

Well Name: BETSCHART #1-27
Company : MIDCO EXPLORATION INC
Location - Sec: 27 **Twp:** 33S **Rge:** 24W
County: CLARK **State:** KS
Date: 11/4/95

TRILOBITE TESTING L.L.C.

OPERATOR : Midco Exploration Inc
 WELL NAME: Betschart #1-27
 LOCATION : 27-33S-24W, Clark Cty KS
 INTERVAL : 5397.00 To 5440.00 ft

DATE 11/4/95

KB 1999.00 ft TICKET NO: 8607 DST #1
 GR 0.00 ft FORMATION: Chester "A"
 TD 5440.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11038	11038	2341			PF Fr. 0805 to 0835 hr
SI 60	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0	IS Fr. 0835 to 0935 hr
SF 60	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0935 to 1035 hr
FS 180	Depth(ft)	5437.0	5437.0	5406.0	0.0	0.0	FS Fr. 1035 to 1335 hr

	Field	1	2	3	4	
A. Init Hydro	2786.0	2787.0	2702.0	0.0	0.0	T STARTED 0600 hr
B. First Flow	82.0	77.0	15.0	0.0	0.0	T ON BOTM 0803 hr
B1. Final Flow	82.0	80.0	21.0	0.0	0.0	T OPEN 0805 hr
C. In Shut-in	179.0	161.0	119.0	0.0	0.0	T PULLED 1335 hr
D. Init Flow	82.0	77.0	17.0	0.0	0.0	T OUT 1630 hr
E. Final Flow	82.0	82.0	33.0	0.0	0.0	
F. Fl Shut-in	791.0	807.0	794.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2696.0	2697.0	2649.0	0.0	0.0	Tool Wt. 18000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 82000.00 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 307.00 ft
						D.P. Length 5074.00 ft

RECOVERY

Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP
 865.00 ft of Gas in pipe
 90.00 ft of Drilling mud

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

BLOW DESCRIPTION

Initial Blow -
 Fair blow, built to 11"

Initial Shutin -
 No blow back

Final Blow -
 Fair blow, off bottom 45 min.

Final Shutin -
 No blow back

SAMPLES: No
 SENT TO:

MUD DATA-----

Mud Type Chemical
 Weight 9.30 lb/cf
 Vis. 53.00 S/L
 W.L. 10.40 in³
 F.C. 0.00 in
 Mud Drop Y 50.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 125.00 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 Tom Horacek
 Co. Rep. Tom Williams
 Contr. Blue Goose Drlg
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

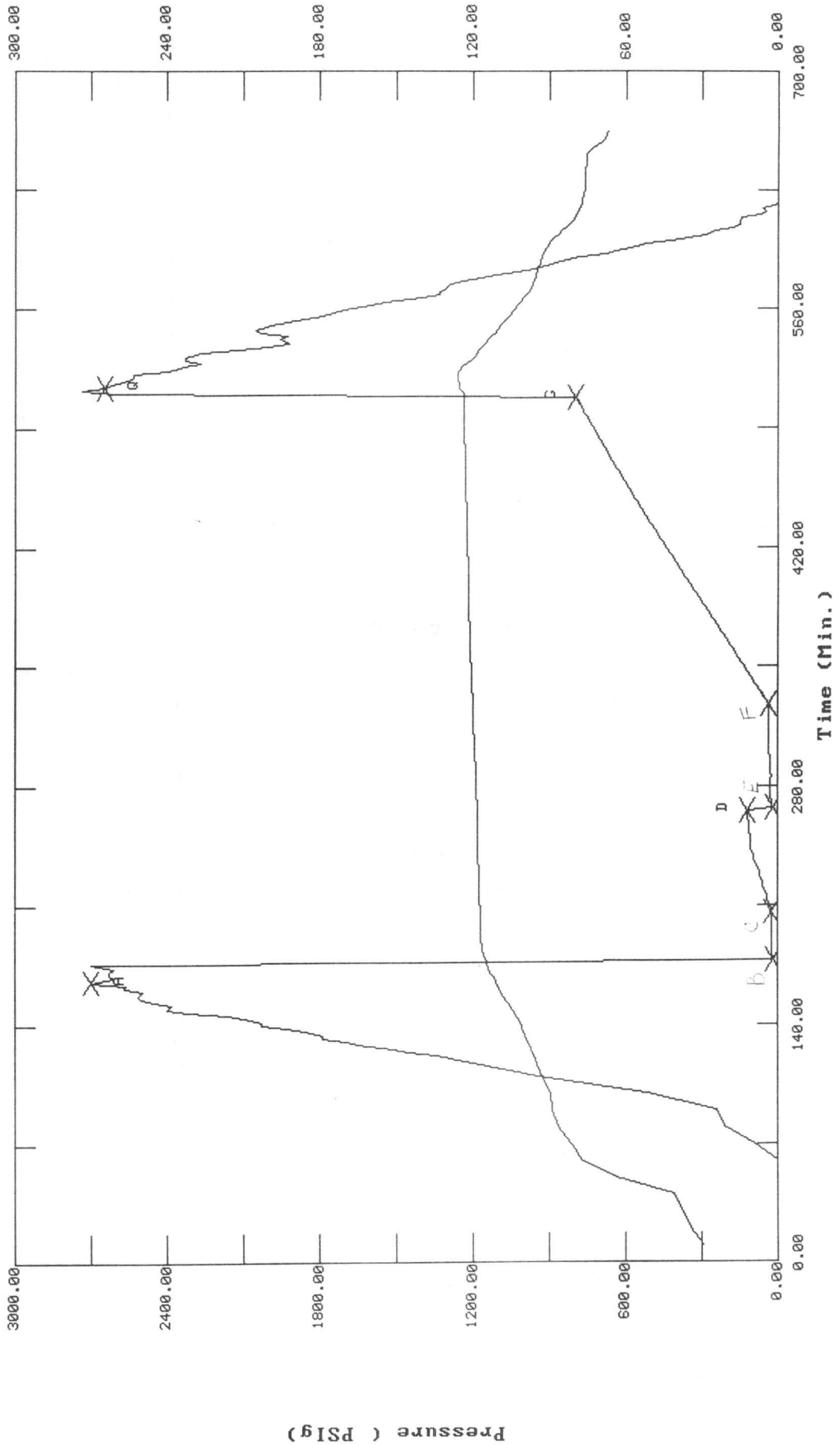
TEST HISTORY

8607 DST #1 Betschart #1-27 Midco Exploration

Flag Points

t(Min.) P(PSig)

A:	0.00	2702.89
B:	0.00	15.85
C:	28.00	21.48
D:	60.00	119.42
E:	0.00	17.45
F:	60.00	32.98
G:	180.00	794.45
Q:	0.00	2649.43



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8607 DST #1 Betschart #1-27 Midco Exploration

DATE: 11/04/95 TIME: 06:06:00

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	166.00	2702.9	0.0	111.02		
***** Start Flow 1	0.00	15.9	0.0	114.80		
	2.00	16.7	0.8	115.34		
	4.00	19.0	3.2	115.88		
	6.00	19.0	3.1	116.24		
	8.00	20.4	4.5	116.42		
	10.00	21.3	5.5	116.60		
	12.00	20.8	5.0	116.78		
	14.00	22.1	6.3	116.78		
	16.00	20.1	4.3	116.96		
	18.00	22.4	6.5	116.96		
	20.00	20.9	5.0	116.96		
	22.00	21.9	6.0	116.96		
	24.00	21.7	5.9	117.14		
	26.00	22.1	6.3	117.14		
***** End Flow 1	28.00	21.5	5.6	117.14		
***** Start Shutin 1	0.00	21.5	0.0	117.14	0.0000	0.000
	2.00	24.3	2.9	117.14	15.0000	0.001
	4.00	28.8	7.3	117.14	8.0000	0.001
	6.00	33.7	12.3	117.32	5.6667	0.001
	8.00	37.9	16.4	117.32	4.5000	0.001
	10.00	42.4	20.9	117.32	3.8000	0.002
	12.00	46.7	25.2	117.32	3.3333	0.002
	14.00	50.9	29.5	117.50	3.0000	0.003
	16.00	55.0	33.5	117.50	2.7500	0.003
	18.00	59.1	37.6	117.50	2.5556	0.003
	20.00	63.7	42.2	117.50	2.4000	0.004
	22.00	67.9	46.4	117.68	2.2727	0.005
	24.00	72.5	51.0	117.68	2.1667	0.005
	26.00	77.0	55.6	117.68	2.0769	0.006
	28.00	81.7	60.2	117.68	2.0000	0.007
	30.00	86.4	64.9	117.86	1.9333	0.007
	32.00	91.0	69.5	117.86	1.8750	0.008
	34.00	95.9	74.4	117.86	1.8235	0.009
	36.00	101.0	79.5	117.86	1.7778	0.010
	38.00	103.8	82.3	117.86	1.7368	0.011
	40.00	105.1	83.6	118.04	1.7000	0.011
	42.00	106.0	84.5	118.04	1.6667	0.011
	44.00	106.9	85.4	118.04	1.6364	0.011
	46.00	108.1	86.6	118.04	1.6087	0.012
	48.00	109.2	87.7	118.22	1.5833	0.012
	50.00	110.6	89.1	118.22	1.5600	0.012
	52.00	112.0	90.5	118.22	1.5385	0.013
	54.00	113.4	91.9	118.22	1.5185	0.013
	56.00	115.2	93.7	118.22	1.5000	0.013
	58.00	117.4	95.9	118.40	1.4828	0.014
***** End Shut-in 1	60.00	119.4	97.9	118.40	1.4667	0.014
***** Start Flow 2	0.00	17.4	0.0	118.40		
	2.00	21.1	3.6	118.40		
	4.00	21.6	4.1	118.40		
	6.00	25.4	8.0	118.58		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 11/04/95

TIME: 06:06:00

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	8.00	25.2	7.7	118.58		
	10.00	26.5	9.1	118.58		
	12.00	25.5	8.1	118.58		
	14.00	26.2	8.7	118.76		
	16.00	26.3	8.8	118.76		
	18.00	24.0	6.5	118.76		
	20.00	26.1	8.6	118.76		
	22.00	27.9	10.4	118.94		
	24.00	28.5	11.1	118.94		
	26.00	30.2	12.8	118.94		
	28.00	29.4	11.9	119.12		
	30.00	28.4	11.0	119.12		
	32.00	31.9	14.4	119.12		
	34.00	32.1	14.7	119.30		
	36.00	32.6	15.2	119.30		
	38.00	33.5	16.0	119.48		
	40.00	33.1	15.7	119.48		
	42.00	34.2	16.7	119.48		
	44.00	34.1	16.6	119.66		
	46.00	33.7	16.3	119.66		
	48.00	33.0	15.5	119.66		
	50.00	32.1	14.6	119.84		
	52.00	34.6	17.1	119.84		
	54.00	31.1	13.7	119.84		
	56.00	31.5	14.0	120.02		
	58.00	33.0	15.5	120.02		
*****	End Flow 2	60.00	33.0	15.5	120.02	
*****	Start Shutin 2	0.00	33.0	0.0	120.02	0.001
		2.00	41.7	8.7	120.20	45.0000 0.002
		4.00	51.3	18.3	120.20	23.0000 0.003
		6.00	60.5	27.5	120.20	15.6667 0.004
		8.00	69.4	36.4	120.38	12.0000 0.005
		10.00	78.5	45.5	120.38	9.8000 0.006
		12.00	86.9	54.0	120.38	8.3333 0.008
		14.00	95.8	62.9	120.56	7.2857 0.009
		16.00	104.6	71.7	120.56	6.5000 0.011
		18.00	113.4	80.4	120.74	5.8889 0.013
		20.00	121.8	88.8	120.74	5.4000 0.015
		22.00	130.5	97.5	120.74	5.0000 0.017
		24.00	139.4	106.4	120.74	4.6667 0.019
		26.00	148.1	115.1	120.92	4.3846 0.022
		28.00	157.0	124.0	120.92	4.1429 0.025
		30.00	165.7	132.7	120.92	3.9333 0.027
		32.00	174.6	141.6	120.92	3.7500 0.030
		34.00	183.4	150.4	121.10	3.5882 0.034
		36.00	192.3	159.3	121.10	3.4444 0.037
		38.00	201.3	168.4	121.10	3.3158 0.041
		40.00	210.1	177.2	121.10	3.2000 0.044
		42.00	218.9	185.9	121.28	3.0952 0.048
		44.00	227.9	194.9	121.28	3.0000 0.052
		46.00	236.9	203.9	121.28	2.9130 0.056

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8607 DST #1 Betschart #1-27 Midco Exploration

DATE: 11/04/95 TIME: 06:06:00

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
48.00	245.9	212.9	121.28	2.8333	0.060
50.00	254.7	221.7	121.46	2.7600	0.065
52.00	263.6	230.6	121.46	2.6923	0.069
54.00	272.7	239.7	121.46	2.6296	0.074
56.00	281.6	248.6	121.46	2.5714	0.079
58.00	290.4	257.4	121.64	2.5172	0.084
60.00	299.4	266.5	121.64	2.4667	0.090
62.00	308.3	275.4	121.64	2.4194	0.095
64.00	317.2	284.3	121.64	2.3750	0.101
66.00	326.1	293.1	121.64	2.3333	0.106
68.00	334.9	301.9	121.82	2.2941	0.112
70.00	343.8	310.8	121.82	2.2571	0.118
72.00	352.6	319.6	121.82	2.2222	0.124
74.00	361.5	328.5	121.82	2.1892	0.131
76.00	370.4	337.5	121.82	2.1579	0.137
78.00	379.2	346.2	122.00	2.1282	0.144
80.00	388.1	355.1	122.00	2.1000	0.151
82.00	396.8	363.8	122.00	2.0732	0.157
84.00	405.7	372.7	122.00	2.0476	0.165
86.00	414.5	381.5	122.00	2.0233	0.172
88.00	423.2	390.2	122.18	2.0000	0.179
90.00	431.9	398.9	122.18	1.9778	0.187
92.00	440.4	407.4	122.18	1.9565	0.194
94.00	449.3	416.3	122.18	1.9362	0.202
96.00	457.7	424.8	122.18	1.9167	0.210
98.00	466.5	433.6	122.36	1.8980	0.218
100.00	475.0	442.0	122.36	1.8800	0.226
102.00	483.6	450.6	122.36	1.8627	0.234
104.00	492.2	459.3	122.36	1.8462	0.242
106.00	500.8	467.8	122.36	1.8302	0.251
108.00	509.3	476.4	122.54	1.8148	0.259
110.00	517.8	484.9	122.54	1.8000	0.268
112.00	526.2	493.2	122.54	1.7857	0.277
114.00	534.7	501.7	122.54	1.7719	0.286
116.00	543.2	510.2	122.54	1.7586	0.295
118.00	551.6	518.6	122.54	1.7458	0.304
120.00	559.9	526.9	122.72	1.7333	0.313
122.00	568.3	535.3	122.72	1.7213	0.323
124.00	576.2	543.3	122.72	1.7097	0.332
126.00	584.8	551.8	122.72	1.6984	0.342
128.00	593.0	560.1	122.72	1.6875	0.352
130.00	601.3	568.3	122.90	1.6769	0.362
132.00	609.5	576.5	122.90	1.6667	0.371
134.00	617.4	584.4	122.90	1.6567	0.381
136.00	625.4	592.4	122.90	1.6471	0.391
138.00	633.6	600.7	122.90	1.6377	0.402
140.00	641.7	608.7	122.90	1.6286	0.412
142.00	649.7	616.7	122.90	1.6197	0.422
144.00	657.6	624.6	123.08	1.6111	0.432
146.00	665.5	632.6	123.08	1.6027	0.443
148.00	673.4	640.5	123.08	1.5946	0.454

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	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	150.00	681.1	648.2	123.08	1.5867	0.464
	152.00	689.0	656.1	123.08	1.5789	0.475
	154.00	696.8	663.8	123.26	1.5714	0.485
	156.00	704.6	671.6	123.26	1.5641	0.496
	158.00	712.2	679.2	123.26	1.5570	0.507
	160.00	720.0	687.0	123.26	1.5500	0.518
	162.00	727.5	694.5	123.26	1.5432	0.529
	164.00	734.9	702.0	123.44	1.5366	0.540
	166.00	742.8	709.9	123.44	1.5301	0.552
	168.00	750.4	717.4	123.44	1.5238	0.563
	170.00	757.9	724.9	123.44	1.5176	0.574
	172.00	765.3	732.4	123.44	1.5116	0.586
	174.00	772.6	739.7	123.44	1.5057	0.597
	176.00	780.1	747.1	123.62	1.5000	0.609
	178.00	787.4	754.4	123.62	1.4944	0.620
***** End Shut-in 2	180.00	794.5	761.5	123.62	1.4889	0.631
***** Final Hydro.	514.00	2649.4	0.0	125.24		

