

BJ SERVICE DIVI
BORG-WARNER (CANADA)



DRILL-STEM TEST DATA

Well Name	Western Minerals YTF - 54	Test No	Three
Well Location	N Hope YTF 54	Zone Tested	
Company	Western Minerals Limited	Interval	10345 - 10970
Operator	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	IN REC No	OUT REC No	REF No
	387	888	
	7700 RANGE 24 HR CLOCK	7400 RANGE 24 HR CLOCK	RANGE HR
DEPTH			
Initial Hydro Mud Press	5447	5442	
Initial Water Press	3202	3824	
Initial Flow Press	2355	2492	
Final Flow Press			
Final Water Press	3915	3928	
Final Hydro Mud Press	5119	5116	

Mud Drop 41 Fluid Loss _____ Mud Weight 9.6
 Viscosity 300 Temperature °F 190 Net Pny Tested _____
 Top Packer Depth 10845 Bottom Packer Depth 10970 Total Depth 10845
 Drill Pipe Size 4 1/2" PH Wt 16.6 Drill Collar ID 2 3/8" Ft Run 180
 Surface Choke Size Closed Bottom Choke Size 1" Main Hole Size 8 1/2"
 Annulus Size 4 1/2" 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 _____

Flow Recovery	How Measured	Riser size
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day
mins	Temp. F Press Rdg _____ ps. Orifice Size _____	MCF Day

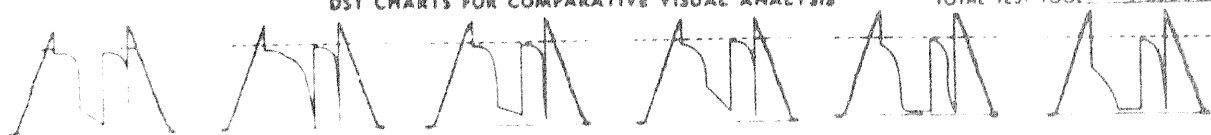
REMARKS Small airblow, Dead after 10 mins. Small airblow on initial flow - dead after 10 mins. Misrun - unable to obtain flow period due to very crooked hole. The shut in and flow period stages were missed.



TESTING REPORT



	45 LANDING SUB		
	45 CHAMBER		
	45 TOOL OR P.O. SUB	5.00	
	CO SUB	3.00	
	SHUT IN TOOL	5.50	
	R.F.S. No. 11	3.35	
	R.F.S. No.		
	HYDRAULIC TOOL	7.20	
	JARS	6.00	
	RECORDER No. 327	5.00	DEPTH 10330
	RECORDER No.		DEPTH
	SAFETY JOINT	1.75	
	BY PASS SUB	1.00	
1	PACKER DEPTH 1093	PACKER	6.00
2	PACKER DEPTH 10740	PACKER	5.00
		ANCHOR—SPECIFY	1.00
		Perfs	20.00
		BLANK OFF OR BY PASS SUR	1.00
		RECORDER No. 338 Out	4.00
		Drill Collar & CGS	95.90
3	PACKER DEPTH 10970	PACKER	3.00
			3.00
			TOTAL INTERVAL 125.00
4	PACKER DEPTH 10970	PACKER	6.00
		ANCHOR—SPECIFY	
		Perfs	13.00
		RECORDER No.	DEPTH
		Drill Pipe & CGS	3046
		Perfs	4.00
		BULLNOSE	3.00
TOTAL DEPTH	14045	TOTAL TAIL PIPE	3075.00
		TOTAL TEST TOOL	3244.30



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

