Computer Inventoried

ORIGINAL

WELL NAME:	Ochsher #1
COMPANY:	Cambrian Oil Corporation
LOCATION:	30-1S-41W Cheyenne County Kansas
DATE:	04/18/97

15-023-20351

TRILOBITE TESTING L.L.C.

OPERATOR : Cambrian Oil Corporation DATE 4-12-97
WELL NAME: Ochsher #1 KB 3613.00 ft TICKET NO: 9976 DST #1
LOCATION : 30-1S-41W Cheyenne KS. GR 3605.00 ft FORMATION: Toronto
INTERVAL : 4601.00 To 4618.00 ft TD 4618.00 ft TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	13339	13339	2341		
SI	60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12 HR	12 HR	Elec		
FS	60	Depth(ft)	4613.0	4613.0	4603.0	0.0	0.0

	Field	1	2	3	4
A. Init Hydro	2283.0	2586.0	2321.0	0.0	0.0
B. First Flow	384.0	389.0	369.0	0.0	0.0
C1. Final Flow	384.0	394.0	373.0	0.0	0.0
C. In Shut-in	1572.0	1582.0	1571.0	0.0	0.0
D. Init Flow	415.0	468.0	369.0	0.0	0.0
E. Final Flow	415.0	435.0	373.0	0.0	0.0
F. Fl Shut-in	1502.0	1512.0	1505.0	0.0	0.0
G. Final Hydro	2353.0	2360.0	2224.0	0.0	0.0
Inside/Outside		O	O	I	

TIME DATA----------
PF Fr. 1856 to 1926 hr
IS Fr. 1926 to 2026 hr
SF Fr. 2026 to 2056 hr
FS Fr. 2056 to 2156 hr

T STARTED 1526 hr
T ON BOTM 1854 hr
T OPEN 1856 hr
T PULLED 2156 hr
T OUT 0045 hr

RECOVERY
Tot Fluid 640.00 ft of 427.00 ft in DC and 393.00 ft in DP
640.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------
Tool Wt. 1800.00 lbs
Wt Set On Packer 30000.00 lbs
Wt Pulled Loose 60000.00 lbs
Initial Str Wt 50000.00 lbs
Unseated Str Wt 50000.00 lbs
Bot Choke 0.75 in
Hole Size 7.88 in
D Col. ID 2.25 in
D. Pipe ID 3.80 in
D.C. Length 427.00 ft
D.P. Length 4175.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak surface blow, died in 13 mins.

Initial Shut In:

Final Flow:
No return blow

Final Shut In:

SAMPLES:
SENT TO:

MUD DATA----------
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 45.00 S/L
W.L. 7.20 in3
F.C. 0.00 in
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 138.00 F
Hole Condition Good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Rod Steinbrink
Co. Rep. Phil
Contr. Nebraska Drlg.
Rig # 1
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Ochsher #1

LOCATION : 30-1S-41W Cheyenne KS.

TICKET No. 9976 D.S.T. No. 1 DATE 4-12-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 17

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 44

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 44

D.C. ABOVE TOOLS.Stands7 Single Total 427

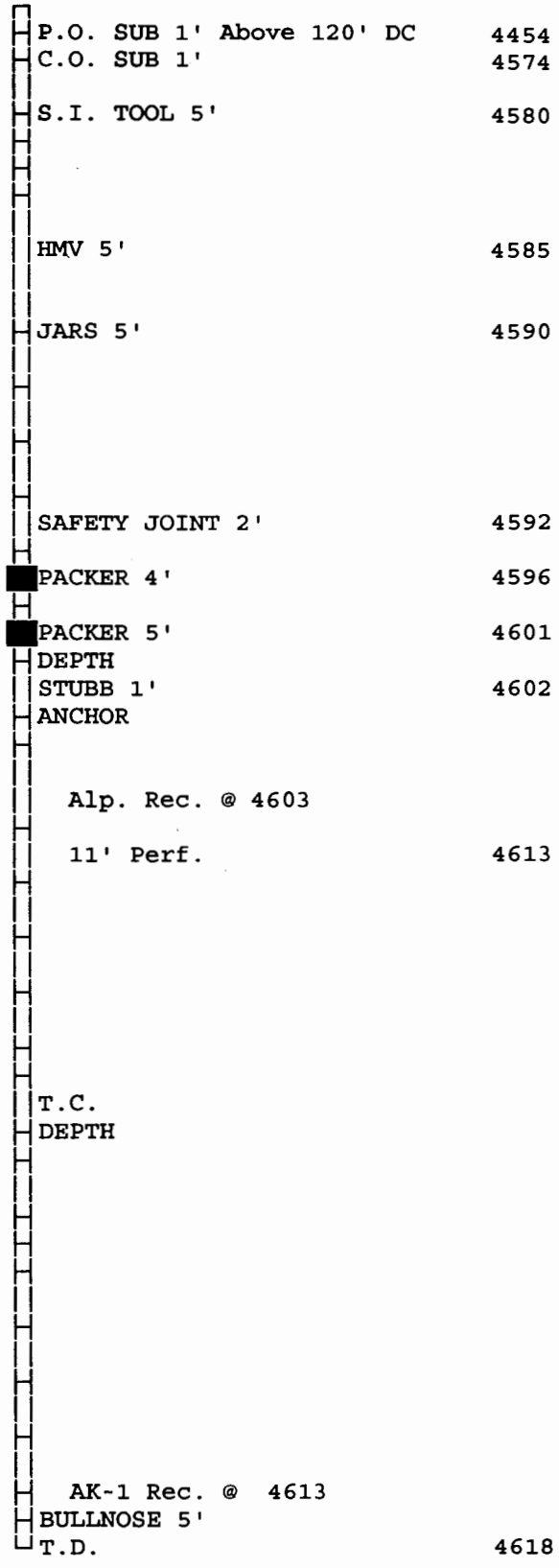
D.P. ABOVE TOOLS.Stands67 Single 1 Total 4175

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4646

TOTAL DEPTH 4618

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:
Tool Opened while tripping to bttm picking up fluid, through the Niobra section roughly 500' thick



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9976 DST #1 Ochsher #1 Cambrian Oil Corp.
DATE: 04/12/97 TIME: 15:27:09

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	147.00	2321.5	0.0	124.75		
***** Start Flow 1	0.00	369.5	0.0	125.18		
	1.00	370.8	1.3	125.88		
	2.00	371.5	2.0	126.59		
	3.00	371.9	2.3	127.17		
	4.00	372.1	2.6	127.66		
	5.00	372.4	2.9	127.95		
	6.00	372.5	2.9	128.22		
	7.00	372.7	3.2	128.39		
	8.00	372.6	3.1	128.51		
	9.00	372.8	3.3	128.61		
	10.00	372.8	3.3	128.66		
	11.00	372.8	3.3	128.70		
	12.00	373.0	3.5	128.72		
	13.00	373.0	3.5	128.72		
	14.00	373.1	3.5	128.72		
	15.00	373.0	3.5	128.72		
	16.00	372.9	3.4	128.73		
	17.00	373.0	3.5	128.71		
	18.00	373.0	3.4	128.69		
	19.00	373.1	3.5	128.71		
	20.00	373.0	3.5	128.71		
	21.00	373.1	3.6	128.73		
	22.00	373.1	3.6	128.74		
	23.00	373.1	3.6	128.76		
	24.00	373.1	3.6	128.78		
	25.00	373.2	3.7	128.82		
	26.00	373.1	3.6	128.84		
	27.00	373.2	3.7	128.88		
	28.00	373.2	3.7	128.89		
	29.00	373.3	3.7	128.95		
***** End Flow 1	30.00	373.2	3.7	129.00		
***** Start Shutin 1	0.00	373.2	0.0	129.00	0.0000	0.139
	1.00	372.1	-1.1	129.05	31.0000	0.138
	2.00	386.3	13.1	129.08	16.0000	0.149
	3.00	535.5	162.3	129.19	11.0000	0.287
	4.00	654.9	281.6	129.26	8.5000	0.429
	5.00	753.3	380.0	129.33	7.0000	0.567
	6.00	836.3	463.0	129.40	6.0000	0.699
	7.00	907.0	533.8	129.48	5.2857	0.823
	8.00	968.2	595.0	129.56	4.7500	0.937
	9.00	1021.4	648.2	129.64	4.3333	1.043
	10.00	1068.4	695.1	129.71	4.0000	1.141
	11.00	1109.7	736.5	129.79	3.7273	1.231
	12.00	1146.6	773.4	129.87	3.5000	1.315
	13.00	1179.5	806.2	129.95	3.3077	1.391
	14.00	1209.2	835.9	130.04	3.1429	1.462
	15.00	1235.9	862.6	130.11	3.0000	1.527
	16.00	1260.1	886.8	130.19	2.8750	1.588
	17.00	1282.1	908.9	130.28	2.7647	1.644
	18.00	1302.3	929.1	130.37	2.6667	1.696

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9976 DST #1 Ochsher #1 Cambrian Oil Corp.

DATE: 04/12/97 TIME: 15:27:09

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	1320.7	947.4	130.43	2.5789	1.744
	20.00	1337.6	964.4	130.52	2.5000	1.789
	21.00	1353.1	979.8	130.58	2.4286	1.831
	22.00	1367.5	994.2	130.66	2.3636	1.870
	23.00	1380.8	1007.6	130.73	2.3043	1.907
	24.00	1393.0	1019.8	130.81	2.2500	1.940
	25.00	1404.5	1031.2	130.88	2.2000	1.973
	26.00	1415.2	1041.9	130.91	2.1538	2.003
	27.00	1424.9	1051.7	131.03	2.1111	2.030
	28.00	1434.2	1061.0	131.11	2.0714	2.057
	29.00	1442.9	1069.6	131.17	2.0345	2.082
	30.00	1451.1	1077.8	131.27	2.0000	2.106
	31.00	1458.6	1085.4	131.33	1.9677	2.128
	32.00	1465.8	1092.5	131.38	1.9375	2.148
	33.00	1472.5	1099.3	131.46	1.9091	2.168
	34.00	1478.8	1105.6	131.52	1.8824	2.187
	35.00	1484.8	1111.5	131.61	1.8571	2.205
	36.00	1490.4	1117.2	131.66	1.8333	2.221
	37.00	1495.8	1122.5	131.74	1.8108	2.237
	38.00	1500.8	1127.6	131.81	1.7895	2.252
	39.00	1505.5	1132.3	131.89	1.7692	2.267
	40.00	1510.1	1136.9	131.95	1.7500	2.280
	41.00	1514.5	1141.3	132.03	1.7317	2.294
	42.00	1518.6	1145.4	132.09	1.7143	2.306
	43.00	1522.5	1149.2	132.16	1.6977	2.318
	44.00	1526.2	1153.0	132.24	1.6818	2.329
	45.00	1529.7	1156.5	132.31	1.6667	2.340
	46.00	1533.2	1159.9	132.37	1.6522	2.351
	47.00	1536.4	1163.1	132.44	1.6383	2.360
	48.00	1539.4	1166.2	132.52	1.6250	2.370
	49.00	1542.4	1169.1	132.58	1.6122	2.379
	50.00	1545.3	1172.1	132.67	1.6000	2.388
	51.00	1547.9	1174.7	132.71	1.5882	2.396
	52.00	1550.6	1177.3	132.81	1.5769	2.404
	53.00	1553.0	1179.7	132.87	1.5660	2.412
	54.00	1555.4	1182.2	132.92	1.5556	2.419
	55.00	1557.6	1184.4	133.01	1.5455	2.426
	56.00	1559.8	1186.6	133.05	1.5357	2.433
	57.00	1562.0	1188.7	133.11	1.5263	2.440
	58.00	1563.9	1190.6	133.17	1.5172	2.446
	59.00	1565.9	1192.6	133.30	1.5085	2.452
	60.00	1567.8	1194.6	133.32	1.5000	2.458
	61.00	1569.7	1196.4	133.40	1.4918	2.464
****** End Shut-in 1	62.00	1571.4	1198.1	133.44	1.4839	2.469
****** Start Flow 2	0.00	369.1	0.0	133.43		
	1.00	371.4	2.2	133.47		
	2.00	371.3	2.2	133.50		
	3.00	371.3	2.2	133.55		
	4.00	371.5	2.4	133.62		
	5.00	371.7	2.6	133.67		
	6.00	371.9	2.8	133.73		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9976 DST #1 Ochsher #1 Cambrian Oil Corp.

DATE: 04/12/97 TIME: 15:27:09

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	7.00	372.0	2.8	133.79		
	8.00	371.8	2.7	133.85		
	9.00	371.9	2.8	133.92		
	10.00	372.0	2.8	133.98		
	11.00	372.0	2.9	134.05		
	12.00	372.0	2.9	134.09		
	13.00	372.2	3.0	134.16		
	14.00	372.2	3.0	134.21		
	15.00	372.4	3.2	134.28		
	16.00	372.3	3.1	134.33		
	17.00	372.3	3.2	134.38		
	18.00	372.4	3.3	134.44		
	19.00	372.5	3.4	134.49		
	20.00	372.4	3.2	134.55		
	21.00	372.5	3.3	134.60		
	22.00	372.5	3.3	134.66		
	23.00	372.5	3.4	134.72		
	24.00	372.5	3.4	134.76		
	25.00	372.6	3.4	134.82		
	26.00	372.6	3.5	134.88		
	27.00	372.6	3.5	134.94		
****** End Flow 2	28.00	372.6	3.5	134.98		
****** Start Shutin 2	0.00	372.6	0.0	134.98	0.0000	0.139
	1.00	439.4	66.8	134.99	59.0000	0.193
	2.00	567.3	194.7	135.07	30.0000	0.322
	3.00	670.5	297.9	135.14	20.3333	0.450
	4.00	756.2	383.5	135.22	15.5000	0.572
	5.00	828.5	455.9	135.29	12.6000	0.686
	6.00	890.6	518.0	135.35	10.6667	0.793
	7.00	944.5	571.9	135.44	9.2857	0.892
	8.00	991.7	619.0	135.50	8.2500	0.983
	9.00	1033.2	660.6	135.56	7.4444	1.068
	10.00	1070.2	697.5	135.62	6.8000	1.145
	11.00	1103.3	730.7	135.68	6.2727	1.217
	12.00	1132.9	760.3	135.73	5.8333	1.284
	13.00	1159.7	787.0	135.82	5.4615	1.345
	14.00	1183.9	811.3	135.90	5.1429	1.402
	15.00	1206.0	833.4	135.96	4.8667	1.454
	16.00	1226.2	853.5	136.01	4.6250	1.503
	17.00	1244.6	872.0	136.07	4.4118	1.549
	18.00	1261.5	888.8	136.11	4.2222	1.591
	19.00	1277.2	904.5	136.18	4.0526	1.631
	20.00	1291.6	919.0	136.22	3.9000	1.668
	21.00	1305.0	932.4	136.29	3.7619	1.703
	22.00	1317.4	944.8	136.32	3.6364	1.736
	23.00	1329.1	956.4	136.40	3.5217	1.766
	24.00	1339.9	967.3	136.44	3.4167	1.795
	25.00	1350.0	977.3	136.48	3.3200	1.822
	26.00	1359.4	986.8	136.54	3.2308	1.848
	27.00	1368.4	995.7	136.62	3.1481	1.872
	28.00	1376.9	1004.2	136.66	3.0714	1.896

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9976 DST #1 Ochsher #1 Cambrian Oil Corp.
DATE: 04/12/97 TIME: 15:27:09

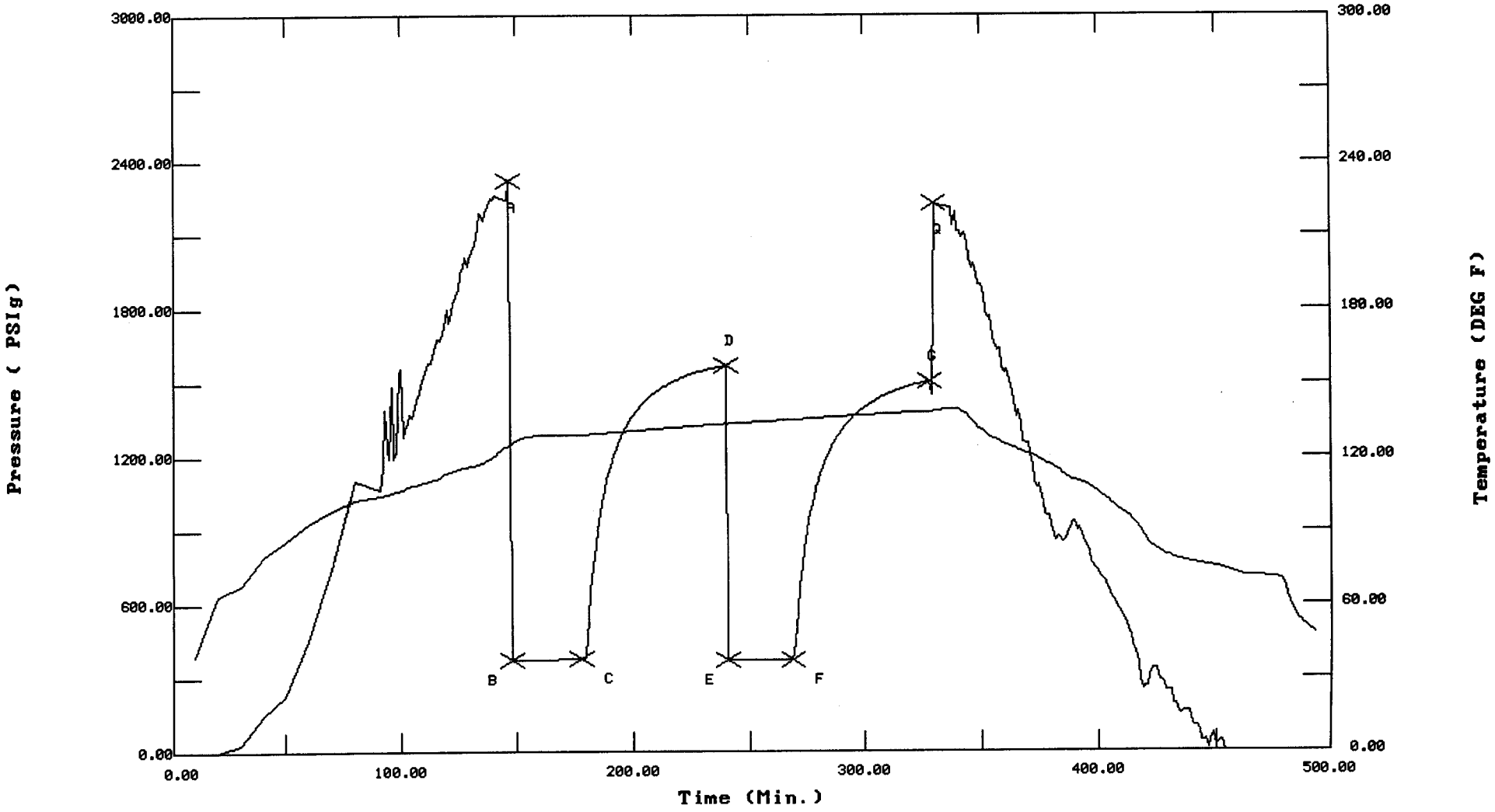
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	29.00	1384.6	1012.0	136.71	3.0000	1.917
	30.00	1392.1	1019.4	136.71	2.9333	1.938
	31.00	1399.1	1026.5	136.81	2.8710	1.957
	32.00	1405.7	1033.0	136.87	2.8125	1.976
	33.00	1411.9	1039.2	136.92	2.7576	1.993
	34.00	1417.9	1045.3	136.93	2.7059	2.010
	35.00	1423.5	1050.9	137.01	2.6571	2.026
	36.00	1428.9	1056.3	137.07	2.6111	2.042
	37.00	1433.9	1061.3	137.13	2.5676	2.056
	38.00	1438.8	1066.1	137.17	2.5263	2.070
	39.00	1443.4	1070.7	137.20	2.4872	2.083
	40.00	1447.8	1075.2	137.27	2.4500	2.096
	41.00	1452.2	1079.5	137.31	2.4146	2.109
	42.00	1456.2	1083.6	137.35	2.3810	2.121
	43.00	1460.0	1087.4	137.40	2.3488	2.132
	44.00	1463.8	1091.2	137.48	2.3182	2.143
	45.00	1467.2	1094.6	137.50	2.2889	2.153
	46.00	1470.8	1098.1	137.55	2.2609	2.163
	47.00	1474.0	1101.3	137.60	2.2340	2.173
	48.00	1477.1	1104.5	137.65	2.2083	2.182
	49.00	1480.2	1107.6	137.67	2.1837	2.191
	50.00	1483.1	1110.4	137.73	2.1600	2.199
	51.00	1485.8	1113.1	137.78	2.1373	2.208
	52.00	1488.5	1115.9	137.82	2.1154	2.216
	53.00	1491.1	1118.5	137.86	2.0943	2.223
	54.00	1493.6	1120.9	137.93	2.0741	2.231
	55.00	1496.0	1123.4	137.96	2.0545	2.238
	56.00	1498.4	1125.8	138.01	2.0357	2.245
	57.00	1500.7	1128.1	138.05	2.0175	2.252
	58.00	1502.9	1130.3	138.01	2.0000	2.259
******	End Shut-in 2 59.00	1505.0	1132.4	138.13	1.9831	2.265
******	Final Hydro. 330.00	2224.5	0.0	138.28		

TEST HISTORY

9976 DST #1 Ochsher #1 Cambrian Oil Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2321.48
B:	0.00	369.54
C:	30.00	373.24
D:	62.00	1571.38
E:	0.00	369.15
F:	28.00	372.63
G:	59.00	1505.03
Q:	0.00	2224.52



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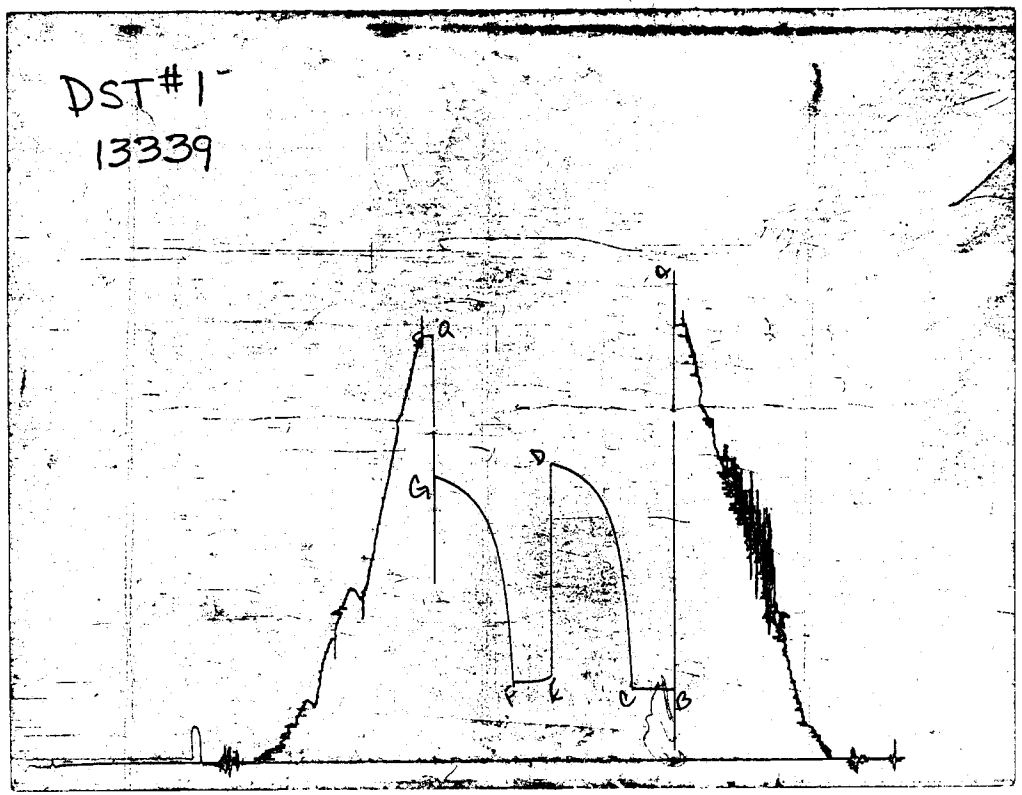


This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 9976

Well Name & No. Ochsher #1 Test No. 1 Date 4-12-97

Company Cambrian Oil Corporation Zone Tested Toronto

Address 4480 S Meridian #92 Wichita, KS. 67213 Elevation 3613 KB 3605 GL

Co. Rep / Geo. _____ Cont. Nebraska #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 30 Twp. 1S Rge. 41W Co. Cheyenne State KS.

No. of Copies _____ Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) N

Interval Tested 4601 - 4618 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000

Anchor Length 17' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 4596 Tool Weight 1,800

Bottom Packer Depth 4601 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____

Total Depth 4618 Wt. Pipe Run — Drill Collar Run 427'

Mud Wt. 9.1 LCM _____ Vis. 45 WL 7.2 Drill Pipe Size 4½" XH Ft. Run 4175'

Blow Description IF: Weak surface blow died in 13 mins.

FF: No return blow

Recovery — Total Feet 640' GIP — Ft. in DC 247' Ft. in DP 393'

Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. 640'	Feet Of Drlg. Mud	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 138° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 650 ppm System

(A) Initial Hydrostatic Mud	2283	2243	PSI	Recorder No.	2341	T-Started	1526
(B) First Initial Flow Pressure	384	369	PSI	(depth)	4603	T-Open	1856
(C) First Final Flow Pressure	384	373	PSI	Recorder No.	13339	T-Pulled	2156
(D) Initial Shut-in Pressure	1572	1571	PSI	(depth)	4613	T-Out	0045
(E) Second Initial Flow Pressure	415	369	PSI	Recorder No.	—		
(F) Second Final Flow Pressure	415	372	PSI	(depth)	—		
(G) Final Shut-in Pressure	1502	1505	PSI	Initial Opening	30	Test	
(H) Final Hydrostatic Mud	2353	2224	PSI	Initial Shut-in	60	Jars	X
	AK-1	A.L.P.		Final Flow	30	Safety Joint	X
				Final Shut-in	60	Straddle	
						Circ. Sub	X N/C
						Sampler	
						Extra Packer	
						Elect. Rec.	X
						Other	
						TOTAL PRICE $	

Approved By Chuck W Gruber

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Cambrian Oil Corporation DATE 4-13-97
WELL NAME: Ochsher #1 KB 3613.00 ft TICKET NO: 9977 DST #2
LOCATION : 30-1S-41W Cheyenne KS. GR 3605.00 ft FORMATION: Lans/KC "E & F"
INTERVAL : 4681.00 To 4725.00 ft TD 4725.00 ft TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	13339	13339	2341		
SI	60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12 HR	12 HR	Elec		
FS	60	Depth(ft)	4720.0	4720.0	4686.0	0.0	0.0

TIME DATA----------
PF Fr. 1838 to 1908 hr
IS Fr. 1908 to 2008 hr
SF Fr. 2008 to 2038 hr
FS Fr. 2038 to 2138 hr

	Field	1	2	3	4
A. Init Hydro	2283.0	2368.0	2326.0	0.0	0.0
B. First Flow	31.0	73.0	15.0	0.0	0.0
C. Final Flow	31.0	44.0	20.0	0.0	0.0
D. In Shut-in	1451.0	1472.0	1492.0	0.0	0.0
E. Init Flow	31.0	73.0	21.0	0.0	0.0
F. Fl Shut-in	31.0	48.0	23.0	0.0	0.0
G. Final Hydro	1371.0	1382.0	1408.0	0.0	0.0
Inside/Outside	2263.0	2229.0	2287.0	0.0	0.0
	O	O	I		

T STARTED 1533 hr
T ON BOTM 1836 hr
T OPEN 1838 hr
T PULLED 2138 hr
T OUT 2400 hr

RECOVERY
Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Drilling Mud w/slight show of oil in tool
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	68000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	427.00 ft
D.P. Length	4236.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak surface blow, increased to 1/2"

Initial Shut In:
No blow

Final Flow:
No return blow

Final Shut In:
No blow

SAMPLES:
SENT TO:

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	137.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Rod Steinbrink
Co. Rep.	Phil/Rod
Contr.	Nebraska
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Ochsher #1

LOCATION : 30-1S-41W Cheyenne KS.

TICKET No. 9977 D.S.T. No. 2 DATE 4-13-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 13

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 40

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 71

D.C. ABOVE TOOLS.Stands7 Single Total 427

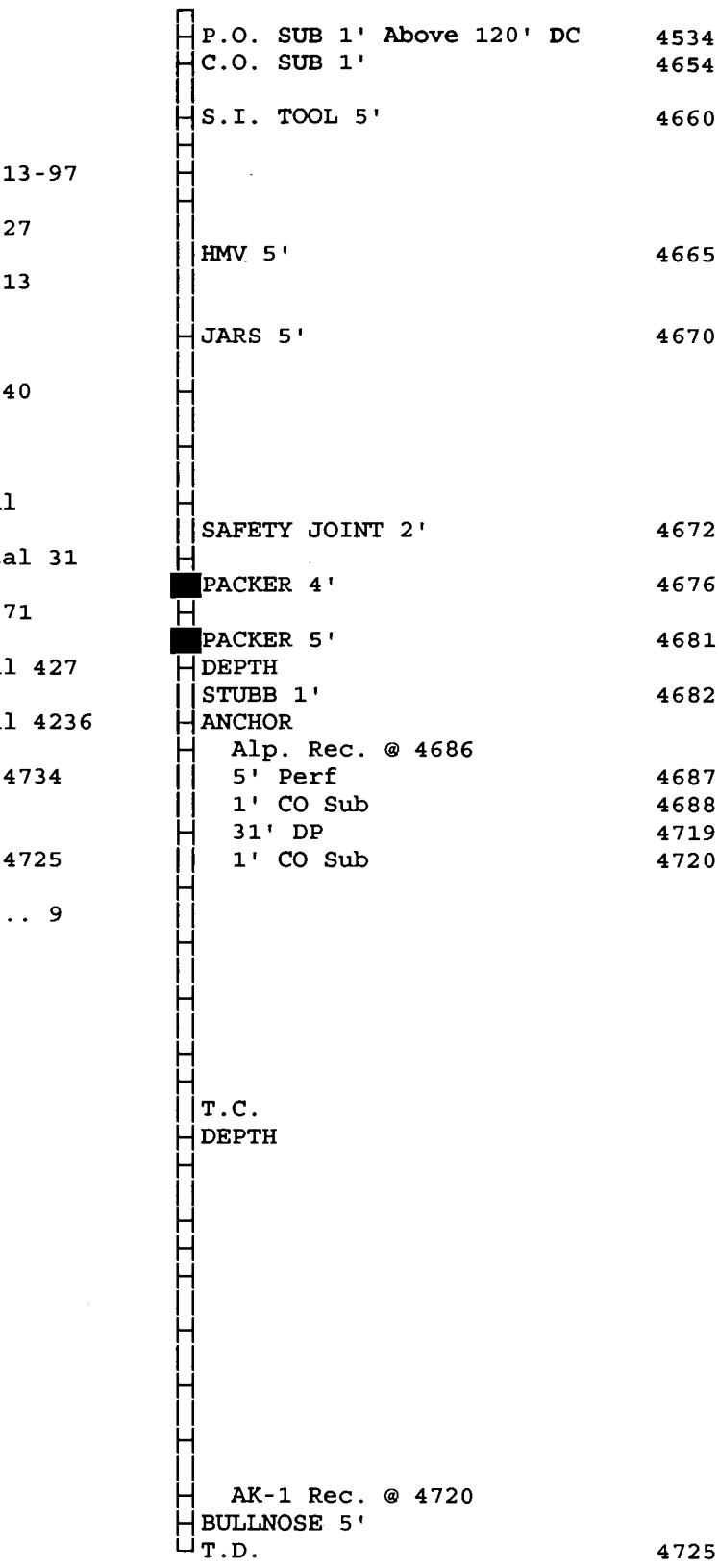
D.P. ABOVE TOOLS.Stands68 Single 1 Total 4236

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4734

TOTAL DEPTH 4725

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9977 DST #2 Ochsher #1 Cambrian Oil Corp.

DATE: 04/13/97 TIME: 15:33:29

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	123.00	2326.5	0.0	123.76		
***** Start Flow 1	0.00	15.4	0.0	124.06		
	1.00	16.0	0.6	124.58		
	2.00	16.3	0.9	125.09		
	3.00	16.6	1.2	125.56		
	4.00	16.9	1.5	125.93		
	5.00	17.1	1.7	126.26		
	6.00	17.3	1.9	126.51		
	7.00	17.4	2.0	126.71		
	8.00	17.5	2.1	126.85		
	9.00	17.7	2.3	126.99		
	10.00	17.8	2.4	127.10		
	11.00	17.9	2.5	127.19		
	12.00	18.1	2.7	127.27		
	13.00	18.1	2.7	127.34		
	14.00	18.2	2.8	127.39		
	15.00	18.3	2.9	127.46		
	16.00	18.5	3.1	127.52		
	17.00	18.5	3.1	127.57		
	18.00	18.6	3.2	127.62		
	19.00	18.7	3.3	127.68		
	20.00	18.7	3.3	127.70		
	21.00	18.8	3.4	127.73		
	22.00	18.8	3.4	127.77		
	23.00	18.8	3.4	127.85		
	24.00	18.8	3.4	127.92		
	25.00	18.9	3.5	127.97		
	26.00	19.0	3.6	128.04		
	27.00	19.1	3.7	128.09		
	28.00	19.1	3.7	128.15		
	29.00	19.2	3.8	128.22		
****** End Flow 1	30.00	19.7	4.3	128.27		
****** Start Shutin 1	0.00	19.7	0.0	128.27	0.0000	0.000
	1.00	25.1	5.4	128.36	31.0000	0.001
	2.00	33.8	14.1	128.45	16.0000	0.001
	3.00	48.8	29.1	128.54	11.0000	0.002
	4.00	76.4	56.7	128.62	8.5000	0.006
	5.00	126.1	106.4	128.70	7.0000	0.016
	6.00	197.4	177.7	128.78	6.0000	0.039
	7.00	278.2	258.4	128.88	5.2857	0.077
	8.00	358.8	339.0	128.96	4.7500	0.129
	9.00	435.5	415.8	129.00	4.3333	0.190
	10.00	507.0	487.3	129.09	4.0000	0.257
	11.00	572.9	553.2	129.16	3.7273	0.328
	12.00	634.2	614.4	129.24	3.5000	0.402
	13.00	690.7	671.0	129.32	3.3077	0.477
	14.00	743.0	723.3	129.39	3.1429	0.552
	15.00	791.5	771.8	129.47	3.0000	0.627
	16.00	836.6	816.9	129.53	2.8750	0.700
	17.00	878.4	858.7	129.61	2.7647	0.772
	18.00	917.6	897.8	129.69	2.6667	0.842

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9977 DST #2 Ochsher #1 Cambrian Oil Corp.
DATE: 04/13/97 TIME: 15:33:29

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	953.9	934.1	129.78	2.5789	0.910
	20.00	987.9	968.2	129.85	2.5000	0.976
	21.00	1019.7	1000.0	129.93	2.4286	1.040
	22.00	1049.3	1029.6	129.99	2.3636	1.101
	23.00	1077.2	1057.5	130.06	2.3043	1.160
	24.00	1103.1	1083.3	130.14	2.2500	1.217
	25.00	1127.6	1107.9	130.21	2.2000	1.271
	26.00	1150.6	1130.9	130.28	2.1538	1.324
	27.00	1172.3	1152.6	130.35	2.1111	1.374
	28.00	1192.7	1173.0	130.41	2.0714	1.423
	29.00	1211.9	1192.1	130.49	2.0345	1.469
	30.00	1229.9	1210.2	130.57	2.0000	1.513
	31.00	1247.1	1227.4	130.66	1.9677	1.555
	32.00	1263.2	1243.5	130.75	1.9375	1.596
	33.00	1278.5	1258.8	130.84	1.9091	1.635
	34.00	1292.9	1273.1	130.90	1.8824	1.671
	35.00	1306.5	1286.8	130.92	1.8571	1.707
	36.00	1319.4	1299.7	131.01	1.8333	1.741
	37.00	1331.2	1311.4	131.09	1.8108	1.772
	38.00	1342.9	1323.2	131.18	1.7895	1.803
	39.00	1353.9	1334.2	131.24	1.7692	1.833
	40.00	1364.6	1344.9	131.31	1.7500	1.862
	41.00	1374.7	1355.0	131.36	1.7317	1.890
	42.00	1384.2	1364.5	131.45	1.7143	1.916
	43.00	1393.2	1373.5	131.54	1.6977	1.941
	44.00	1401.9	1382.1	131.66	1.6818	1.965
	45.00	1410.1	1390.3	131.90	1.6667	1.988
	46.00	1417.8	1398.1	131.81	1.6522	2.010
	47.00	1425.3	1405.5	131.87	1.6383	2.031
	48.00	1432.3	1412.5	131.93	1.6250	2.051
	49.00	1439.0	1419.3	131.99	1.6122	2.071
	50.00	1445.4	1425.7	132.05	1.6000	2.089
	51.00	1451.6	1431.8	132.09	1.5882	2.107
	52.00	1457.4	1437.7	132.16	1.5769	2.124
	53.00	1463.0	1443.3	132.21	1.5660	2.140
	54.00	1468.3	1448.6	132.27	1.5556	2.156
	55.00	1473.4	1453.7	132.31	1.5455	2.171
	56.00	1478.5	1458.7	132.36	1.5357	2.186
	57.00	1483.1	1463.4	132.43	1.5263	2.200
	58.00	1487.7	1467.9	132.49	1.5172	2.213
****** End Shut-in 1	59.00	1492.0	1472.2	132.55	1.5085	2.226
****** Start Flow 2	0.00	20.6	0.0	132.51		
	1.00	20.8	0.2	132.51		
	2.00	20.8	0.2	132.50		
	3.00	20.9	0.3	132.51		
	4.00	20.9	0.3	132.51		
	5.00	21.0	0.4	132.52		
	6.00	21.0	0.4	132.55		
	7.00	21.0	0.4	132.60		
	8.00	21.2	0.6	132.63		
	9.00	21.2	0.6	132.68		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9977 DST #2 Ochsher #1 Cambrian Oil Corp.

DATE: 04/13/97 TIME: 15:33:29

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	21.3	0.7	132.72		
	11.00	21.3	0.7	132.79		
	12.00	21.4	0.8	132.84		
	13.00	21.6	1	132.91		
	14.00	21.7	1.1	132.96		
	15.00	21.7	1.1	133.02		
	16.00	21.7	1.1	133.09		
	17.00	21.9	1.3	133.14		
	18.00	21.9	1.3	133.21		
	19.00	22.0	1.4	133.27		
	20.00	22.2	1.6	133.34		
	21.00	22.2	1.6	133.40		
	22.00	22.2	1.6	133.46		
	23.00	22.4	1.8	133.53		
	24.00	22.5	1.9	133.60		
	25.00	22.6	2.0	133.67		
	26.00	22.7	2.1	133.72		
	27.00	22.7	2.1	133.79		
	28.00	22.7	2.1	133.88		
	29.00	22.9	2.3	133.96		
****** End Flow 2	30.00	22.7	2.1	134.05		
***** Start Shutin 2	0.00	22.7	0.0	134.05	0.0000	0.001
	1.00	28.4	5.7	134.16	61.0000	0.001
	2.00	40.9	18.2	134.25	31.0000	0.002
	3.00	64.2	41.5	134.35	21.0000	0.004
	4.00	107.1	84.4	134.46	16.0000	0.011
	5.00	171.3	148.5	134.56	13.0000	0.029
	6.00	245.7	223.0	134.67	11.0000	0.060
	7.00	320.0	297.3	134.78	9.5714	0.102
	8.00	391.1	368.4	134.92	8.5000	0.153
	9.00	457.4	434.7	134.98	7.6667	0.209
	10.00	518.5	495.7	135.05	7.0000	0.269
	11.00	575.5	552.8	135.15	6.4545	0.331
	12.00	628.5	605.8	135.25	6.0000	0.395
	13.00	677.5	654.8	135.33	5.6154	0.459
	14.00	723.0	700.2	135.42	5.2857	0.523
	15.00	765.2	742.5	135.49	5.0000	0.586
	16.00	804.4	781.7	135.55	4.7500	0.647
	17.00	841.3	818.6	135.62	4.5294	0.708
	18.00	875.7	853.0	135.69	4.3333	0.767
	19.00	907.8	885.1	135.75	4.1579	0.824
	20.00	938.0	915.3	135.80	4.0000	0.880
	21.00	966.2	943.5	135.91	3.8571	0.934
	22.00	992.7	970.0	135.95	3.7273	0.985
	23.00	1017.7	994.9	136.04	3.6087	1.036
	24.00	1041.0	1018.3	136.08	3.5000	1.084
	25.00	1063.1	1040.4	136.14	3.4000	1.130
	26.00	1083.9	1061.2	136.20	3.3077	1.175
	27.00	1103.7	1080.9	136.25	3.2222	1.218
	28.00	1122.3	1099.6	136.31	3.1429	1.260
	29.00	1139.7	1117.0	136.35	3.0690	1.299

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9977 DST #2 Ochsher #1 Cambrian Oil Corp.

DATE: 04/13/97 TIME: 15:33:29

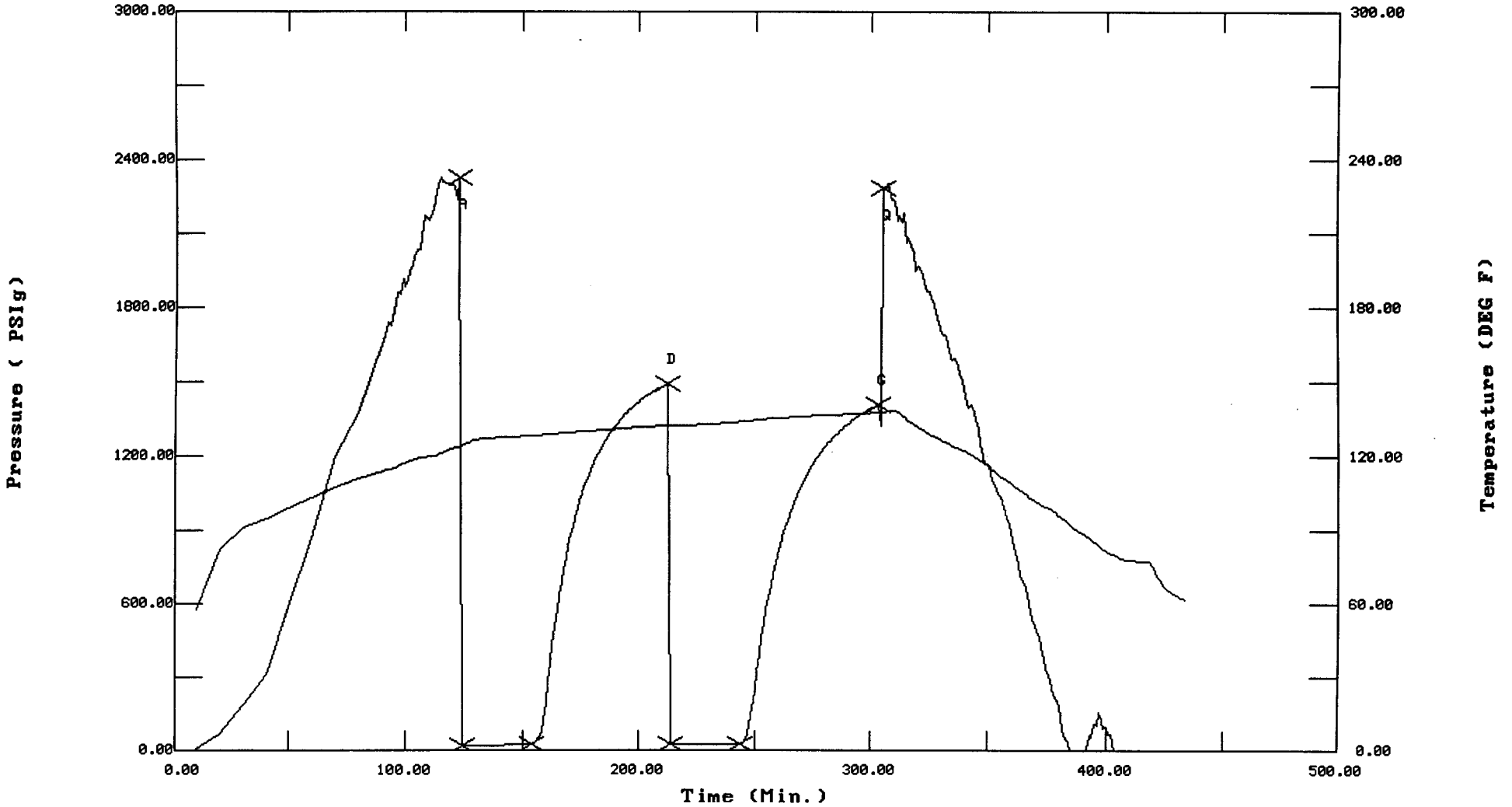
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	1156.3	1133.6	136.40	3.0000	1.337
	31.00	1172.1	1149.3	136.45	2.9355	1.374
	32.00	1187.0	1164.3	136.51	2.8750	1.409
	33.00	1201.1	1178.4	136.55	2.8182	1.443
	34.00	1214.5	1191.8	136.60	2.7647	1.475
	35.00	1227.3	1204.6	136.65	2.7143	1.506
	36.00	1239.5	1216.8	136.70	2.6667	1.536
	37.00	1251.1	1228.3	136.74	2.6216	1.565
	38.00	1262.1	1239.3	136.79	2.5789	1.593
	39.00	1272.6	1249.9	136.82	2.5385	1.619
	40.00	1282.6	1259.8	136.89	2.5000	1.645
	41.00	1292.2	1269.5	136.92	2.4634	1.670
	42.00	1301.4	1278.7	136.96	2.4286	1.694
	43.00	1310.0	1287.3	137.01	2.3953	1.716
	44.00	1318.3	1295.6	137.07	2.3636	1.738
	45.00	1326.3	1303.6	137.12	2.3333	1.759
	46.00	1333.8	1311.1	137.18	2.3043	1.779
	47.00	1341.1	1318.4	137.22	2.2766	1.799
	48.00	1348.1	1325.4	137.28	2.2500	1.817
	49.00	1354.7	1331.9	137.33	2.2245	1.835
	50.00	1361.0	1338.2	137.39	2.2000	1.852
	51.00	1367.2	1344.5	137.43	2.1765	1.869
	52.00	1373.2	1350.5	137.48	2.1538	1.886
	53.00	1378.8	1356.1	137.52	2.1321	1.901
	54.00	1384.2	1361.5	137.58	2.1111	1.916
	55.00	1389.5	1366.7	137.60	2.0909	1.931
	56.00	1394.5	1371.8	137.66	2.0714	1.945
	57.00	1399.3	1376.6	137.70	2.0526	1.958
	58.00	1404.0	1381.3	137.74	2.0345	1.971
****** End Shut-in 2	59.00	1408.5	1385.8	137.77	2.0169	1.984
****** Final Hydro.	305.00	2286.9	0.0	137.94		

TEST HISTORY

9977 DST #2 Ochsher #1 Cambrian Oil Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2326.47
B:	0.00	15.40
C:	30.00	19.73
D:	59.00	1491.98
E:	0.00	20.60
F:	30.00	22.72
G:	59.00	1408.49
Q:	0.00	2286.92



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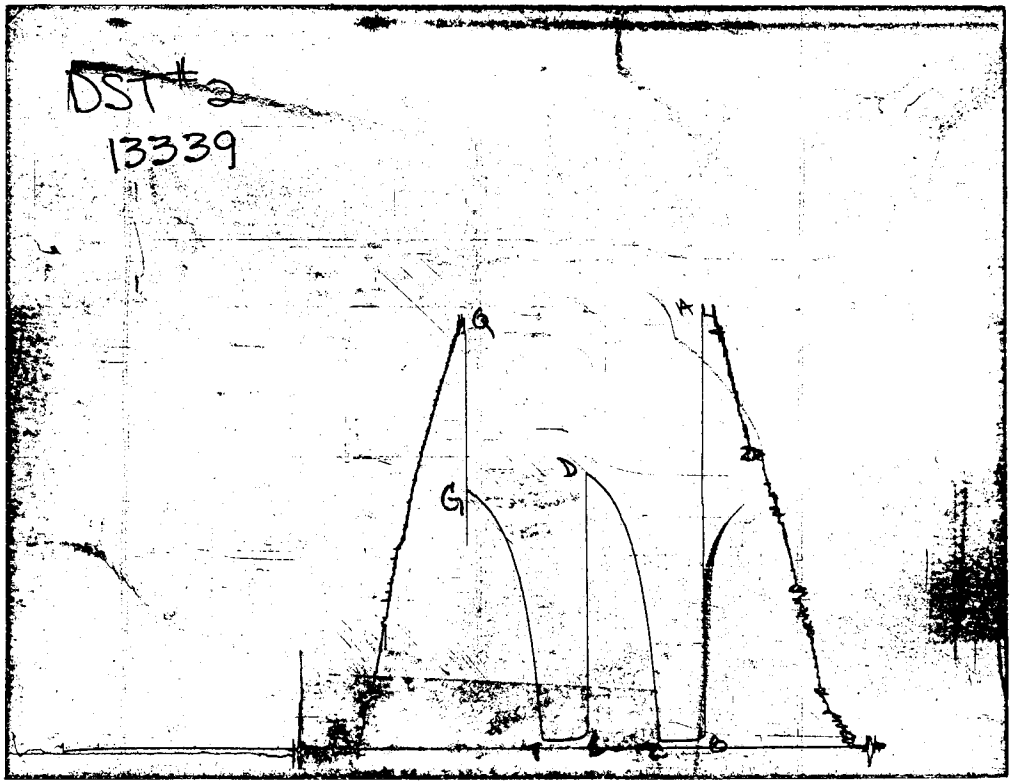


This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9977

Well Name & No. Ochsher #1 Test No. 2 Date 4-13-97

Company Cambrian Oil Corp Zone Tested Lans/KC. 'E & F'

Address 4480 S. Meridan #92 Wichita, KS. 67213 Elevation 3613 KB 3605 GL

Co. Rep / Geo. Phil M./Rod A. Cont. Nebraska #1 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 30 Twp. 1 S Rge. 41 W Co. Cheyenne State KS

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4681 - 4725 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 44' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 68,000

Top Packer Depth 4676 Tool Weight 1,800

Bottom Packer Depth 4681 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 4725 Wt. Pipe Run — Drill Collar Run 427'

Mud Wt. 9.1 LCM ____ Vis. 48 WL 7.6 Drill Pipe Size 4½" XH Ft. Run 4236'

Blow Description IF: Weak surface blow increased to ½".

ISI: No blow.

FF: No return blow.

FSI: No blow.

Recovery — Total Feet 20' GIP — Ft. in DC 20' Ft. in DP —

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 20'	Feet Of	Drlg Mud	%gas	%oil	%water	%mud
Rec.	Feet Of	w/Slight Show	%gas	%oil	%water	%mud
Rec.	Feet Of	of Oil in Tool	%gas	%oil	%water	%mud

BHT 137° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 650 ppm System

(A) Initial Hydrostatic Mud	2283	2326 PSI	Recorder No.	2341	T-Started	1533
(B) First Initial Flow Pressure	31	15 PSI	(depth)	4686	T-Open	1838
(C) First Final Flow Pressure	31	19 PSI	Recorder No.	13339	T-Pulled	2238
(D) Initial Shut-in Pressure	1451	1491 PSI	(depth)	4720	T-Out	2400
(E) Second Initial Flow Pressure	31	20 PSI	Recorder No.	—		
(F) Second Final Flow Pressure	31	22 PSI	(depth)	—		
(G) Final Shut-in Pressure	1371	1408 PSI	Initial Opening	30	Test	
(H) Final Hydrostatic Mud	2263	2286 PSI	Initial Shut-in	60	Jars	X
	AK-1	ALP.	Final Flow	30	Safety Joint	X
			Final Shut-in	60	Straddle	
					Circ. Sub	X N/C
					Sampler	
					Extra Packer	
					Elect. Rec.	X
					Other	
					TOTAL PRICE $	

Approved By M'Guck

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Cambrian Oil Corporation DATE 4-16-97
WELL NAME: Ochsher #1 KB 3613.00 ft TICKET NO: 9978 DST #3
LOCATION : 30-1S-41W Cheyenne KS. GR 3605.00 ft FORMATION: Morrow
INTERVAL : 5335.00 To 5380.00 ft TD 5380.00 ft TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	13339	13339	2341		
SI	60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF	22	Clock(hrs)	12 HR	12 hr	Elec		
FS	60	Depth(ft)	5375.0	5375.0	5337.0	0.0	0.0

TIME DATA----------
PF Fr. 0911 to 0941 hr
IS Fr. 0941 to 1041 hr
SF Fr. 1041 to 1105 hr
FS Fr. 1105 to 1205 hr

	Field	1	2	3	4
A. Init Hydro	2711.0	2807.0	2833.0	0.0	0.0
B. First Flow	619.0	687.0	600.0	0.0	0.0
C1. Final Flow	1110.0	1157.0	1174.0	0.0	0.0
C. In Shut-in	1210.0	1261.0	1259.0	0.0	0.0
D. Init Flow	1080.0	1241.0	1185.0	0.0	0.0
E. Final Flow	1210.0	1259.0	1254.0	0.0	0.0
F. Fl Shut-in	1210.0	1271.0	1262.0	0.0	0.0
G. Final Hydro	2652.0	2775.0	2659.0	0.0	0.0
Inside/Outside		O	O	I	

T STARTED 0630 hr
T ON BOTM 0909 hr
T OPEN 0911 hr
T PULLED 1205 hr
T OUT 1500 hr

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	100000.00 lbs
Initial Str Wt	66000.00 lbs
Unseated Str Wt	78000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	427.00 ft
D.P. Length	4887.00 ft

RECOVERY
Tot Fluid 2720.00 ft of 427.00 ft in DC and 2293.00 ft in DP
360.00 ft of Watery Mud
.00 ft of 20%water 80%mud
2360.00 ft of Salt Water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .31 @ 75 deg =
SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	52.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	170.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Phil M./ Rod A.
Contr.	Nebraska
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Strong blow off bottom in 1 minute

Initial Shut In:
Bled off blow - no return

Final Flow:
Fair to strong blow off bottom in

Final Shut In:
Bled off blow - no return

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Ochsher #1

LOCATION : 30-1S-41W Cheyenne KS.

TICKET No. 9978 D.S.T. No. 3 DATE 4-16-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 15

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 30

TOTAL ASSEMBLY 72

D.C. ABOVE TOOLS.Stands7 Single Total 427

D.P. ABOVE TOOLS.Stands79 Single Total 4887

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5386

TOTAL DEPTH 5380

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

P.O. SUB 1' Above 120' DC	5188
C.O. SUB 1'	5308
S.I. TOOL 5'	5314
HMV 5'	5319
JARS 5'	5324
SAFETY JOINT 2'	5326
PACKER Top 4'	5330
PACKER Bottom 5'	5335
DEPTH	
STUBB 1'	5336
ANCHOR	
Alpine Rec. @ 5337	
7' Perf.	5343
1' CO Sub	5344
30' DP	5374
1' CO Sub	5375
T.C.	
DEPTH	
AK-1 Rec. @ 5375	
BULLNOSE 5'	
T.D.	5380

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9978 DST #3 Ochsher #1 Cambrian Oil Corp.

DATE: 04/16/97 TIME: 06:30:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	157.00	2833.5	0.0	141.45		
****** Start Flow 1	0.00	600.4	0.0	142.25		
	1.00	621.7	21.3	143.88		
	2.00	644.4	44.0	146.62		
	3.00	675.6	75.2	149.74		
	4.00	707.2	106.8	152.79		
	5.00	738.4	138.0	155.56		
	6.00	769.2	168.8	157.98		
	7.00	798.9	198.5	160.02		
	8.00	827.0	226.6	161.76		
	9.00	854.5	254.1	163.22		
	10.00	880.9	280.5	164.43		
	11.00	906.5	306.1	165.47		
	12.00	930.7	330.3	166.29		
	13.00	953.3	352.9	167.00		
	14.00	975.4	375.0	167.60		
	15.00	995.5	395.1	168.09		
	16.00	1015.3	414.9	168.52		
	17.00	1034.0	433.6	168.88		
	18.00	1050.9	450.5	169.19		
	19.00	1066.5	466.1	169.45		
	20.00	1081.6	481.2	169.66		
	21.00	1095.1	494.7	169.82		
	22.00	1107.7	507.3	169.98		
	23.00	1119.8	519.4	170.11		
	24.00	1130.9	530.5	170.28		
	25.00	1140.7	540.3	170.36		
	26.00	1150.0	549.6	170.43		
	27.00	1158.6	558.2	170.50		
	28.00	1166.8	566.4	170.57		
****** End Flow 1	29.00	1174.1	573.7	170.61		
****** Start Shutin 1	0.00	1174.1	0.0	170.61	0.0000	1.378
	1.00	1225.3	51.2	170.65	30.0000	1.501
	2.00	1233.9	59.8	170.69	15.5000	1.522
	3.00	1237.7	63.6	170.71	10.6667	1.532
	4.00	1240.2	66.1	170.69	8.2500	1.538
	5.00	1242.2	68.1	170.67	6.8000	1.543
	6.00	1243.8	69.8	170.64	5.8333	1.547
	7.00	1245.1	71.0	170.60	5.1429	1.550
	8.00	1246.2	72.2	170.54	4.6250	1.553
	9.00	1247.2	73.2	170.45	4.2222	1.556
	10.00	1248.1	74.0	170.37	3.9000	1.558
	11.00	1248.9	74.8	170.32	3.6364	1.560
	12.00	1249.5	75.4	170.24	3.4167	1.561
	13.00	1250.1	76.0	170.17	3.2308	1.563
	14.00	1250.6	76.5	170.09	3.0714	1.564
	15.00	1251.1	77.0	169.97	2.9333	1.565
	16.00	1251.5	77.4	169.82	2.8125	1.566
	17.00	1252.0	77.9	169.72	2.7059	1.567
	18.00	1252.4	78.3	169.59	2.6111	1.569
	19.00	1252.8	78.8	169.51	2.5263	1.570

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9978 DST #3 Ochsher #1 Cambrian Oil Corp.

DATE: 04/16/97 TIME: 06:30:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	1253.1	79.1	169.48	2.4500	1.570
	21.00	1253.6	79.5	169.45	2.3810	1.571
	22.00	1253.9	79.8	169.40	2.3182	1.572
	23.00	1254.2	80.1	169.36	2.2609	1.573
	24.00	1254.5	80.5	169.29	2.2083	1.574
	25.00	1254.8	80.8	169.21	2.1600	1.575
	26.00	1255.1	81.0	169.12	2.1154	1.575
	27.00	1255.4	81.4	169.06	2.0741	1.576
	28.00	1255.7	81.6	168.97	2.0357	1.577
	29.00	1255.9	81.8	168.88	2.0000	1.577
	30.00	1255.9	81.8	168.86	1.9667	1.577
	31.00	1256.2	82.1	168.83	1.9355	1.578
	32.00	1256.5	82.5	168.77	1.9062	1.579
	33.00	1256.7	82.6	168.69	1.8788	1.579
	34.00	1256.8	82.7	168.64	1.8529	1.579
	35.00	1257.0	83.0	168.60	1.8286	1.580
	36.00	1257.2	83.1	168.51	1.8056	1.580
	37.00	1257.4	83.3	168.39	1.7838	1.581
	38.00	1257.4	83.3	168.26	1.7632	1.581
	39.00	1257.4	83.3	168.17	1.7436	1.581
	40.00	1257.6	83.5	168.10	1.7250	1.581
	41.00	1257.5	83.4	168.01	1.7073	1.581
	42.00	1257.6	83.6	167.94	1.6905	1.582
	43.00	1258.0	83.9	167.88	1.6744	1.582
	44.00	1258.0	84.0	167.83	1.6591	1.583
	45.00	1258.1	84.1	167.76	1.6444	1.583
	46.00	1258.3	84.2	167.75	1.6304	1.583
	47.00	1258.4	84.3	167.76	1.6170	1.584
	48.00	1258.4	84.4	167.81	1.6042	1.584
	49.00	1258.5	84.4	167.83	1.5918	1.584
	50.00	1258.7	84.6	167.84	1.5800	1.584
	51.00	1258.9	84.8	167.90	1.5686	1.585
	52.00	1258.9	84.8	167.97	1.5577	1.585
	53.00	1259.1	85.0	168.07	1.5472	1.585
	54.00	1259.2	85.1	168.11	1.5370	1.586
	55.00	1259.1	85.1	168.12	1.5273	1.585
	56.00	1259.3	85.2	168.09	1.5179	1.586
	57.00	1259.4	85.3	168.02	1.5088	1.586
	58.00	1259.5	85.4	167.94	1.5000	1.586
	59.00	1259.5	85.4	167.84	1.4915	1.586
	60.00	1259.6	85.5	167.73	1.4833	1.587
****** End Shut-in 1	61.00	1259.6	85.6	167.62	1.4754	1.587
****** Start Flow 2	0.00	1185.3	0.0	167.52		
	1.00	1192.1	6.8	167.59		
	2.00	1198.6	13.3	167.84		
	3.00	1205.2	19.9	168.21		
	4.00	1211.1	25.8	168.62		
	5.00	1216.2	30.9	168.97		
	6.00	1220.7	35.4	169.27		
	7.00	1225.3	40.0	169.53		
	8.00	1229.0	43.7	169.73		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9978 DST #3 Ochsher #1 Cambrian Oil Corp.

DATE: 04/16/97 TIME: 06:30:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	1232.3	47.1	169.90		
	10.00	1235.6	50.3	170.05		
	11.00	1238.7	53.4	170.17		
	12.00	1241.0	55.7	170.28		
	13.00	1242.9	57.6	170.36		
	14.00	1244.7	59.4	170.43		
	15.00	1246.4	61.1	170.51		
	16.00	1247.7	62.4	170.53		
	17.00	1248.9	63.6	170.59		
	18.00	1250.5	65.3	170.62		
	19.00	1251.6	66.3	170.67		
	20.00	1252.4	67.2	170.70		
	21.00	1253.2	67.9	170.71		
****** End Flow 2	22.00	1253.8	68.6	170.74		
****** Start Shutin 2	0.00	1253.8	0.0	170.74	0.0000	1.572
	1.00	1258.1	4.2	170.75	52.0000	1.583
	2.00	1258.5	4.7	170.77	26.5000	1.584
	3.00	1258.9	5.0	170.75	18.0000	1.585
	4.00	1259.1	5.3	170.73	13.7500	1.585
	5.00	1259.4	5.5	170.71	11.2000	1.586
	6.00	1259.6	5.8	170.66	9.5000	1.587
	7.00	1259.8	6.0	170.69	8.2857	1.587
	8.00	1259.9	6.0	170.63	7.3750	1.587
	9.00	1260.0	6.2	170.57	6.6667	1.588
	10.00	1260.1	6.3	170.56	6.1000	1.588
	11.00	1260.4	6.5	170.60	5.6364	1.589
	12.00	1260.3	6.5	170.52	5.2500	1.588
	13.00	1260.4	6.5	170.43	4.9231	1.589
	14.00	1260.4	6.6	170.38	4.6429	1.589
	15.00	1260.6	6.7	170.36	4.4000	1.589
	16.00	1260.8	6.9	170.35	4.1875	1.590
	17.00	1260.8	6.9	170.30	4.0000	1.590
	18.00	1260.9	7.1	170.27	3.8333	1.590
	19.00	1260.8	7.0	170.24	3.6842	1.590
	20.00	1261.0	7.2	170.19	3.5500	1.590
	21.00	1261.0	7.2	170.16	3.4286	1.590
	22.00	1261.0	7.2	170.14	3.3182	1.590
	23.00	1261.2	7.4	170.10	3.2174	1.591
	24.00	1261.2	7.4	170.05	3.1250	1.591
	25.00	1261.3	7.5	170.03	3.0400	1.591
	26.00	1261.3	7.5	170.00	2.9615	1.591
	27.00	1261.4	7.5	169.93	2.8889	1.591
	28.00	1261.4	7.6	169.94	2.8214	1.591
	29.00	1261.5	7.6	169.91	2.7586	1.591
	30.00	1261.5	7.7	169.89	2.7000	1.591
	31.00	1261.6	7.7	169.85	2.6452	1.592
	32.00	1261.5	7.6	169.81	2.5938	1.591
	33.00	1261.6	7.8	169.81	2.5455	1.592
	34.00	1261.4	7.6	169.79	2.5000	1.591
	35.00	1261.4	7.6	169.76	2.4571	1.591
	36.00	1261.5	7.7	169.74	2.4167	1.591

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9978 DST #3 Ochsher #1 Cambrian Oil Corp.

DATE: 04/16/97 TIME: 06:30:47

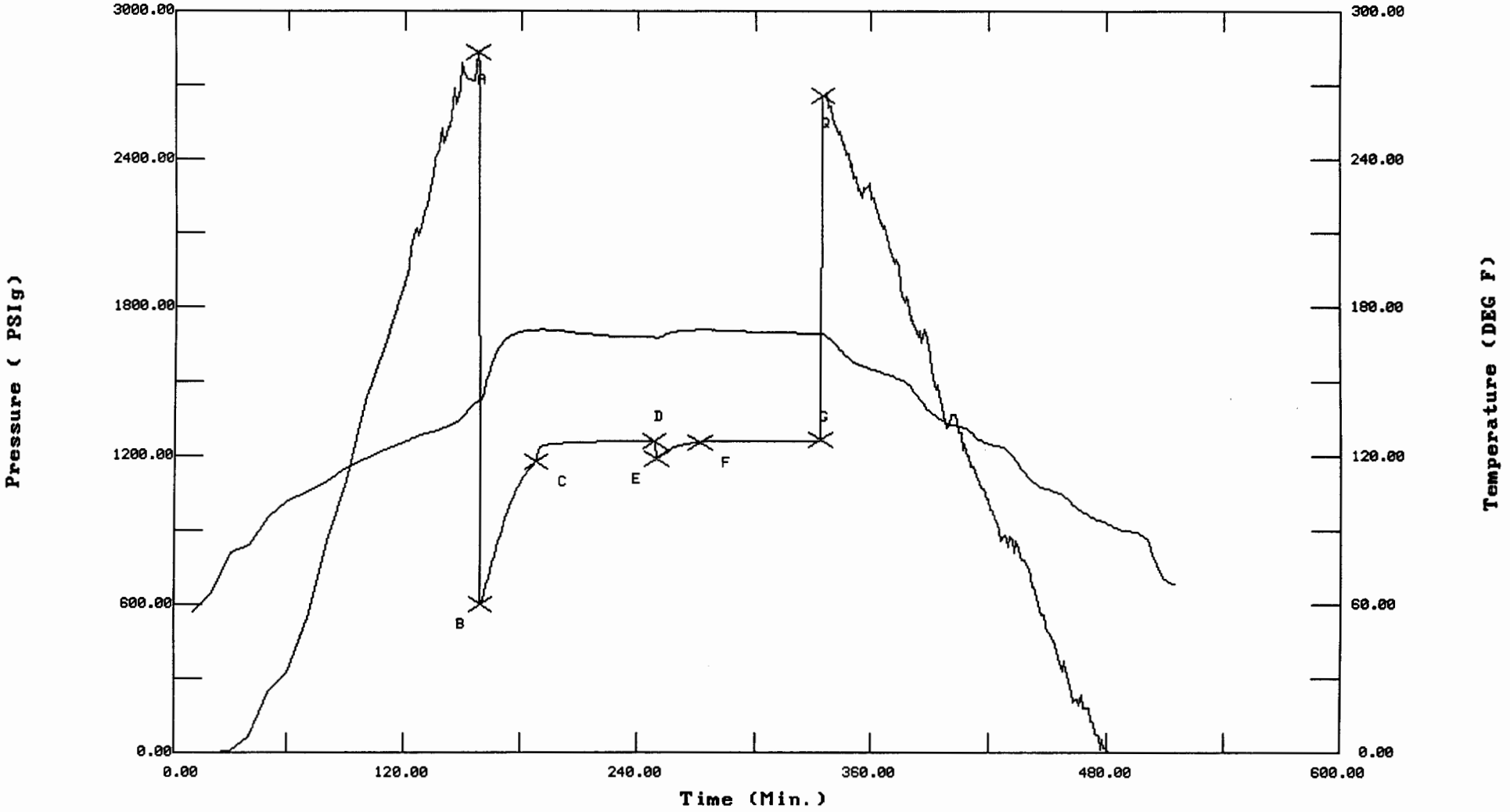
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	1261.5	7.7	169.71	2.3784	1.591
	38.00	1261.5	7.7	169.69	2.3421	1.591
	39.00	1261.5	7.7	169.67	2.3077	1.591
	40.00	1261.6	7.8	169.66	2.2750	1.592
	41.00	1261.6	7.8	169.62	2.2439	1.592
	42.00	1261.8	7.9	169.60	2.2143	1.592
	43.00	1261.8	8.0	169.60	2.1860	1.592
	44.00	1261.6	7.7	169.58	2.1591	1.592
	45.00	1261.8	7.9	169.57	2.1333	1.592
	46.00	1261.8	7.9	169.56	2.1087	1.592
	47.00	1261.9	8.1	169.53	2.0851	1.593
	48.00	1261.8	8.0	169.51	2.0625	1.592
	49.00	1261.9	8.1	169.51	2.0408	1.592
	50.00	1261.9	8.1	169.48	2.0200	1.592
	51.00	1261.8	8.0	169.47	2.0000	1.592
	52.00	1261.8	7.9	169.46	1.9808	1.592
	53.00	1261.9	8.0	169.45	1.9623	1.592
	54.00	1261.9	8.0	169.43	1.9444	1.592
	55.00	1261.9	8.0	169.43	1.9273	1.592
	56.00	1262.1	8.2	169.41	1.9107	1.593
	57.00	1262.1	8.3	169.39	1.8947	1.593
	58.00	1262.2	8.3	169.36	1.8793	1.593
	59.00	1262.2	8.3	169.35	1.8644	1.593
	60.00	1262.3	8.4	169.35	1.8500	1.593
	61.00	1262.1	8.3	169.34	1.8361	1.593
****** End Shut-in 2	62.00	1262.3	8.5	169.33	1.8226	1.593
****** Final Hydro.	335.00	2659.4	0.0	169.34		

TEST HISTORY

9978 DST #3 Ochsher #1 Cambrian Oil Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2833.46
B:	0.00	600.40
C:	29.00	1174.07
D:	61.00	1259.65
E:	0.00	1185.29
F:	22.00	1253.84
G:	62.00	1262.34
Q:	0.00	2659.36



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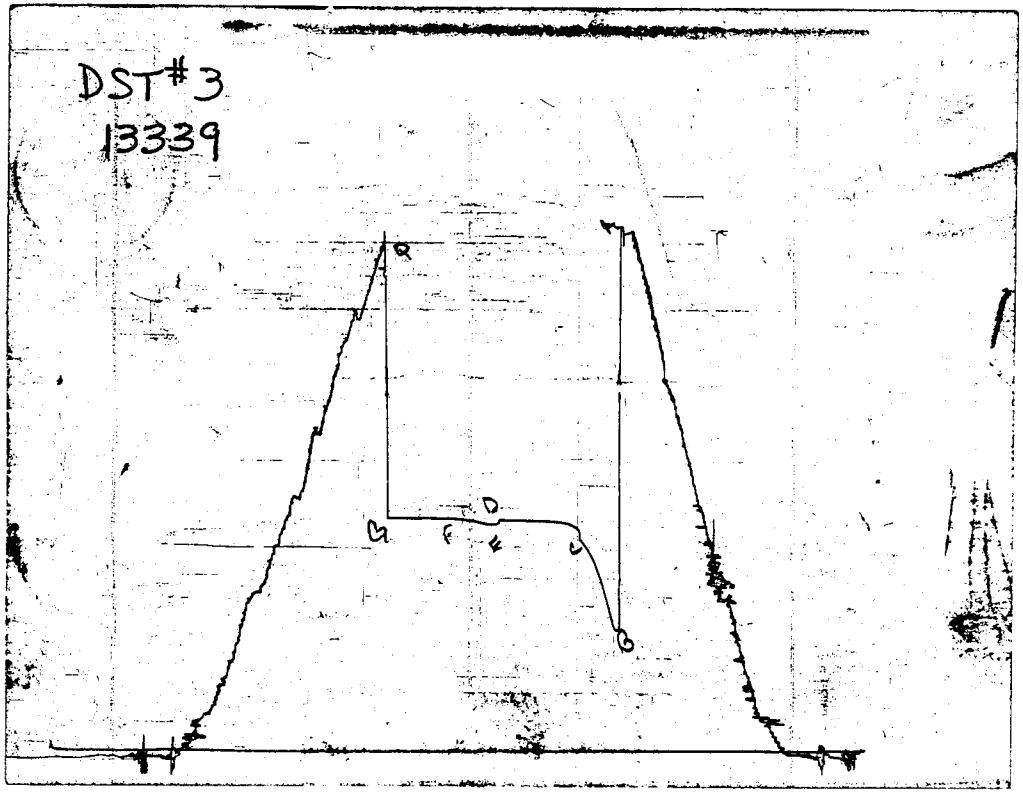

This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9978

Well Name & No. Ochsner #1 Test No. 3 Date 4-16-97

Company Cambrian Oil Corporation Zone Tested Morrow

Address 4480 S Meridian #92 Wichita, KS. 67213 Elevation 3613 KB 3605 GL

Co. Rep / Geo. Phil M / Rod A. Cont. Nebraska #1 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 30 Twp. 1 S Rge. 41 W Co. Cheyenne State KS.

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 5335 - 5380 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 78,000

Anchor Length 45' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000

Top Packer Depth 5330 Tool Weight 1,800

Bottom Packer Depth 5335 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 5380 Wt. Pipe Run — Drill Collar Run 427'

Mud Wt. 9.4 LCM ____ Vis. 52 WL 8.4 Drill Pipe Size 4½" XH Ft. Run 4887'

Blow Description IF: Strong blow off bttm in 1 min.

ISI: Bled off blow - no return.

FF: Fair to strong off bttm in 12 mins

FST: Bled off blow - no return.

Recovery — Total Feet 2720' GIP — Ft. in DC 427' Ft. in DP 2293'

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 360'	Feet Of Muddy Wtr.	— %gas	— %oil	20 %water	80 %mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 2360'	Feet Of Salt Wtr.	— %gas	— %oil	100 %water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 170° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW .31 @ 75° °F Chlorides 20,000 ppm Recovery Chlorides 650 ppm System

(A) Initial Hydrostatic Mud	2711	2769	PSI	Recorder No. 2341	T-Started 0630
(B) First Initial Flow Pressure	619	600	PSI	(depth) 5337	T-Open 0911
(C) First Final Flow Pressure	1110	1166	PSI	Recorder No. 13339	T-Pulled 1205
(D) Initial Shut-in Pressure	1210	1259	PSI	(depth) 5375	T-Out 1500
(E) Second Initial Flow Pressure	1080	1185	PSI	Recorder No. —	
(F) Second Final Flow Pressure	1210	1253	PSI	(depth) —	
(G) Final Shut-in Pressure	1210	1262	PSI	Initial Opening 30	Test ____
(H) Final Hydrostatic Mud	2652	2659	PSI	Initial Shut-in 60	Jars X
	AK-1	ALP.		Final Flow 22	Safety Joint X
				Final Shut-in 60	Straddle ____
				____	Circ. Sub X N/C
				____	Sampler ____
					Extra Packer ____
					Elect. Rec. X
					Other ____
					TOTAL PRICE $ ____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [signature]

Our Representative Rod Steinbrink