

WELL NAME: Moran #1
COMPANY: American Energies Corp
LOCATION: 20-27S-6W
Kingman County Kansas
DATE: 05/20/97

TRILOBITE TESTING L.L.C.

OPERATOR : American Energies Corp.

DATE 05-17-97

WELL NAME: Moran #1

KB 1546.00 ft

TICKET NO: 9716

DST #1

LOCATION : Sec 20 Twp.27s Rge.06w Ks

GR 1541.00 ft

FORMATION: Miss

INTERVAL : 3831.00 To 3843.00 ft

TD 3843.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10248	10248	3030			PF Fr. 0425 to 0455 hr
SI 60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0455 to 0555 hr
SF 30	Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 0555 to 0625 hr
FS 60	Depth(ft)	3840.0	3840.0	3837.0	0.0	0.0	FS Fr. 0625 to 0725 hr

	Field	1	2	3	4	
A. Init Hydro	1931.0	1921.0	1927.0	0.0	0.0	T STARTED 0243 hr
B. First Flow	23.0	29.0	19.0	0.0	0.0	T ON BOTM 0420 hr
B1. Final Flow	23.0	29.0	29.0	0.0	0.0	T OPEN 0425 hr
C. In Shut-in	997.0	1000.0	1011.0	0.0	0.0	T PULLED 0729 hr
D. Init Flow	30.0	39.0	28.0	0.0	0.0	T OUT 0908 hr
E. Final Flow	30.0	39.0	39.0	0.0	0.0	
F. Fl Shut-in	968.0	973.0	982.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1887.0	1890.0	1913.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 48000.00 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 30.00 ft
						D.P. Length 3797.00 ft

RECOVERY

Tot Fluid 75.00 ft of 30.00 ft in DC and 45.00 ft in DP
 75.00 ft of Watery Mud
 0.00 ft of 17%water 83%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-----12
 SALINITY 12000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	46.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
 Strong blow, bottom of bucket in 20sec
 Gas To Surface in 29 miuntes

Initial Shut In:
 Fair blow

Final Flow:
 Strong blow, See Gas Volume Report

Final Shut In:
 Fair blow.

SAMPLES: gas sample
 SENT TO: not sent

Amt. of fill	1.00 ft
Btm. H. Temp.	118.00 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.	Doug Davis
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Moran #1

LOCATION : Sec 20 Twp.27s Rge.06w Ks

TICKET No. 9716 D.S.T. No. 1 DATE 05-17-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 38

C. ABOVE TOOLS.Stands Single 1 Total 30

P. ABOVE TOOLS.Stands 61 Single Total 3797

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3865

TOTAL DEPTH 3843

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS:

P.O. SUB	
C.O. SUB Top of tool @	3805
S.I. TOOL H & T	3811
HMV Sterling	3816
JARS Sterling	3820
SAFETY JOINT Bowen	3822
PACKER Top	3826
PACKER Bottom	3831
DEPTH	3831
STUBB 1'	3832
ANCHOR	
perfs 5 ft. to	3837
Alpine rec. @	3837
1 ft. perfs to	3838
T.C.	
DEPTH	
AK-1 rec. @	3840
BULLNOSE 5 ft. perforated	3843
T.D.	

GAS RECOVERY

COMPANY: American Energies Corp.

DATE: 05-17-97

WELL NAME: Moran #1

KB Elev: 1546.00 ft TICKET #9716

DST #1

WELL LOCATION: Sec 20 Twp.27s Rge.06w Ks

GR Elev: 1541.00 ft FORMATION: Miss

INTERVAL Fr.: 3831.00 To 3843.00 T.D.: 3843.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	4	0	19500.0
10	0.25	4	0	19500.0
20	0.25	5	0	20700.0
30	0.25	5	0	20700.0

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9716 DST#1 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 02:43:00

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	97.00	1927.1	0.0	112.56		
***** Start Flow 1	0.00	19.1	0.0	113.09		
	1.00	19.4	0.3	113.33		
	2.00	29.3	10.2	113.58		
	3.00	20.6	1.5	113.79		
	4.00	26.9	7.8	113.94		
	5.00	30.2	11.2	114.07		
	6.00	23.4	4.3	114.26		
	7.00	24.4	5.3	114.47		
	8.00	25.3	6.2	114.67		
	9.00	25.0	5.9	114.86		
	10.00	25.6	6.5	115.07		
	11.00	26.1	7.0	115.29		
	12.00	26.3	7.2	115.48		
	13.00	26.5	7.4	115.64		
	14.00	26.7	7.7	115.78		
	15.00	27.1	8.0	115.89		
	16.00	27.0	7.9	115.98		
	17.00	27.1	8.0	116.06		
	18.00	27.2	8.2	116.12		
	19.00	27.3	8.2	116.16		
	20.00	27.4	8.4	116.19		
	21.00	27.5	8.4	116.21		
	22.00	27.7	8.6	116.21		
	23.00	27.9	8.9	116.21		
	24.00	28.0	8.9	116.21		
	25.00	28.2	9.1	116.20		
	26.00	28.4	9.4	116.20		
	27.00	28.6	9.6	116.18		
	28.00	28.9	9.8	116.17		
	29.00	29.1	10.0	116.15		
***** End Flow 1	30.00	29.3	10.3	116.13		
***** Start Shutin 1	0.00	29.3	0.0	116.13	0.0000	0.001
	1.00	180.0	150.6	116.12	31.0000	0.032
	2.00	324.5	295.2	116.15	16.0000	0.105
	3.00	436.6	407.3	116.20	11.0000	0.191
	4.00	526.5	497.2	116.27	8.5000	0.277
	5.00	599.6	570.3	116.33	7.0000	0.360
	6.00	659.7	630.3	116.40	6.0000	0.435
	7.00	709.3	680.0	116.45	5.2857	0.503
	8.00	750.6	721.3	116.50	4.7500	0.563
	9.00	785.3	755.9	116.54	4.3333	0.617
	10.00	814.6	785.2	116.58	4.0000	0.664
	11.00	839.4	810.1	116.62	3.7273	0.705
	12.00	860.8	831.4	116.66	3.5000	0.741
	13.00	878.8	849.5	116.70	3.3077	0.772
	14.00	894.5	865.2	116.73	3.1429	0.800
	15.00	908.2	878.9	116.77	3.0000	0.825
	16.00	920.1	890.7	116.80	2.8750	0.847
	17.00	930.4	901.1	116.83	2.7647	0.866
	18.00	939.3	910.0	116.87	2.6667	0.882

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 05/17/97

TIME: 02:43:00

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	19.00	947.2	917.9	116.90	2.5789	0.897
	20.00	954.0	924.7	116.93	2.5000	0.910
	21.00	960.0	930.7	116.96	2.4286	0.922
	22.00	965.2	935.9	117.00	2.3636	0.932
	23.00	969.8	940.4	117.03	2.3043	0.940
	24.00	973.7	944.4	117.06	2.2500	0.948
	25.00	977.2	947.8	117.09	2.2000	0.955
	26.00	980.2	950.9	117.12	2.1538	0.961
	27.00	982.8	953.5	117.16	2.1111	0.966
	28.00	985.2	955.8	117.19	2.0714	0.971
	29.00	987.5	958.2	117.22	2.0345	0.975
	30.00	989.2	959.9	117.25	2.0000	0.979
	31.00	990.3	960.9	117.28	1.9677	0.981
	32.00	991.4	962.1	117.31	1.9375	0.983
	33.00	992.7	963.4	117.35	1.9091	0.985
	34.00	993.9	964.5	117.38	1.8824	0.988
	35.00	995.0	965.7	117.42	1.8571	0.990
	36.00	996.1	966.8	117.44	1.8333	0.992
	37.00	997.4	968.1	117.46	1.8108	0.995
	38.00	998.4	969.1	117.50	1.7895	0.997
	39.00	999.5	970.2	117.53	1.7692	0.999
	40.00	1000.3	971.0	117.55	1.7500	1.001
	41.00	1001.2	971.9	117.58	1.7317	1.002
	42.00	1002.2	972.9	117.61	1.7143	1.004
	43.00	1003.0	973.7	117.63	1.6977	1.006
	44.00	1003.7	974.4	117.67	1.6818	1.007
	45.00	1004.4	975.0	117.70	1.6667	1.009
	46.00	1005.3	975.9	117.73	1.6522	1.011
	47.00	1005.8	976.5	117.76	1.6383	1.012
	48.00	1006.4	977.1	117.80	1.6250	1.013
	49.00	1006.9	977.5	117.83	1.6122	1.014
	50.00	1007.4	978.1	117.86	1.6000	1.015
	51.00	1007.9	978.5	117.89	1.5882	1.016
	52.00	1008.3	979.0	117.92	1.5769	1.017
	53.00	1008.7	979.4	117.94	1.5660	1.017
	54.00	1009.1	979.8	117.97	1.5556	1.018
	55.00	1009.5	980.1	118.01	1.5455	1.019
	56.00	1009.7	980.4	118.03	1.5357	1.020
	57.00	1010.0	980.7	118.06	1.5263	1.020
	58.00	1010.1	980.8	118.09	1.5172	1.020
	59.00	1010.5	981.1	118.12	1.5085	1.021
***** End Shut-in 1	60.00	1010.7	981.3	118.14	1.5000	1.021
***** Start Flow 2	0.00	28.4	0.0	118.13		
	1.00	30.3	1.9	118.02		
	2.00	31.3	2.9	117.91		
	3.00	31.9	3.5	117.84		
	4.00	33.9	5.5	117.80		
	5.00	35.5	7.1	117.76		
	6.00	33.3	4.9	117.73		
	7.00	33.3	4.9	117.70		
	8.00	34.8	6.4	117.65		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9716 DST#1 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 02:43:00

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6	
9.00	34.2	5.8	117.61			
10.00	34.9	6.5	117.56			
11.00	34.9	6.5	117.48			
12.00	34.8	6.4	117.41			
13.00	35.9	7.5	117.34			
14.00	36.0	7.6	117.28			
15.00	36.1	7.8	117.23			
16.00	36.3	7.9	117.16			
17.00	36.7	8.3	117.12			
18.00	37.0	8.6	117.06			
19.00	37.2	8.9	117.02			
20.00	37.4	9.1	116.96			
21.00	37.4	9.0	116.91			
22.00	37.6	9.3	116.87			
23.00	37.8	9.4	116.82			
24.00	38.0	9.6	116.78			
25.00	38.3	10	116.74			
26.00	38.4	10.1	116.71			
27.00	38.7	10.4	116.67			
28.00	38.9	10.5	116.64			
29.00	38.9	10.5	116.59			
***** End Flow 2						
***** Start Shutin 2	0.00	38.9	0.0	116.59	0.0000	0.002
	1.00	156.8	117.9	116.57	60.0000	0.025
	2.00	307.7	268.8	116.59	30.5000	0.095
	3.00	416.4	377.5	116.65	20.6667	0.173
	4.00	498.7	459.8	116.71	15.7500	0.249
	5.00	563.2	524.3	116.79	12.8000	0.317
	6.00	614.5	575.6	116.86	10.8333	0.378
	7.00	656.5	617.5	116.93	9.4286	0.431
	8.00	691.2	652.2	116.99	8.3750	0.478
	9.00	720.3	681.4	117.05	7.5556	0.519
	10.00	745.1	706.2	117.09	6.9000	0.555
	11.00	766.6	727.7	117.13	6.3636	0.588
	12.00	785.2	746.3	117.16	5.9167	0.617
	13.00	801.5	762.5	117.19	5.5385	0.642
	14.00	816.0	777.1	117.21	5.2143	0.666
	15.00	828.9	790.0	117.24	4.9333	0.687
	16.00	840.5	801.6	117.26	4.6875	0.706
	17.00	850.9	812.0	117.29	4.4706	0.724
	18.00	860.4	821.5	117.31	4.2778	0.740
	19.00	868.9	830.0	117.34	4.1053	0.755
	20.00	876.7	837.8	117.36	3.9500	0.769
	21.00	883.9	845.0	117.39	3.8095	0.781
	22.00	890.6	851.7	117.41	3.6818	0.793
	23.00	897.0	858.0	117.43	3.5652	0.805
	24.00	902.7	863.8	117.45	3.4583	0.815
	25.00	908.0	869.1	117.47	3.3600	0.824
	26.00	912.9	873.9	117.48	3.2692	0.833
	27.00	917.3	878.4	117.51	3.1852	0.841
	28.00	921.6	882.7	117.54	3.1071	0.849
	29.00	925.6	886.6	117.56	3.0345	0.857

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9716 DST#1 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 02:43:00

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	30.00	929.2	890.3	117.59	2.9667	0.863
	31.00	932.9	894.0	117.61	2.9032	0.870
	32.00	936.2	897.3	117.64	2.8438	0.877
	33.00	939.5	900.6	117.66	2.7879	0.883
	34.00	942.5	903.5	117.69	2.7353	0.888
	35.00	945.1	906.2	117.71	2.6857	0.893
	36.00	947.7	908.7	117.74	2.6389	0.898
	37.00	950.0	911.0	117.76	2.5946	0.902
	38.00	952.0	913.1	117.79	2.5526	0.906
	39.00	954.0	915.1	117.82	2.5128	0.910
	40.00	955.9	916.9	117.84	2.4750	0.914
	41.00	957.5	918.6	117.86	2.4390	0.917
	42.00	959.1	920.2	117.89	2.4048	0.920
	43.00	960.6	921.7	117.91	2.3721	0.923
	44.00	962.0	923.1	117.94	2.3409	0.925
	45.00	963.4	924.5	117.97	2.3111	0.928
	46.00	964.8	925.9	117.99	2.2826	0.931
	47.00	966.0	927.1	118.02	2.2553	0.933
	48.00	967.2	928.3	118.04	2.2292	0.935
	49.00	968.3	929.4	118.06	2.2041	0.938
	50.00	969.5	930.6	118.08	2.1800	0.940
	51.00	970.6	931.6	118.12	2.1569	0.942
	52.00	971.7	932.8	118.14	2.1346	0.944
	53.00	972.7	933.7	118.17	2.1132	0.946
	54.00	973.7	934.8	118.19	2.0926	0.948
	55.00	974.7	935.8	118.21	2.0727	0.950
	56.00	975.5	936.6	118.24	2.0536	0.952
	57.00	976.3	937.4	118.26	2.0351	0.953
	58.00	977.1	938.2	118.28	2.0172	0.955
	59.00	977.9	939.0	118.31	2.0000	0.956
	60.00	978.8	939.9	118.33	1.9833	0.958
	61.00	979.6	940.6	118.36	1.9672	0.960
	62.00	980.2	941.3	118.38	1.9516	0.961
	63.00	980.9	942.0	118.41	1.9365	0.962
***** End Shut-in 2	64.00	981.6	942.7	118.43	1.9219	0.964
***** Final Hydro.	285.00	1913.1	0.0	118.53		

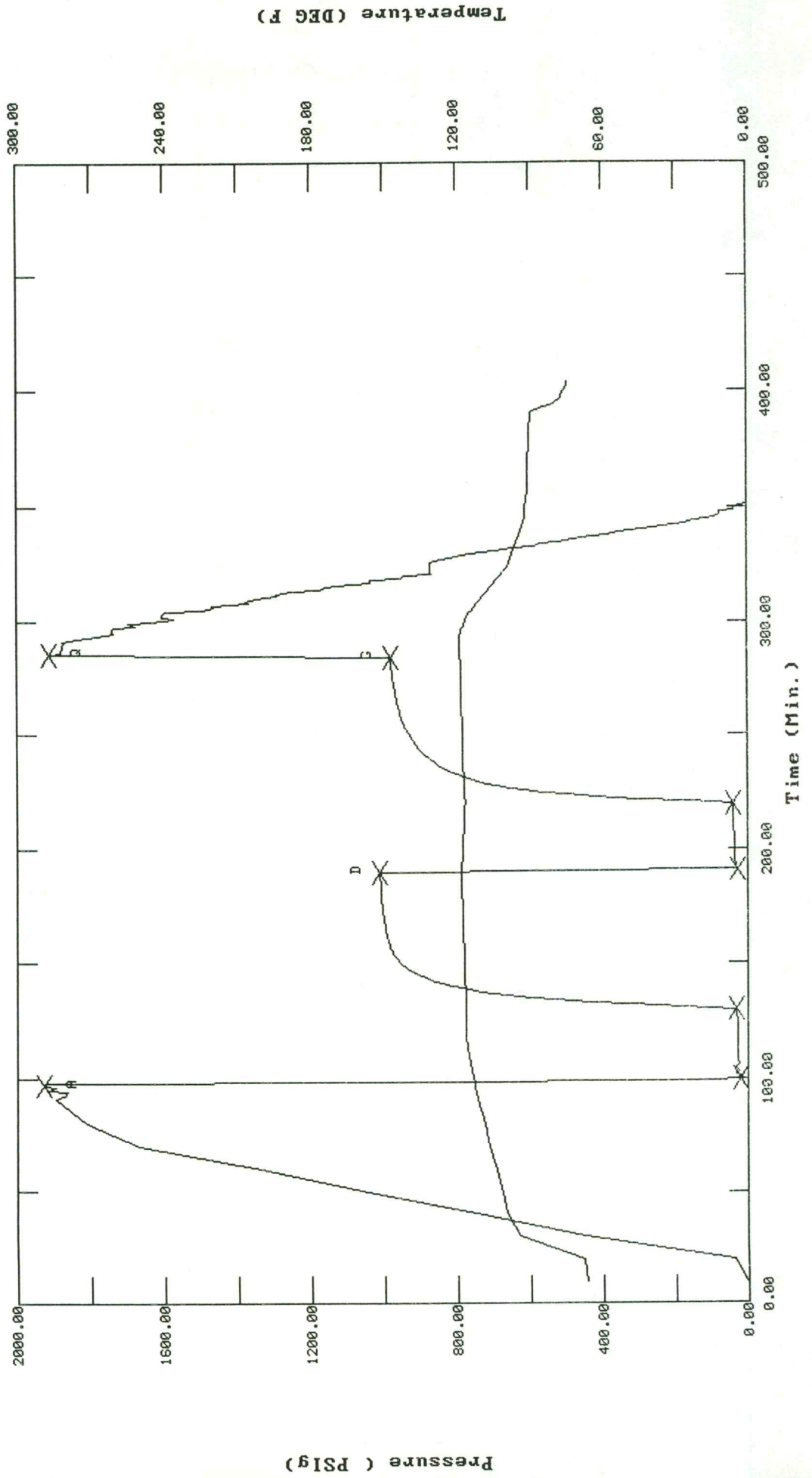
TEST HISTORY

9716 DST#1 MORAN #1 AMERICAN ENERGIES CORP.

Flag Points

t (Min.) P (PSig)

A:	0.00	1927.06
B:	0.00	19.07
C:	30.00	29.32
D:	60.00	1010.66
E:	0.00	28.38
F:	29.00	38.92
G:	64.00	981.60
Q:	0.00	1913.15



TRILOBITE TESTING L.L.C.

OPERATOR : American Energies Corp. DATE 05-17-97
 WELL NAME: Moran #1 KB 1546.00 ft TICKET NO: 9717 DST #2
 LOCATION : Sec 20 Twp.27s Rge.06w Ks GR 1541.00 ft FORMATION: Miss
 INTERVAL : 3838.00 To 3848.00 ft TD 3848.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	3030			PF Fr. 1535 to 1605 hr
SI 60 Range (Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1605 to 1705 hr
SF 30 Clock (hrs)	12hr.	12hr.	Elec			SF Fr. 1705 to 1735 hr
FS 60 Depth(ft)	3845.0	3845.0	3844.0	0.0	0.0	FS Fr. 1735 to 1835 hr

	Field	1	2	3	4	
A. Init Hydro	1964.0	2039.0	1926.0	0.0	0.0	T STARTED 1406 hr
B. First Flow	25.0	46.0	30.0	0.0	0.0	T ON BOTM 1530 hr
B1. Final Flow	28.0	46.0	36.0	0.0	0.0	T OPEN 1535 hr
C. In Shut-in	1122.0	1133.0	1133.0	0.0	0.0	T PULLED 1836 hr
D. Init Flow	30.0	57.0	34.0	0.0	0.0	T OUT 2040 hr
E. Final Flow	32.0	57.0	48.0	0.0	0.0	
F. Fl Shut-in	1045.0	1056.0	1056.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1876.0	1956.0	1879.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 46000.00 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 30.00 ft
						D.P. Length 3800.00 ft

RECOVERY

Tot Fluid 90.00 ft of 30.00 ft in DC and 60.00 ft in DP
 90.00 ft of Watery Mud
 0.00 ft of 23%water 77%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-----10
 SALINITY 15000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow, bottom of bucket in 20sec

Initial Shut In:
 Fair blow, Gas to Surface 42 minutes
 in to shut in

Final Flow:
 Strong blow, See Gas Volume Report

Final Shut In:
 Fair blow

SAMPLES: gas sample
 SENT TO: not sent

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.20 in
Mud Drop N	

Amt. of fill	2.00 ft
Btm. H. Temp.	117.00 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.	Doug Davis
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Moran #1

LOCATION : Sec 20 Twp.27s Rge.06w Ks

TICKET No. 9717 D.S.T. No. 2 DATE 05-17-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 36

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 36

D.C. ABOVE TOOLS.Stands Single 1 Total 30

D.P. ABOVE TOOLS.Stands61 Single Total 3800

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3866

TOTAL DEPTH 3848

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB	
C.O. SUB Top of tool @	3812
S.I. TOOL H & T	3818
HMV Sterling	3823
JARS Sterling	3827
SAFETY JOINT Bowen	3829
PACKER Top	3833
PACKER Bottom	3838
DEPTH 3838	
STUBB 1'	3839
ANCHOR	
perfs 4 ft. to	3843
Alpine rec. @	3844
T.C.	
DEPTH	
AK-1 rec. @	3845
BULLNOSE 5 ft. perforated	3848
T.D.	

GAS RECOVERY

COMPANY: American Energies Corp.

DATE: 05-17-97

WELL NAME: Moran #1

KB Elev: 1546.00 ft TICKET #9717

DST #2

WELL LOCATION: Sec 20 Twp.27s Rge.06w Ks

GR Elev: 1541.00 ft FORMATION: Miss

INTERVAL Fr.: 3838.00 To 3848.00 T.D.: 3848.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	5	0	20700.0
10	0.25	4	0	19500.0
20	0.25	4	0	19500.0
30	0.25	4	0	19500.0

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9717 DST#2 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 14:06:08

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	84.00	1926.1	0.0	106.56		
***** Start Flow 1	0.00	30.0	0.0	107.05		
	1.00	28.4	-1.7	107.64		
	2.00	27.0	-3.0	108.24		
	3.00	27.7	-2.3	108.73		
	4.00	30.7	0.7	109.09		
	5.00	27.2	-2.8	109.35		
	6.00	27.5	-2.5	109.58		
	7.00	28.0	-2.0	109.83		
	8.00	28.4	-1.6	110.11		
	9.00	29.3	-0.7	110.41		
	10.00	29.9	-0.1	110.68		
	11.00	30.3	0.3	110.92		
	12.00	30.9	0.9	111.10		
	13.00	31.4	1.4	111.25		
	14.00	31.8	1.8	111.40		
	15.00	32.1	2.1	111.61		
	16.00	32.0	2.0	111.83		
	17.00	32.5	2.5	112.02		
	18.00	33.0	3.0	112.17		
	19.00	33.3	3.3	112.30		
	20.00	33.6	3.5	112.41		
	21.00	33.8	3.8	112.51		
	22.00	34.1	4.1	112.60		
	23.00	34.4	4.4	112.69		
	24.00	34.6	4.6	112.77		
	25.00	34.6	4.6	112.85		
	26.00	34.9	4.9	112.92		
	27.00	35.2	5.2	113.01		
	28.00	36.1	6.0	113.09		
	29.00	35.3	5.2	113.17		
	30.00	35.6	5.5	113.24		
***** End Flow 1	31.00	35.8	5.8	113.32		
***** Start Shutin 1	0.00	35.8	0.0	113.32	0.0000	0.001
	1.00	134.8	99.0	113.39	32.0000	0.018
	2.00	221.4	185.6	113.46	16.5000	0.049
	3.00	291.9	256.1	113.53	11.3333	0.085
	4.00	351.3	315.5	113.59	8.7500	0.123
	5.00	402.5	366.7	113.64	7.2000	0.162
	6.00	447.3	411.5	113.69	6.1667	0.200
	7.00	487.1	451.3	113.74	5.4286	0.237
	8.00	522.3	486.5	113.79	4.8750	0.273
	9.00	554.0	518.2	113.83	4.4444	0.307
	10.00	582.6	546.8	113.88	4.1000	0.339
	11.00	608.3	572.5	113.92	3.8182	0.370
	12.00	632.1	596.3	113.97	3.5833	0.400
	13.00	653.8	618.0	114.02	3.3846	0.427
	14.00	673.4	637.6	114.06	3.2143	0.454
	15.00	691.4	655.6	114.10	3.0667	0.478
	16.00	707.9	672.1	114.14	2.9375	0.501
	17.00	723.2	687.5	114.18	2.8235	0.523

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9717 DST#2 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 14:06:08

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.00	737.6	701.8	114.22	2.7222	0.544
19.00	751.4	715.6	114.27	2.6316	0.565
20.00	764.6	728.8	114.31	2.5500	0.585
21.00	777.0	741.2	114.35	2.4762	0.604
22.00	788.3	752.5	114.40	2.4091	0.621
23.00	799.0	763.2	114.47	2.3478	0.638
24.00	827.1	791.3	114.54	2.2917	0.684
25.00	863.7	827.9	114.60	2.2400	0.746
26.00	891.1	855.3	114.66	2.1923	0.794
27.00	919.4	883.6	114.71	2.1481	0.845
28.00	944.9	909.2	114.75	2.1071	0.893
29.00	970.8	935.0	114.78	2.0690	0.943
30.00	991.1	955.3	114.81	2.0333	0.982
31.00	1005.8	970.0	114.84	2.0000	1.012
32.00	1022.0	986.2	114.87	1.9688	1.044
33.00	1039.4	1003.6	114.90	1.9394	1.080
34.00	1054.7	1018.9	114.92	1.9118	1.112
35.00	1068.2	1032.4	114.95	1.8857	1.141
36.00	1073.3	1037.5	114.98	1.8611	1.152
37.00	1083.7	1047.9	115.00	1.8378	1.174
38.00	1094.5	1058.7	115.03	1.8158	1.198
39.00	1101.3	1065.5	115.06	1.7949	1.213
40.00	1106.4	1070.7	115.09	1.7750	1.224
41.00	1110.0	1074.2	115.11	1.7561	1.232
42.00	1118.8	1083.0	115.14	1.7381	1.252
43.00	1122.4	1086.6	115.16	1.7209	1.260
44.00	1119.7	1083.9	115.19	1.7045	1.254
45.00	1116.5	1080.7	115.21	1.6889	1.247
46.00	1115.3	1079.5	115.23	1.6739	1.244
47.00	1115.0	1079.2	115.26	1.6596	1.243
48.00	1115.3	1079.5	115.28	1.6458	1.244
49.00	1115.8	1080.0	115.30	1.6327	1.245
50.00	1117.3	1081.5	115.33	1.6200	1.248
51.00	1117.2	1081.4	115.35	1.6078	1.248
52.00	1118.9	1083.2	115.38	1.5962	1.252
53.00	1120.7	1084.9	115.41	1.5849	1.256
54.00	1122.4	1086.6	115.43	1.5741	1.260
55.00	1123.7	1087.9	115.46	1.5636	1.263
56.00	1125.1	1089.3	115.48	1.5536	1.266
57.00	1126.9	1091.1	115.50	1.5439	1.270
58.00	1129.5	1093.7	115.53	1.5345	1.276
59.00	1131.8	1096.0	115.56	1.5254	1.281
60.00	1133.0	1097.2	115.58	1.5167	1.284

***** End Shut-in 1

***** Start Flow 2

0.00	34.3	0.0	115.59
1.00	37.5	3.3	115.52
2.00	40.0	5.7	115.46
3.00	41.1	6.8	115.43
4.00	41.1	6.8	115.42
5.00	41.3	7.0	115.42
6.00	41.3	7.0	115.42
7.00	42.1	7.9	115.42

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9717 DST#2 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

TIME: 14:06:08

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
8.00	42.2	8.0	115.42			
9.00	42.5	8.2	115.42			
10.00	43.0	8.8	115.43			
11.00	43.6	9.4	115.44			
12.00	43.4	9.1	115.45			
13.00	43.8	9.5	115.46			
14.00	43.5	9.2	115.47			
15.00	43.7	9.4	115.48			
16.00	44.6	10.3	115.49			
17.00	44.9	10.6	115.50			
18.00	45.1	10.9	115.52			
19.00	45.3	11.1	115.54			
20.00	45.4	11.2	115.56			
21.00	45.7	11.4	115.58			
22.00	45.9	11.6	115.60			
23.00	46.2	11.9	115.61			
24.00	46.5	12.3	115.63			
25.00	46.6	12.4	115.65			
26.00	46.4	12.2	115.66			
27.00	46.9	12.6	115.68			
28.00	47.6	13.3	115.69			
29.00	47.8	13.6	115.71			
***** End Flow 2						
***** Start Shutin 2	0.00	47.8	0.0	115.71	0.0000	0.002
	1.00	167.8	120.0	115.72	61.0000	0.028
	2.00	332.2	284.4	115.74	31.0000	0.110
	3.00	453.8	406.0	115.74	21.0000	0.206
	4.00	548.6	500.7	115.75	16.0000	0.301
	5.00	623.5	575.7	115.76	13.0000	0.389
	6.00	675.2	627.3	115.78	11.0000	0.456
	7.00	713.8	665.9	115.81	9.5714	0.509
	8.00	748.2	700.4	115.84	8.5000	0.560
	9.00	778.3	730.5	115.86	7.6667	0.606
	10.00	804.8	756.9	115.90	7.0000	0.648
	11.00	828.1	780.3	115.93	6.4545	0.686
	12.00	848.7	800.9	115.95	6.0000	0.720
	13.00	867.1	819.2	115.98	5.6154	0.752
	14.00	883.3	835.5	116.00	5.2857	0.780
	15.00	898.0	850.2	116.03	5.0000	0.806
	16.00	911.2	863.4	116.06	4.7500	0.830
	17.00	923.1	875.3	116.08	4.5294	0.852
	18.00	934.0	886.2	116.11	4.3333	0.872
	19.00	943.8	896.0	116.14	4.1579	0.891
	20.00	952.7	904.8	116.16	4.0000	0.908
	21.00	960.2	912.4	116.18	3.8571	0.922
	22.00	966.9	919.0	116.21	3.7273	0.935
	23.00	973.0	925.2	116.23	3.6087	0.947
	24.00	978.9	931.0	116.26	3.5000	0.958
	25.00	984.3	936.5	116.28	3.4000	0.969
	26.00	989.2	941.4	116.31	3.3077	0.979
	27.00	993.8	945.9	116.33	3.2222	0.988
	28.00	998.0	950.2	116.35	3.1429	0.996

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9717 DST#2 MORAN #1 AMERICAN ENERGIES CORP.

DATE: 05/17/97

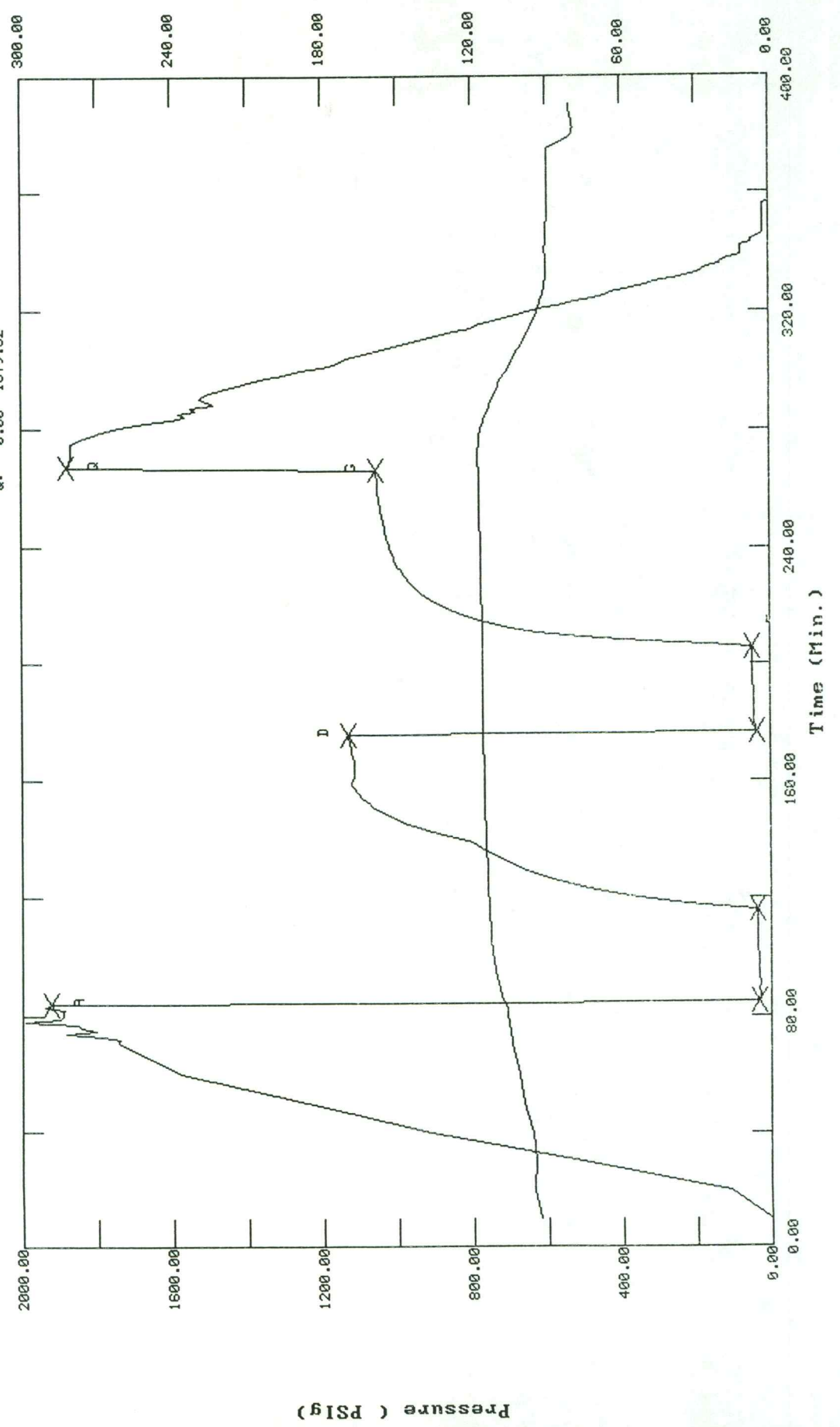
TIME: 14:06:08

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
29.00	1002.0	954.2	116.38	3.0690	1.004	
30.00	1005.8	958.0	116.41	3.0000	1.012	
31.00	1009.3	961.5	116.43	2.9355	1.019	
32.00	1012.6	964.7	116.45	2.8750	1.025	
33.00	1015.7	967.8	116.47	2.8182	1.032	
34.00	1018.5	970.7	116.49	2.7647	1.037	
35.00	1021.2	973.4	116.52	2.7143	1.043	
36.00	1023.7	975.8	116.54	2.6667	1.048	
37.00	1026.0	978.2	116.56	2.6216	1.053	
38.00	1028.1	980.3	116.59	2.5789	1.057	
39.00	1030.0	982.2	116.61	2.5385	1.061	
40.00	1031.9	984.1	116.64	2.5000	1.065	
41.00	1033.8	985.9	116.66	2.4634	1.069	
42.00	1035.6	987.7	116.69	2.4286	1.072	
43.00	1037.7	989.8	116.71	2.3953	1.077	
44.00	1039.6	991.7	116.73	2.3636	1.081	
45.00	1041.2	993.4	116.76	2.3333	1.084	
46.00	1042.8	995.0	116.78	2.3043	1.087	
47.00	1044.2	996.4	116.81	2.2766	1.090	
48.00	1045.5	997.7	116.83	2.2500	1.093	
49.00	1046.8	999.0	116.86	2.2245	1.096	
50.00	1048.3	1000.5	116.89	2.2000	1.099	
51.00	1049.7	1001.8	116.91	2.1765	1.102	
52.00	1050.8	1003.0	116.93	2.1538	1.104	
53.00	1051.3	1003.4	116.95	2.1321	1.105	
54.00	1051.9	1004.0	116.98	2.1111	1.106	
55.00	1052.3	1004.5	117.01	2.0909	1.107	
56.00	1052.9	1005.1	117.03	2.0714	1.109	
57.00	1053.6	1005.7	117.06	2.0526	1.110	
58.00	1054.3	1006.5	117.08	2.0345	1.112	
59.00	1055.1	1007.2	117.11	2.0169	1.113	
***** End Shut-in 2	60.00	1056.0	1008.2	117.13	2.0000	1.115
***** Final Hydro.	267.00	1879.3	0.0	117.16		

9717 DST#2 MORAN #1 AMERICAN ENERGIES CORP.

TEMPERATURE (DEG F)

- A: 0.00 1926.10
- B: 0.00 30.02
- C: 31.00 35.79
- D: 60.00 1133.03
- E: 0.00 34.27
- F: 29.00 47.83
- G: 60.00 1056.00
- Q: 0.00 1879.32



Pressure (PSIG)

Time (Min.)

