



DRILL-STEM TEST DATA

Well Name	Western Minerals YTF - 54	Test No	Three
Well Number	N Hope YTF 54	Zone Tested	
Company	Western Minerals Limited	Interval	10845 - 10970
Comp Rep.	Mr. C.D. Gilbreath	Tester	Joe Hugi
		Date	August 6, 1970

Type of Test Dual Straddle By-Pass RFS Tool No. 11 Drained at location
 Preflow _____ mins. ISI _____ mins. Flow _____ mins. FSI _____ mins

Specify Inside or Outside	INS REC. No. <u>887</u>	OUT REC. No. <u>888</u>	REC No. _____
	<u>7700</u> RANGE <u>24</u> HR. CLOCK	<u>7900</u> RANGE <u>24</u> HR. CLOCK	RANGE _____ HR. CLOCK
DEPTH			
Initial Hydro Mud Press	<u>5447</u>	<u>5442</u>	
Initial Shut-In Press	<u>3802</u>	<u>3824</u>	
Initial Flow Press	<u>2355</u>	<u>2492</u>	
Final Flow Press			
Final Shut-In Press	<u>3915</u>	<u>3928</u>	
Final Hydro Mud Press	<u>5119</u>	<u>5116</u>	

Mud Drop 4' Fluid Loss _____ Mud Weight 9.6
 Viscosity 300 Temperature °F 190 Net Pay Tested _____
 Top Packer Depth 10845 Bottom Packer Depth 10970 Total Depth 14045
 Drill Pipe Size 4 1/2" FH Wt. 16.6 Drill Collar I.D. 2 3/8" Ft. Run 180
 Surface Choke Size Closed Bottom Choke Size 1/2" Main Hole Size 8 3/4"
 Anchor Size 4 3/4" O.D. Rat Hole Size _____ Feet of Rat Hole _____
 Cushion Amount 3040 Type Water Rubber Size 7 1/2"

Fluid Recovery Total Feet 3590
 Recovered 100 Feet of Muddy Water
 Recovered 3040 Feet of Water Cushion
 Recovered 450 Feet of Slightly gas cut mud
 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: Small airblow, Dead after 10 mins. Small airblow on initial flow - dead after 20 mins. Misrun - unable to obtain flow period due to very crooked hole. The shut in and flow period stages were missed.



TESTING REPORT



45 LANDING SUB	_____	_____
45 CHAMBER	_____	_____
45 TOOL OR P.O. SUB	_____	5.00
CO SUB	_____	1.00
SHUT IN TOOL	_____	5.50
R.F.S. No. <u>11</u>	_____	3.35
R.F.S. No.	_____	_____
HYDRAULIC TOOL	_____	7.20
JARS	_____	6.00
RECORDER No. <u>887</u>	_____	5.00
RECORDER No.	_____	_____
SAFETY JOINT	_____	1.75
BY PASS SUB	_____	1.00
PACKER	_____	6.00
PACKER	_____	5.00
ANCHOR—SPECIFY	_____	1.00
<u>Perfs</u>	_____	20.00
BLANK OFF OR BY PASS SUR	_____	1.00
RECORDER No. <u>888 Out</u>	_____	4.00
RECORDER No.	_____	_____
<u>Drill Collar & COS</u>	_____	95.90
PACKER	_____	3.00
PACKER	_____	3.00
PACKER	_____	6.00
ANCHOR—SPECIFY	_____	_____
<u>Perfs</u>	_____	13.00
RECORDER No.	_____	_____
RECORDER No.	_____	_____
<u>Drill Pipe & COS</u>	_____	30.6
<u>Perfs</u>	_____	4.00
BULLNOSE	_____	3.00

DEPTH 10832
DEPTH _____

1. PACKER DEPTH 10839

2. PACKER DEPTH 10845

3. PACKER DEPTH 10970

4. PACKER DEPTH 10976

TOTAL DEPTH 14045

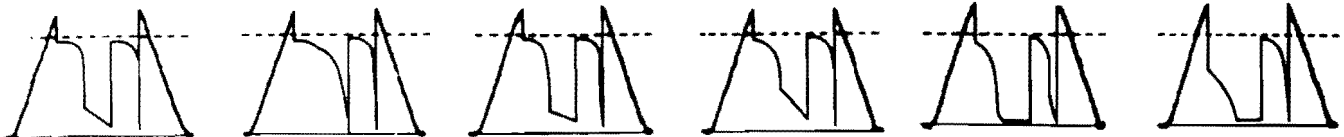
TOTAL TOOL ABOVE INTERVAL 46.80

TOTAL INTERVAL 125.00

TOTAL TAIL PIPE 3075.00

TOTAL TEST TOOL 3246.80

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



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

DRILL STEM TEST NUMBER THREE

POINT	RECORDER # 887	RECORDER # 888
A	5447	5442
B	3802	3824
C	2355	2492
D	3915	3928
E	5119	5116

TIME DEFLECTIONS

IN MINS.

POINT	RECORDER # 887
A-B	59
B-D	21

