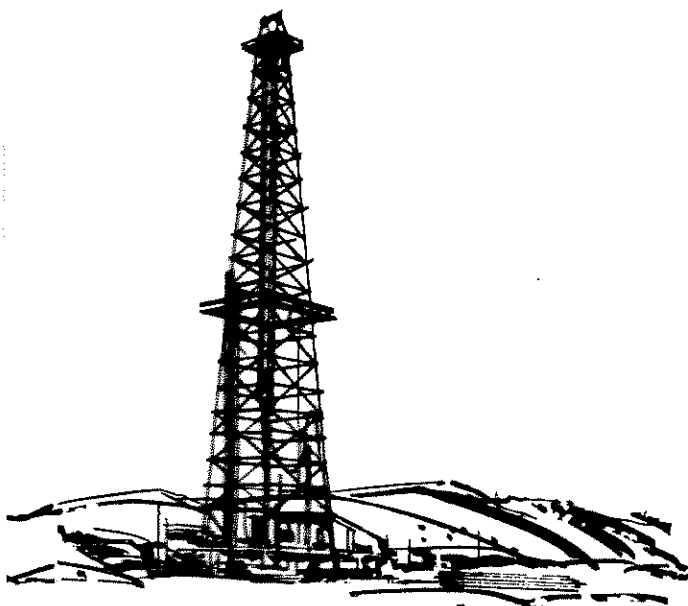




LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable and Conventional Packer Tools



**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

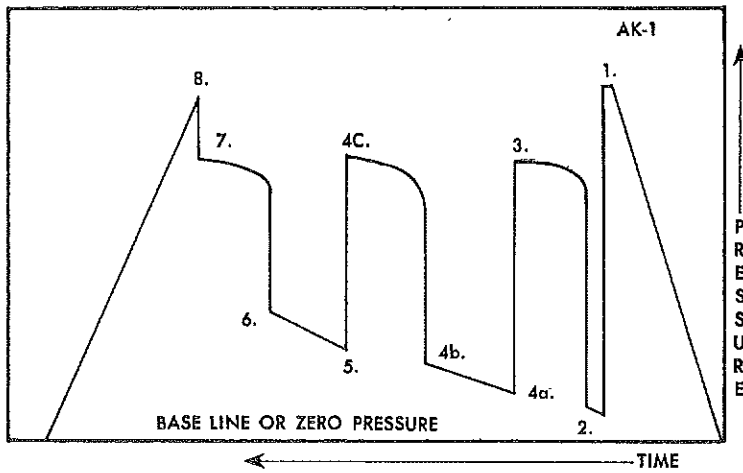
LYNES UNITED SERVICES LTD.

| TEST DATA | | | | GENERAL INFORMATION | | | |
|--|--|-------------------|--|---|--|-----------------------|--|
| Test No. | | 8 | | Lynes Test | | Company | |
| Formation | | T.D. 8004 | | Ft. | | Chevron Standard Ltd. | |
| Interval Tested | | 2487 | | Ft. to | | 2565 | |
| Feet of Net Pay Tested | | 78 | | Ft. | | | |
| Type of Test | | | | Inflatable Straddle | | | |
| Cushion | | nil | | Amount | | Ft. | |
| Started in Hole at | | 11:15 | | Hrs. | | Tool Open at | |
| | | | | | | 2:25 | |
| | | | | | | Hrs. | |
| Pre-Flow | | 3 | | Mins. | | Initial Shut-in | |
| | | | | | | 30 | |
| | | | | | | Mins. | |
| 2nd Flow | | | | Mins. | | Second Shut-in | |
| | | | | | | | |
| Final Flow | | 90 | | Mins. | | Final Shut-in | |
| | | | | | | 90 | |
| | | | | | | Mins. | |
| Remarks: | | | | Company Rep. Mr. Hansen | | | |
| | | | | Tester Pat McDonnell | | | |
| | | | | Contractor G.P. | | Rig No. 14 | |
| | | | | Ticket No. 2929 | | Date April 29/71 | |
| Blow: Good initial puff decreasing to weak air blow. | | | | Service Reports To: 8 - above address | | | |
| GAS BLOW MEASUREMENTS | | | | MUD AND HOLE DATA | | | |
| Measured with | | | | Mud Type | | | |
| | | | | Weight 10.6 Viscosity 180 Water Loss | | | |
| | | | | Filter Cake 2/32" Bottom Hole Temperature | | | |
| Time | | Surface Choke | | Reading Inches | | Cubic Feet/Day | |
| | | | | Drill Pipe Size 4 1/2" FH Weight | | | |
| | | | | Drill Collars 5" H90 I.D. 2 3/4" Feet Run | | | |
| | | | | Main Hole or Casing Size 8 3/4" | | | |
| | | | | Rathole or Liner Size No. of Feet | | | |
| | | | | Bottom Hole Choke Size 3/4" | | | |
| | | | | Surface Choke Size adjustable | | | |
| | | | | Packer Rubber Size 7 5/8 x 66" | | | |
| | | | | REMARKS Tool plugged immediately. | | | |
| RECOVERY | | | | | | | |
| TOTAL FLUID RECOVERED 125 Ft. Consisting of: | | | | | | | |
| 125 Ft. of drilling mud | | | | | | | |
| Ft. of | | | | | | | |
| Ft. of | | | | | | | |
| Ft. of | | | | | | | |
| Test was/was not Reverse Circulated was not | | | | | | | |
| Oil Recovery A.P.I. | | | | Water Specific Gravity | | | |
| Salinity | | | | | | | |
| PRESSURE READINGS | | | | | | | |
| Inside _____ Outside X | | Recorder No. 5578 | | Capacity 2950 | | Depth 2495 | |
| Inside _____ Outside XX | | Recorder No. 4379 | | Capacity 3000 | | Depth 2495 | |
| Inside _____ Outside X | | Recorder No. 5811 | | Capacity 6000 | | Depth 2495 | |
| Inside _____ Outside | | Recorder No. | | Capacity | | Depth | |
| NUMBER KEY: | | | | | | | |
| 1 - INITIAL HYDROSTATIC | | 1585 | | 1458 | | 1501 | |
| 2 - PRE-FLOW | | 533 | | 500 | | | |
| 3 - INITIAL SHUT-IN | | 1347 | | 1241 | | | |
| 4a - 2nd INITIAL FLOW | | | | | | | |
| 4b - 2nd FINAL FLOW | | | | | | | |
| 4c - 2nd SHUT-IN | | | | | | | |
| 5 - 3rd INITIAL FLOW | | 747 | | 689 | | | |
| 6 - FINAL FLOW | | 1368 | | 1275 | | | |
| 7 - FINAL SHUT-IN | | 1414 | | 1314 | | | |
| 8 - FINAL HYDROSTATIC | | 1447 | | 1354 | | 1541 | |

Chevron Standard Ltd. Company
 660 10' 1370 45'
 SOBC Wm E. Porcupine TY-1-13
 Well Name and Description
 #8
 Test No.
 April 29/71
 Date of Test

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.

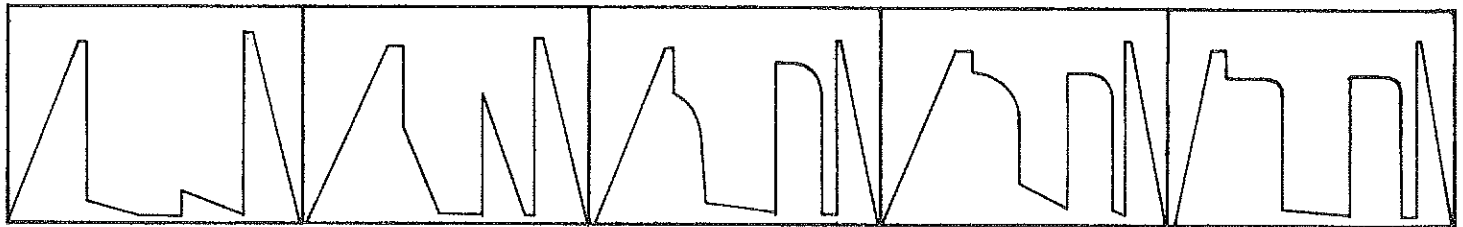


1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
- 4a. 2nd INITIAL FLOW
- 4b. 2nd FINAL FLOW
- 4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

K-3 recorders. Read from left to right.

Typical charts for visual field analysis ranging from very low to high permeability.



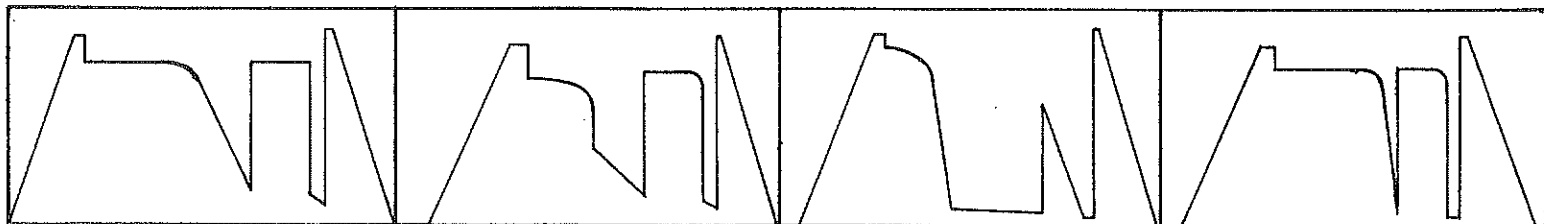
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

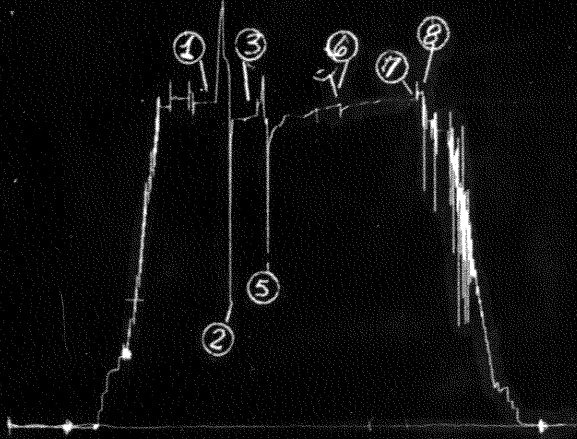
Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

SOBC WM E PORCUPINE VT 1-13

66° 02' 35.00 137° 46' 58.00

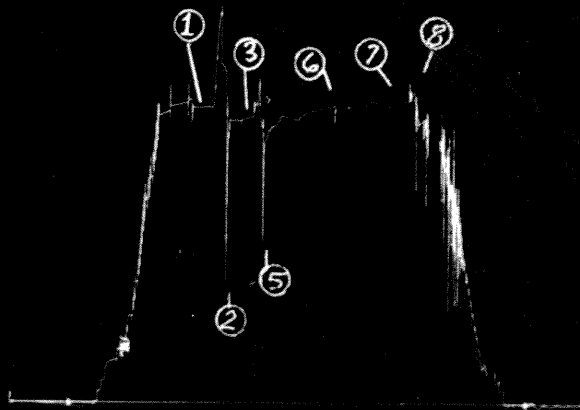
5578-8 PLUGGED TOOL



SOBC WM E PORCUPINE VT 1-13

66° 02' 35.00 137° 46' 58.00

4379-8 PLUGGED TOOL



SDBC WM E PORCUPINE YT 1-13

66°02'35.00 137°46'58.00

5812-B PLUGGED TOOL

BELOW STRADDLE

