

**WELL NAME:** Greenleaf #4  
**COMPANY:** American Energies Corp.  
**LOCATION:** 07-28S-06W  
Kingman County Kansas  
**DATE:** 04/23/97

TRILOBITE TESTING L.L.C.

OPERATOR : American Energies Corp. DATE 04-18-97  
 WELL NAME: Greenleaf #4 KB 1479.00 ft TICKET NO: 9705 DST #1  
 LOCATION : Sec.07 Twp.28s Rge.06w Ks GR 1474.00 ft FORMATION: Indian Cave  
 INTERVAL : 1824.00 To 1893.00 ft TD 1893.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10248	10248	3030			PF Fr. 0115 to 0145 hr
SI 30	Range(Psi )	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0145 to 0215 hr
SF 30	Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 0215 to 0245 hr
FS 30	Depth(ft )	1890.0	1890.0	1834.0	0.0	0.0	FS Fr. 0245 to 0315 hr

	Field	1	2	3	4	
A. Init Hydro	898.0	904.0	868.0	0.0	0.0	T STARTED 2351 hr
B. First Flow	46.0	78.0	21.0	0.0	0.0	T ON BOTM 0113 hr
B1. Final Flow	46.0	59.0	17.0	0.0	0.0	T OPEN 0115 hr
C. In Shut-in	57.0	68.0	35.0	0.0	0.0	T PULLED 0316 hr
D. Init Flow	48.0	58.0	20.0	0.0	0.0	T OUT 0438 hr
E. Final Flow	48.0	58.0	18.0	0.0	0.0	
F. Fl Shut-in	54.0	58.0	24.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	887.0	897.0	862.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 36000.00 lbs
						Unseated Str Wt 36000.00 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 93.00 ft
						D.P. Length 1718.00 ft

RECOVERY

Tot Fluid	2.00 ft of	2.00 ft in DC and	0.00 ft in DP
2.00	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 EST.FT.OF PAY-----8		
SALINITY	1000.00 P.P.M.	A.P.I. Gravity	0.00

BLOW DESCRIPTION

Initial Flow:  
Weak blow, 1/2"

Initial Shut In:

Final Flow:  
Very weak blow, died in 15 mins

Final Shut In:

SAMPLES: None  
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	34.00 S/L
W.L.	16.80 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	1.00 ft
Btm. H. Temp.	84.00 F
Hole Condition	fair
% 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.	Frank Mize
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

Test Successful: Y



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9705 DST#1 GREENLEAF #4 AMERICAN ENERIGIES CORP.

DATE: 04/17/97

TIME: 23:51:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	78.00	868.1	0.0	81.18		
***** Start Flow 1	0.00	20.9	0.0	81.88		
	1.00	20.6	-0.3	81.94		
	2.00	20.3	-0.6	81.98		
	3.00	20.0	-0.8	82.01		
	4.00	20.0	-0.9	82.02		
	5.00	20.0	-0.9	82.03		
	6.00	19.9	-1	82.04		
	7.00	19.9	-1	82.05		
	8.00	19.8	-1.0	82.06		
	9.00	19.8	-1.1	82.06		
	10.00	19.7	-1.1	82.07		
	11.00	19.7	-1.2	82.07		
	12.00	19.6	-1.2	82.08		
	13.00	19.6	-1.2	82.09		
	14.00	19.6	-1.3	82.09		
	15.00	19.6	-1.3	82.10		
	16.00	19.5	-1.4	82.11		
	17.00	19.5	-1.4	82.12		
	18.00	19.5	-1.4	82.13		
	19.00	19.4	-1.4	82.14		
	20.00	19.4	-1.4	82.15		
	21.00	19.4	-1.5	82.16		
	22.00	19.4	-1.5	82.17		
	23.00	19.5	-1.4	82.18		
	24.00	16.8	-4.1	82.20		
	25.00	16.9	-3.9	82.21		
***** End Flow 1	26.00	17.5	-3.4	82.22		
***** Start Shutin 1	0.00	17.5	0.0	82.22	0.0000	0.000
	1.00	18.0	0.6	82.23	27.0000	0.000
	2.00	18.6	1.1	82.25	14.0000	0.000
	3.00	19.3	1.8	82.26	9.6667	0.000
	4.00	19.9	2.4	82.27	7.5000	0.000
	5.00	20.4	2.9	82.28	6.2000	0.000
	6.00	21.0	3.5	82.30	5.3333	0.000
	7.00	21.7	4.2	82.31	4.7143	0.000
	8.00	22.3	4.8	82.32	4.2500	0.000
	9.00	22.9	5.4	82.34	3.8889	0.001
	10.00	23.6	6.1	82.35	3.6000	0.001
	11.00	24.2	6.7	82.36	3.3636	0.001
	12.00	24.8	7.3	82.38	3.1667	0.001
	13.00	25.4	8.0	82.39	3.0000	0.001
	14.00	26.1	8.6	82.40	2.8571	0.001
	15.00	26.6	9.2	82.42	2.7333	0.001
	16.00	27.3	9.8	82.43	2.6250	0.001
	17.00	27.8	10.4	82.45	2.5294	0.001
	18.00	28.4	10.9	82.46	2.4444	0.001
	19.00	29.0	11.5	82.47	2.3684	0.001
	20.00	29.6	12.1	82.48	2.3000	0.001
	21.00	30.1	12.7	82.50	2.2381	0.001
	22.00	30.8	13.3	82.51	2.1818	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9705 DST#1 GREENLEAF #4 AMERICAN ENERIGIES CORP.

DATE: 04/17/97 TIME: 23:51:14

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	23.00	31.3	13.8	82.52	2.1304	0.001
	24.00	31.8	14.4	82.54	2.0833	0.001
	25.00	32.4	14.9	82.55	2.0400	0.001
	26.00	33.0	15.5	82.56	2.0000	0.001
	27.00	33.6	16.1	82.58	1.9630	0.001
	28.00	34.1	16.6	82.59	1.9286	0.001
***** End Shut-in 1	29.00	34.7	17.2	82.60	1.8966	0.001
***** Start Flow 2	0.00	19.8	0.0	82.62		
	1.00	19.7	-0.0	82.63		
	2.00	19.7	-0.0	82.64		
	3.00	19.7	-0.0	82.65		
	4.00	19.7	-0.1	82.67		
	5.00	19.6	-0.1	82.68		
	6.00	19.6	-0.1	82.70		
	7.00	19.6	-0.1	82.71		
	8.00	19.6	-0.1	82.73		
	9.00	19.5	-0.2	82.74		
	10.00	19.5	-0.2	82.76		
	11.00	19.5	-0.2	82.77		
	12.00	19.6	-0.2	82.78		
	13.00	19.6	-0.2	82.78		
	14.00	19.5	-0.2	82.80		
	15.00	19.5	-0.2	82.81		
	16.00	19.5	-0.2	82.83		
	17.00	19.5	-0.2	82.84		
	18.00	19.5	-0.2	82.85		
	19.00	19.5	-0.2	82.87		
	20.00	19.5	-0.2	82.89		
	21.00	19.5	-0.2	82.90		
	22.00	19.5	-0.3	82.91		
	23.00	19.4	-0.3	82.93		
	24.00	19.4	-0.4	82.95		
	25.00	19.5	-0.3	82.96		
	26.00	19.4	-0.3	82.98		
	27.00	19.5	-0.3	82.99		
	28.00	19.5	-0.3	83.01		
	29.00	19.4	-0.3	83.03		
	30.00	19.5	-0.3	83.04		
***** End Flow 2	31.00	18.2	-1.6	83.06		
***** Start Shutin 2	0.00	18.2	0.0	83.06	0.0000	0.000
	1.00	18.1	-0.0	83.08	58.0000	0.000
	2.00	18.1	-0.0	83.09	29.5000	0.000
	3.00	18.2	0.0	83.10	20.0000	0.000
	4.00	18.2	0.1	83.12	15.2500	0.000
	5.00	18.4	0.2	83.13	12.4000	0.000
	6.00	18.5	0.4	83.14	10.5000	0.000
	7.00	18.7	0.5	83.16	9.1429	0.000
	8.00	18.9	0.8	83.17	8.1250	0.000
	9.00	19.1	1	83.19	7.3333	0.000
	10.00	19.4	1.2	83.21	6.7000	0.000
	11.00	19.6	1.4	83.22	6.1818	0.000

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9705 DST#1 GREENLEAF #4 AMERICAN ENERIGIES CORP.

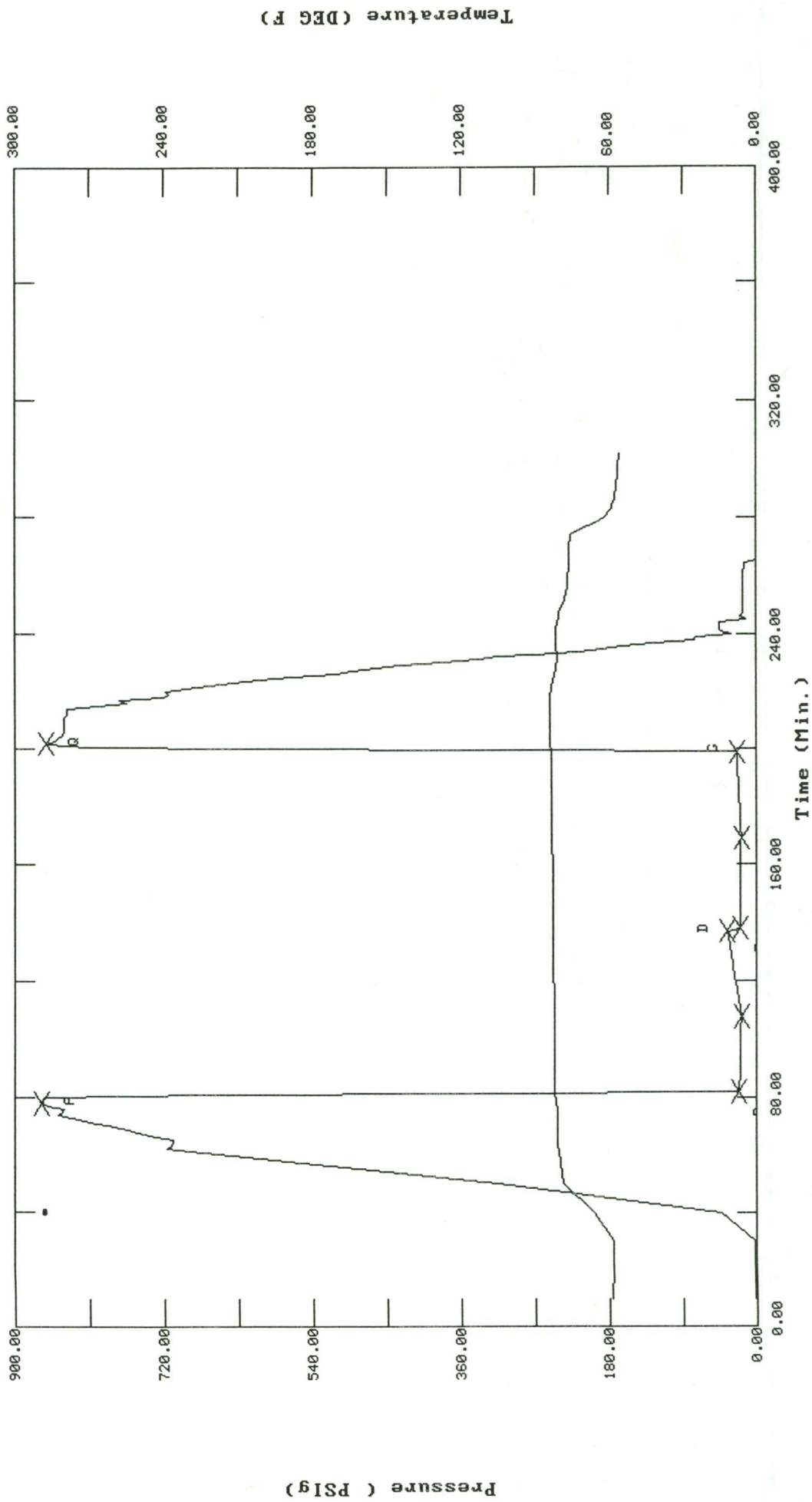
DATE: 04/17/97                      TIME: 23:51:14  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	12.00	19.8	1.6	83.23	5.7500	0.000
	13.00	20.0	1.8	83.24	5.3846	0.000
	14.00	20.2	2.0	83.26	5.0714	0.000
	15.00	20.4	2.2	83.28	4.8000	0.000
	16.00	20.6	2.4	83.29	4.5625	0.000
	17.00	20.9	2.7	83.31	4.3529	0.000
	18.00	21.1	2.9	83.33	4.1667	0.000
	19.00	21.3	3.1	83.34	4.0000	0.000
	20.00	21.5	3.3	83.36	3.8500	0.000
	21.00	21.7	3.5	83.38	3.7143	0.000
	22.00	22.0	3.8	83.40	3.5909	0.000
	23.00	22.1	3.9	83.41	3.4783	0.000
	24.00	22.3	4.1	83.43	3.3750	0.000
	25.00	22.5	4.3	83.45	3.2800	0.001
	26.00	22.7	4.5	83.46	3.1923	0.001
	27.00	22.9	4.7	83.48	3.1111	0.001
	28.00	23.1	5.0	83.49	3.0357	0.001
	29.00	23.3	5.2	83.51	2.9655	0.001
***** End Shut-in 2	30.00	23.5	5.3	83.53	2.9000	0.001
***** Final Hydro.	202.00	862.3	0.0	83.65		

**TEST HISTORY**  
 9705 DST#1 GREENLEAF #4 AMERICAN ENERGIES CORP.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	868.06
B:	0.00	20.85
C:	26.00	17.49
D:	29.00	34.69
E:	0.00	19.75
F:	31.00	18.17
G:	30.00	23.50
Q:	0.00	862.26



TRILOBITE TESTING L.L.C.

OPERATOR : American Energies Corp. DATE 04-18-97  
 WELL NAME: Greenleaf #4 KB 1479.00 ft TICKET NO: 10003 DST #2  
 LOCATION : Sec.07 Twp.28s Rge.06w Ks GR 1474.00 ft FORMATION: Toronto  
 INTERVAL : 2850.00 To 2880.00 ft TD 2880.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 2222 to 2252 hr
SI 30 Range(Psi )	4350.0	4350.0	4995.0	0.0	0.0	IS Fr. 2252 to 2322 hr
SF 30 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 2326 to 2356 hr
FS 30 Depth(ft )	2877.0	2877.0	2856.0	0.0	0.0	FS Fr. 2356 to 0026 hr

	Field	1	2	3	4	
A. Init Hydro	1321.0	1354.0	1343.0	0.0	0.0	T STARTED 2019 hr
B. First Flow	21.0	42.0	27.0	0.0	0.0	T ON BOTM 2220 hr
B1. Final Flow	11.0	28.0	27.0	0.0	0.0	T OPEN 2222 hr
C. In Shut-in	21.0	34.0	46.0	0.0	0.0	T PULLED 0026 hr
D. Init Flow	21.0	44.0	29.0	0.0	0.0	T OUT 0130 hr
E. Final Flow	21.0	32.0	29.0	0.0	0.0	
F. Fl Shut-in	21.0	32.0	40.0	0.0	0.0	
G. Final Hydro	1289.0	1319.0	1311.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP  
 5.00 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 EST.FT.OF PAY----- 15'  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	40000.00 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	2828.00 ft

BLOW DESCRIPTION

Initial Flow:  
 Weak blow, 1/2"  
 Initial Shut In:  
 No blow Back, Flush tool.  
 Final Flow:  
 No blow  
 Final Shut In:  
 No blow Back

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	43.00 S/L
W.L.	8.40 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 F
Hole Condition	Good.
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Frank Mize
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

SAMPLES: None  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Greenleaf #4

LOCATION : Sec.07 Twp.28s Rge.06w Ks

TICKET No. 10003 D.S.T. No. 2 DATE 04-18-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28'

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 30'

TOTAL TOOL ..... 58'

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 58'

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands38 Single 1 Total 2828'

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2886'

TOTAL DEPTH ..... 2880'

TOTAL DRILL PIPE ABOVE K.B. .... 6'

REMARKS:  
Weak blow on intial opening.  
Flushed tool on second opening no blow.

P.O. SUB	
C.O. SUB @ Top of tool	2823'
S.I. TOOL	2828'
HMV	2833'
JARS	2839'
SAFETY JOINT	2841'
PACKER Top	2845'
PACKER Bottom	2850'
DEPTH STUBB 1'to 2851'	2851'
ANCHOR	
Alpine Rec. @ 2856	
	2851'
27'of perms.to	2878'
T.C. DEPTH	
	2878'
AK-1 Rec. @ 2877	
BULLNOSE 2'bullnose to T.D.	2880'

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10003 DST#2 Greenleaf #4 American Energies Corp.

DATE: 04/19/97

TIME: 20:21:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	122.50	1343.3	0.0	96.62		
***** Start Flow 1	0.00	27.4	0.0	96.64		
	0.50	27.5	0.2	96.67		
	1.00	27.5	0.2	96.73		
	1.50	27.7	0.3	96.76		
	2.00	27.7	0.3	96.80		
	2.50	27.7	0.3	96.82		
	3.00	27.7	0.3	96.85		
	3.50	27.7	0.3	96.86		
	4.00	27.8	0.4	96.88		
	4.50	27.8	0.4	96.90		
	5.00	27.9	0.5	96.91		
	5.50	27.9	0.5	96.92		
	6.00	27.9	0.5	96.93		
	6.50	27.9	0.5	96.94		
	7.00	27.9	0.5	96.94		
	7.50	27.9	0.5	96.94		
	8.00	27.9	0.5	96.95		
	8.50	28.0	0.7	96.96		
	9.00	28.0	0.7	96.96		
	9.50	28.0	0.7	96.96		
	10.00	28.0	0.7	96.97		
	10.50	28.0	0.7	96.96		
	11.00	28.0	0.7	96.97		
	11.50	28.0	0.7	96.97		
	12.00	28.0	0.7	96.98		
	12.50	28.2	0.8	96.98		
	13.00	28.1	0.8	96.98		
	13.50	28.0	0.7	96.99		
	14.00	28.0	0.7	96.99		
	14.50	28.0	0.7	97.00		
	15.00	28.0	0.7	96.99		
	15.50	28.0	0.7	97.00		
	16.00	28.2	0.8	97.00		
	16.50	28.1	0.8	97.01		
	17.00	28.0	0.7	97.01		
	17.50	28.0	0.7	97.02		
	18.00	28.0	0.7	97.02		
	18.50	28.0	0.7	97.02		
	19.00	28.0	0.7	97.02		
	19.50	28.2	0.8	97.03		
	20.00	28.2	0.8	97.03		
	20.50	28.1	0.8	97.04		
	21.00	28.1	0.8	97.05		
	21.50	28.0	0.7	97.05		
	22.00	28.1	0.8	97.06		
	22.50	28.1	0.8	97.06		
	23.00	28.2	0.8	97.06		
	23.50	28.2	0.8	97.07		
	24.00	28.0	0.7	97.08		
	24.50	28.2	0.8	97.09		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10003 DST#2 Greenleaf #4 American Energies Corp.

DATE: 04/19/97

TIME: 20:21:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	25.00	28.0	0.7	97.09		
	25.50	28.3	0.9	97.10		
	26.00	28.1	0.8	97.11		
	26.50	28.1	0.8	97.11		
	27.00	28.1	0.8	97.12		
	27.50	28.1	0.8	97.13		
	28.00	28.1	0.8	97.13		
	28.50	28.1	0.8	97.14		
***** End Flow 1	29.00	27.3	-0.1	97.14		
***** Start Shutin 1	0.00	27.3	0.0	97.14	0.0000	0.001
	0.50	27.8	0.5	97.15	59.0000	0.001
	1.00	28.2	0.9	97.15	30.0000	0.001
	1.50	28.5	1.3	97.17	20.3333	0.001
	2.00	28.9	1.7	97.18	15.5000	0.001
	2.50	29.3	2.0	97.19	12.6000	0.001
	3.00	29.5	2.2	97.19	10.6667	0.001
	3.50	29.9	2.6	97.20	9.2857	0.001
	4.00	30.2	2.9	97.20	8.2500	0.001
	4.50	30.5	3.2	97.22	7.4444	0.001
	5.00	30.8	3.5	97.22	6.8000	0.001
	5.50	31.1	3.9	97.23	6.2727	0.001
	6.00	31.2	3.9	97.24	5.8333	0.001
	6.50	31.7	4.4	97.25	5.4615	0.001
	7.00	32.0	4.7	97.25	5.1429	0.001
	7.50	32.1	4.9	97.26	4.8667	0.001
	8.00	32.4	5.1	97.27	4.6250	0.001
	8.50	32.7	5.5	97.28	4.4118	0.001
	9.00	33.1	5.8	97.29	4.2222	0.001
	9.50	33.5	6.2	97.30	4.0526	0.001
	10.00	33.7	6.5	97.31	3.9000	0.001
	10.50	34.0	6.7	97.32	3.7619	0.001
	11.00	34.2	7.0	97.32	3.6364	0.001
	11.50	34.5	7.2	97.33	3.5217	0.001
	12.00	34.8	7.6	97.35	3.4167	0.001
	12.50	35.0	7.7	97.36	3.3200	0.001
	13.00	35.5	8.2	97.36	3.2308	0.001
	13.50	35.7	8.4	97.37	3.1481	0.001
	14.00	36.0	8.7	97.38	3.0714	0.001
	14.50	36.3	9.1	97.39	3.0000	0.001
	15.00	36.5	9.2	97.40	2.9333	0.001
	15.50	36.8	9.6	97.41	2.8710	0.001
	16.00	37.2	9.9	97.42	2.8125	0.001
	16.50	37.4	10.2	97.43	2.7576	0.001
	17.00	37.8	10.5	97.44	2.7059	0.001
	17.50	38.2	10.9	97.46	2.6571	0.001
	18.00	38.4	11.2	97.47	2.6111	0.001
	18.50	38.6	11.3	97.47	2.5676	0.001
	19.00	38.9	11.7	97.48	2.5263	0.002
	19.50	39.3	12.0	97.49	2.4872	0.002
	20.00	39.6	12.3	97.49	2.4500	0.002
	20.50	39.8	12.5	97.51	2.4146	0.002

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10003 DST#2 Greenleaf #4 American Energies Corp.

DATE: 04/19/97

TIME: 20:21:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	21.00	40.0	12.8	97.52	2.3810	0.002
	21.50	40.4	13.1	97.53	2.3488	0.002
	22.00	40.8	13.5	97.54	2.3182	0.002
	22.50	41.0	13.8	97.55	2.2889	0.002
	23.00	41.4	14.1	97.56	2.2609	0.002
	23.50	41.6	14.4	97.57	2.2340	0.002
	24.00	41.9	14.6	97.58	2.2083	0.002
	24.50	42.3	15.0	97.59	2.1837	0.002
	25.00	42.6	15.4	97.60	2.1600	0.002
	25.50	43.0	15.7	97.61	2.1373	0.002
	26.00	43.2	15.9	97.63	2.1154	0.002
	26.50	43.5	16.3	97.64	2.0943	0.002
	27.00	43.9	16.6	97.65	2.0741	0.002
	27.50	44.1	16.9	97.65	2.0545	0.002
	28.00	44.5	17.2	97.66	2.0357	0.002
	28.50	44.8	17.5	97.68	2.0175	0.002
	29.00	45.2	18.0	97.69	2.0000	0.002
	29.50	45.5	18.2	97.70	1.9831	0.002
	30.00	45.8	18.5	97.71	1.9667	0.002
***** End Shut-in 1	30.50	46.1	18.8	97.72	1.9508	0.002
***** Start Flow 2	0.00	29.4	0.0	97.96		
	0.50	29.4	0.0	97.96		
	1.00	29.4	0.0	97.97		
	1.50	29.6	0.3	97.97		
	2.00	29.5	0.2	97.97		
	2.50	29.4	0.1	97.97		
	3.00	29.4	0.1	97.96		
	3.50	29.4	0.1	97.96		
	4.00	29.4	0.1	97.97		
	4.50	29.5	0.2	97.96		
	5.00	29.5	0.2	97.96		
	5.50	29.5	0.2	97.96		
	6.00	29.6	0.3	97.97		
	6.50	29.6	0.3	97.97		
	7.00	29.6	0.3	97.98		
	7.50	29.6	0.3	97.99		
	8.00	29.5	0.2	98.00		
	8.50	29.5	0.2	98.01		
	9.00	29.7	0.3	98.02		
	9.50	29.6	0.3	98.02		
	10.00	29.5	0.2	98.04		
	10.50	29.5	0.2	98.05		
	11.00	29.5	0.2	98.07		
	11.50	29.6	0.3	98.08		
	12.00	29.6	0.3	98.09		
	12.50	29.7	0.3	98.10		
	13.00	29.7	0.3	98.11		
	13.50	29.5	0.2	98.13		
	14.00	29.6	0.3	98.14		
	14.50	29.6	0.3	98.15		
	15.00	29.6	0.3	98.17		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10003 DST#2 Greenleaf #4 American Energies Corp.

DATE: 04/19/97

TIME: 20:21:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	15.50	29.7	0.3	98.18		
	16.00	29.6	0.3	98.19		
	16.50	29.8	0.4	98.21		
	17.00	29.8	0.4	98.21		
	17.50	29.6	0.3	98.22		
	18.00	29.7	0.3	98.23		
	18.50	29.7	0.3	98.25		
	19.00	29.8	0.4	98.26		
	19.50	29.7	0.3	98.27		
	20.00	29.6	0.3	98.28		
	20.50	29.6	0.3	98.30		
	21.00	29.6	0.3	98.31		
	21.50	29.7	0.3	98.32		
	22.00	29.7	0.3	98.33		
	22.50	29.8	0.4	98.35		
	23.00	29.8	0.4	98.35		
	23.50	29.8	0.4	98.36		
	24.00	29.8	0.4	98.38		
	24.50	29.8	0.4	98.39		
	25.00	29.8	0.4	98.41		
	25.50	29.7	0.3	98.41		
	26.00	29.7	0.3	98.42		
	26.50	29.7	0.3	98.43		
	27.00	29.7	0.3	98.44		
	27.50	29.7	0.3	98.45		
***** End Flow 2	28.00	29.3	-0.1	98.47		
***** Start Shutin 2	0.00	29.3	0.0	98.47	0.0000	0.001
	0.50	28.5	-0.8	98.48	115.0000	0.001
	1.00	28.8	-0.5	98.49	58.0000	0.001
	1.50	29.0	-0.3	98.50	39.0000	0.001
	2.00	29.0	-0.3	98.51	29.5000	0.001
	2.50	29.5	0.2	98.53	23.8000	0.001
	3.00	29.6	0.3	98.54	20.0000	0.001
	3.50	29.6	0.3	98.55	17.2857	0.001
	4.00	30.0	0.7	98.56	15.2500	0.001
	4.50	30.1	0.8	98.57	13.6667	0.001
	5.00	30.3	1.0	98.58	12.4000	0.001
	5.50	30.5	1.2	98.59	11.3636	0.001
	6.00	30.6	1.3	98.60	10.5000	0.001
	6.50	30.7	1.4	98.61	9.7692	0.001
	7.00	31.0	1.8	98.62	9.1429	0.001
	7.50	31.2	1.9	98.63	8.6000	0.001
	8.00	31.3	2.0	98.64	8.1250	0.001
	8.50	31.5	2.3	98.65	7.7059	0.001
	9.00	31.7	2.4	98.67	7.3333	0.001
	9.50	31.8	2.5	98.68	7.0000	0.001
	10.00	32.1	2.9	98.69	6.7000	0.001
	10.50	32.2	2.9	98.69	6.4286	0.001
	11.00	32.4	3.1	98.70	6.1818	0.001
	11.50	32.6	3.4	98.72	5.9565	0.001
	12.00	32.7	3.4	98.72	5.7500	0.001

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10003 DST#2 Greenleaf #4 American Energies Corp.

DATE: 04/19/97

TIME: 20:21:53  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	12.50	33.0	3.7	98.73	5.5600	0.001
	13.00	33.1	3.9	98.75	5.3846	0.001
	13.50	33.2	3.9	98.76	5.2222	0.001
	14.00	33.5	4.2	98.77	5.0714	0.001
	14.50	33.7	4.4	98.77	4.9310	0.001
	15.00	33.9	4.6	98.79	4.8000	0.001
	15.50	34.1	4.8	98.79	4.6774	0.001
	16.00	34.2	4.9	98.81	4.5625	0.001
	16.50	34.4	5.1	98.82	4.4545	0.001
	17.00	34.6	5.3	98.82	4.3529	0.001
	17.50	34.7	5.5	98.83	4.2571	0.001
	18.00	34.9	5.6	98.85	4.1667	0.001
	18.50	35.1	5.8	98.86	4.0811	0.001
	19.00	35.2	6.0	98.87	4.0000	0.001
	19.50	35.2	6.0	98.88	3.9231	0.001
	20.00	35.2	5.9	98.89	3.8500	0.001
	20.50	35.5	6.2	98.89	3.7805	0.001
	21.00	35.8	6.5	98.91	3.7143	0.001
	21.50	36.1	6.8	98.92	3.6512	0.001
	22.00	36.2	7.0	98.93	3.5909	0.001
	22.50	36.5	7.2	98.94	3.5333	0.001
	23.00	36.4	7.1	98.95	3.4783	0.001
	23.50	36.6	7.3	98.96	3.4255	0.001
	24.00	36.7	7.4	98.97	3.3750	0.001
	24.50	36.8	7.5	98.98	3.3265	0.001
	25.00	36.9	7.6	98.99	3.2800	0.001
	25.50	37.0	7.7	99.00	3.2353	0.001
	26.00	37.3	8.0	99.01	3.1923	0.001
	26.50	37.3	8.0	99.02	3.1509	0.001
	27.00	37.6	8.3	99.03	3.1111	0.001
	27.50	37.7	8.4	99.04	3.0727	0.001
	28.00	38.2	8.9	99.05	3.0357	0.001
	28.50	38.3	9.0	99.06	3.0000	0.001
	29.00	38.5	9.2	99.07	2.9655	0.001
	29.50	38.6	9.3	99.08	2.9322	0.001
	30.00	38.8	9.6	99.09	2.9000	0.002
	30.50	39.1	9.8	99.10	2.8689	0.002
	31.00	39.2	9.9	99.11	2.8387	0.002
	31.50	39.4	10.1	99.12	2.8095	0.002
***** End Shut-in 2	32.00	39.6	10.3	99.14	2.7812	0.002
***** Final Hydro.	248.00	1311.4	0.0	99.16		

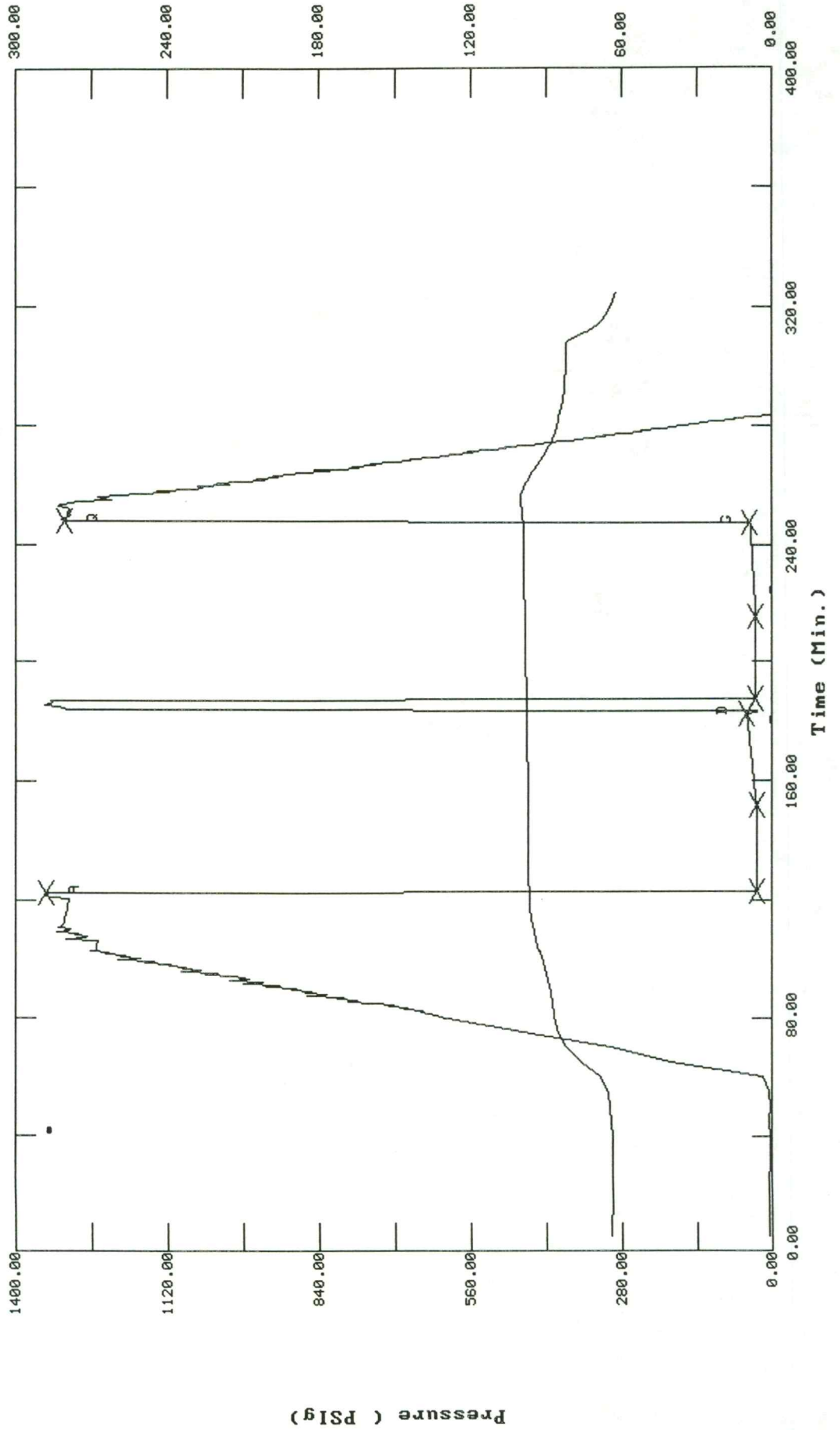
# TEST HISTORY

TK#10003 DST#2 Greenleaf #4 American Energies Corp.

## Flag Points

t (Min.) P (PSig)

A:	0.00	1343.34
B:	0.00	27.35
C:	29.00	27.27
D:	30.50	46.07
E:	0.00	29.36
F:	28.00	29.28
G:	32.00	39.61
Q:	0.00	1311.36



TRILOBITE TESTING L.L.C.

OPERATOR : American Energies corp.  
 WELL NAME: Greenleaf Ranch #4  
 LOCATION : sec.7 Twp.28s Rge.6w  
 INTERVAL : 3801.00 To 3843.00 ft

DATE 4/22/97  
 KB 1479.00 ft TICKET NO: 10004 DST #3  
 GR 1474.00 ft FORMATION: MISS.  
 TD 3843.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 0516 to 0546 hr
SI 60 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 0546 to 0646 hr
SF 45 Clock(hrs)	12hr.	12hr.	Elec.			SF Fr. 0646 to 0731 hr
FS 75 Depth(ft )	3837.0	3837.0	3808.0	0.0	0.0	FS Fr. 0731 to 0846 hr

	Field	1	2	3	4	
A. Init Hydro	2092.0	1947.0	1927.0	0.0	0.0	T STARTED 0325 hr
B. First Flow	53.0	64.0	45.0	0.0	0.0	T ON BOTM 0514 hr
B1. Final Flow	43.0	56.0	53.0	0.0	0.0	T OPEN 0516 hr
C. In Shut-in	1226.0	1239.0	1247.0	0.0	0.0	T PULLED 0846 hr
D. Init Flow	43.0	79.0	56.0	0.0	0.0	T OUT 1030 hr
E. Final Flow	32.0	62.0	70.0	0.0	0.0	
F. Fl Shut-in	1236.0	1242.0	1249.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1935.0	1924.0	1957.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 54000.00 lbs
						Initial Str Wt 49000.00 lbs
						Unseated Str Wt 49000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3789.00 ft

RECOVERY

Tot Fluid 95.00 ft of 0.00 ft in DC and 95.00 ft in DP  
 95.00 ft of Gas Cut Watery Mud 2%gas 28%water 70% 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 10000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow - bottom of bucket in 30 seconds -Gas to surface in 11 minutes

Initial Shut-in:  
 Bled down for 10 minutes  
 Bottom of bucket in 20 minutes

Final Flow:  
 Strong Blow

Final Shut-in:  
 Bled down for 20 minutes  
 Bottom of bucket in 19 minutes

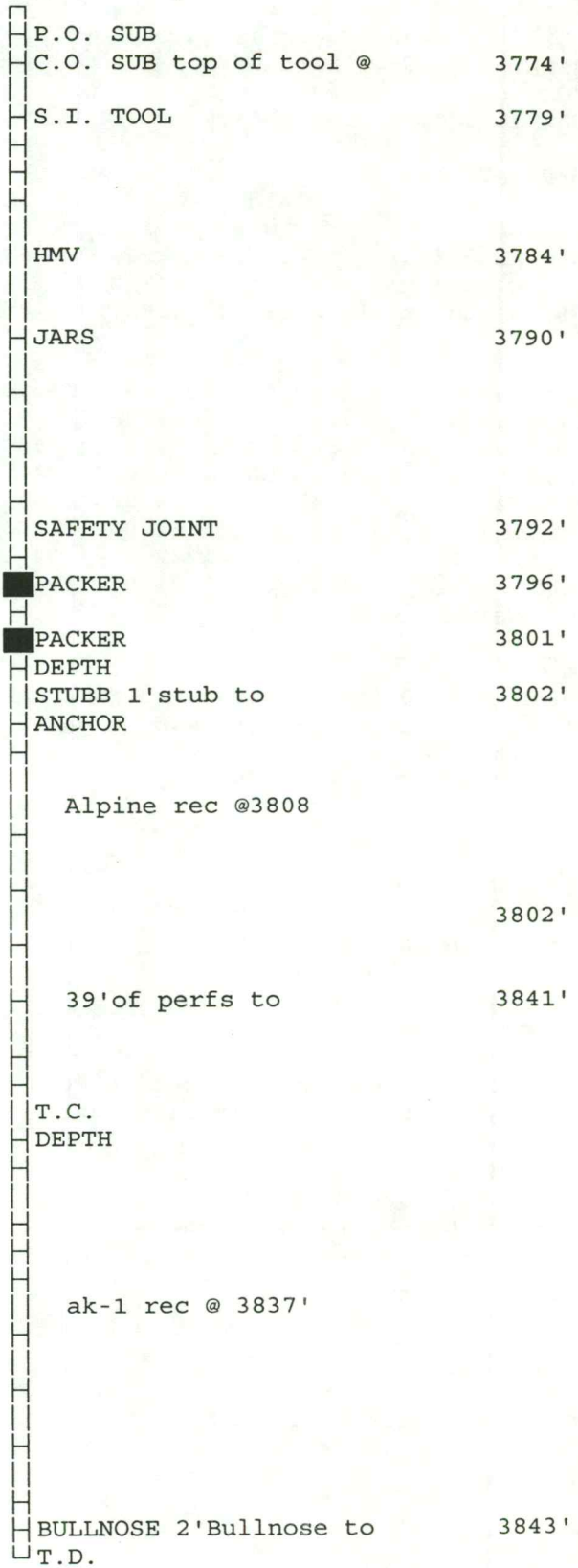
SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/c  
 Vis. 47.00 S/L  
 W.L. 10.50 in3  
 F.C. 0.32 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 121.00 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 Darren Amerine  
 Co. Rep. Frank Mize  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Greenleaf Ranch #4  
 LOCATION : sec.7 Twp.28s Rge.6w  
 TICKET No. 10004 D.S.T. No. 3 DATE 4/22/97  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28'  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 41'  
 TOTAL TOOL ..... 69'  
 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.Stands Single Total  
 D.P. ABOVE TOOLS.Stands61 Single Total 3789'  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3859'  
 TOTAL DEPTH ..... 3843'  
 TOTAL DRILL PIPE ABOVE K.B. .... 16'  
 REMARKS:





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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97                      TIME: 03:28:14  
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	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	111.00	1927.6	0.0	112.09		
***** Start Flow 1	0.00	45.5	0.0	112.41		
	0.50	42.8	-2.7	112.58		
	1.00	43.5	-1.9	112.79		
	1.50	46.0	0.5	112.99		
	2.00	41.9	-3.6	113.20		
	2.50	41.4	-4.1	113.39		
	3.00	42.0	-3.4	113.59		
	3.50	42.2	-3.3	113.76		
	4.00	42.7	-2.8	113.93		
	4.50	44.4	-1.1	114.07		
	5.00	48.7	3.2	114.22		
	5.50	42.6	-2.9	114.34		
	6.00	47.7	2.3	114.47		
	6.50	47.8	2.3	114.58		
	7.00	43.1	-2.4	114.68		
	7.50	43.0	-2.4	114.76		
	8.00	46.5	1.0	114.86		
	8.50	42.9	-2.6	114.92		
	9.00	46.2	0.8	115.01		
	9.50	43.9	-1.6	115.07		
	10.00	46.3	0.8	115.15		
	10.50	45.7	0.3	115.21		
	11.00	47.7	2.3	115.26		
	11.50	44.8	-0.7	115.31		
	12.00	46.3	0.8	115.35		
	12.50	50.4	5.0	115.40		
	13.00	52.1	6.6	115.43		
	13.50	47.6	2.1	115.47		
	14.00	49.4	3.9	115.50		
	14.50	54.9	9.4	115.53		
	15.00	48.8	3.3	115.56		
	15.50	49.6	4.1	115.59		
	16.00	49.5	4.0	115.60		
	16.50	50.9	5.4	115.62		
	17.00	53.5	8.1	115.65		
	17.50	55.8	10.3	115.66		
	18.00	50.8	5.3	115.68		
	18.50	50.8	5.3	115.70		
	19.00	52.8	7.3	115.70		
	19.50	50.3	4.8	115.72		
	20.00	51.8	6.3	115.75		
	20.50	50.4	5.0	115.74		
	21.00	49.9	4.4	115.75		
	21.50	50.3	4.9	115.77		
	22.00	50.2	4.7	115.78		
	22.50	50.9	5.4	115.79		
	23.00	50.9	5.5	115.79		
	23.50	51.3	5.8	115.81		
	24.00	52.4	7.0	115.82		
	24.50	53.5	8.1	115.84		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	25.00	52.5	7.0	115.84		
	25.50	52.2	6.7	115.85		
	26.00	55.0	9.6	115.85		
	26.50	52.9	7.5	115.87		
	27.00	53.0	7.6	115.88		
	27.50	52.3	6.8	115.89		
***** End Flow 1	28.00	52.5	7.0	115.89		
***** Start Shutin 1	0.00	52.5	0.0	115.89	0.0000	0.003
	0.50	155.0	102.5	115.91	57.0000	0.024
	1.00	282.7	230.1	115.94	29.0000	0.080
	1.50	392.1	339.6	116.00	19.6667	0.154
	2.00	486.7	434.2	116.14	15.0000	0.237
	2.50	569.1	516.6	116.32	12.2000	0.324
	3.00	640.6	588.1	116.56	10.3333	0.410
	3.50	702.2	649.7	116.83	9.0000	0.493
	4.00	755.4	702.9	117.15	8.0000	0.571
	4.50	802.0	749.5	117.47	7.2222	0.643
	5.00	841.2	788.7	117.82	6.6000	0.708
	5.50	876.8	824.3	118.17	6.0909	0.769
	6.00	907.2	854.6	118.52	5.6667	0.823
	6.50	934.2	881.7	118.86	5.3077	0.873
	7.00	958.7	906.2	119.20	5.0000	0.919
	7.50	980.5	928.0	119.52	4.7333	0.961
	8.00	1000.3	947.8	119.83	4.5000	1.001
	8.50	1018.5	966.0	120.11	4.2941	1.037
	9.00	1034.2	981.7	120.38	4.1111	1.070
	9.50	1048.1	995.6	120.60	3.9474	1.098
	10.00	1060.8	1008.3	120.79	3.8000	1.125
	10.50	1072.5	1020.0	120.96	3.6667	1.150
	11.00	1083.0	1030.5	121.10	3.5455	1.173
	11.50	1092.7	1040.2	121.21	3.4348	1.194
	12.00	1101.5	1049.0	121.32	3.3333	1.213
	12.50	1109.7	1057.2	121.41	3.2400	1.231
	13.00	1117.3	1064.8	121.45	3.1538	1.248
	13.50	1124.3	1071.8	121.53	3.0741	1.264
	14.00	1130.8	1078.2	121.55	3.0000	1.279
	14.50	1136.8	1084.3	121.56	2.9310	1.292
	15.00	1142.4	1089.9	121.57	2.8667	1.305
	15.50	1147.6	1095.1	121.56	2.8065	1.317
	16.00	1152.5	1100.0	121.56	2.7500	1.328
	16.50	1157.4	1104.8	121.56	2.6970	1.339
	17.00	1161.1	1108.6	121.54	2.6471	1.348
	17.50	1164.7	1112.2	121.52	2.6000	1.357
	18.00	1168.4	1115.8	121.50	2.5556	1.365
	18.50	1171.7	1119.2	121.48	2.5135	1.373
	19.00	1175.0	1122.5	121.46	2.4737	1.381
	19.50	1178.0	1125.5	121.42	2.4359	1.388
	20.00	1180.8	1128.2	121.41	2.4000	1.394
	20.50	1183.3	1130.8	121.39	2.3659	1.400
	21.00	1185.9	1133.4	121.36	2.3333	1.406
	21.50	1188.2	1135.6	121.34	2.3023	1.412

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
22.00	1190.5	1138.0	121.31	2.2727	1.417
22.50	1192.6	1140.1	121.28	2.2444	1.422
23.00	1194.7	1142.2	121.26	2.2174	1.427
23.50	1196.5	1143.9	121.23	2.1915	1.432
24.00	1198.4	1145.9	121.21	2.1667	1.436
24.50	1200.2	1147.6	121.20	2.1429	1.440
25.00	1202.0	1149.5	121.17	2.1200	1.445
25.50	1203.5	1151.0	121.15	2.0980	1.448
26.00	1205.0	1152.5	121.12	2.0769	1.452
26.50	1206.5	1154.0	121.10	2.0566	1.456
27.00	1208.1	1155.6	121.06	2.0370	1.460
27.50	1209.5	1156.9	121.04	2.0182	1.463
28.00	1210.8	1158.3	121.02	2.0000	1.466
28.50	1212.1	1159.5	121.01	1.9825	1.469
29.00	1213.4	1160.9	120.99	1.9655	1.472
29.50	1214.5	1162.0	120.97	1.9492	1.475
30.00	1215.6	1163.1	120.95	1.9333	1.478
30.50	1216.8	1164.2	120.94	1.9180	1.481
31.00	1217.9	1165.3	120.92	1.9032	1.483
31.50	1219.0	1166.4	120.91	1.8889	1.486
32.00	1219.9	1167.4	120.98	1.8750	1.488
32.50	1220.9	1168.4	120.82	1.8615	1.491
33.00	1221.9	1169.4	120.79	1.8485	1.493
33.50	1222.7	1170.2	120.82	1.8358	1.495
34.00	1223.5	1171.0	120.82	1.8235	1.497
34.50	1224.4	1171.9	120.81	1.8116	1.499
35.00	1225.2	1172.6	120.79	1.8000	1.501
35.50	1226.0	1173.5	120.77	1.7887	1.503
36.00	1226.8	1174.2	120.76	1.7778	1.505
36.50	1227.5	1175.0	120.74	1.7671	1.507
37.00	1228.2	1175.7	120.73	1.7568	1.508
37.50	1228.8	1176.2	120.72	1.7467	1.510
38.00	1229.5	1177.0	120.69	1.7368	1.512
38.50	1230.2	1177.7	120.69	1.7273	1.513
39.00	1230.8	1178.3	120.67	1.7179	1.515
39.50	1231.5	1178.9	120.65	1.7089	1.517
40.00	1232.1	1179.5	120.64	1.7000	1.518
40.50	1232.6	1180.1	120.63	1.6914	1.519
41.00	1233.1	1180.6	120.61	1.6829	1.521
41.50	1233.6	1181.1	120.60	1.6747	1.522
42.00	1234.2	1181.7	120.59	1.6667	1.523
42.50	1234.9	1182.4	120.57	1.6588	1.525
43.00	1235.4	1182.9	120.54	1.6512	1.526
43.50	1235.9	1183.4	120.55	1.6437	1.527
44.00	1236.3	1183.8	120.52	1.6364	1.529
44.50	1236.9	1184.4	120.51	1.6292	1.530
45.00	1237.3	1184.7	120.51	1.6222	1.531
45.50	1237.8	1185.3	120.49	1.6154	1.532
46.00	1238.3	1185.7	120.50	1.6087	1.533
46.50	1238.8	1186.2	120.50	1.6022	1.535
47.00	1239.2	1186.7	120.51	1.5957	1.536

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	47.50	1239.6	1187.1	120.51	1.5895	1.537
	48.00	1239.9	1187.3	120.50	1.5833	1.537
	48.50	1240.3	1187.7	120.51	1.5773	1.538
	49.00	1240.8	1188.3	120.52	1.5714	1.540
	49.50	1241.2	1188.7	120.51	1.5657	1.541
	50.00	1241.5	1188.9	120.53	1.5600	1.541
	50.50	1241.9	1189.3	120.53	1.5545	1.542
	51.00	1242.2	1189.7	120.54	1.5490	1.543
	51.50	1242.7	1190.2	120.53	1.5437	1.544
	52.00	1242.9	1190.3	120.54	1.5385	1.545
	52.50	1243.3	1190.8	120.54	1.5333	1.546
	53.00	1243.6	1191.1	120.55	1.5283	1.547
	53.50	1244.1	1191.5	120.55	1.5234	1.548
	54.00	1244.2	1191.7	120.55	1.5185	1.548
	54.50	1244.7	1192.2	120.56	1.5138	1.549
	55.00	1245.1	1192.5	120.55	1.5091	1.550
	55.50	1245.3	1192.8	120.55	1.5045	1.551
	56.00	1245.6	1193.0	120.56	1.5000	1.551
	56.50	1246.1	1193.5	120.54	1.4956	1.553
	57.00	1246.2	1193.7	120.53	1.4912	1.553
	57.50	1246.6	1194.0	120.53	1.4870	1.554
	58.00	1246.7	1194.2	120.52	1.4828	1.554
	58.50	1247.2	1194.6	120.51	1.4786	1.555
	59.00	1247.4	1194.9	120.49	1.4746	1.556
***** End Shut-in 1	59.50	1247.5	1195.0	120.48	1.4706	1.556
***** Start Flow 2	0.00	56.0	0.0	120.10		
	0.50	55.4	-0.6	119.86		
	1.00	61.7	5.7	119.61		
	1.50	56.0	0.0	119.38		
	2.00	54.6	-1.3	119.16		
	2.50	55.3	-0.7	118.97		
	3.00	55.9	-0.1	118.80		
	3.50	56.8	0.8	118.64		
	4.00	57.4	1.4	118.50		
	4.50	57.6	1.7	118.38		
	5.00	58.0	2.0	118.28		
	5.50	58.3	2.4	118.18		
	6.00	58.5	2.5	118.09		
	6.50	58.5	2.5	118.02		
	7.00	58.6	2.6	117.96		
	7.50	58.6	2.6	117.91		
	8.00	58.7	2.8	117.86		
	8.50	58.8	2.9	117.81		
	9.00	59.5	3.5	117.77		
	9.50	60.4	4.4	117.74		
	10.00	60.5	4.5	117.71		
	10.50	61.1	5.1	117.68		
	11.00	61.8	5.8	117.66		
	11.50	62.4	6.5	117.63		
	12.00	63.4	7.5	117.61		
	12.50	63.9	7.9	117.59		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
13.00	63.4	7.4	117.57		
13.50	63.9	7.9	117.56		
14.00	63.3	7.3	117.54		
14.50	64.1	8.1	117.52		
15.00	64.1	8.1	117.51		
15.50	64.1	8.1	117.48		
16.00	64.4	8.5	117.47		
16.50	64.9	8.9	117.45		
17.00	65.1	9.1	117.43		
17.50	65.1	9.1	117.42		
18.00	65.5	9.6	117.39		
18.50	65.2	9.2	117.37		
19.00	65.5	9.5	117.35		
19.50	65.8	9.8	117.33		
20.00	66.4	10.5	117.32		
20.50	66.4	10.5	117.30		
21.00	66.5	10.6	117.28		
21.50	66.0	10.1	117.25		
22.00	66.1	10.2	117.24		
22.50	66.6	10.7	117.21		
23.00	66.6	10.7	117.19		
23.50	66.3	10.3	117.17		
24.00	66.1	10.2	117.15		
24.50	67.5	11.5	117.13		
25.00	67.5	11.5	117.11		
25.50	66.5	10.6	117.09		
26.00	66.5	10.6	117.08		
26.50	66.7	10.7	117.07		
27.00	67.5	11.5	117.03		
27.50	67.6	11.6	117.01		
28.00	67.8	11.8	116.99		
28.50	68.2	12.3	116.97		
29.00	67.6	11.7	116.94		
29.50	67.7	11.7	116.93		
30.00	67.8	11.8	116.91		
30.50	67.8	11.8	116.89		
31.00	67.9	11.9	116.87		
31.50	67.6	11.7	116.84		
32.00	68.1	12.2	116.83		
32.50	68.4	12.4	116.81		
33.00	68.6	12.6	116.80		
33.50	68.5	12.5	116.78		
34.00	69.1	13.2	116.76		
34.50	68.9	12.9	116.74		
35.00	68.9	12.9	116.72		
35.50	69.8	13.8	116.70		
36.00	69.7	13.7	116.69		
36.50	69.0	13.0	116.67		
37.00	69.2	13.3	116.65		
37.50	69.3	13.3	116.63		
38.00	69.1	13.2	116.62		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	38.50	69.5	13.5	116.61		
	39.00	69.4	13.4	116.59		
	39.50	69.3	13.3	116.57		
	40.00	69.8	13.8	116.56		
	40.50	70.0	14.0	116.53		
	41.00	70.2	14.2	116.52		
	41.50	70.2	14.3	116.51		
	42.00	70.0	14.0	116.48		
***** End Flow 2	42.50	70.2	14.3	116.47		
***** Start Shutin 2	0.00	70.2	0.0	116.47	0.0000	0.005
	0.50	70.3	0.1	116.46	142.0000	0.005
	1.00	177.6	107.3	116.44	71.5000	0.032
	1.50	281.7	211.4	116.46	48.0000	0.079
	2.00	370.5	300.3	116.55	36.2500	0.137
	2.50	448.2	377.9	116.70	29.2000	0.201
	3.00	516.3	446.1	116.91	24.5000	0.267
	3.50	576.4	506.2	117.16	21.1429	0.332
	4.00	629.5	559.3	117.44	18.6250	0.396
	4.50	676.6	606.4	117.74	16.6667	0.458
	5.00	718.7	648.5	118.05	15.1000	0.517
	5.50	756.0	685.8	118.39	13.8182	0.572
	6.00	789.8	719.5	118.74	12.7500	0.624
	6.50	819.3	749.1	119.07	11.8462	0.671
	7.00	846.9	776.7	119.32	11.0714	0.717
	7.50	872.4	802.2	119.42	10.4000	0.761
	8.00	895.2	824.9	119.47	9.8125	0.801
	8.50	915.4	845.2	119.47	9.2941	0.838
	9.00	933.6	863.4	119.50	8.8333	0.872
	9.50	950.3	880.1	119.57	8.4211	0.903
	10.00	965.5	895.3	119.66	8.0500	0.932
	10.50	979.3	909.1	119.78	7.7143	0.959
	11.00	992.2	921.9	119.88	7.4091	0.984
	11.50	1004.0	933.8	120.03	7.1304	1.008
	12.00	1015.0	944.8	120.17	6.8750	1.030
	12.50	1025.3	955.0	120.30	6.6400	1.051
	13.00	1034.7	964.5	120.41	6.4231	1.071
	13.50	1043.5	973.2	120.53	6.2222	1.089
	14.00	1051.9	981.7	120.63	6.0357	1.107
	14.50	1059.7	989.4	120.73	5.8621	1.123
	15.00	1067.1	996.9	120.81	5.7000	1.139
	15.50	1074.1	1003.9	120.89	5.5484	1.154
	16.00	1080.6	1010.4	120.94	5.4062	1.168
	16.50	1086.8	1016.5	121.00	5.2727	1.181
	17.00	1092.6	1022.3	121.04	5.1471	1.194
	17.50	1098.2	1027.9	121.09	5.0286	1.206
	18.00	1103.5	1033.2	121.14	4.9167	1.218
	18.50	1108.4	1038.2	121.15	4.8108	1.229
	19.00	1113.1	1042.9	121.19	4.7105	1.239
	19.50	1117.7	1047.5	121.19	4.6154	1.249
	20.00	1122.0	1051.8	121.22	4.5250	1.259
	20.50	1126.2	1056.0	121.23	4.4390	1.268

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
21.00	1130.1	1059.8	121.23	4.3571	1.277
21.50	1133.9	1063.6	121.24	4.2791	1.286
22.00	1137.4	1067.1	121.24	4.2045	1.294
22.50	1140.8	1070.6	121.24	4.1333	1.301
23.00	1144.2	1073.9	121.25	4.0652	1.309
23.50	1147.4	1077.1	121.24	4.0000	1.316
24.00	1150.4	1080.2	121.25	3.9375	1.323
24.50	1153.5	1083.3	121.24	3.8776	1.331
25.00	1156.3	1086.0	121.24	3.8200	1.337
25.50	1159.0	1088.7	121.24	3.7647	1.343
26.00	1161.6	1091.4	121.22	3.7115	1.349
26.50	1164.0	1093.7	121.24	3.6604	1.355
27.00	1166.6	1096.3	121.23	3.6111	1.361
27.50	1168.9	1098.6	121.22	3.5636	1.366
28.00	1171.1	1100.9	121.23	3.5179	1.372
28.50	1173.4	1103.1	121.22	3.4737	1.377
29.00	1175.4	1105.2	121.21	3.4310	1.382
29.50	1177.5	1107.3	121.21	3.3898	1.387
30.00	1179.4	1109.2	121.20	3.3500	1.391
30.50	1181.4	1111.2	121.20	3.3115	1.396
31.00	1183.2	1113.0	121.19	3.2742	1.400
31.50	1185.0	1114.7	121.19	3.2381	1.404
32.00	1186.6	1116.4	121.20	3.2031	1.408
32.50	1188.3	1118.1	121.18	3.1692	1.412
33.00	1190.0	1119.8	121.18	3.1364	1.416
33.50	1191.6	1121.4	121.17	3.1045	1.420
34.00	1193.2	1123.0	121.18	3.0735	1.424
34.50	1194.6	1124.4	121.17	3.0435	1.427
35.00	1196.1	1125.9	121.16	3.0143	1.431
35.50	1197.6	1127.4	121.17	2.9859	1.434
36.00	1198.9	1128.7	121.16	2.9583	1.437
36.50	1200.3	1130.1	121.15	2.9315	1.441
37.00	1201.6	1131.3	121.16	2.9054	1.444
37.50	1202.9	1132.7	121.17	2.8800	1.447
38.00	1204.2	1133.9	121.16	2.8553	1.450
38.50	1205.3	1135.0	121.15	2.8312	1.453
39.00	1206.5	1136.2	121.15	2.8077	1.456
39.50	1207.7	1137.5	121.14	2.7848	1.459
40.00	1208.9	1138.6	121.15	2.7625	1.461
40.50	1209.9	1139.7	121.14	2.7407	1.464
41.00	1211.0	1140.7	121.14	2.7195	1.466
41.50	1211.9	1141.7	121.15	2.6988	1.469
42.00	1212.9	1142.7	121.14	2.6786	1.471
42.50	1213.9	1143.7	121.14	2.6588	1.474
43.00	1214.8	1144.6	121.15	2.6395	1.476
43.50	1215.8	1145.5	121.15	2.6207	1.478
44.00	1216.6	1146.4	121.15	2.6023	1.480
44.50	1217.4	1147.2	121.15	2.5843	1.482
45.00	1218.3	1148.0	121.17	2.5667	1.484
45.50	1219.1	1148.9	121.21	2.5495	1.486
46.00	1220.1	1149.8	121.01	2.5326	1.489

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97

TIME: 03:28:14

Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	P	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
46.50	1220.8	1150.6		121.13	2.5161	1.490
47.00	1221.6	1151.3		121.15	2.5000	1.492
47.50	1222.3	1152.1		121.15	2.4842	1.494
48.00	1223.2	1152.9		121.16	2.4688	1.496
48.50	1224.0	1153.8		121.16	2.4536	1.498
49.00	1224.6	1154.3		121.16	2.4388	1.500
49.50	1225.3	1155.0		121.17	2.4242	1.501
50.00	1226.0	1155.8		121.17	2.4100	1.503
50.50	1226.7	1156.4		121.17	2.3960	1.505
51.00	1227.4	1157.2		121.17	2.3824	1.507
51.50	1228.1	1157.9		121.17	2.3689	1.508
52.00	1228.8	1158.5		121.18	2.3558	1.510
52.50	1229.4	1159.1		121.18	2.3429	1.511
53.00	1230.0	1159.7		121.18	2.3302	1.513
53.50	1230.5	1160.3		121.20	2.3178	1.514
54.00	1231.2	1161.0		121.19	2.3056	1.516
54.50	1231.8	1161.6		121.20	2.2936	1.517
55.00	1232.4	1162.1		121.19	2.2818	1.519
55.50	1232.8	1162.6		121.19	2.2703	1.520
56.00	1233.5	1163.2		121.19	2.2589	1.521
56.50	1234.0	1163.7		121.18	2.2478	1.523
57.00	1234.4	1164.2		121.21	2.2368	1.524
57.50	1234.9	1164.7		121.17	2.2261	1.525
58.00	1235.5	1165.3		121.21	2.2155	1.526
58.50	1235.9	1165.7		121.19	2.2051	1.527
59.00	1236.5	1166.3		121.21	2.1949	1.529
59.50	1236.8	1166.6		121.21	2.1849	1.530
60.00	1237.5	1167.3		121.21	2.1750	1.531
60.50	1237.8	1167.5		121.22	2.1653	1.532
61.00	1238.3	1168.1		121.22	2.1557	1.534
61.50	1238.8	1168.6		121.22	2.1463	1.535
62.00	1239.2	1168.9		121.23	2.1371	1.536
62.50	1239.6	1169.4		121.22	2.1280	1.537
63.00	1240.1	1169.9		121.23	2.1190	1.538
63.50	1240.4	1170.2		121.24	2.1102	1.539
64.00	1240.8	1170.5		121.24	2.1016	1.540
64.50	1241.4	1171.1		121.23	2.0930	1.541
65.00	1241.7	1171.5		121.24	2.0846	1.542
65.50	1242.1	1171.9		121.25	2.0763	1.543
66.00	1242.5	1172.2		121.25	2.0682	1.544
66.50	1242.8	1172.6		121.26	2.0602	1.545
67.00	1243.1	1172.9		121.25	2.0522	1.545
67.50	1243.6	1173.3		121.26	2.0444	1.546
68.00	1243.8	1173.6		121.27	2.0368	1.547
68.50	1244.2	1174.0		121.26	2.0292	1.548
69.00	1244.6	1174.3		121.27	2.0217	1.549
69.50	1244.9	1174.7		121.28	2.0144	1.550
70.00	1245.2	1175.0		121.29	2.0071	1.551
70.50	1245.5	1175.2		121.27	2.0000	1.551
71.00	1245.8	1175.6		121.28	1.9930	1.552
71.50	1246.1	1175.8		121.29	1.9860	1.553

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

DATE: 04/22/97                      TIME: 03:28:14  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	72.00	1246.4	1176.2	121.29	1.9792	1.554
	72.50	1246.6	1176.3	121.30	1.9724	1.554
	73.00	1246.9	1176.7	121.29	1.9658	1.555
	73.50	1247.4	1177.2	121.29	1.9592	1.556
	74.00	1247.6	1177.3	121.30	1.9527	1.556
	74.50	1247.7	1177.5	121.31	1.9463	1.557
	75.00	1248.2	1177.9	121.31	1.9400	1.558
	75.50	1248.3	1178.1	121.31	1.9338	1.558
***** End Shut-in 2	76.00	1248.6	1178.3	121.32	1.9276	1.559
***** Final Hydro.	321.50	1956.5	0.0	121.44		

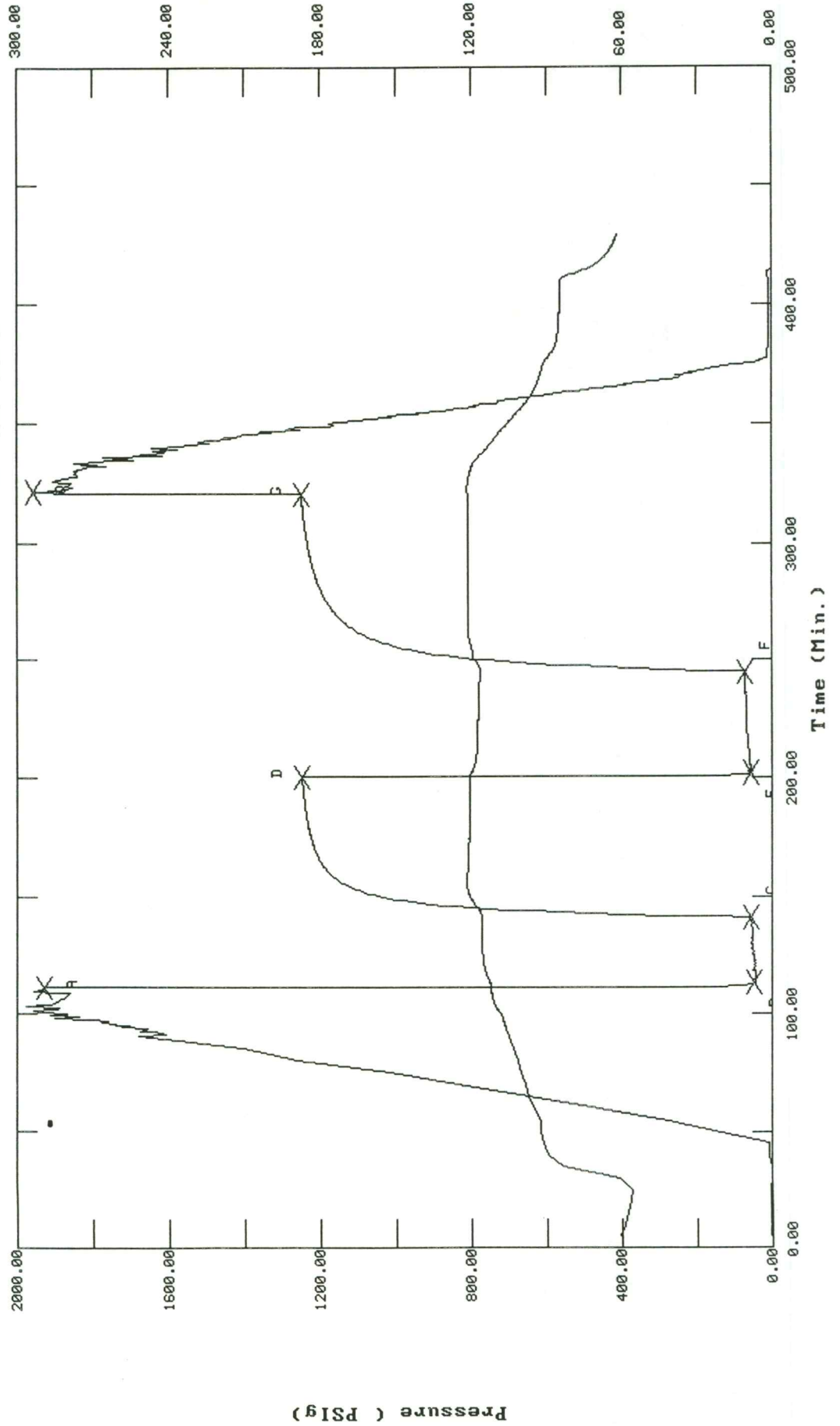
# TEST HISTORY

Tk# 10004 DST#3 Greenleaf Ranch #4 American Energies.

## Flag Points

t (Min.) P (PSIg)

A:	0.00	1927.65
B:	0.00	45.48
C:	28.00	52.53
D:	59.50	1247.49
E:	0.00	55.97
F:	42.50	70.24
G:	76.00	1248.59
Q:	0.00	1956.52





# TRILOBITE TESTING


P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

## GAS VOLUME REPORT

American Energies Corp. OPERATOR Greenleaf Ranch #4 WELL NAME AND NO.

#3  
DST NO.

Tool open at 5:16 AM

Low Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
Gas To Surface 11 min Initial 33,700							
5	50 in	1/2"	44,300				
10	80 in	1/2"	56,100				
15	3.5 lb.	1/2"	64,000				
19	3.0 lb.	1/2"	59,200				
Flow Initial 94,500							
5	5 lb.	1/2"	78,100				
10	3 lb.	1/2"	59,200				
15	74 in	1/2"	53,900				
20	72 in	1/2"	53,200				
25	70 in	1/2"	52,400				
30	68 in	1/2"	51,700				
35	68 in	1/2"	51,700				
40	68 in	1/2"	51,700				
45	68 in	1/2"	51,700				
							

Remarks: