

15-173-20891

18-28s-3w

WELL NAME: Zogelman #41-18
COMPANY: Marexco, Inc
LOCATION: 18-28S-3W
Sedgwick County Kansas
DATE: 07/10/96

TRILOBITE TESTING L.L.C.

OPERATOR : MAREXCO INC.

DATE 7-10-96

WELL NAME: ZOGELMAN #41-18

KB 1441.00 ft TICKET NO: 9359 DST #1

LOCATION : 18-28S-3W SEDGWICK CTY KS

GR 1433.00 ft FORMATION: MISS.

INTERVAL : 3611.00 To 3775.00 ft

TD 3775.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2351			PF Fr. 0002 to 0032 hr
SI 45 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0032 to 0117 hr
SF 90 Clock(hrs)	12 HR	12 HR	ALPIN			SF Fr. 0117 to 0247 hr
FS 90 Depth(ft)	3772.0	3772.0	3622.0	0.0	0.0	FS Fr. 0247 to 0417 hr

	Field	1	2	3	4	
A. Init Hydro	1854.0	1867.0	1829.0	0.0	0.0	T STARTED 2223 hr
B. First Flow	116.0	112.0	28.0	0.0	0.0	T ON BOTM 0000 hr
B1. Final Flow	141.0	123.0	39.0	0.0	0.0	T OPEN 0002 hr
C. In Shut-in	1283.0	1279.0	1219.0	0.0	0.0	T PULLED 0418 hr
D. Init Flow	141.0	128.0	42.0	0.0	0.0	T OUT 0620 hr
E. Final Flow	157.0	141.0	72.0	0.0	0.0	
F. Fl Shut-in	1217.0	1213.0	1162.0	0.0	0.0	
G. Final Hydro	1799.0	1782.0	1731.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 105.00 ft of 0.00 ft in DC and 105.00 ft in DP
105.00 ft of MUD

OIL SPECKS AT TOP OF TOOL

10.00 ft of PAY (est)

RW .74 @ 76 F

SALINITY 8500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL FLOW -

WEAK BLOW 1" - 2.25" IN WATER

FINAL FLOW -

WEAK BLOW .25" - 2.25" IN WATER

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.30 lb/cf
Vis.	44.00 S/L
W.L.	9.60 in3
F.C.	0.20 in

Mud Drop N

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	GOOD
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased N	
Tester	GARY PEVOTEAUX
Co. Rep.	ROGER MARTIN
Contr.	DUKE DRLG.
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

9359 DST#1 ZOGELMAN#41-18 MAREXCO INC. TEST HISTORY

Flag Points

t (Min.) P (PSIg)

A: 0.00 1829.37
 B: 0.00 28.19
 C: 27.00 38.93
 D: 44.00 1219.46
 E: 0.00 42.46
 F: 89.00 71.67
 G: 91.00 1162.31
 Q: 0.00 1731.00

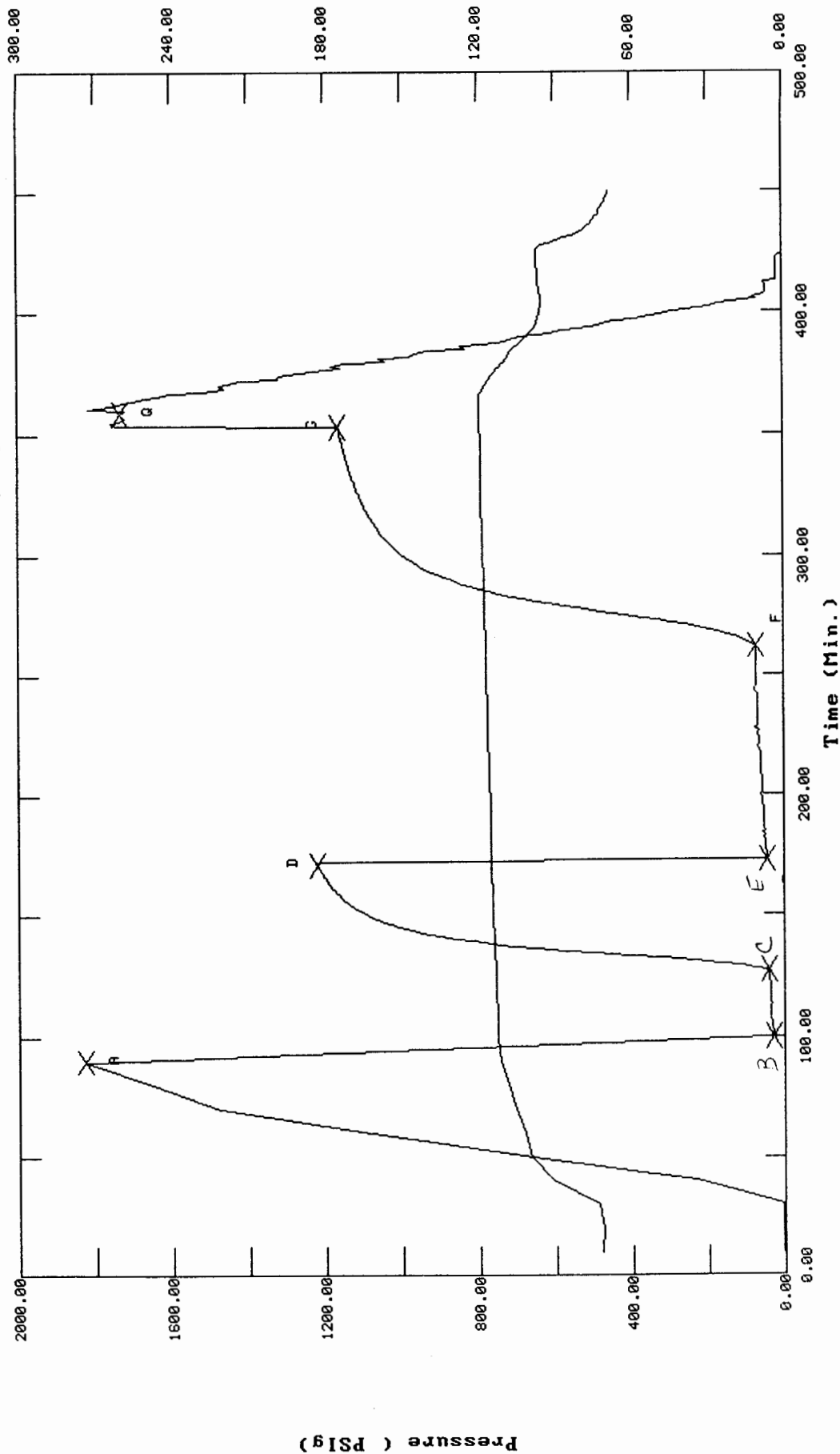
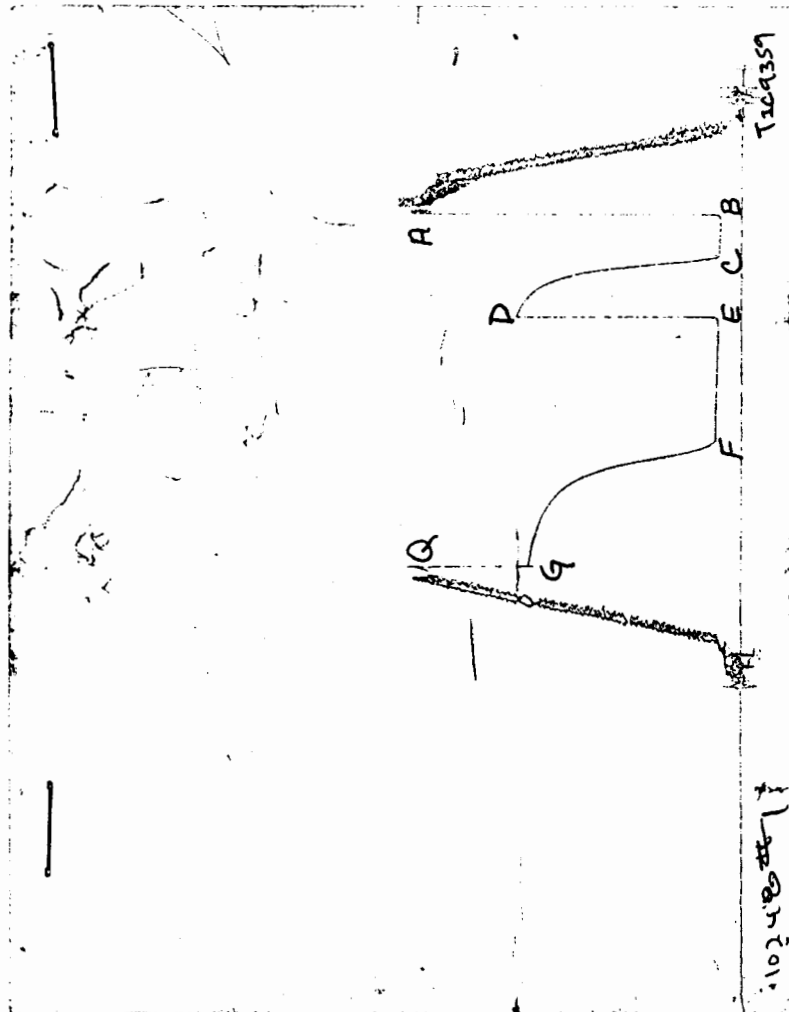


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9359 DST#1 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/09/96

TIME: 22:23:40

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	90.00	1829.4	0.0	111.39		
***** Start Flow 1	0.00	28.2	0.0	112.66		
	6.00	31.9	3.7	112.72		
	7.00	32.6	4.4	112.75		
	8.00	32.8	4.6	112.79		
	9.00	33.5	5.3	112.84		
	10.00	34.2	6.0	112.88		
	11.00	35.1	6.9	112.93		
	12.00	35.2	7.0	112.97		
	13.00	32.0	3.8	113.01		
	14.00	32.6	4.4	113.05		
	15.00	33.3	5.1	113.09		
	16.00	33.5	5.3	113.14		
	17.00	34.4	6.2	113.18		
	18.00	34.7	6.5	113.21		
	19.00	35.2	7.0	113.24		
	20.00	35.7	7.5	113.27		
	21.00	35.9	7.7	113.29		
	22.00	36.4	8.2	113.32		
	23.00	36.8	8.6	113.35		
	24.00	37.2	9.0	113.37		
	25.00	37.8	9.6	113.40		
	26.00	38.3	10.1	113.44		
***** End Flow 1	27.00	38.9	10.7	113.47		
***** Start Shutin 1	0.00	38.9	0.0	113.47	0.0000	0.002
	1.00	76.5	37.6	113.49	28.0000	0.006
	2.00	112.5	73.6	113.52	14.5000	0.013
	3.00	164.7	125.8	113.55	10.0000	0.027
	4.00	235.7	196.7	113.59	7.7500	0.056
	5.00	319.6	280.7	113.63	6.4000	0.102
	6.00	407.9	368.9	113.66	5.5000	0.166
	7.00	493.7	454.8	113.72	4.8571	0.244
	8.00	573.6	534.6	113.76	4.3750	0.329
	9.00	645.8	606.9	113.81	4.0000	0.417
	10.00	710.4	671.4	113.86	3.7000	0.505
	11.00	767.5	728.6	113.92	3.4545	0.589
	12.00	817.4	778.5	113.96	3.2500	0.668
	13.00	860.9	822.0	114.00	3.0769	0.741
	14.00	898.6	859.7	114.05	2.9286	0.807
	15.00	931.6	892.7	114.09	2.8000	0.868
	16.00	960.5	921.5	114.14	2.6875	0.922
	17.00	986.0	947.0	114.17	2.5882	0.972
	18.00	1008.4	969.5	114.22	2.5000	1.017
	19.00	1028.4	989.4	114.26	2.4211	1.058
	20.00	1046.2	1007.2	114.31	2.3500	1.094
	21.00	1062.1	1023.2	114.33	2.2857	1.128
	22.00	1076.4	1037.5	114.38	2.2273	1.159
	23.00	1089.5	1050.6	114.41	2.1739	1.187
	24.00	1101.4	1062.4	114.44	2.1250	1.213
	25.00	1112.1	1073.2	114.48	2.0800	1.237
	26.00	1122.0	1083.1	114.51	2.0385	1.259

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9359 DST#1 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/09/96

TIME: 22:23:40

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	27.00	1131.2	1092.2	114.54	2.0000	1.280
	28.00	1139.6	1100.6	114.57	1.9643	1.299
	29.00	1147.5	1108.5	114.58	1.9310	1.317
	30.00	1154.7	1115.7	114.63	1.9000	1.333
	31.00	1161.5	1122.5	114.66	1.8710	1.349
	32.00	1167.8	1128.9	114.68	1.8438	1.364
	33.00	1173.6	1134.7	114.71	1.8182	1.377
	34.00	1179.1	1140.2	114.74	1.7941	1.390
	35.00	1184.4	1145.4	114.76	1.7714	1.403
	36.00	1189.2	1150.2	114.79	1.7500	1.414
	37.00	1193.6	1154.7	114.82	1.7297	1.425
	38.00	1198.0	1159.0	114.84	1.7105	1.435
	39.00	1202.1	1163.2	114.87	1.6923	1.445
	40.00	1206.0	1167.0	114.89	1.6750	1.454
	41.00	1209.6	1170.6	114.92	1.6585	1.463
	42.00	1212.9	1174.0	114.95	1.6429	1.471
	43.00	1216.3	1177.3	114.97	1.6279	1.479
***** End Shut-in 1	44.00	1219.5	1180.5	114.99	1.6136	1.487
***** Start Flow 2	0.00	42.5	0.0	114.99		
	1.00	43.0	0.5	114.98		
	2.00	43.5	1.1	114.96		
	3.00	44.1	1.7	114.94		
	4.00	44.6	2.2	114.94		
	5.00	45.1	2.6	114.94		
	6.00	45.4	2.9	114.95		
	7.00	46.6	4.1	114.98		
	8.00	46.5	4.0	115.01		
	9.00	50.3	7.9	115.03		
	10.00	47.0	4.5	115.06		
	11.00	53.1	10.7	115.09		
	12.00	48.3	5.9	115.11		
	13.00	48.8	6.4	115.11		
	14.00	49.7	7.2	115.12		
	15.00	50.1	7.6	115.12		
	16.00	50.3	7.8	115.13		
	17.00	50.4	8.0	115.15		
	18.00	51.5	9.1	115.17		
	19.00	51.0	8.6	115.19		
	20.00	51.4	8.9	115.21		
	21.00	51.8	9.3	115.24		
	22.00	52.3	9.8	115.27		
	23.00	52.7	10.2	115.29		
	24.00	52.8	10.3	115.33		
	25.00	52.9	10.5	115.35		
	26.00	53.7	11.2	115.37		
	27.00	58.6	16.1	115.39		
	28.00	54.4	11.9	115.40		
	29.00	54.5	12.1	115.42		
	30.00	54.7	12.3	115.44		
	31.00	55.2	12.8	115.48		
	32.00	55.6	13.1	115.53		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9359 DST#1 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/09/96

TIME: 22:23:40

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
33.00	55.9	13.4	115.54		
34.00	56.1	13.7	115.59		
35.00	56.5	14.0	115.63		
36.00	57.6	15.1	115.67		
37.00	57.4	14.9	115.71		
38.00	57.4	14.9	115.74		
39.00	59.2	16.7	115.76		
40.00	58.2	15.7	115.80		
41.00	58.5	16.0	115.82		
42.00	59.0	16.5	115.86		
43.00	59.1	16.6	115.88		
44.00	59.5	17.0	115.92		
45.00	59.8	17.4	115.97		
46.00	62.9	20.5	116.03		
47.00	65.1	22.7	116.08		
48.00	60.8	18.4	116.12		
49.00	61.8	19.4	116.17		
50.00	61.3	18.8	116.21		
51.00	61.6	19.1	116.25		
52.00	67.2	24.8	116.28		
53.00	64.8	22.3	116.31		
54.00	62.9	20.4	116.33		
55.00	74.9	32.5	116.34		
56.00	66.7	24.3	116.36		
57.00	64.8	22.3	116.38		
58.00	65.6	23.2	116.40		
59.00	65.2	22.7	116.42		
60.00	65.5	23.1	116.45		
61.00	65.4	22.9	116.46		
62.00	65.5	23.0	116.48		
63.00	65.5	23.1	116.50		
64.00	65.8	23.3	116.52		
65.00	66.1	23.7	116.54		
66.00	68.2	25.8	116.56		
67.00	68.2	25.8	116.57		
68.00	67.6	25.2	116.59		
69.00	67.7	25.3	116.61		
70.00	68.8	26.4	116.64		
71.00	74.9	32.5	116.66		
72.00	70.8	28.4	116.68		
73.00	69.4	26.9	116.70		
74.00	69.2	26.8	116.73		
75.00	69.1	26.7	116.74		
76.00	69.4	26.9	116.76		
77.00	69.3	26.9	116.79		
78.00	69.6	27.1	116.80		
79.00	69.6	27.1	116.83		
80.00	69.8	27.4	116.85		
81.00	70.0	27.5	116.87		
82.00	70.1	27.6	116.89		
83.00	70.2	27.7	116.91		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9359 DST#1 ZOGELMAN#41-18 MAREXCO INC.
 DATE: 07/09/96 TIME: 22:23:40

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	84.00	70.4	27.9	116.94		
	85.00	70.7	28.2	116.96		
	86.00	70.9	28.5	116.98		
	87.00	71.2	28.7	117.00		
	88.00	71.4	29.0	117.03		
***** End Flow 2	89.00	71.7	29.2	117.05		
***** Start Shutin 2	0.00	71.7	0.0	117.05	0.0000	0.005
	1.00	85.0	13.3	117.08	117.0000	0.007
	2.00	97.5	25.8	117.11	59.0000	0.01
	3.00	111.7	40.0	117.13	39.6667	0.012
	4.00	128.1	56.5	117.15	30.0000	0.016
	5.00	147.1	75.5	117.18	24.2000	0.022
	6.00	169.2	97.5	117.20	20.3333	0.029
	7.00	194.8	123.1	117.21	17.5714	0.038
	8.00	224.1	152.4	117.24	15.5000	0.050
	9.00	257.1	185.4	117.26	13.8889	0.066
	10.00	293.1	221.4	117.29	12.6000	0.086
	11.00	331.6	259.9	117.32	11.5455	0.110
	12.00	372.1	300.5	117.34	10.6667	0.138
	13.00	413.6	341.9	117.36	9.9231	0.171
	14.00	455.6	383.9	117.38	9.2857	0.208
	15.00	497.1	425.4	117.40	8.7333	0.247
	16.00	537.7	466.1	117.43	8.2500	0.289
	17.00	577.1	505.4	117.46	7.8235	0.333
	18.00	615.0	543.3	117.48	7.4444	0.378
	19.00	650.9	579.2	117.51	7.1053	0.424
	20.00	684.8	613.1	117.52	6.8000	0.469
	21.00	716.4	644.7	117.55	6.5238	0.513
	22.00	745.5	673.9	117.58	6.2727	0.556
	23.00	772.5	700.8	117.60	6.0435	0.597
	24.00	797.1	725.5	117.62	5.8333	0.635
	25.00	819.5	747.9	117.64	5.6400	0.672
	26.00	840.4	768.8	117.67	5.4615	0.706
	27.00	859.6	787.9	117.68	5.2963	0.739
	28.00	877.0	805.4	117.71	5.1429	0.769
	29.00	893.3	821.7	117.73	5.0000	0.798
	30.00	908.1	836.4	117.75	4.8667	0.825
	31.00	921.9	850.2	117.77	4.7419	0.850
	32.00	934.6	862.9	117.78	4.6250	0.873
	33.00	946.3	874.6	117.81	4.5152	0.895
	34.00	957.3	885.6	117.87	4.4118	0.916
	35.00	967.3	895.7	117.86	4.3143	0.936
	36.00	976.8	905.2	117.88	4.2222	0.954
	37.00	985.9	914.2	117.90	4.1351	0.972
	38.00	994.2	922.5	117.94	4.0526	0.988
	39.00	1002.1	930.4	117.96	3.9744	1.004
	40.00	1009.5	937.8	118.00	3.9000	1.019
	41.00	1016.4	944.7	118.03	3.8293	1.033
	42.00	1022.8	951.2	118.07	3.7619	1.046
	43.00	1028.9	957.3	118.11	3.6977	1.059
	44.00	1034.9	963.2	118.15	3.6364	1.071

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9359 DST#1 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/09/96

TIME: 22:23:40

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	45.00	1040.4	968.8	118.19	3.5778	1.083
	46.00	1045.9	974.2	118.22	3.5217	1.094
	47.00	1050.9	979.3	118.26	3.4681	1.104
	48.00	1055.6	984.0	118.29	3.4167	1.114
	49.00	1060.3	988.7	118.31	3.3673	1.124
	50.00	1064.6	993.0	118.35	3.3200	1.133
	51.00	1068.9	997.2	118.37	3.2745	1.143
	52.00	1072.8	1001.2	118.39	3.2308	1.151
	53.00	1076.7	1005.0	118.41	3.1887	1.159
	54.00	1080.5	1008.8	118.43	3.1481	1.167
	55.00	1084.0	1012.3	118.46	3.1091	1.175
	56.00	1087.6	1015.9	118.48	3.0714	1.183
	57.00	1091.1	1019.4	118.50	3.0351	1.190
	58.00	1094.3	1022.7	118.53	3.0000	1.198
	59.00	1097.6	1025.9	118.54	2.9661	1.205
	60.00	1100.5	1028.9	118.56	2.9333	1.211
	61.00	1103.6	1031.9	118.58	2.9016	1.218
	62.00	1106.4	1034.7	118.60	2.8710	1.224
	63.00	1109.3	1037.6	118.62	2.8413	1.230
	64.00	1111.9	1040.2	118.62	2.8125	1.236
	65.00	1114.5	1042.8	118.65	2.7846	1.242
	66.00	1117.1	1045.4	118.66	2.7576	1.248
	67.00	1119.4	1047.8	118.68	2.7313	1.253
	68.00	1121.9	1050.2	118.69	2.7059	1.259
	69.00	1124.0	1052.4	118.72	2.6812	1.263
	70.00	1126.4	1054.7	118.73	2.6571	1.269
	71.00	1128.5	1056.8	118.74	2.6338	1.273
	72.00	1130.6	1058.9	118.77	2.6111	1.278
	73.00	1132.7	1061.0	118.77	2.5890	1.283
	74.00	1134.7	1063.0	118.80	2.5676	1.288
	75.00	1136.6	1065.0	118.81	2.5467	1.292
	76.00	1138.5	1066.8	118.83	2.5263	1.296
	77.00	1140.3	1068.7	118.85	2.5065	1.300
	78.00	1142.1	1070.4	118.86	2.4872	1.304
	79.00	1143.9	1072.3	118.87	2.4684	1.309
	80.00	1145.6	1073.9	118.89	2.4500	1.312
	81.00	1147.4	1075.7	118.91	2.4321	1.316
	82.00	1149.0	1077.3	118.92	2.4146	1.320
	83.00	1150.6	1079.0	118.94	2.3976	1.324
	84.00	1152.2	1080.6	118.96	2.3810	1.328
	85.00	1153.7	1082.1	118.97	2.3647	1.331
	86.00	1155.3	1083.6	118.99	2.3488	1.335
	87.00	1156.7	1085.0	119.00	2.3333	1.338
	88.00	1158.2	1086.5	119.01	2.3182	1.341
	89.00	1159.5	1087.9	119.03	2.3034	1.345
	90.00	1161.0	1089.3	119.04	2.2889	1.348
***** End Shut-in 2	91.00	1162.3	1090.6	119.06	2.2747	1.351
***** Final Hydro.	359.00	1731.0	0.0	119.29		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: ZOGELMAN #41-18

LOCATION : 18-28S-3W

TICKET No. 9359 D.S.T. No. 1 DATE 7-10-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single Total 126

TOTAL ASSEMBLY 184

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 59 Single 1 Total 3618

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3802

TOTAL DEPTH 3775

TOTAL DRILL PIPE ABOVE K.B. 27

REMARKS:

P.O. SUB	
C.O. SUB @TOP OF TOOL	3591
S.I. TOOL	3597
HMV	3602
JARS NA	
SAFETY JOINT NA	
PACKER	3606
PACKER	3611
DEPTH 3611	4618
STUBB 1 FT.	3612
ANCHOR	
PERFS 6 FT.	3618
ALPINE RECORDER	3622
2 STDS.DRILL PIPE	3744
T.C.	
DEPTH	
26 FT.PERFS TO	3770
AK-1 RECORDER	3772
BULLNOSE 5 FT.PERFORATED	
T.D.	3775

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

API # ~~15-173-208910000~~
N^o 9359

Well Name & No.	<u>ZOGELMAN # 41-18</u>	Test No.	<u>1</u>	Date	<u>7-10-96</u>
Company	<u>MAREXCO Inc.</u>	Zone Tested	<u>M2SS</u>		
Address	<u>P.O. Box 706, Edmond OK. 73083-0706</u>	Elevation	<u>1441</u> KB <u>1,433</u> GL		
Co. Rep / Geo.	<u>ROGER MARTIN</u>	Cont.	<u>DUKE DIZIG #2</u>	Est. Ft. of Pay	<u>10</u> Por. <u>10</u> %
Location: Sec.	<u>18</u>	Twp.	<u>28^S</u>	Rge.	<u>3^W</u> Co. <u>SEDAWICK</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>N</u>

Interval Tested	<u>3611 - 3775'</u>	Initial Str Wt./Lbs.	<u>43,000</u>	Unseated Str Wt./Lbs.	<u>42,000</u>
Anchor Length	<u>164'</u>	Wt. Set Lbs.	<u>29,000</u>	Wt. Pulled Loose/Lbs.	<u>52,000</u>
Top Packer Depth	<u>3606'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Bottom Packer Depth	<u>3611'</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u>NONE</u>		
Total Depth	<u>3775'</u>	Drill Collar — 2.25 Ft. Run	<u>NONE</u>		
Mud Wt. <u>9.3</u> LCM <u>N</u> Vis. <u>44</u> WL <u>9.6cc</u>		Drill Pipe Size	<u>4 1/2" x 14'</u>	Ft. Run	<u>3618'</u>
Blow Description	<u>IF: Water below. 1 - 2 1/4" in H₂O.</u>				

FF: Water below. 1/4 - 2 1/4" in H₂O.

Recovery — Total Feet	<u>105'</u>	Ft. in DC	<u>N</u>	Ft. in WP	<u>N</u>	Ft. in DP	<u>105'</u>
Rec.	<u>105</u> Feet Of	<u>Mud.</u>	%gas	%oil	%water	%mud	
Rec.	Feet Of	<u>Oil spurs @ top of</u>	%gas	%oil	%water	%mud	
Rec.	Feet Of	<u>tool</u>	%gas	%oil	%water	%mud	
Rec.	Feet Of		%gas	%oil	%water	%mud	
Rec.	Feet Of		%gas	%oil	%water	%mud	

BHT 119 °F Gravity N.A. °API D₄₀ N °F Corrected Gravity N.A. °API

RW 0.74 @ 76 °F Chlorides 8,500 ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud	<u>1854</u>	<u>AK-1</u>	<u>1829</u>	PSI	Recorder No.	<u>10248</u>	T-Started	<u>2223</u>	<u>7-9-96</u>
(B) First Initial Flow Pressure	<u>116</u>		<u>28</u>	PSI	@ (depth)	<u>3772'</u>	T-Open	<u>0002</u>	<u>7-10-96</u>
(C) First Final Flow Pressure	<u>141</u>		<u>39</u>	PSI	<u>alpine</u>	Recorder No.	<u>2351</u>	T-Pulled	<u>0418</u>
(D) Initial Shut-in Pressure	<u>1283</u>		<u>1217</u>	PSI	@ (depth)	<u>3622'</u>	T-Out	<u>0620</u>	
(E) Second Initial Flow Pressure	<u>141</u>		<u>42</u>	PSI	Recorder No.	<u>N</u>			
(F) Second Final Flow Pressure	<u>157</u>		<u>85</u>	PSI	@ (depth)	<u>N</u>			
(G) Final Shut-in Pressure	<u>1217</u>		<u>1162</u>	PSI	Initial Opening	<u>30</u>	Test	<u>✓</u>	<u>100</u>
(H) Final Hydrostatic Mud	<u>1799</u>		<u>1731</u>	PSI	Initial Shut-in	<u>45</u>	Jars		

Final Flow	<u>90</u>	Safety Joint	
Final Shut-in	<u>90</u>	Straddle	
	<u>4</u>	Circ. Sub	
		Sampler	

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 Roger A. Martin
Our Representative Cary P. [Signature]

Extra Packer _____
Elect. Rec. ✓ 2008 150
Other _____
TOTAL PRICE \$ ✓ 750

TRILOBITE TESTING L.L.C.

OPERATOR : MAREXCO INC.

DATE 7-11-96

WELL NAME: ZOGELMAN #41-18

KB 1441.00 ft

TICKET NO: 9360 DST #2

LOCATION : 18-28S-3W SEDGWICK CTY KS

GR 1433.00 ft

FORMATION: SIMOSON SD.

INTERVAL : 4151.00 To 4280.00 ft

TD 4280.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2351			PF Fr. 1431 to 1501 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1501 to 1601 hr
SF 60 Clock(hrs)	12 HR	12 HR	ALPIN			SF Fr. 1601 to 1701 hr
FS 120 Depth(ft)	4277.0	4277.0	4162.0	0.0	0.0	FS Fr. 1701 to 1901 hr

	Field	1	2	3	4	
A. Init Hydro	2162.0	2142.0	2048.0	0.0	0.0	T STARTED 1308 hr
B. First Flow	114.0	123.0	87.0	0.0	0.0	T ON BOTM 1428 hr
Bl. Final Flow	306.0	310.0	264.0	0.0	0.0	T OPEN 1431 hr
C. In Shut-in	1648.0	1646.0	1602.0	0.0	0.0	T PULLED 1903 hr
D. Init Flow	317.0	335.0	266.0	0.0	0.0	T OUT 2148 hr
E. Final Flow	665.0	663.0	620.0	0.0	0.0	
F. Fl Shut-in	1651.0	1637.0	1602.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2052.0	2047.0	1996.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 56000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 51000.00 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 0.00 ft
						D.P. Length 4146.00 ft

RECOVERY

Tot Fluid 1380.00 ft of 0.00 ft in DC and 1380.00 ft in DP

78.00 ft of Water cut mud - 12% Water, 88% Mud

372.00 ft of Water cut mud - 27% Water, 73% Mud

186.00 ft of Water cut mud - 50% Water, 50% Mud

310.00 ft of Mud cut water - 72% Water, 28% Mud

434.00 ft of Slightly gas cut water - 100% Water

29.00 ft of Pay (est)

RW .08 ohms @ 74 F

SALINITY 76000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Strong blow, bottom of bucket in 8 min

Final Flow -
Strong blow, bottom of bucket in
8.5 min

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.40 lb/cf
Vis.	49.00 S/L
W.L.	11.20 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	137.00 F
Hole Condition	GOOD
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased N	
Tester	GARY PEVOTEAUX
Co. Rep.	ROGER MARTIN
Contr.	DUKE DRLG.
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

9360 DST#2 ZOGELMAN#41-18 MAREXCO INC. TEST HISTORY

Flag Points

t(Min.) P(PSig)

A: 0.00 2047.58
 B: 0.00 87.02
 C: 25.00 264.45
 D: 60.00 1602.01
 E: 0.00 266.04
 F: 59.00 619.97
 G: 122.00 1601.67
 Q: 0.00 1995.63

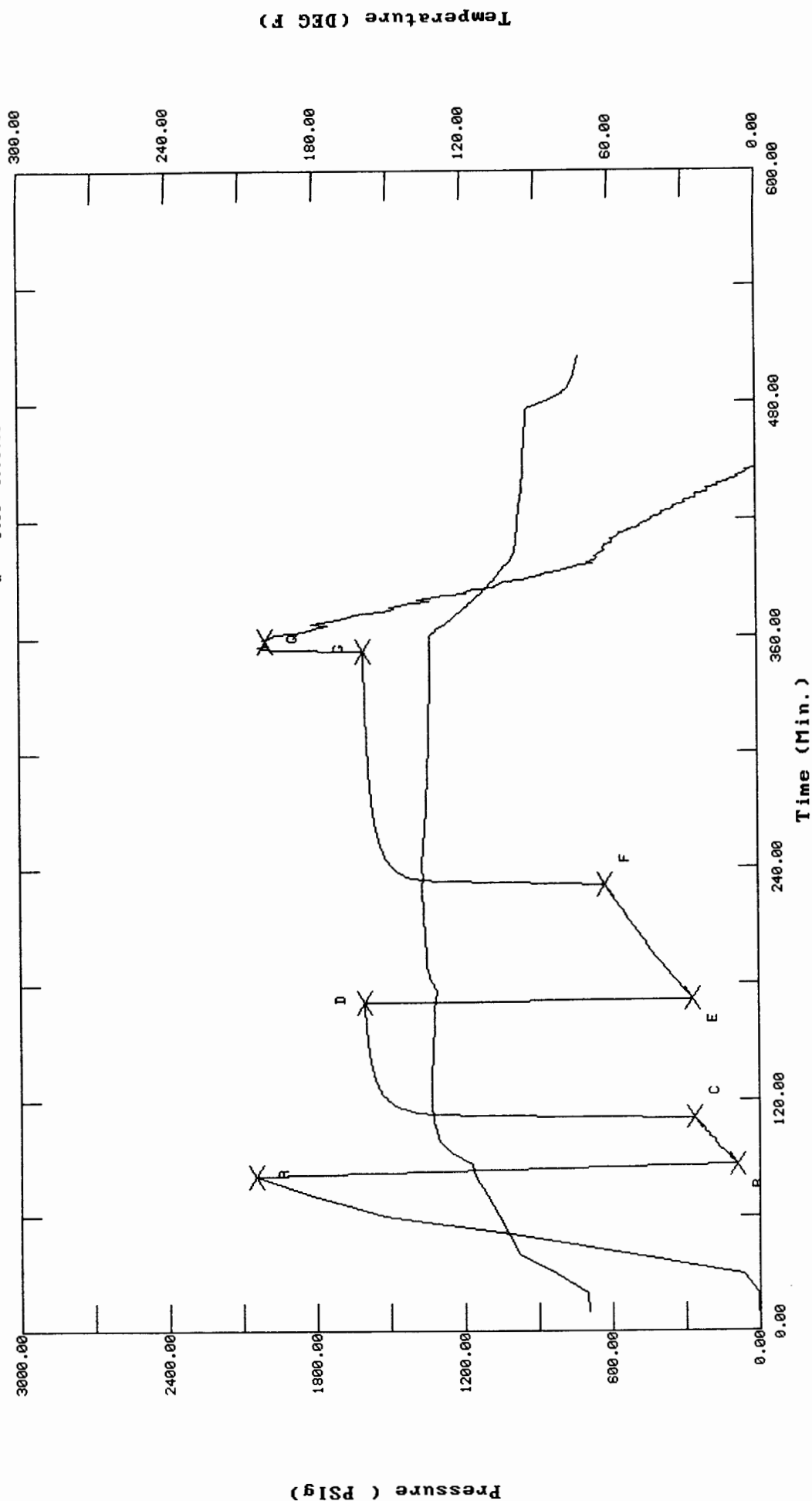
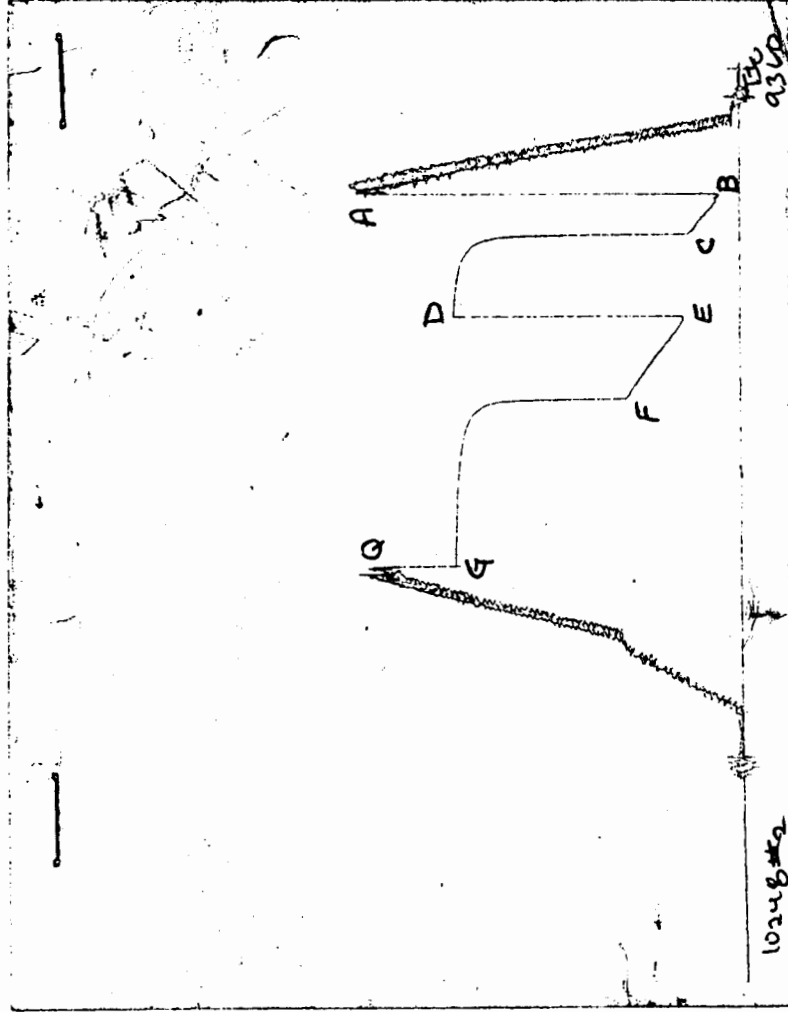


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.
 DATE: 07/11/96 TIME: 13:08:32

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	80.00	2047.6	0.0	115.74		
***** Start Flow 1	0.00	87.0	0.0	117.01		
	1.00	91.6	4.6	117.88		
	2.00	102.1	15.1	119.21		
	3.00	112.7	25.7	120.61		
	4.00	116.9	29.9	122.01		
	5.00	123.9	36.8	123.42		
	6.00	131.4	44.4	124.70		
	7.00	142.8	55.7	125.81		
	8.00	153.8	66.8	126.72		
	9.00	158.8	71.8	127.41		
	10.00	168.4	81.3	128.04		
	11.00	172.2	85.2	128.72		
	12.00	178.6	91.6	129.41		
	13.00	176.9	89.9	130.02		
	14.00	186.2	99.2	130.43		
	15.00	199.4	112.4	130.75		
	16.00	204.9	117.8	131.01		
	17.00	212.2	125.1	131.23		
	18.00	217.6	130.6	131.40		
	19.00	221.1	134.0	131.61		
	20.00	228.8	141.8	131.85		
	21.00	236.8	149.8	132.09		
	22.00	240.8	153.8	132.23		
	23.00	249.8	162.7	132.33		
	24.00	255.9	168.9	132.40		
***** End Flow 1	25.00	264.4	177.4	132.46		
***** Start Shutin 1	0.00	264.4	0.0	132.46	0.0000	0.070
	1.00	1126.9	862.4	132.52	26.0000	1.270
	2.00	1321.4	1057.0	132.63	13.5000	1.746
	3.00	1389.3	1124.9	132.79	9.3333	1.930
	4.00	1427.5	1163.1	132.98	7.2500	2.038
	5.00	1452.8	1188.3	133.13	6.0000	2.111
	6.00	1470.7	1206.3	133.25	5.1667	2.163
	7.00	1485.1	1220.6	133.33	4.5714	2.206
	8.00	1496.6	1232.1	133.38	4.1250	2.240
	9.00	1506.2	1241.7	133.40	3.7778	2.269
	10.00	1514.2	1249.8	133.41	3.5000	2.293
	11.00	1521.2	1256.7	133.43	3.2727	2.314
	12.00	1527.4	1262.9	133.43	3.0833	2.333
	13.00	1532.8	1268.3	133.40	2.9231	2.349
	14.00	1537.6	1273.2	133.38	2.7857	2.364
	15.00	1542.0	1277.5	133.35	2.6667	2.378
	16.00	1546.0	1281.6	133.32	2.5625	2.390
	17.00	1549.6	1285.2	133.29	2.4706	2.401
	18.00	1553.1	1288.6	133.25	2.3889	2.412
	19.00	1556.1	1291.6	133.20	2.3158	2.421
	20.00	1558.9	1294.4	133.17	2.2500	2.430
	21.00	1561.6	1297.1	133.13	2.1905	2.438
	22.00	1563.9	1299.5	133.09	2.1364	2.446
	23.00	1566.2	1301.7	133.04	2.0870	2.453

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.
 DATE: 07/11/96 TIME: 13:08:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	1568.4	1303.9	132.99	2.0417	2.460
	25.00	1570.3	1305.8	132.95	2.0000	2.466
	26.00	1572.1	1307.7	132.90	1.9615	2.472
	27.00	1573.9	1309.4	132.84	1.9259	2.477
	28.00	1575.6	1311.1	132.79	1.8929	2.482
	29.00	1577.1	1312.6	132.74	1.8621	2.487
	30.00	1578.6	1314.1	132.68	1.8333	2.492
	31.00	1580.0	1315.6	132.64	1.8065	2.496
	32.00	1581.3	1316.8	132.60	1.7812	2.500
	33.00	1582.5	1318.0	132.54	1.7576	2.504
	34.00	1583.7	1319.3	132.52	1.7353	2.508
	35.00	1584.8	1320.4	132.48	1.7143	2.512
	36.00	1585.9	1321.4	132.44	1.6944	2.515
	37.00	1587.0	1322.5	132.40	1.6757	2.519
	38.00	1588.0	1323.5	132.36	1.6579	2.522
	39.00	1588.9	1324.5	132.32	1.6410	2.525
	40.00	1589.8	1325.3	132.29	1.6250	2.527
	41.00	1590.7	1326.2	132.25	1.6098	2.530
	42.00	1591.5	1327.1	132.21	1.5952	2.533
	43.00	1592.3	1327.8	132.17	1.5814	2.535
	44.00	1593.0	1328.6	132.14	1.5682	2.538
	45.00	1593.8	1329.3	132.11	1.5556	2.540
	46.00	1594.5	1330.1	132.06	1.5435	2.543
	47.00	1595.2	1330.8	132.04	1.5319	2.545
	48.00	1595.8	1331.3	132.00	1.5208	2.547
	49.00	1596.5	1332.0	131.95	1.5102	2.549
	50.00	1597.1	1332.6	131.92	1.5000	2.551
	51.00	1597.6	1333.2	131.89	1.4902	2.552
	52.00	1598.2	1333.8	131.86	1.4808	2.554
	53.00	1598.7	1334.3	131.82	1.4717	2.556
	54.00	1599.2	1334.8	131.80	1.4630	2.558
	55.00	1599.7	1335.3	131.75	1.4545	2.559
	56.00	1600.3	1335.9	131.73	1.4464	2.561
	57.00	1600.7	1336.3	131.69	1.4386	2.562
	58.00	1601.3	1336.8	131.66	1.4310	2.564
	59.00	1601.7	1337.2	131.64	1.4237	2.565
***** End Shut-in 1	60.00	1602.0	1337.6	131.62	1.4167	2.566
***** Start Flow 2	0.00	266.0	0.0	131.53		
	1.00	273.8	7.7	131.37		
	2.00	281.7	15.7	131.15		
	3.00	289.0	22.9	130.98		
	4.00	296.3	30.2	130.89		
	5.00	303.1	37.0	131.01		
	6.00	309.9	43.8	131.30		
	7.00	316.7	50.6	131.67		
	8.00	323.5	57.5	132.11		
	9.00	330.5	64.5	132.61		
	10.00	337.6	71.6	133.10		
	11.00	344.8	78.7	133.49		
	12.00	351.6	85.6	133.74		
	13.00	358.1	92.1	133.92		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/11/96

TIME: 13:08:32

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
14.00	364.7	98.6	134.09		
15.00	371.0	105.0	134.27		
16.00	377.5	111.5	134.48		
17.00	383.8	117.8	134.69		
18.00	390.3	124.3	134.87		
19.00	396.9	130.8	134.96		
20.00	403.3	137.2	134.97		
21.00	409.5	143.4	134.93		
22.00	415.6	149.6	134.88		
23.00	421.6	155.5	134.86		
24.00	427.4	161.4	134.90		
25.00	433.4	167.4	134.95		
26.00	439.4	173.3	135.04		
27.00	445.2	179.2	135.16		
28.00	451.3	185.2	135.27		
29.00	457.0	190.9	135.37		
30.00	463.0	197.0	135.44		
31.00	468.7	202.7	135.49		
32.00	474.6	208.6	135.53		
33.00	480.3	214.3	135.55		
34.00	485.9	219.9	135.58		
35.00	491.8	225.8	135.61		
36.00	497.2	231.1	135.67		
37.00	502.9	236.8	135.73		
38.00	508.0	242.0	135.84		
39.00	513.4	247.3	135.95		
40.00	519.3	253.2	136.06		
41.00	524.9	258.8	136.15		
42.00	530.5	264.5	136.21		
43.00	536.0	270.0	136.24		
44.00	541.2	275.1	136.25		
45.00	546.6	280.6	136.24		
46.00	552.0	285.9	136.22		
47.00	557.5	291.5	136.21		
48.00	562.8	296.8	136.19		
49.00	568.0	302.0	136.23		
50.00	573.5	307.4	136.31		
51.00	578.6	312.5	136.43		
52.00	583.9	317.8	136.53		
53.00	589.2	323.2	136.64		
54.00	594.3	328.2	136.70		
55.00	599.5	333.4	136.72		
56.00	604.5	338.5	136.72		
57.00	609.5	343.4	136.69		
58.00	614.8	348.8	136.63		
***** End Flow 2	59.00	620.0	353.9	136.55	
***** Start Shutin 2	0.00	620.0	0.0	136.55	0.0000 0.384
	1.00	808.6	188.7	136.47	85.0000 0.654
	2.00	1291.9	671.9	136.40	43.0000 1.669
	3.00	1368.5	748.6	136.37	29.0000 1.873
	4.00	1406.5	786.5	136.24	22.0000 1.978

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.
 DATE: 07/11/96 TIME: 13:08:32

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.00	1431.1	811.2	136.36	17.8000	2.048
6.00	1448.1	828.1	136.41	15.0000	2.097
7.00	1461.0	841.0	136.45	13.0000	2.135
8.00	1471.6	851.6	136.50	11.5000	2.166
9.00	1480.4	860.4	136.53	10.3333	2.192
10.00	1488.0	868.1	136.55	9.4000	2.214
11.00	1494.7	874.7	136.56	8.6364	2.234
12.00	1500.6	880.7	136.55	8.0000	2.252
13.00	1506.1	886.1	136.53	7.4615	2.268
14.00	1510.8	890.8	136.50	7.0000	2.282
15.00	1515.1	895.2	136.45	6.6000	2.296
16.00	1519.2	899.2	136.42	6.2500	2.308
17.00	1522.9	902.9	136.37	5.9412	2.319
18.00	1526.0	906.0	136.32	5.6667	2.329
19.00	1529.3	909.4	136.27	5.4211	2.339
20.00	1532.3	912.4	136.20	5.2000	2.348
21.00	1535.1	915.1	136.13	5.0000	2.357
22.00	1537.6	917.7	136.06	4.8182	2.364
23.00	1540.1	920.1	136.00	4.6522	2.372
24.00	1542.3	922.4	135.94	4.5000	2.379
25.00	1544.5	924.5	135.87	4.3600	2.386
26.00	1546.6	926.6	135.81	4.2308	2.392
27.00	1548.5	928.5	135.75	4.1111	2.398
28.00	1550.3	930.3	135.69	4.0000	2.403
29.00	1552.2	932.2	135.64	3.8966	2.409
30.00	1553.8	933.9	135.58	3.8000	2.414
31.00	1555.4	935.5	135.50	3.7097	2.419
32.00	1556.9	936.9	135.45	3.6250	2.424
33.00	1558.3	938.3	135.39	3.5455	2.428
34.00	1559.7	939.7	135.34	3.4706	2.433
35.00	1561.0	941.1	135.28	3.4000	2.437
36.00	1562.4	942.4	135.23	3.3333	2.441
37.00	1563.7	943.7	135.19	3.2703	2.445
38.00	1564.7	944.8	135.14	3.2105	2.448
39.00	1565.7	945.8	135.10	3.1538	2.452
40.00	1566.9	947.0	135.06	3.1000	2.455
41.00	1568.0	948.0	135.02	3.0488	2.459
42.00	1569.0	949.1	134.98	3.0000	2.462
43.00	1570.0	950.1	134.93	2.9535	2.465
44.00	1571.0	951.0	134.90	2.9091	2.468
45.00	1571.8	951.8	134.87	2.8667	2.471
46.00	1572.8	952.8	134.80	2.8261	2.474
47.00	1573.6	953.6	134.76	2.7872	2.476
48.00	1574.5	954.5	134.73	2.7500	2.479
49.00	1575.2	955.3	134.68	2.7143	2.481
50.00	1576.0	956.0	134.65	2.6800	2.484
51.00	1576.7	956.8	134.59	2.6471	2.486
52.00	1577.4	957.4	134.56	2.6154	2.488
53.00	1578.2	958.2	134.51	2.5849	2.491
54.00	1578.9	959.0	134.47	2.5556	2.493
55.00	1579.5	959.5	134.43	2.5273	2.495

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.
 DATE: 07/11/96 TIME: 13:08:32

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
56.00	1580.2	960.2	134.40	2.5000	2.497
57.00	1580.8	960.8	134.35	2.4737	2.499
58.00	1581.4	961.4	134.32	2.4483	2.501
59.00	1581.9	962.0	134.29	2.4237	2.503
60.00	1582.5	962.6	134.26	2.4000	2.504
61.00	1583.1	963.2	134.21	2.3770	2.506
62.00	1583.7	963.7	134.19	2.3548	2.508
63.00	1584.3	964.3	134.15	2.3333	2.510
64.00	1584.7	964.8	134.12	2.3125	2.511
65.00	1585.3	965.3	134.10	2.2923	2.513
66.00	1585.7	965.8	134.06	2.2727	2.515
67.00	1586.1	966.2	134.04	2.2537	2.516
68.00	1586.6	966.6	134.01	2.2353	2.517
69.00	1587.2	967.2	134.00	2.2174	2.519
70.00	1587.6	967.6	133.95	2.2000	2.520
71.00	1588.0	968.0	133.91	2.1831	2.522
72.00	1588.3	968.4	133.90	2.1667	2.523
73.00	1588.8	968.9	133.87	2.1507	2.524
74.00	1589.2	969.3	133.85	2.1351	2.526
75.00	1589.7	969.7	133.83	2.1200	2.527
76.00	1590.0	970.0	133.80	2.1053	2.528
77.00	1590.3	970.4	133.78	2.0909	2.529
78.00	1590.8	970.9	133.75	2.0769	2.531
79.00	1591.2	971.2	133.73	2.0633	2.532
80.00	1591.5	971.5	133.72	2.0500	2.533
81.00	1591.8	971.8	133.68	2.0370	2.534
82.00	1592.2	972.2	133.67	2.0244	2.535
83.00	1592.6	972.6	133.65	2.0120	2.536
84.00	1592.9	972.9	133.64	2.0000	2.537
85.00	1593.1	973.1	133.62	1.9882	2.538
86.00	1593.5	973.6	133.60	1.9767	2.539
87.00	1593.8	973.8	133.58	1.9655	2.540
88.00	1594.1	974.2	133.56	1.9545	2.541
89.00	1594.4	974.4	133.54	1.9438	2.542
90.00	1594.7	974.7	133.52	1.9333	2.543
91.00	1594.9	974.9	133.50	1.9231	2.544
92.00	1595.2	975.2	133.47	1.9130	2.545
93.00	1595.5	975.6	133.46	1.9032	2.546
94.00	1595.7	975.7	133.44	1.8936	2.546
95.00	1596.0	976.0	133.42	1.8842	2.547
96.00	1596.2	976.2	133.40	1.8750	2.548
97.00	1596.6	976.6	133.39	1.8660	2.549
98.00	1596.8	976.8	133.37	1.8571	2.550
99.00	1597.0	977.0	133.36	1.8485	2.550
100.00	1597.2	977.3	133.33	1.8400	2.551
101.00	1597.5	977.5	133.32	1.8317	2.552
102.00	1597.6	977.7	133.31	1.8235	2.552
103.00	1597.9	977.9	133.29	1.8155	2.553
104.00	1598.1	978.2	133.27	1.8077	2.554
105.00	1598.3	978.3	133.25	1.8000	2.555
106.00	1598.6	978.6	133.22	1.7925	2.555

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9360 DST#2 ZOGELMAN#41-18 MAREXCO INC.

DATE: 07/11/96 TIME: 13:08:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	107.00	1598.8	978.9	133.22	1.7850	2.556
	108.00	1599.0	979.0	133.19	1.7778	2.557
	109.00	1599.2	979.3	133.19	1.7706	2.558
	110.00	1599.5	979.5	133.17	1.7636	2.558
	111.00	1599.7	979.7	133.16	1.7568	2.559
	112.00	1599.9	979.9	133.14	1.7500	2.560
	113.00	1600.0	980.0	133.12	1.7434	2.560
	114.00	1600.2	980.3	133.11	1.7368	2.561
	115.00	1600.4	980.4	133.10	1.7304	2.561
	116.00	1600.7	980.7	133.09	1.7241	2.562
	117.00	1600.7	980.8	133.08	1.7179	2.562
	118.00	1601.1	981.1	133.07	1.7119	2.563
	119.00	1601.2	981.2	133.06	1.7059	2.564
	120.00	1601.3	981.4	133.05	1.7000	2.564
	121.00	1601.5	981.5	133.03	1.6942	2.565
***** End Shut-in 2	122.00	1601.7	981.7	133.02	1.6885	2.565
***** Final Hydro.	358.00	1995.6	0.0	133.11		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: ZOGELMAN #41-18

LOCATION : 18-28S-3W

TICKET No. 9360 D.S.T. No. 2 DATE 7-11-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 36

TOTAL TOOL 56

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STAND.Stands Single Total

D.P. ANCHOR STAND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY 149

D.C. ABOVE TOOLS.Stands 0 Single 0 Total

D.P. ABOVE TOOLS.Stands 68 Single 0 Total 4146

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4295

TOTAL DEPTH 4280

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

P.O. SUB	
C.O. SUB @TOP OF TOOL	4131
S.I. TOOL	4137
HMV	4142
JARS NA	
SAFETY JOINT NA	
PACKER	4146
PACKER	4151
DEPTH 4151	4618
STUBB 1 FT.	4152
ANCHOR	
PERFS 6 FT.TO	4158
ALPINE REC.@	4162
3 JTS.DRILL PIPE TO	4251
T.C. DEPTH	
24 FT.PERFS TO	4275
AK-1 REC.@	4277
BULLNOSE 5 FT.PERFORATED T.D.	4280

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9360

Well Name & No.	<u>ZOGELMAN #41-18</u>	Test No.	<u>2</u>	Date	<u>7-11-96</u>
Company	<u>MARESCO Inc.</u>	Zone Tested	<u>SIMPSON SD.</u>		
Address	<u>P.O. Box 106 Edmond Ok. 73083-0706</u>	Elevation	<u>1441</u> KB <u>1433</u> GL		
Co. Rep / Geo.	<u>ROBERT MARTIN</u>	Cont.	<u>DUKE DRUG #2</u>	Est. Ft. of Pay	<u>29</u> Por. <u>12</u> %
Location: Sec.	<u>18</u>	Twp.	<u>28S</u>	Rge.	<u>3W</u>
				Co.	<u>SEBOWICK</u> State <u>KS.</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>—</u>
				Evaluation (Y, N)	<u>—</u>

Interval Tested	<u>4151 - 4280'</u>	Initial Str Wt./Lbs.	<u>46,000</u>	Unseated Str Wt./Lbs.	<u>51,000</u>
Anchor Length	<u>129'</u>	Wt. Set Lbs.	<u>29,000</u>	Wt. Pulled Loose/Lbs.	<u>56,000</u>
Top Packer Depth	<u>4146'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Bottom Packer Depth	<u>4151'</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u>NONE</u>		
Total Depth	<u>4280'</u>	Drill Collar — 2.25 Ft. Run	<u>NONE</u>		
Mud Wt. <u>9.4</u> LCM <u>1-2#</u> Vis. <u>49</u> WL <u>11.2cc.</u>		Drill Pipe Size <u>4 1/2" x H.</u>	Ft. Run <u>4146</u>		
Blow Description	<u>IF: Strong below. Btm. of duct in 8 mins.</u>				
	<u>FF: Strong below. Btm. of duct in 8 1/2 mins.</u>				

Recovery — Total Feet	<u>1380</u>	Fluid Ft. in DC	<u>—</u>	Ft. in WP	<u>—</u>	Ft. in DP	<u>—</u>
Rec.	<u>78</u>	Feet Of <u>SLW.C.M.</u>		%gas		%oil	<u>12</u> %water <u>88</u> %mud
Rec.	<u>372</u>	Feet Of <u>W.C.M.</u>		%gas		%oil	<u>27</u> %water <u>73</u> %mud
Rec.	<u>186</u>	Feet Of <u>HW.C.M.</u>		%gas		%oil	<u>50</u> %water <u>50</u> %mud
Rec.	<u>310</u>	Feet Of <u>M.C.W.</u>		%gas		%oil	<u>72</u> %water <u>28</u> %mud
Rec.	<u>434</u>	Feet Of <u>S.G.C.W.</u>		%gas		%oil	<u>100</u> %water %mud
BHT	<u>137</u>	°F Gravity	<u>N.A.</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>N.A.</u> °API
RW	<u>0.88</u>	@	<u>74</u>	°F Chlorides	<u>76,000</u>	ppm Recovery	Chlorides <u>4,000</u> ppm System
(A) Initial Hydrostatic Mud	<u>2112</u>	<u>2048</u>	PSI	Recorder No.	<u>10248</u>	T-Started	<u>1308</u>
(B) First Initial Flow Pressure	<u>114</u>	<u>87</u>	PSI	@ (depth)	<u>4277'</u>	T-Open	<u>1431</u>
(C) First Final Flow Pressure	<u>306</u>	<u>264</u>	PSI	Recorder No.	<u>2351</u>	T-Pulled	<u>1903</u>
(D) Initial Shut-in Pressure	<u>1648</u>	<u>1602</u>	PSI	@ (depth)	<u>4162'</u>	T-Out	<u>2148</u>
(E) Second Initial Flow Pressure	<u>317</u>	<u>266</u>	PSI	Recorder No.	<u>—</u>		
(F) Second Final Flow Pressure	<u>665</u>	<u>620</u>	PSI	@ (depth)	<u>—</u>		
(G) Final Shut-in Pressure	<u>1651</u>	<u>1602</u>	PSI	Initial Opening	<u>30</u>	Test	<u>✓</u> <u>600</u>
(H) Final Hydrostatic Mud	<u>2052</u>	<u>1996</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>1114</u>

Final Flow	<u>60</u>	Safety Joint	<u>—</u>
Final Shut-in	<u>120</u>	Straddle	<u>—</u>
	<u>4</u>	Circ. Sub	<u>—</u>
		Sampler	<u>—</u>

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

Robert A. Martin

Our Representative

Gary F. Watson

Extra Packer

Elect. Rec. ✓ 150

Other

TOTAL PRICE \$✓ 750.00

DST #

10248

2 1 0

DST #

10248

10
11
12