

TRILOBITE TESTING L.L.C.

OPERATOR : Ocean Energy

DATE 7-2-98

WELL NAME: Johns #2-1

KB 3351.00 ft

TICKET NO: 10922

DST #1

LOCATION : 1-31-41W Morton co. KS

GR 3346.00 ft

FORMATION: Keyes

INTERVAL : 5415.00 To 5443.00 ft

TD 5443.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	3227			PF Fr. 2139 to 2209 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 2209 to 2309 hr
SF 0 Clock(hrs)	12HR.	12HR.	Elet			SF Fr. to hr
FS 0 Depth(ft)	5439.0	5439.0	5419.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2739.0	24340.0	2696.0	0.0	0.0	T STARTED 1900 hr
B. First Flow	271.0	289.0	193.0	0.0	0.0	T ON BOTM 2137 hr
B1 Final Flow	293.0	302.0	290.0	0.0	0.0	T OPEN 2139 hr
C In Shut-in	1403.0	1396.0	1404.0	0.0	0.0	T PULLED 2315 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0230 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2686.0	2695.0	2626.0	0.0	0.0	Tool Wt. 1800.00 lbs
I/ de/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 125000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 533.00 ft
						D.P. Length 4860.00 ft

RECOVERY

Tot Fluid	4.00 ft of	4.00 ft in DC and	0.00 ft in DP
4.00	ft of Watery Mud	35% Water 65% Mud	
0.00	ft of		
0.00	ft of		
0.00	ft of	.405 Res. 69.5 Temp.	
0.00	ft of	19000 Chlorides	
0.00	ft of		
0.00	ft of		

SALINITY 19000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	46.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	25.0 ft

BLOW DESCRIPTION

Initial Flow:
Strong blow bottom of bucket as soon
as open tool, gas to surface in 2 min
Initial Shut-in:
Bled off 2" no blow back
Final Flow:
Try to open tool couldn't had 3 pound
torque tools out of hole

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Stickey
% 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	Mike Colantonio
Co. Rep.	Leon Boyle
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

SAMPLES: NO

SENT TO:

Test Successful: Y

GAS RECOVERY

COMPANY: Ocean Energy

DATE: 7-2-98

WELL NAME: Johns #2-1

KB Elev: 3351.00 ft TICKET #10922 DST #1

WELL LOCATION: 1-31-41W

GR Elev: 3346.00 ft FORMATION: Keyes

INTERVAL Fr.: 5415.00 To 5443.00 T.D.: 5443.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.00	32	0	99400.0
10	1.00	39	0	1141000.0
15	1.00	44	0	1247000.0
20	1.00	46	0	1291000.0
25	1.00	48	0	1333000.0
30	1.00	50	0	1379000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Johns #2-1

LOCATION : 1-31-41W

TICKET No. 10922 D.S.T. No. 1 DATE 7-2-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 28

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands9 Single Total 533

D.P. ABOVE TOOLS.Stands78 Single 1 Total 4860

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5451

TOTAL DEPTH 5443

TOTAL DRILL PIPE ABOVE K.B. 8ft.

REMARKS:

SAMPLER DATA

P.O. SUB Top Tool	5385
C.O. SUB 1ft	5386
S.I. TOOL Sterling	5391
3ft Sampler	5394
HMV Sterling	5399
JARS Sterling	5404
SAFETY JOINT Bowens	5406
PACKER 5ft	5410
PACKER 5ft	5415
DEPTH	
STUBB 1ft	5416
ANCHOR	
3ft Perf	5419
Alpine Rec.	5419
5ft PU Sub	5424
T.C.	
DEPTH	
15ft Perf	5439
AK-1 Rec.	5439
BULLNOSE	
T.D. 4ft Bullplug	5443

TEST HISTORY

18922 DST #1 Johns #2-1 Ocean Energy

	Flag Points
t(Min.)	P (PSig)
A: 0.00	2696.81
B: 0.00	193.63
C: 30.25	290.74
D: 66.50	1404.87
E: 0.00	2616.58

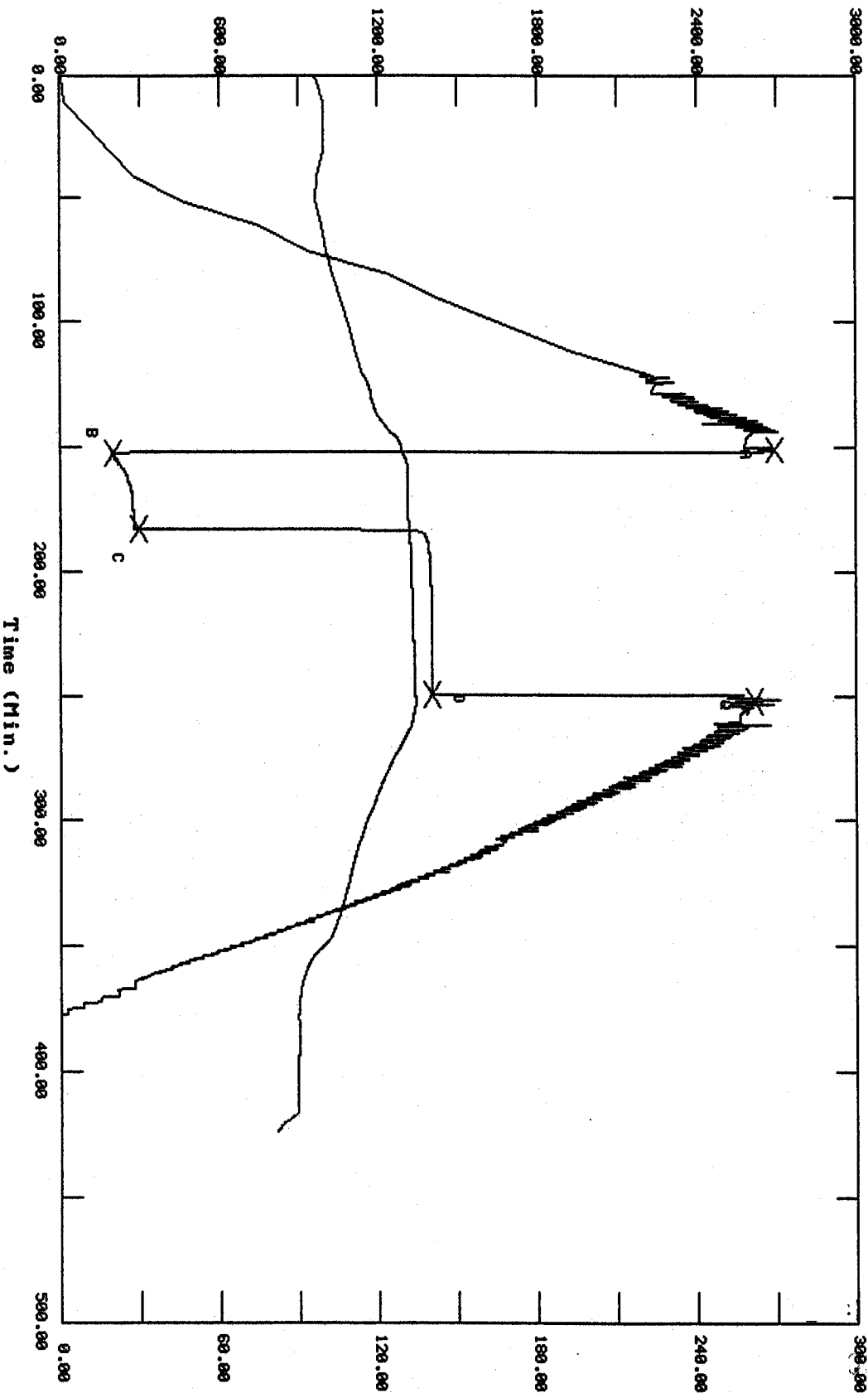
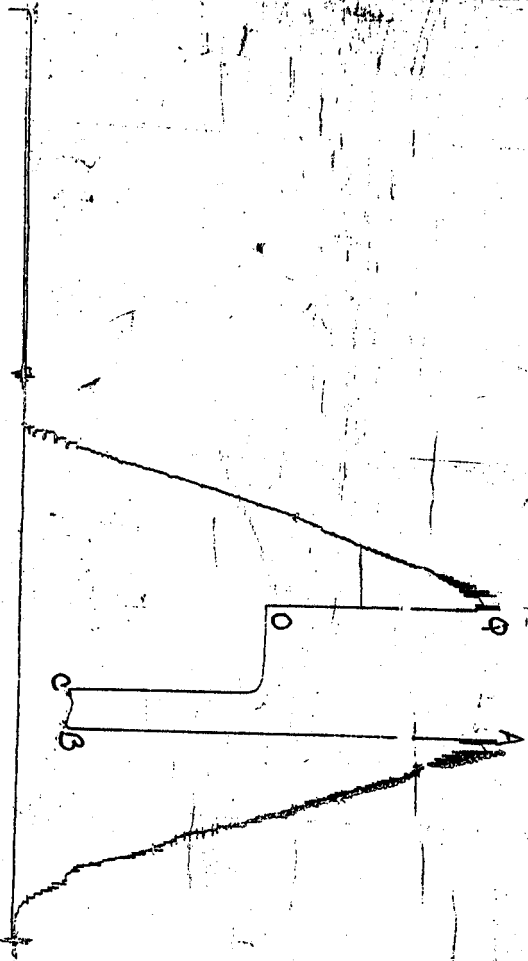


CHART PAGE

10993
DSF v1



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

Operator.....: Ocean Energy
Well Name.....: Johns #2-1
DST Number.....: 1

Location.: 1-31s-41w
Test Type: conv
Formation: Keyes

Recorder No....: 3227
Recorder Depth: 5419
Test Interval.: 5415-5443

RESERVOIR CALCULATIONS: Gas calculations based on shut-in #1

RESERVOIR PARAMETERS USED:

Net Pay.....:	15.00 ft
Porosity.....:	14.00 %
Bottom Hole Temp.....:	124.00 F
Specific Gravity.....:	0.830
Z factor.....:	.948
Compressibility.....:	0.003681 /psi
Viscosity.....:	0.0152 cp
Total Flowing Time.....:	30.00 min.
Flow Rate.....:	1379.00 mcf/d
Final Flowing Pressure.....:	290.00 psi
Horner Slope.....:	0.0553 *10 ⁶ psi ² /cycle
Extrapolated Pressure.....:	1408.13 psi
Assumed Drainage Radius.....:	1500.00 ft
Well Bore Radius.....:	3.94 in

RESULTS:

Effective Permeability.....:	22.885677 md
Flow Capacity.....:	343.2852 md.ft
Transmissibility.....:	22584.5496 md.ft/cp
Skin Factor.....:	37.5098
Pressure Drop Across Skin.....:	1083.5579 psi
Radius of Investigation.....:	35.0507 ft
Damage Ratio.....:	9.7427
Absolute Open Flow.....:	1439.7807 mcf/d
Absolute Open Flow W/O Damage..:	14027.3017 mcf/d
Estimated Stabilized AOF.....:	4720.8998 mcf/d

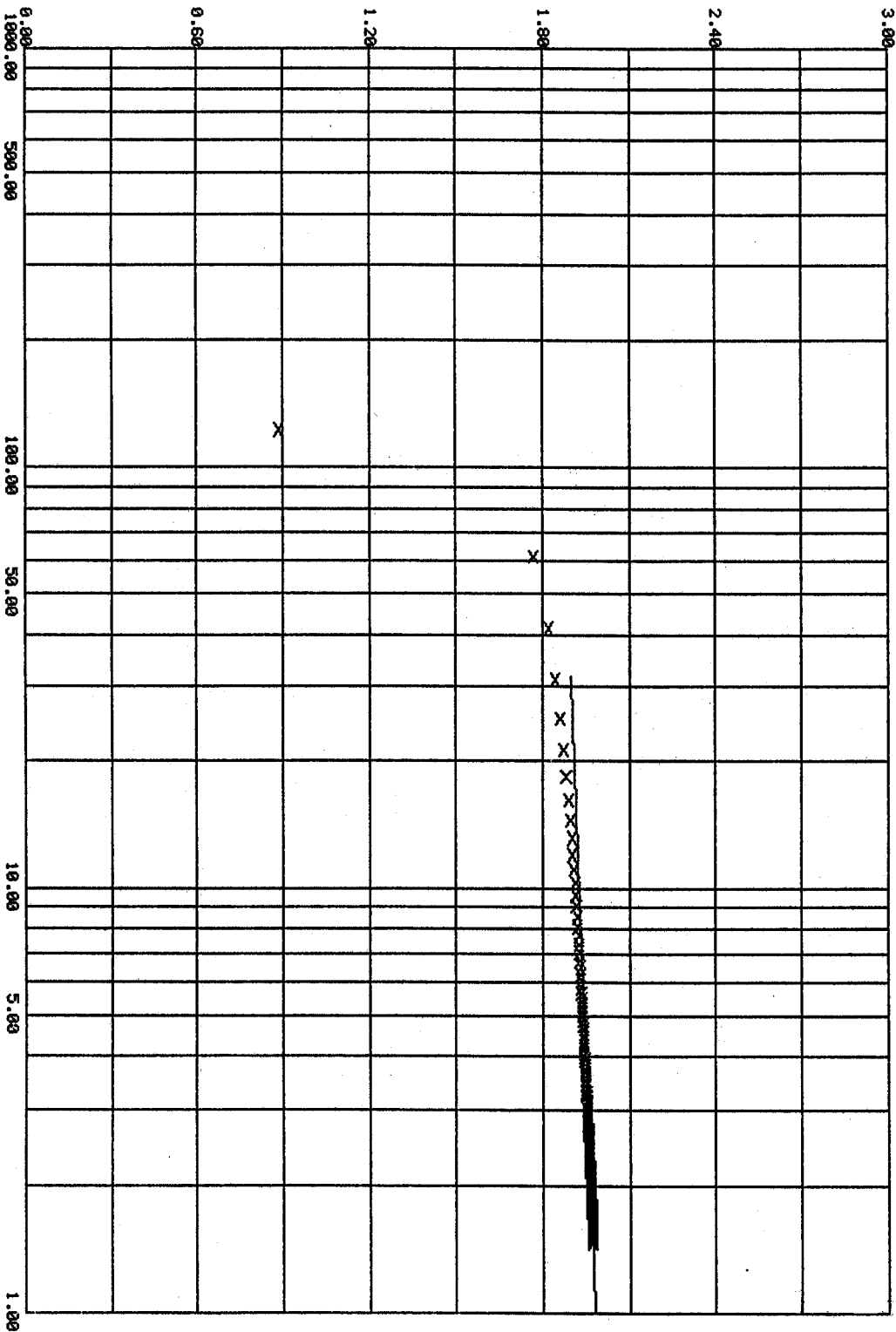
P² Horner Plot: shut-in #1

10922 DST #1 Johns #2-1 Ocean Energy

Slope: 0.0553 PSig²/10⁶/cycle

Ext. Pressure: 1408.1276 PSig

Pressure (PSig²/10⁶)



Time (T+DT)/DT

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	151.00	2696.8	0.0	129.10		
***** Start Flow 1	0.00	193.6	0.0	129.63		
	0.25	196.1	2.4	129.74		
	0.50	194.7	1.1	129.86		
	0.75	196.2	2.5	129.98		
	1.00	198.3	4.6	130.11		
	1.25	198.8	5.1	130.22		
	1.50	202.9	9.3	130.33		
	1.75	202.0	8.4	130.43		
	2.00	203.3	9.7	130.53		
	2.25	204.5	10.9	130.61		
	2.50	208.9	15.3	130.70		
	2.75	206.8	13.2	130.77		
	3.00	214.2	20.6	130.83		
	3.25	212.8	19.2	130.90		
	3.50	213.9	20.3	130.95		
	3.75	215.3	21.6	131.00		
	4.00	216.3	22.6	131.05		
	4.25	217.9	24.3	131.08		
	4.50	219.4	25.8	131.12		
	4.75	223.2	29.5	131.15		
	5.00	224.3	30.7	131.18		
	5.25	225.7	32.1	131.20		
	5.50	227.2	33.5	131.23		
	5.75	228.4	34.8	131.37		
	6.00	231.9	38.3	131.24		
	6.25	235.8	42.2	131.27		
	6.50	237.2	43.5	131.28		
	6.75	238.1	44.5	131.29		
	7.00	239.1	45.5	131.30		
	7.25	240.1	46.5	131.31		
	7.50	241.4	47.8	131.31		
	7.75	243.9	50.2	131.32		
	8.00	244.6	51.0	131.33		
	8.25	245.3	51.7	131.33		
	8.50	246.2	52.5	131.33		
	8.75	246.9	53.3	131.33		
	9.00	247.6	53.9	131.33		
	9.25	248.4	54.8	131.33		
	9.50	249.2	55.5	131.34		
	9.75	250.0	56.4	131.34		
	10.00	250.6	56.9	131.34		
	10.25	251.2	57.5	131.34		
	10.50	251.8	58.2	131.34		
	10.75	252.4	58.7	131.34		
	11.00	252.9	59.3	131.34		
	11.25	253.4	59.8	131.34		
	11.50	254.1	60.5	131.34		
	11.75	254.9	61.2	131.34		
	12.00	255.3	61.7	131.34		
	12.25	256.1	62.5	131.35		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.50	259.4	65.8	131.34		
12.75	261.8	68.2	131.34		
13.00	262.1	68.5	131.35		
13.25	262.0	68.4	131.35		
13.50	262.5	68.9	131.35		
13.75	262.8	69.2	131.35		
14.00	263.3	69.7	131.35		
14.25	263.6	70.0	131.35		
14.50	264.0	70.4	131.36		
14.75	264.8	71.2	131.36		
15.00	265.6	71.9	131.36		
15.25	265.8	72.2	131.36		
15.50	265.9	72.3	131.37		
15.75	265.8	72.2	131.37		
16.00	265.8	72.2	131.38		
16.25	266.2	72.6	131.38		
16.50	266.6	73.0	131.38		
16.75	266.9	73.2	131.38		
17.00	266.7	73.1	131.39		
17.25	266.5	72.9	131.40		
17.50	266.7	73.1	131.39		
17.75	266.8	73.2	131.40		
18.00	266.9	73.3	131.40		
18.25	267.0	73.4	131.41		
18.50	267.0	73.4	131.42		
18.75	267.2	73.5	131.42		
19.00	267.3	73.6	131.42		
19.25	267.5	73.9	131.43		
19.50	267.7	74.1	131.43		
19.75	268.1	74.4	131.44		
20.00	268.2	74.6	131.45		
20.25	268.6	75.0	131.45		
20.50	268.8	75.2	131.46		
20.75	269.1	75.4	131.46		
21.00	269.5	75.8	131.47		
21.25	269.7	76.1	131.48		
21.50	269.9	76.2	131.49		
21.75	270.2	76.6	131.49		
22.00	270.4	76.8	131.50		
22.25	270.6	77.0	131.50		
22.50	270.9	77.3	131.51		
22.75	271.0	77.4	131.52		
23.00	271.3	77.6	131.52		
23.25	271.5	77.9	131.53		
23.50	271.6	78.0	131.54		
23.75	271.6	78.0	131.54		
24.00	271.9	78.2	131.55		
24.25	272.2	78.5	131.56		
24.50	272.5	78.9	131.56		
24.75	272.5	78.9	131.57		
25.00	272.7	79.1	131.58		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.25	272.6	78.9	131.59		
	25.50	273.0	79.3	131.59		
	25.75	273.1	79.5	131.60		
	26.00	273.3	79.7	131.60		
	26.25	273.4	79.8	131.62		
	26.50	273.6	79.9	131.63		
	26.75	273.8	80.1	131.63		
	27.00	273.9	80.3	131.64		
	27.25	274.0	80.4	131.65		
	27.50	274.3	80.6	131.66		
	27.75	274.4	80.8	131.66		
	28.00	274.6	81.0	131.67		
	28.25	274.8	81.2	131.68		
	28.50	275.0	81.4	131.69		
	28.75	275.1	81.4	131.69		
	29.00	275.3	81.7	131.71		
	29.25	275.5	81.9	131.71		
	29.50	275.8	82.2	131.72		
	29.75	276.1	82.5	131.73		
	30.00	276.2	82.6	131.74		
***** End Flow 1	30.25	290.7	97.1	131.75		
***** Start Shutin 1	0.00	290.7	0.0	131.75	0.0000	0.085
	0.25	941.9	651.2	131.75	122.0000	0.887
	0.50	1330.1	1039.4	131.77	61.5000	1.769
	0.75	1349.4	1058.7	131.78	41.3333	1.821
	1.00	1358.6	1067.9	131.81	31.2500	1.846
	1.25	1364.5	1073.7	131.83	25.2000	1.862
	1.50	1368.6	1077.9	131.85	21.1667	1.873
	1.75	1371.9	1081.2	131.89	18.2857	1.882
	2.00	1374.5	1083.8	131.90	16.1250	1.889
	2.25	1376.7	1086.0	131.94	14.4444	1.895
	2.50	1378.5	1087.8	131.96	13.1000	1.900
	2.75	1380.0	1089.3	131.99	12.0000	1.904
	3.00	1381.4	1090.6	132.01	11.0833	1.908
	3.25	1382.6	1091.8	132.04	10.3077	1.911
	3.50	1383.6	1092.9	132.07	9.6429	1.914
	3.75	1384.5	1093.8	132.08	9.0667	1.917
	4.00	1385.4	1094.6	132.11	8.5625	1.919
	4.25	1386.1	1095.4	132.13	8.1176	1.921
	4.50	1386.8	1096.1	132.15	7.7222	1.923
	4.75	1387.5	1096.7	132.17	7.3684	1.925
	5.00	1388.1	1097.4	132.19	7.0500	1.927
	5.25	1388.6	1097.9	132.20	6.7619	1.928
	5.50	1389.1	1098.4	132.23	6.5000	1.930
	5.75	1389.6	1098.8	132.24	6.2609	1.931
	6.00	1390.0	1099.3	132.25	6.0417	1.932
	6.25	1390.4	1099.7	132.27	5.8400	1.933
	6.50	1390.9	1100.1	132.28	5.6538	1.934
	6.75	1391.2	1100.5	132.30	5.4815	1.935
	7.00	1391.6	1100.8	132.31	5.3214	1.936
	7.25	1391.9	1101.2	132.32	5.1724	1.937

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
7.50	1392.2	1101.5	132.33	5.0333	1.938
7.75	1392.5	1101.7	132.35	4.9032	1.939
8.00	1392.8	1102.0	132.36	4.7812	1.940
8.25	1393.0	1102.3	132.37	4.6667	1.941
8.50	1393.3	1102.6	132.37	4.5588	1.941
8.75	1393.6	1102.8	132.38	4.4571	1.942
9.00	1393.8	1103.1	132.40	4.3611	1.943
9.25	1394.0	1103.3	132.40	4.2703	1.943
9.50	1394.3	1103.5	132.41	4.1842	1.944
9.75	1394.5	1103.8	132.42	4.1026	1.945
10.00	1394.7	1104.0	132.43	4.0250	1.945
10.25	1394.9	1104.2	132.44	3.9512	1.946
10.50	1395.1	1104.4	132.45	3.8810	1.946
10.75	1395.3	1104.6	132.45	3.8140	1.947
11.00	1395.5	1104.8	132.46	3.7500	1.947
11.25	1395.7	1104.9	132.47	3.6889	1.948
11.50	1395.8	1105.1	132.48	3.6304	1.948
11.75	1396.0	1105.3	132.48	3.5745	1.949
12.00	1396.2	1105.4	132.49	3.5208	1.949
12.25	1396.3	1105.6	132.50	3.4694	1.950
12.50	1396.5	1105.7	132.50	3.4200	1.950
12.75	1396.6	1105.9	132.52	3.3725	1.951
13.00	1396.7	1106.0	132.52	3.3269	1.951
13.25	1396.9	1106.2	132.53	3.2830	1.951
13.50	1397.1	1106.3	132.54	3.2407	1.952
13.75	1397.2	1106.4	132.54	3.2000	1.952
14.00	1397.3	1106.6	132.55	3.1607	1.953
14.25	1397.4	1106.7	132.56	3.1228	1.953
14.50	1397.6	1106.8	132.56	3.0862	1.953
14.75	1397.7	1107.0	132.57	3.0508	1.954
15.00	1397.8	1107.1	132.57	3.0167	1.954
15.25	1397.9	1107.2	132.59	2.9836	1.954
15.50	1398.0	1107.3	132.59	2.9516	1.955
15.75	1398.2	1107.4	132.60	2.9206	1.955
16.00	1398.2	1107.5	132.61	2.8906	1.955
16.25	1398.4	1107.6	132.61	2.8615	1.955
16.50	1398.5	1107.7	132.62	2.8333	1.956
16.75	1398.6	1107.8	132.63	2.8060	1.956
17.00	1398.7	1107.9	132.63	2.7794	1.956
17.25	1398.8	1108.0	132.64	2.7536	1.957
17.50	1398.9	1108.1	132.65	2.7286	1.957
17.75	1399.0	1108.2	132.66	2.7042	1.957
18.00	1399.0	1108.3	132.66	2.6806	1.957
18.25	1399.1	1108.3	132.67	2.6575	1.957
18.50	1399.2	1108.5	132.68	2.6351	1.958
18.75	1399.3	1108.6	132.69	2.6133	1.958
19.00	1399.4	1108.7	132.69	2.5921	1.958
19.25	1399.5	1108.7	132.71	2.5714	1.959
19.50	1399.5	1108.8	132.71	2.5513	1.959
19.75	1399.6	1108.9	132.72	2.5316	1.959
20.00	1399.7	1109.0	132.72	2.5125	1.959

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
20.25	1399.8	1109.0	132.73	2.4938	1.959
20.50	1399.8	1109.1	132.74	2.4756	1.960
20.75	1399.9	1109.1	132.74	2.4578	1.960
21.00	1400.0	1109.2	132.75	2.4405	1.960
21.25	1400.1	1109.3	132.76	2.4235	1.960
21.50	1400.1	1109.4	132.76	2.4070	1.960
21.75	1400.2	1109.4	132.78	2.3908	1.960
22.00	1400.2	1109.5	132.78	2.3750	1.961
22.25	1400.3	1109.5	132.79	2.3596	1.961
22.50	1400.4	1109.6	132.79	2.3444	1.961
22.75	1400.4	1109.7	132.80	2.3297	1.961
23.00	1400.5	1109.8	132.81	2.3152	1.961
23.25	1400.6	1109.8	132.82	2.3011	1.962
23.50	1400.6	1109.9	132.82	2.2872	1.962
23.75	1400.7	1109.9	132.83	2.2737	1.962
24.00	1400.7	1110.0	132.84	2.2604	1.962
24.25	1400.8	1110.1	132.85	2.2474	1.962
24.50	1400.9	1110.1	132.86	2.2347	1.962
24.75	1400.9	1110.2	132.86	2.2222	1.963
25.00	1401.0	1110.3	132.87	2.2100	1.963
25.25	1401.1	1110.3	132.87	2.1980	1.963
25.50	1401.1	1110.4	132.88	2.1863	1.963
25.75	1401.1	1110.4	132.89	2.1748	1.963
26.00	1401.2	1110.5	132.89	2.1635	1.963
26.25	1401.2	1110.5	132.90	2.1524	1.964
26.50	1401.3	1110.6	132.91	2.1415	1.964
26.75	1401.3	1110.6	132.92	2.1308	1.964
27.00	1401.4	1110.7	132.92	2.1204	1.964
27.25	1401.5	1110.8	132.93	2.1101	1.964
27.50	1401.5	1110.8	132.94	2.1000	1.964
27.75	1401.6	1110.8	132.95	2.0901	1.964
28.00	1401.6	1110.8	132.96	2.0804	1.964
28.25	1401.6	1110.9	132.96	2.0708	1.965
28.50	1401.7	1111.0	132.97	2.0614	1.965
28.75	1401.7	1111.0	132.97	2.0522	1.965
29.00	1401.8	1111.0	132.98	2.0431	1.965
29.25	1401.8	1111.1	132.99	2.0342	1.965
29.50	1401.9	1111.1	133.00	2.0254	1.965
29.75	1401.9	1111.2	133.01	2.0168	1.965
30.00	1402.0	1111.2	133.02	2.0083	1.965
30.25	1402.0	1111.3	133.02	2.0000	1.966
30.50	1402.0	1111.3	133.03	1.9918	1.966
30.75	1402.1	1111.4	133.04	1.9837	1.966
31.00	1402.2	1111.4	133.04	1.9758	1.966
31.25	1402.2	1111.4	133.05	1.9680	1.966
31.50	1402.2	1111.5	133.06	1.9603	1.966
31.75	1402.3	1111.5	133.07	1.9528	1.966
32.00	1402.3	1111.5	133.07	1.9453	1.966
32.25	1402.3	1111.5	133.08	1.9380	1.966
32.50	1402.3	1111.6	133.09	1.9308	1.966
32.75	1402.4	1111.6	133.10	1.9237	1.967

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dt)/dT	P^2/10^6
33.00	1402.4	1111.7	133.11	1.9167	1.967
33.25	1402.4	1111.7	133.11	1.9098	1.967
33.50	1402.5	1111.7	133.11	1.9030	1.967
33.75	1402.5	1111.8	133.12	1.8963	1.967
34.00	1402.5	1111.8	133.13	1.8897	1.967
34.25	1402.6	1111.8	133.14	1.8832	1.967
34.50	1402.6	1111.9	133.14	1.8768	1.967
34.75	1402.6	1111.9	133.15	1.8705	1.967
35.00	1402.7	1111.9	133.16	1.8643	1.967
35.25	1402.7	1112.0	133.16	1.8582	1.968
35.50	1402.7	1112.0	133.17	1.8521	1.968
35.75	1402.7	1112.0	133.18	1.8462	1.968
36.00	1402.8	1112.0	133.19	1.8403	1.968
36.25	1402.8	1112.0	133.20	1.8345	1.968
36.50	1402.9	1112.1	133.20	1.8288	1.968
36.75	1402.9	1112.1	133.21	1.8231	1.968
37.00	1402.9	1112.2	133.22	1.8176	1.968
37.25	1402.9	1112.2	133.22	1.8121	1.968
37.50	1403.0	1112.2	133.23	1.8067	1.968
37.75	1403.0	1112.3	133.24	1.8013	1.968
38.00	1403.0	1112.3	133.24	1.7961	1.968
38.25	1403.0	1112.3	133.25	1.7908	1.969
38.50	1403.0	1112.3	133.27	1.7857	1.969
38.75	1403.1	1112.4	133.27	1.7806	1.969
39.00	1403.1	1112.4	133.27	1.7756	1.969
39.25	1403.1	1112.4	133.28	1.7707	1.969
39.50	1403.1	1112.4	133.29	1.7658	1.969
39.75	1403.2	1112.4	133.30	1.7610	1.969
40.00	1403.2	1112.5	133.31	1.7563	1.969
40.25	1403.3	1112.5	133.32	1.7516	1.969
40.50	1403.3	1112.6	133.32	1.7469	1.969
40.75	1403.3	1112.5	133.33	1.7423	1.969
41.00	1403.3	1112.6	133.33	1.7378	1.969
41.25	1403.4	1112.6	133.34	1.7333	1.969
41.50	1403.4	1112.6	133.36	1.7289	1.969
41.75	1403.4	1112.7	133.36	1.7246	1.970
42.00	1403.4	1112.7	133.37	1.7202	1.970
42.25	1403.4	1112.7	133.37	1.7160	1.970
42.50	1403.5	1112.7	133.37	1.7118	1.970
42.75	1403.5	1112.7	133.37	1.7076	1.970
43.00	1403.5	1112.7	133.37	1.7035	1.970
43.25	1403.5	1112.8	133.39	1.6994	1.970
43.50	1403.6	1112.8	133.40	1.6954	1.970
43.75	1403.6	1112.8	133.40	1.6914	1.970
44.00	1403.6	1112.8	133.41	1.6875	1.970
44.25	1403.6	1112.9	133.41	1.6836	1.970
44.50	1403.6	1112.9	133.43	1.6798	1.970
44.75	1403.7	1112.9	133.43	1.6760	1.970
45.00	1403.7	1113.0	133.44	1.6722	1.970
45.25	1403.7	1113.0	133.44	1.6685	1.970
45.50	1403.7	1113.0	133.45	1.6648	1.971

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dt)/dt	P^2/10^6
45.75	1403.7	1113.0	133.46	1.6612	1.971
46.00	1403.8	1113.0	133.46	1.6576	1.971
46.25	1403.8	1113.1	133.47	1.6541	1.971
46.50	1403.8	1113.1	133.48	1.6505	1.971
46.75	1403.8	1113.1	133.48	1.6471	1.971
47.00	1403.8	1113.1	133.49	1.6436	1.971
47.25	1403.9	1113.1	133.50	1.6402	1.971
47.50	1403.9	1113.1	133.51	1.6368	1.971
47.75	1403.9	1113.1	133.51	1.6335	1.971
48.00	1403.9	1113.2	133.52	1.6302	1.971
48.25	1403.9	1113.2	133.53	1.6269	1.971
48.50	1404.0	1113.2	133.53	1.6237	1.971
48.75	1404.0	1113.2	133.54	1.6205	1.971
49.00	1404.0	1113.2	133.55	1.6173	1.971
49.25	1404.0	1113.3	133.55	1.6142	1.971
49.50	1404.0	1113.3	133.56	1.6111	1.971
49.75	1404.0	1113.3	133.56	1.6080	1.971
50.00	1404.1	1113.3	133.57	1.6050	1.971
50.25	1404.1	1113.3	133.58	1.6020	1.971
50.50	1404.1	1113.4	133.59	1.5990	1.972
50.75	1404.1	1113.4	133.59	1.5961	1.972
51.00	1404.1	1113.4	133.60	1.5931	1.972
51.25	1404.2	1113.4	133.61	1.5902	1.972
51.50	1404.2	1113.4	133.61	1.5874	1.972
51.75	1404.2	1113.4	133.62	1.5845	1.972
52.00	1404.2	1113.5	133.63	1.5817	1.972
52.25	1404.2	1113.5	133.63	1.5789	1.972
52.50	1404.2	1113.5	133.64	1.5762	1.972
52.75	1404.2	1113.5	133.65	1.5735	1.972
53.00	1404.2	1113.5	133.65	1.5708	1.972
53.25	1404.3	1113.6	133.66	1.5681	1.972
53.50	1404.3	1113.5	133.67	1.5654	1.972
53.75	1404.3	1113.5	133.67	1.5628	1.972
54.00	1404.3	1113.6	133.68	1.5602	1.972
54.25	1404.3	1113.6	133.69	1.5576	1.972
54.50	1404.3	1113.6	133.70	1.5550	1.972
54.75	1404.4	1113.6	133.71	1.5525	1.972
55.00	1404.4	1113.7	133.71	1.5500	1.972
55.25	1404.4	1113.7	133.72	1.5475	1.972
55.50	1404.4	1113.7	133.73	1.5450	1.972
55.75	1404.4	1113.7	133.73	1.5426	1.972
56.00	1404.5	1113.7	133.73	1.5402	1.973
56.25	1404.5	1113.7	133.74	1.5378	1.973
56.50	1404.5	1113.7	133.75	1.5354	1.973
56.75	1404.5	1113.8	133.75	1.5330	1.973
57.00	1404.5	1113.8	133.76	1.5307	1.973
57.25	1404.5	1113.8	133.77	1.5284	1.973
57.50	1404.5	1113.8	133.77	1.5261	1.973
57.75	1404.6	1113.8	133.78	1.5238	1.973
58.00	1404.6	1113.8	133.79	1.5216	1.973
58.25	1404.6	1113.8	133.80	1.5193	1.973

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10922 DST #1 Johns #2-1 Ocean Energy

DATE: 07/02/98

TIME: 18:59:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	58.50	1404.6	1113.8	133.80	1.5171	1.973
	58.75	1404.6	1113.9	133.81	1.5149	1.973
	59.00	1404.6	1113.9	133.81	1.5127	1.973
	59.25	1404.6	1113.9	133.82	1.5105	1.973
	59.50	1404.6	1113.9	133.83	1.5084	1.973
	59.75	1404.6	1113.9	133.83	1.5063	1.973
	60.00	1404.6	1113.9	133.84	1.5042	1.973
	60.25	1404.7	1113.9	133.85	1.5021	1.973
	60.50	1404.7	1114.0	133.85	1.5000	1.973
	60.75	1404.7	1114.0	133.85	1.4979	1.973
	61.00	1404.7	1114.0	133.86	1.4959	1.973
	61.25	1404.7	1114.0	133.87	1.4939	1.973
	61.50	1404.7	1114.0	133.88	1.4919	1.973
	61.75	1404.8	1114.0	133.88	1.4899	1.973
	62.00	1404.8	1114.0	133.90	1.4879	1.973
	62.25	1404.8	1114.0	133.90	1.4859	1.973
	62.50	1404.8	1114.0	133.90	1.4840	1.973
	62.75	1404.8	1114.1	133.91	1.4821	1.973
	63.00	1404.8	1114.0	133.91	1.4802	1.973
	63.25	1404.8	1114.1	133.92	1.4783	1.973
	63.50	1404.8	1114.1	133.92	1.4764	1.974
	63.75	1404.8	1114.1	133.93	1.4745	1.974
	64.00	1404.8	1114.1	133.94	1.4727	1.974
	64.25	1404.8	1114.1	133.94	1.4708	1.974
	64.50	1404.9	1114.1	133.95	1.4690	1.974
	64.75	1404.9	1114.1	133.96	1.4672	1.974
	65.00	1404.9	1114.1	133.96	1.4654	1.974
	65.25	1404.9	1114.2	133.97	1.4636	1.974
	65.50	1404.9	1114.2	133.98	1.4618	1.974
	65.75	1404.7	1114.0	133.99	1.4601	1.973
	66.00	1404.8	1114.1	133.99	1.4583	1.973
	66.25	1404.8	1114.1	134.00	1.4566	1.974
***** End Shut-in 1	66.50	1404.9	1114.1	134.00	1.4549	1.974
***** Final Hydro.	252.00	2616.6	0.0	134.13		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10922

Well Name & No. Johns #2-1 Test No. #1 Date 7-2-98
Company Ocean Energy Zone Tested Kcys
Address 410 17th St. 1400 Dave Cb. 80200 Elevation 3351 KB 3346 GL
Co. Rep / Geo. Richard Hall Cont. VAI Energy Rig #1 Est. Ft. of Pay 10 Por. %
Location: Sec. 1 Twp. 31 Rge. 41W Co. Morton State KS.
No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5415 - 5443 Initial Str Wt./Lbs. 78,000 Unseated Str Wt./Lbs. 80,000
Anchor Length 28' Wt. Set Lbs. 25,100 Wt. Pulled Loose/Lbs. 125,000
Top Packer Depth 5410 Tool Weight 4,800
Bottom Packer Depth 5415 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
Total Depth 5443 Wt. Pipe Run Drill Collar Run 533'
Mud Wt. 9.2 LCM 7" Vis. 46 WL 7.2 Drill Pipe Size 4 1/2 X-D Ft. Run 4860
Blow Description Strong Blow B.O.B soon as open Tool 675 2min
EMCF @ 13793
Ind. opening try to open Tool couldn't Hold 3 Pounds Torque T.O.H.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>4</u>	Feet Of <u>Watery mud</u>	%gas <u> </u> %oil <u> </u>	%water <u>35</u> %mud <u>65</u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT 124 °F Gravity °API D@ °F Corrected Gravity °API
RW 1405 @ 69.5 °F Chlorides 19,000 ppm Recovery Chlorides 600 ppm System
(A) Initial Hydrostatic Mud 2696 2739 PSI Recorder No. 3227 T-Started 9:09 AM 7:00 PM
(B) First Initial Flow Pressure 193 271 PSI (depth) 5419 T-Open 9:39 AM
(C) First Final Flow Pressure 290 293 PSI Recorder No. 10993 T-Pulled 11:15 PM
(D) Initial Shut-in Pressure 1404 1403 PSI (depth) 5139 T-Out 2:30 AM
(E) Second Initial Flow Pressure PSI Recorder No.
(F) Second Final Flow Pressure PSI (depth)
(G) Final Shut-in Pressure PSI Initial Opening 30 min Test ✓ Conventional
(H) Final Hydrostatic Mud 2616 2686 PSI Initial Shut-in 60 min. Jars
Alpine At-1 Final Flow Safety Joint ✓
Initial Shut-in Straddle
Circ. Sub ✓ N/C
Sampler ✓
Extra Packer
Elect. Rec. ✓
Other

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 Leon Doye