



DRILL-STEM TEST DATA

Well Name	Canoe River Chance Y7 J-19	Test No.	5
Well Number	YT J-19	Zone Tested	Chance Sand
Company	Western Minerals	Interval	4364 - 4449
Comp. Rep.	Tester P. Seemann	Date	Jan. 31, 1968

Preflow 3 mins ISI 31 mins Flow 120 mins FSI 35 mins

Specify Inside or Outside	Ins. REC. No. <u>2845</u>	Outs. REC. No. <u>2844</u>	REC. No.
	<u>6400</u> RANGE <u>12</u> HR. CLOCK	<u>6350</u> RANGE <u>12</u> HR. CLOCK	RANGE _____ HR. CLOCK
DEPTH	<u>4365</u>	<u>4383</u>	
Initial Hydro Mud Press	<u>2410</u>	<u>2415</u>	
Initial Shut-In Press	<u>1954</u>	<u>2056</u>	
Initial Flow Press	<u>1384</u>	<u>1424</u>	
Final Flow Press	<u>1479</u>	<u>1482</u>	
Final Shut-In Press	<u>1949</u>	<u>1916</u>	
Final Hydro Mud Press	<u>2410</u>	<u>2426</u>	

Mud Drop Nil Fluid Loss 3.4 Mud Weight 10.4

Viscosity 95 Temperature °F 119 Net Pay Tested 26

Top Packer Depth _____ Bottom Packer Depth 4364 Total Depth 4449

Drill Pipe Size 4 1/2" FH Wt. 16.6 Drill Collar I.D. 2 7/8" Ft. Run 354

Surface Choke Size Adj. Bottom Choke Size 1/2" Main Hole Size 8 5/8"

Anchor Size 4 3/4" + 7" OD Rat Hole Size _____ Feet of Rat Hole _____

Cushion Amount _____ Type _____ Rubber Size 7 1/2"

Fluid Recovery Total Feet 175 Type of Test Single Bottom Hole

Recovered 175 Feet of _____

Recovered _____ Feet of _____

Recovered _____ Feet of _____

Gas Recovery How Measured Side static 2" riser

80 mins. Press Rdg. 16 psi Orifice Size _____ = 5,040 MCF/Day

90 mins. Press Rdg. 11 psi Orifice Size _____ = 4,220 MCF/Day

_____ mins. Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day

_____ mins. Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day

RFS Tool No. _____ Bleed Off Time _____

REMARKS: G.I.P. Gas to surface in 3 mins. Mud to surface in 10 mins.

		4S LANDING SUB _____	_____	
		4S CHAMBER _____	_____	
		4S TOOL OR P.O. SUB _____	_____	
		CO SUB _____	1.00	
		SHUT IN TOOL _____	5.20	
		RES. No. _____	_____	
		HYDRAULIC TOOL _____	7.10	
		JARS _____	4.40	
		RECORDER No. _____	_____	DEPTH _____
		RECORDER No. _____	_____	DEPTH _____
		SAFETY JOINT _____	1.75	
		BY PASS SUB _____	_____	
		PACKER _____	_____	
1.	PACKER DEPTH _____			
		PACKER _____	5.00	
2.	PACKER DEPTH <u>4364</u>			
		ANCHOR—SPECIFY _____	1.00	TOTAL TOOL ABOVE INTERVAL <u>24.45</u>
		_____	_____	
		BLANK OFF OR BY PASS SUB _____	_____	
		RECORDER No. <u>2845 Ins.</u>	5.00	DEPTH <u>4365</u>
3.	PACKER DEPTH _____			TOTAL INTERVAL <u>85.22</u>
		PACKER _____	_____	
4.	PACKER DEPTH _____			
		ANCHOR—SPECIFY _____	_____	
		Perfs. _____	12.00	
		Recorder No. <u>2844 Outs.</u>	5.00	Depth <u>4383</u>
		Drill Collars CO Subs _____	59.52	
		_____	_____	
TOTAL DEPTH <u>4504</u>		BULLNOSE _____	2.70	TOTAL TEST TOOL <u>50.15</u>

BST 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



DST PRESSURE INCREMENTS

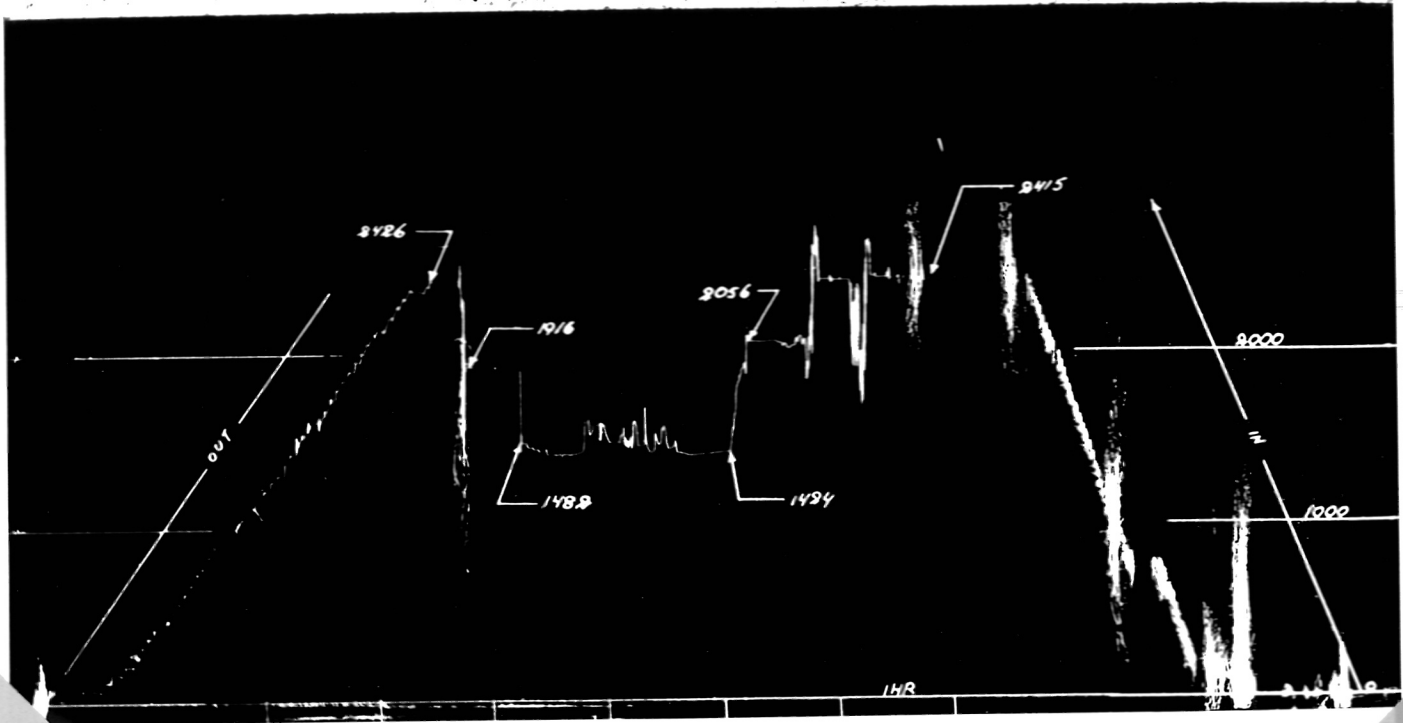
Recorder No. 2845

Depth 4365

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	0			1414	0			1479
2	5			1954	5			1946
3	10			1954	10			1947
4	15			1954	15			1949
5	20			1954	20			1949
6	25			1954	25			1949
7	30			1954	30			1949
8	31			1954	35			1949
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Outside Recorder # 2844 shows perforation plugging, which was due to poor communication between interval and recorder. The tailpipe was set in a considerable amount of fill which plugged the perforations below the drill collars, the only source to activate the recorder. The reason for placing a recorder in this position was due to blow out danger, to allow the closing of the B.O.P.s around the drill collars and prevent the fluid from blowing through the inside of the collars.

Canoe River Chance YT G-19
Outs. recorder # 2844 Test # 5



Canoe River Chance YT G-19
Ins. recorder # 2845 Test # 5

