



J.F. 18 E. 45

TEST DATA				
Type of Test	Open hole, Straddle, Conventional.			
Time Started in Hole	1000	Hrs.	Tool Opened	Hrs.
First Flow	10	Min.	Initial Shut-In	60 Min.
Second Flow	60	Min.	Second Shut In	Min.
Third Flow		Min.	Final Shut In	120 Min.
Pulled Loose @	1610	Hrs.	Out of Hole	Hrs.
Wt. Set/on Packers	30,000	#	Pulled Loose Wt.	#
Description of Blow During Test Good initial puff, fair air blow throughtout flow period.				

Description of Blow During Test Good initial puff, fair air blow throughtout flow period.				
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FLUID RECOVERY				
Was Test Reverse Circulated	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Total Fluid Recovered	743'			Ft.
Description of Fluid Recovered				
250' Drilling fluid.				
493' Mud cut water.				

GAS BLOW MEASUREMENT			
Measured With			I.D. Riser
Time	Sfce. Choke	M Cubic Feet/Day	
		NIL	

REMARKS: Test satisfactory.

RESISTIVITY		SALT CONTENT	
Recovery Water	@	°F.	ppm.
Mud Pit sample filtrate	@	°F.	ppm.
District	Inuvik	Ticket No.	D07801
Company	Chevron Standard Limited		Date
Well Name	Chevron SOBC WM Whitefish YPJ-70		March 31, 1973
Number	67°09'32"N 137°26'44"W		Test No.
Formation			1
Interval	6740 - 6812	Thickness	J.T. No. 1
		T.D. 6812'	
Distribution of Reports 10 - Calgary Attention: Information Centre.			

TOOL SEQUENCE		
Tool	Length	O.D.
P.O. Sub	.90	
Sub	.50	
MFE Tool	9.10	
Bypass Tool	3.00	
Jars	6.30	
Safety Joint	1.90	
S.S. & Packer		
T.C. & Packer	9.50	7 3/4"
T.C. & Packer	5.30	7 3/4"
Total	36.50	
Stub	1.00	
Perfs	18.00	
Recorder	5.50	
Recorder	5.50	
Sub	.85	
Drill Collars	30.55	
Sub	.80	
Perfs	10.00	
B.N. & Perf	1.50	
Total Interval	73.70	

TOTAL LENGTH	
Elevation G.L.	K.B.
Bottom Hole Choke Size 1/2"	
Fluid Cushion Type	Amt.

MUD AND HOLE DATA		
Mud Type	Gel	W.L. 8.0
Filter Cake	2/32 Vis	130Wt. 10.1
Time Taken		
Contractor	G.P. Drilling Rig No. 15	
Drill Pipe Size	4 1/2" FH	
Drill Collar Size	2 7/8" ID &	
Drill Collar Length	493' &	
Main Hole Size	8 3/4"	Rat Hole

District	Inuvik	Ticket No.	D07801	Date	March 31, 1973	Test No.	1	J.T. No.	1
Company	Chevron Standard Limited		Address	400 - 5 Ave. S.W.					
Well Name	Chevron SOBC WM Whitefish YPJ-70		Field	Wildcat		Province	Alberta		
Number	67°09'32"N 137°26'44"W		Co. Rep.	C. Moensch					
Formation			Thickness						
Interval	6740 - 6812		T.D.	6812'					
Distribution of Reports 10 - Calgary Attention: Information Centre.									



JOHNSTON TESTERS
 A DIVISION OF SCHLUMBERGER CANADA LIMITED
 321 - 50th AVENUE S.E. CALGARY, ALBERTA T2G 2B3

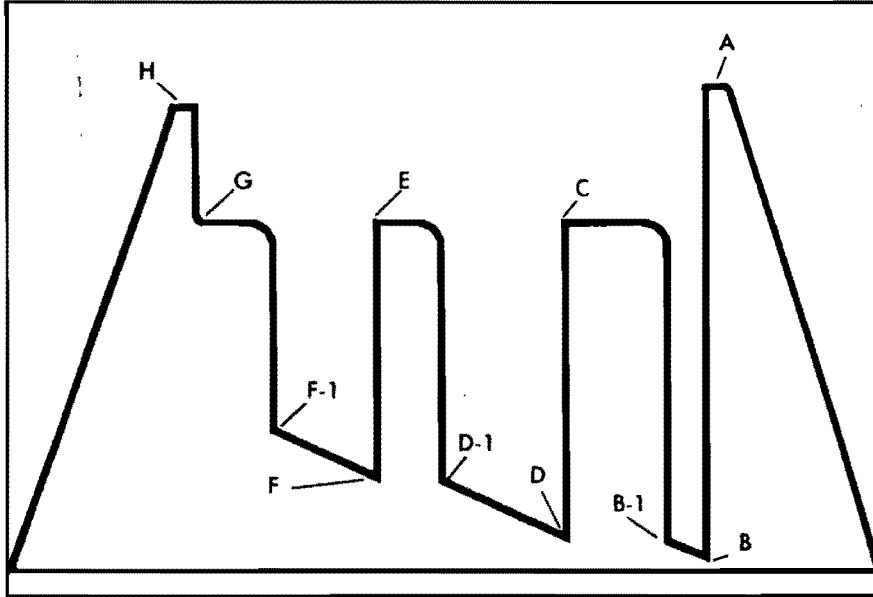
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO.

D07801

RECORDER NO.

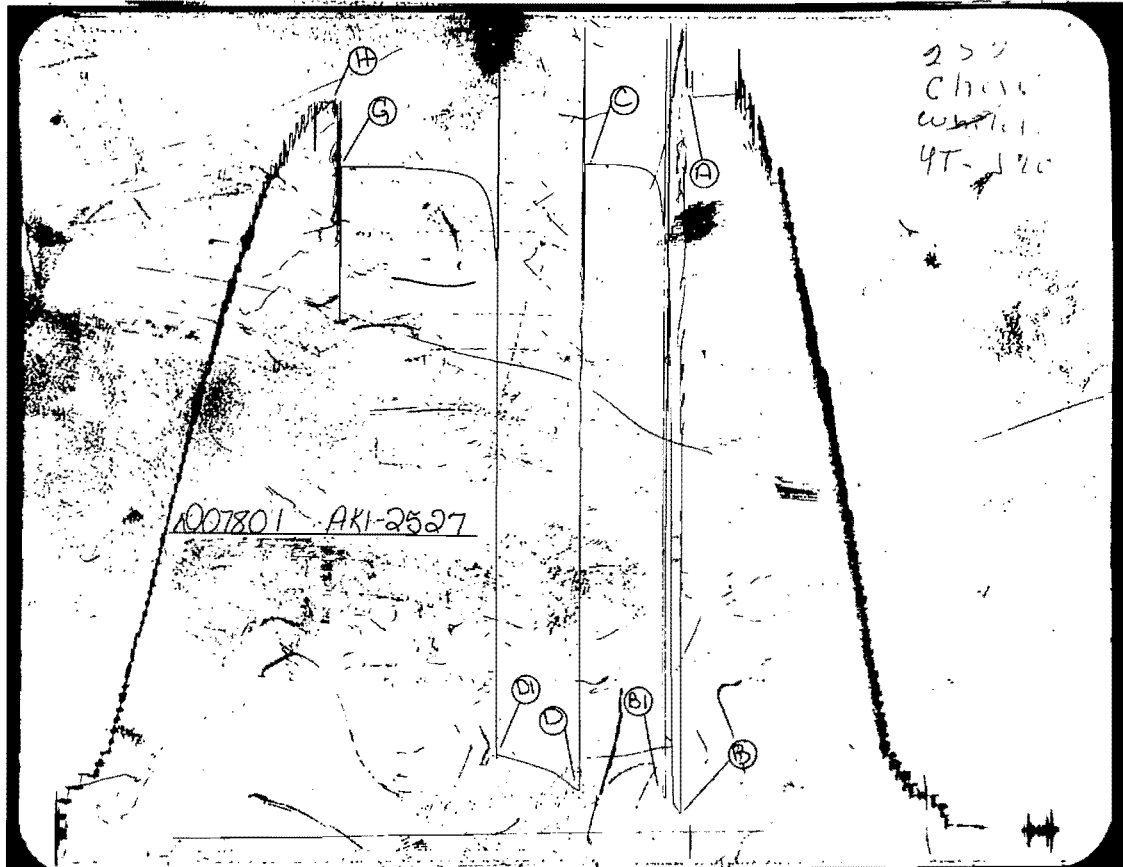
AK1-2527

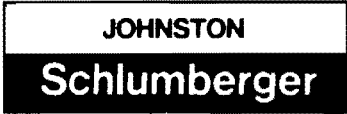


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z - Special pressure points such as pumping pressures recorded for formation breakdown.





JOHNSTON TESTERS

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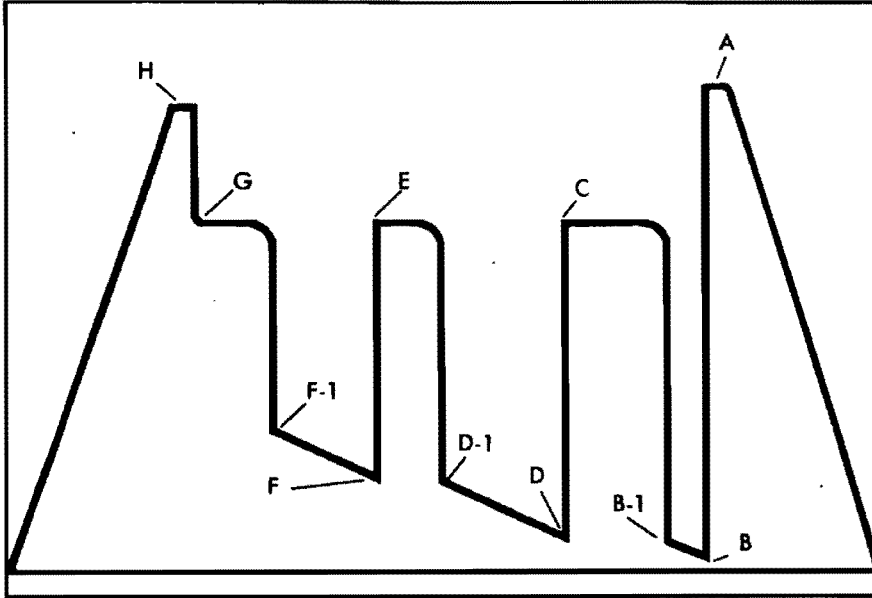
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO.

RECORDER NO.

D07801

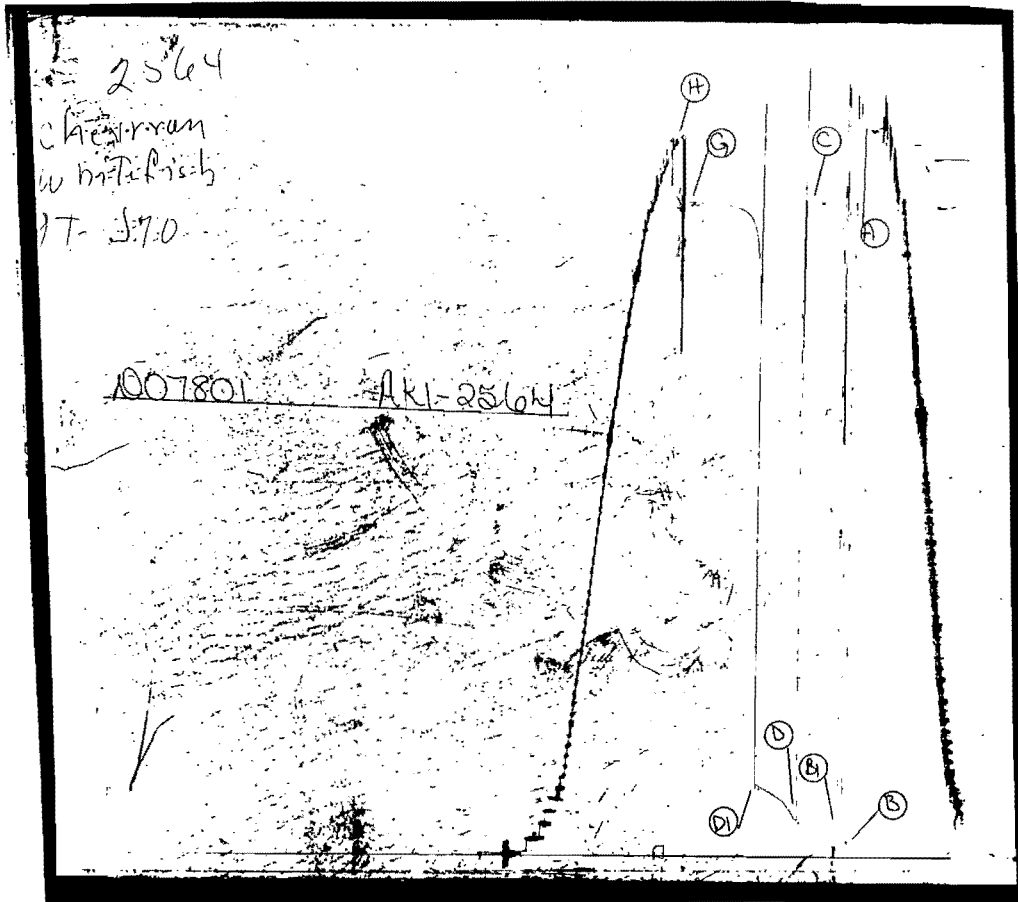
AK1-2564



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z - Special pressure points such as pumping pressures recorded for formation breakdown.



To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.
 À présenter en double dans les trente jours suivant l'achèvement, le remaniement, l'abandon et le reconditionnement de chaque puits, ou après suspension.

Well Name & No - Nom et n° du puits Chevron SOBC WM Whitefish YT J-70	Permit No. - N° de permis 2727	Lease No. - N° de concession
(Permittee, License, Lessee) - (Détenant de permis ou de licence, du concessionnaire) Western Minerals Ltd.	Exploratory Licence No. - N° de licence de sondage 1541	
(Operator) - (Exécutant) Chevron Standard Limited	Exploratory Licence No. - N° de licence de sondage 1502 SOBC-1501	

LOCATION - EMPLACEMENT	
Unit - Unité J	Section 70
Grid - Étendue quadrillée 67-10-137-15	Longitude 137° 26' 44"
Latitude 67° 09' 32"	
Unique Well Identifier - Code d'ordinateur 300J706710137150	Universal Well Location Reference - Références universelles d'emplacement du puits Lat. 67.15889° N Long. 137.44555° W

	Date	Depth - Profondeur	Pool(s) Gisement(s)
Spudded Début des travaux	Jan. 17/73	75' KB	
Suspended Suspension des travaux	Feb. 18/73		Interval(s) Open to Production Intervalle(s) de production
Resumed Operations Reprise des travaux			
Finished Drilling Forage terminé		6980' KB	
Deepened Approfondissement			
Complete (Gas/Oil) Achèvement (Gaz/Pétrole)			Elevation: Gr. 1070 K.B. 1085 Altitude du sol du carré d'entraînement
Abandoned Abandon		6980' KB	15 Drilling Contractor GP Drilling N° de la tour de grage Entrepreneur en forage
Rig Released Fin des travaux	April 10/73	Surface	Contractor's Business Licence No. N° du permis de l'entrepreneur

CASING RECORD - TUBAGE

Casing Size (Inches) Diamètre (en pouces)	Grade Qualité	Weight Poids	Amount Longueur	Set at - Fixation à	Sacks of Cement and Additives Sacs de ciment et d'additifs
19	ERW		60	75	200sx BJ Coldset
13-3/8	K-55	54.5	891.41	908	875sx + 3% CaCl₂
1.					
2.					
3.					
4.					
5.					
6.					

Geological Tops Sommet des formations	Elevation - Profondeur		Core Record - Carottes					
	Depths Sous le niveau du sol	Sub-Sea Sous le niveau de la mer	From - de	To - à	Rec. Récupérées	From - de	To - à	Rec. Recup.
Eagle Pinin	Surface	-1067	6714	6721	0.5			
Blackie S.S.	2866	-1772						
U. Albian Shale	3360	-2293						
M. Albian Uncon.	4720	-3633						
Basal Cret.	4720	-3633						
Siltstone Unit	5142	-4055						
Hauterivian SS.	6472	-5385						

Log Record - Diagrammes			
Run Série	Type of Log Genre de diagramme	From - De	To - À
1	Minilog Caliper	6979'	908'
1	BHC Acoustilog	6974'	10'
1	Dual Induction Focused	6975'	908'

CEMENTING RECORD (Plug, Squeeze, etc.) CIMENTATION (Bouchon, sous pression, etc.)				PERFORATING RECORD (Bullet, Jet) PERFORATION (à balles, à jet)				SERVICING RECORD (Acidizing, Fracing, etc.) ENTRETIEN (acidification, fracturation, etc.)			
Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques	Date	From - de	To - à	Remarks - Remarques
4/9/73	6980	6700	165 sax. no feel								
4/9/73	5900	5700	120 sax. felt plug at 5660'								
4/9/73	3000	2800	144 sax plus 3% CaCl ₂ felt at 2750'								
4/10/73	950	850	100 sax plus 3% CaCl ₂ felt at 820'								
4/10/73	5 sax	surface	Welded steel plate installed well sign								

DRILL STEM TESTS - ESSAIS AUX TIGES

No. - N°	Date	Formation	From - de	To - à	V.O. Mins. Vanne ouverte (minutes)	I.S.I. Mins. Première obturation (minutes)	F.S.I. Mins. Obturation définitive (minutes)	I.S.I.B.H.P. Pression de fond à la 1 ^{re} obturation	F.S.I.B.H.P. Pression de fond à l'obturation définitive	I.F.B.H.P. Pression de fond au jaillissement	F.F.B.H.P. Pression de fond à l'écoulement définitif	L.H.P. Pression hydrostatique de début	F.H.P. Pression hydrostatique définitif	Remarks - Remarques
1	3/31/73	Johnson Ck.	6738	6812	60	60	120	3248	3248	201	380	3588	3569	Recovered 250' drilling mud and 493' mud cut water
2	4/7/73	Johnson Ck.	6885	6980				MISRUN	- COULD NOT GET TO BOTTOM.					
3	4/8/73	Johnson Ck.	6885	6980	120	45	90	3150	3170	1347	2762	3655	3588	GTS in 90 mins. - TSTM 450' of drilling mud 5790' of slightly gas cut water

ANALYSIS - ANALYSE

Lab. No. N° de laboratoire	Sample Echantillon	From - de	To - à	Source	Remarks - Remarques
C73-6385	Water	6738	6812	DST #1	(6.5' recovery)
7004-3198	Core	6714	6721	Core #1	
C73-6378	Water	6885	6980	DST #3	
E73-3900	Gas	6885	6980	DST #3	

**PRESENT STATUS OF WELL
ETAT ACTUEL DU PUIT**

Oil Pétrole	(Interval)(Intervalle)
Gas Gaz	(Interval)(Intervalle)
Dry Sec	
Susp. Travaux sus.	

Company
Société **Chevron Standard Limited**

Signed by
Signé par *[Signature]*

Title
Titre **Project Manager**

Date **May 31, 1973**

Forms to be prepared in duplicate and forwarded to the District Conservation Engineer.

Présenter les formules remplies à l'ingénieur en conservation du district.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No E73-3900 Received: Apr. 11, 1973 Reported: Apr. 12, 1973

Well: Chevron SOBC Whitefish YT-J-70 Operator: CHEVRON STANDARD LIMITED

Field or Area: Wildcat Location: Elev.: K.B. Grd.

Zone and Formation: Sample Interval: 6885' - 6980'

Well production at sampling time: Oil bpd; Gas MCFD; Water bpd.

Sampled from: Sampled by: Date: Apr. 9, 1973

Pressure: (a) at point of sampling psig (b) Gas Bomb pressure psig

Temperature: (a) at point of sampling °F (b) Separator °F

Pressures: Reservoir Tubing Casing Separator

OTHER PERTINENT DATA Sampled at 11:30 A.M. Container #1023.

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA	G.P.M. (Calculated)	SPECIFIC GRAVITY
Helium	0.05		pentanes + 0.021	Calculated 0.576
Hydrogen sulfide	0.		at 12 lbs. 0.024	by Weight .573
Carbon dioxide	0.15		at 15 lbs. 0.025	CRITICALS (Calculated)
Nitrogen	1.95		at 22 lbs. 0.030	Pc 670.1
Methane	95.83		at 26 lbs. 0.034	Tc 345.8
Ethane	1.72		VAPOR PRESSURE (Calc.) @ 100°F. Pentanes +	6.38
Propane	0.14	0.032	H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a.	0.
Isobutane	0.09	0.024	GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry)	1004.9
N-butane	0.01	0.003	(sat.)	987.3
Isopentane	0.01	0.003	Acid Gas Free (dry)	1006.4
N-pentane	TRCE	0.	DEW POINT (Calc.) p.s.i.	950 1050 1200
Hexanes	0.02	0.007	FAH.	-27 -30 -34
Heptanes	0.02	0.007	Mol. Wt.: Total Gas	16.679 Heptanes + 102.093
Octanes	0.01	0.004	Received at 3 psig. Prior to analysis sample was heated to 180°F.	
Nonanes	0.	0.		
Decanes +	0.	0.		
TOTAL	100.00	0.080		

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C73-6378

Received: April 11, 1973 Reported: April 13, 1973

Well: Location: Chevron SOBC WM Whitefish YT-J70

Operator: CHEVRON STANDARD LIMITED

Field or Area: Whitefish R

Elev.: K.B. 1087' Grd.

Zone/Formation:

Sample Interval: 6885' - 6980'

Method of Production: D.S.T. #3

Sampled from: Tool Top

Sampled by: Johnston Testers

Date: April 8, 1973

OTHER PERTINENT DATA

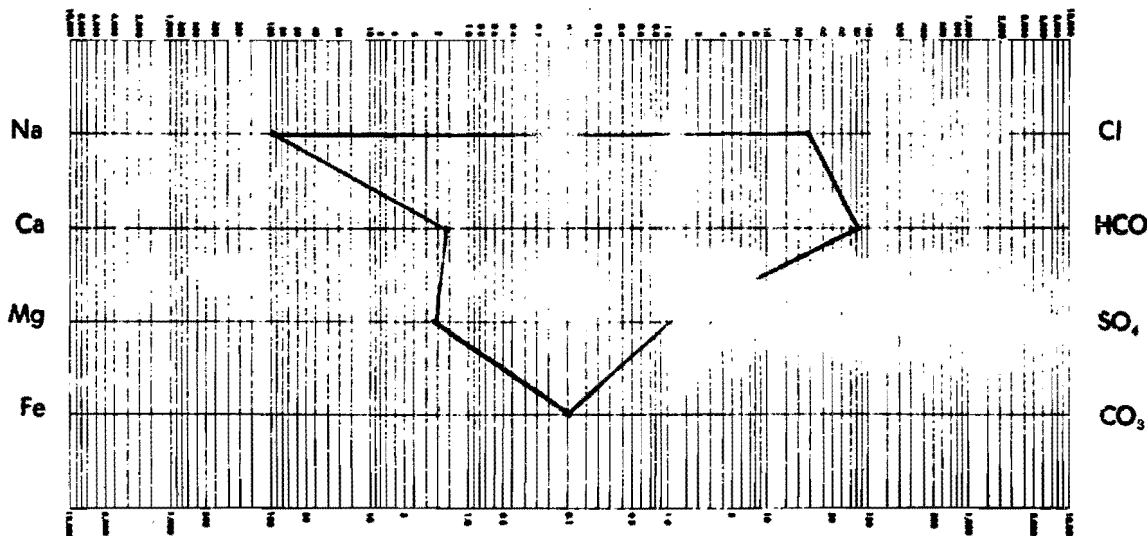
Recovered: 5790' water.

(Signed)

	Na & K	Ca	Mg					SO ₄	Cl			CO ₃	HCO ₃		
Mg./L	2253	32	27					54	1000			---	4420		
Meq./L	98.00	1.60	2.22					1.12	28.20			---	72.49		
Meq. %	48.12	0.79	1.09					0.55	13.85			---	35.60		

Total Solids Mg/L: By Evaporation 5584 Fe Present Specific Gravity 1.010 @60°F Observed pH 7.9 @ 77 °F
 Calculated 7786 After Ignition 4024 H₂S Nil Refractive Index 1.3342 @25°C Resistivity 1.19 ohm meters @ 68 °F
 Organic matter - Present

Pattern Unit Meq./L



Remarks and Conclusions

Analysis determined on a clear colorless filtrate recovered from water containing a trace of sediment and a trace of hydrocarbon.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS

Lab No. C73-6385

Received: April 13, 1973 Reported: April 16, 1973

Well: Location: Chevron SOBC WM Whitefish YT J-70

Operator: CHEVRON STANDARD LIMITED

Field or Area: Whitefish R

Elev.: K.B. 1087' Grd. 1070'

Zone/Formation: Lower Cretaceous

Sample Interval: 6740' - 6812'

Method of Production: D.S.T. #1

Sampled from: Bottom

Sampled by: Johnston Tester

Date: March 31, 1973

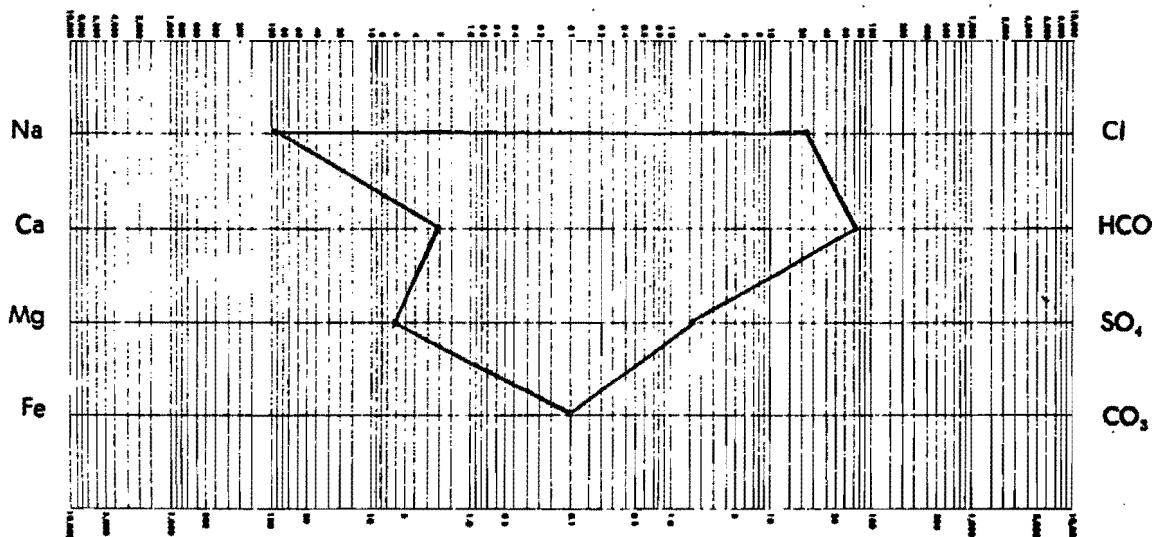
OTHER PERTINENT DATA

Recovered: 743' 250' mud, 493' mud cut water.

(Signed) *D. Shewchuk* /cc.

	Na & K	Ca	Mg				SO ₄	Cl			CO ₂	HCO ₃		
Mg./L	2111	40	75				79	900			---	4450		
Meq./L	91.83	2.00	6.17				1.64	25.38			---	72.98		
Meq.%	45.92	1.00	3.09				0.82	12.69			---	36.49		

Total Solids Mg/L: By Evaporation 5524 Fe Present Specific Gravity 1.007 @60°F Observed pH 7.8 @ 72°F
 Calculated 7655 After Ignition 3408 H₂S Nil Refractive Index 1.3341 @25°C Resistivity 1.25 ohm meters @ 68°F
 Pattern Unit Meq./L Organic matter - Present



Remarks and Conclusions
 Analysis determined on a clear colorless filtrate recovered from water containing approximately 20% sediment.

WELL NAME	OWNER	YR CORE	TOP	BOTTOM	LOCATION	TYPE
WHITEFISH YT J-70	CHEVRON	73	110	200	C-30179	MICRO
			200	300	C-30179	
			300	400	C-30179	
			500	600	C-30179	
			600	700	C-30179	
			700	800	C-30179	
			800	910	C-30179	
			960	1000	C-30179	
			1000	1100	C-30179	
			1100	1170	C-30179	
			1180	1300	C-30179	
			1300	1400	C-30179	
			1400	1500	C-30179	
			1500	1600	C-30179	
			1600	1700	C-30179	
			1700	1800	C-30179	
			1800	1900	C-30179	
			1900	2000	C-30179	
			2000	2100	C-30179	
			2100	2200	C-30179	
			2200	2300	C-30179	
			2300	2400	C-30179	
			2400	2500	C-30179	
			2500	2600	C-30179	
			2700	2800	C-30179	
			2800	2900	C-30179	
			2900	3000	C-30179	
			3000	3100	C-30179	
			3100	3200	C-30179	
			3200	3280	C-30179	
			3280	3300	C-30179	
			3300	3400	C-30179	
			3400	3500	C-30179	
			3500	3600	C-30179	
			3600	3700	C-30179	
			3700	3800	C-30179	
			3800	3900	C-30179	
			3900	4000	C-30179	
			4000	4100	C-30179	
			4100	4200	C-30179	
			4200	4300	C-30179	
			4300	4400	C-30179	
			4400	4500	C-30179	
			4500	4600	C-30179	
			4600	4700	C-30179	
			4700	4800	C-30179	
			4800	4900	C-30179	
			4900	5000	C-30179	
			5000	5100	C-30179	
			5100	5200	C-30179	
			5200	5300	C-30179	
			5300	5400	C-30179	
			5400	5500	C-30179	
			5500	5600	C-30179	
			5600	5700	C-30179	
			5700	5800	C-30179	
			5800	5900	C-30179	

WELL NAME	OWNER	YR CORE	TOP	BOTTOM	LOCATION	TYPE
WHITEFISH YT J-70	CHEVRON	73	5900	6000	C-30179	MICRO
			6000	6100	C-30179	
			6500	6600	C-30179	
			6600	6700	C-30179	
			6700	6770	C-30179	
			6890		C-30179	
			6900	6980	C-30179	