

DRILL-STEM TEST DATA

| | | | |
|---|---------------------------|-----------------------------|--|
| Well Name <u>Western Minerals N Hope YTF - 54</u> | | Test No <u>Two</u> | |
| Well Number <u>66 40°N - 138 15°W</u> | | Zone Tested | |
| Company <u>Western Minerals Ltd.</u> | | Interval <u>8220 - 8300</u> | |
| Comp Rep. <u>C. Gilbreath</u> | Tester <u>Mel Moscrip</u> | Date <u>June 19, 1970</u> | |

Type of Test Initial Bottom RFS Tool No. 11

Pretflow 15 mins. ISI 60 mins. Flow 20 mins. FSI _____ mins

| Specify Inside or Outside | INS REC. No. <u>2013</u> | OUT REC. No. <u>3023</u> | REC. No. _____ |
|---------------------------|--------------------------------------|---------------------------------------|----------------------|
| | <u>6200</u> RANGE <u>12</u> HR CLOCK | <u>5300</u> RANGE <u>24</u> HR. CLOCK | RANGE _____ HR CLOCK |
| DEPTH | <u>8202</u> | <u>8260</u> | |
| Initial Hydro Mud Press | <u>3788</u> | | |
| Initial Shut-In Press | <u>3589</u> | | |
| Initial Flow Press | <u>Plugged</u> | | |
| Final Flow Press | <u>Plugged</u> | | |
| Final Shut In Press | | | |
| Final Hydro Mud Press | <u>3810</u> | | |

Mud Drop 20' Fluid Loss _____ Mud Weight 8.9
 Viscosity 65 Temperature °F 224 Net Pay Tested _____
 Top Packer Depth 8214 Bottom Packer Depth 8220 Total Depth 8300
 Drill Pipe Size 4 1/2" FH & XH Wt. _____ Drill Collar I.D. 2 7/8" Ft. Run 593.86'
 Surface Choke Size _____ Bottom Choke Size 1/2 Main Hole Size 8 1/2
 Anchor Size 4 3/4" Rat Hole Size _____ Feet of Rat Hole _____
 Cushion Amount 800 Type Water Rubber Size 7 1/2" X 2'

Fluid Recovery Total Feet 1000'
 Recovered 800 Feet of Water cushion
 Recovered 200 Feet of Mud
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____

| Gas Recovery | How Measured | Riser size: |
|--------------|-------------------------------|------------------------------------|
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |
| _____ mins. | Temp. °F Press Rdg. _____ psi | Orifice Size _____ = _____ MCF/Day |

Bleed Off Time for Drill Pipe _____

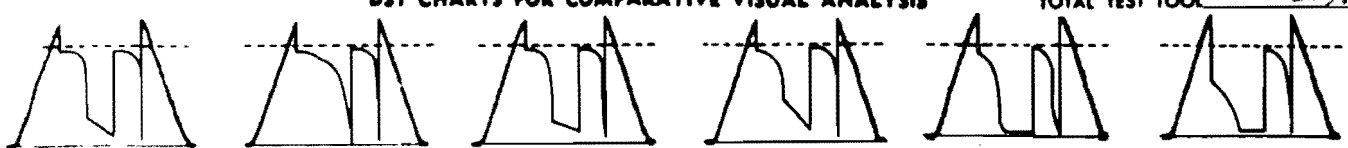
REMARKS Weak initial puff dying in 7 mins. Weak air blow dying in 5 mins. Chased packers to bottom 45'. Misrun due to extreme plugging. Pressure readings shown above could also be in error due to plugging.



TESTING REPORT



| | | |
|--------------------------------|---------------------------|---------------------------------|
| 4S LANDING SUB | | |
| COS | 1.00 | |
| P.O. SUB | 1.00 | |
| CO SUB | 4.00 | |
| SHUT IN TOOL | 5.20 | |
| R.F.S. No. 11 | 3.30 | |
| R.F.S. No. | | |
| HYDRAULIC TOOL | 7.20 | |
| JARS | 6.00 | |
| RECORDER No. 2013 | 5.00 | DEPTH 8202 |
| RECORDER No. | | DEPTH |
| SAFETY JOINT | 1.75 | |
| BY PASS SUB | | |
| 1. PACKER DEPTH 8214 | PACKER 6.00 | |
| 2. PACKER DEPTH 8220 | PACKER 5.00 | TOTAL TOOL ABOVE INTERVAL 45.45 |
| | ANCHOR—SPECIFY 1.00 | |
| | BLANK OFF OR BY PASS SUR | |
| | RECORDER No. | DEPTH |
| 3. PACKER DEPTH | PACKER | TOTAL INTERVAL 80.40 |
| 4. PACKER DEPTH | PACKER | |
| | ANCHOR—SPECIFY Perf 38.00 | |
| | RECORDER No. 3023 5.00 | DEPTH 8260 |
| | COS 1.00 | |
| | Drilling Collar 31.40 | |
| | COS 1.00 | |
| TOTAL DEPTH 8300 | BULLNOSE 3.00 | TOTAL TAIL PIPE 80.40 |
| | | TOTAL TEST TOOL 125.85 |



B HIGH PERMEABILITY STRONG DAMAGE EFFECT HIGH PERMEABILITY NO DAMAGE EFFECT MEDIUM PERMEABILITY STRONG DAMAGE EFFECT MEDIUM PERMEABILITY NO DAMAGE EFFECT LOW PERMEABILITY STRONG DAMAGE EFFECT LOW PERMEABILITY NO DAMAGE EFFECT

