

Computer inventoried

15-167-23152

ORIGINAL

WELL NAME:

Nuss #1

COMPANY:

Pelican Hill Oil & Gas, Inc.

LOCATION:

33-14S-12W

DATE:

Russell County, Kansas

12/18/97

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil & Gas

DATE 12-15-97

WELL NAME: Nuss #1

KB 1744.00 ft

TICKET NO: 10858

DST #1

LOCATION : 33-14S-12W Russell Co. KS

GR 1739.00 ft

FORMATION: LKC A-B-C

INTERVAL : 2898.00 To 2945.00 ft

TD 2945.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11018	11018	3026			PF Fr. 1515 to 1545 hr
SI 45 Range(Psi)	4425.0	4425.0	4995.0	0.0	0.0	IS Fr. 1545 to 1630 hr
SF 45 Clock(hrs)	12	12	Elect			SF Fr. 1630 to 1715 hr
FS 60 Depth(ft)	2903.0	2903.0	2904.0	0.0	0.0	FS Fr. 1715 to 1815 hr

	Field	1	2	3	4	
A. Init Hydro	1360.0	1414.0	1425.0	0.0	0.0	T STARTED 1400 hr
B. First Flow	20.0	33.0	18.0	0.0	0.0	T ON BOTM 1510 hr
Bl. Final Flow	24.0	29.0	21.0	0.0	0.0	T OPEN 1515 hr
C. In Shut-in	887.0	889.0	953.0	0.0	0.0	T PULLED 1815 hr
D. Init Flow	24.0	22.0	22.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	28.0	20.0	31.0	0.0	0.0	
F. Fl Shut-in	890.0	848.0	929.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1340.0	1319.0	1405.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	I	i	o			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 28000.00 lbs
						Unseated Str Wt 30000.00 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 2877.00 ft

RECOVERY

Tot Fluid 40.00 ft of 0.00 ft in DC and 40.00 ft in DP
 50.00 ft of Gas in pipe
 40.00 ft of Gas & Oil cut Mud 5%gas 2%oil 93%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

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

BLOW DESCRIPTION

Initial Flow: Fair blow 3".

Final Flow: Fair blow 3".

SAMPLES:

SENT TO:

MUD DATA-----
 Mud Type Chem
 Weight 9.00 lb/cf
 Vis. 45.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 88.00 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 John Riedl
 Co. Rep. Randall Killian
 Contr. Vonfeldt
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Nuss #1

LOCATION : 33-14S-12W Russell Co. KS

TICKET No. 10858 D.S.T. No. 1 DATE 12-15-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 17

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 30

TOTAL ASSEMBLY 68

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands46 Single 1 Total 2905

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2973

TOTAL DEPTH 2945

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

P.O. SUB	
C.O. SUB Top of tool @	2879
S.I. TOOL H&T	2884
HMV Sterling	2889
JARS	
SAFETY JOINT	
PACKER	2893
PACKER	2898
DEPTH 2898	
STUBB 1'	2899
ANCHOR 1' Perfs	2900
AK-1 @2900	
3'perfs	2903
Alpine @2904	
1 joint of pipe	
& subs to	2935
T.C.	
DEPTH	
5' Perfs	2940
2' Perfs	2942
BULLNOSE 3' Bullplug	2945
T.D.	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10858 Pelican Hill Oil & Gas Nuss #1 DST #1

DATE: 12/15/97

TIME: 13:59:02

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	73.00	1425.1	0.0	81.70		
***** Start Flow 1	0.00	18.3	0.0	82.14		
	0.50	18.5	0.2	82.18		
	1.00	18.7	0.4	82.21		
	1.50	18.8	0.5	82.23		
	2.00	15.2	-3.1	82.26		
	2.50	17.0	-1.3	82.26		
	3.00	16.0	-2.3	82.27		
	3.50	17.6	-0.7	82.28		
	4.00	17.8	-0.6	82.29		
	4.50	17.5	-0.8	82.30		
	5.00	19.5	1.2	82.31		
	5.50	16.0	-2.3	82.32		
	6.00	18.1	-0.2	82.32		
	6.50	19.9	1.6	82.33		
	7.00	17.0	-1.3	82.35		
	7.50	19.2	0.8	82.35		
	8.00	20.1	1.8	82.35		
	8.50	18.2	-0.2	82.36		
	9.00	19.8	1.5	82.36		
	9.50	20.4	2.1	82.37		
	10.00	18.9	0.5	82.37		
	10.50	20.0	1.7	82.39		
	11.00	20.8	2.4	82.40		
	11.50	18.4	0.1	82.40		
	12.00	20.2	1.9	82.41		
	12.50	21.1	2.7	82.42		
	13.00	19.1	0.8	82.44		
	13.50	20.4	2.0	82.45		
	14.00	21.3	3.0	82.45		
	14.50	18.1	-0.2	82.47		
	15.00	20.6	2.2	82.48		
	15.50	21.6	3.3	82.49		
	16.00	19.6	1.3	82.51		
	16.50	20.0	1.7	82.52		
	17.00	21.2	2.9	82.53		
	17.50	22.0	3.7	82.55		
	18.00	19.7	1.4	82.56		
	18.50	21.2	2.9	82.57		
	19.00	22.3	3.9	82.58		
	19.50	19.2	0.9	82.60		
	20.00	21.5	3.1	82.61		
	20.50	22.3	3.9	82.63		
	21.00	19.3	0.9	82.63		
	21.50	21.2	2.9	82.64		
	22.00	22.7	4.3	82.67		
	22.50	20.2	1.9	82.68		
	23.00	21.1	2.7	82.69		
	23.50	22.7	4.3	82.70		
	24.00	22.4	4.1	82.73		
	24.50	21.0	2.7	82.74		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 12/15/97

TIME: 13:59:02

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	22.5	4.2	82.76		
	25.50	23.3	4.9	82.77		
	26.00	20.8	2.5	82.78		
	26.50	22.3	3.9	82.79		
	27.00	23.5	5.2	82.81		
	27.50	20.5	2.1	82.83		
	28.00	22.6	4.3	82.85		
	28.50	23.3	5.0	82.85		
	29.00	21.7	3.4	82.87		
***** End Flow 1	29.50	21.8	3.5	82.89		
***** Start Shutin 1	0.00	21.8	0.0	82.89	0.0000	0.000
	0.50	23.8	1.9	82.91	60.0000	0.001
	1.00	25.7	3.8	82.92	30.5000	0.001
	1.50	27.6	5.8	82.94	20.6667	0.001
	2.00	29.9	8.0	82.95	15.7500	0.001
	2.50	32.1	10.3	82.97	12.8000	0.001
	3.00	34.6	12.8	82.99	10.8333	0.001
	3.50	37.2	15.4	83.00	9.4286	0.001
	4.00	40.1	18.3	83.02	8.3750	0.002
	4.50	43.1	21.3	83.04	7.5556	0.002
	5.00	46.4	24.5	83.06	6.9000	0.002
	5.50	49.8	28.0	83.07	6.3636	0.002
	6.00	53.6	31.7	83.09	5.9167	0.003
	6.50	57.6	35.8	83.11	5.5385	0.003
	7.00	62.0	40.2	83.13	5.2143	0.004
	7.50	66.7	44.9	83.14	4.9333	0.004
	8.00	71.8	49.9	83.16	4.6875	0.005
	8.50	77.3	55.5	83.19	4.4706	0.006
	9.00	83.4	61.6	83.20	4.2778	0.007
	9.50	90.0	68.2	83.22	4.1053	0.008
	10.00	97.2	75.4	83.23	3.9500	0.009
	10.50	105.2	83.3	83.25	3.8095	0.011
	11.00	113.8	92.0	83.27	3.6818	0.013
	11.50	123.4	101.6	83.28	3.5652	0.015
	12.00	134.0	112.2	83.30	3.4583	0.018
	12.50	145.6	123.8	83.33	3.3600	0.021
	13.00	158.4	136.6	83.34	3.2692	0.025
	13.50	172.8	151.0	83.35	3.1852	0.030
	14.00	188.4	166.5	83.38	3.1071	0.035
	14.50	205.6	183.7	83.39	3.0345	0.042
	15.00	224.3	202.5	83.41	2.9667	0.050
	15.50	244.7	222.9	83.44	2.9032	0.060
	16.00	266.7	244.9	83.45	2.8438	0.071
	16.50	290.1	268.3	83.47	2.7879	0.084
	17.00	314.8	293.0	83.49	2.7353	0.099
	17.50	340.4	318.6	83.51	2.6857	0.116
	18.00	366.6	344.8	83.54	2.6389	0.134
	18.50	393.3	371.4	83.55	2.5946	0.155
	19.00	419.5	397.7	83.57	2.5526	0.176
	19.50	445.6	423.7	83.59	2.5128	0.199
	20.00	470.9	449.1	83.62	2.4750	0.222

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 12/15/97

TIME: 13:59:02

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
20.50	495.5	473.7	83.64	2.4390	0.246
21.00	519.2	497.4	83.65	2.4048	0.270
21.50	541.9	520.0	83.68	2.3721	0.294
22.00	563.7	541.8	83.70	2.3409	0.318
22.50	584.4	562.6	83.73	2.3111	0.342
23.00	604.1	582.3	83.74	2.2826	0.365
23.50	622.8	601.0	83.75	2.2553	0.388
24.00	640.7	618.8	83.79	2.2292	0.410
24.50	657.7	635.8	83.81	2.2041	0.433
25.00	673.7	651.9	83.83	2.1800	0.454
25.50	689.0	667.2	83.85	2.1569	0.475
26.00	703.6	681.8	83.87	2.1346	0.495
26.50	717.4	695.5	83.89	2.1132	0.515
27.00	730.4	708.6	83.92	2.0926	0.534
27.50	742.9	721.0	83.93	2.0727	0.552
28.00	754.6	732.8	83.95	2.0536	0.569
28.50	765.8	744.0	83.97	2.0351	0.586
29.00	776.4	754.6	83.99	2.0172	0.603
29.50	786.5	764.6	84.01	2.0000	0.619
30.00	796.0	774.2	84.03	1.9833	0.634
30.50	805.1	783.3	84.05	1.9672	0.648
31.00	813.7	791.9	84.08	1.9516	0.662
31.50	821.8	800.0	84.10	1.9365	0.675
32.00	829.5	807.6	84.10	1.9219	0.688
32.50	836.8	814.9	84.13	1.9077	0.700
33.00	843.6	821.8	84.14	1.8939	0.712
33.50	850.1	828.3	84.16	1.8806	0.723
34.00	856.3	834.4	84.18	1.8676	0.733
34.50	862.1	840.3	84.20	1.8551	0.743
35.00	867.6	845.8	84.21	1.8429	0.753
35.50	872.8	851.0	84.24	1.8310	0.762
36.00	877.8	855.9	84.25	1.8194	0.770
36.50	882.5	860.6	84.26	1.8082	0.779
37.00	887.0	865.1	84.29	1.7973	0.787
37.50	891.2	869.4	84.30	1.7867	0.794
38.00	895.3	873.5	84.32	1.7763	0.802
38.50	899.1	877.3	84.33	1.7662	0.808
39.00	902.8	881.0	84.35	1.7564	0.815
39.50	906.4	884.5	84.37	1.7468	0.822
40.00	909.7	887.9	84.38	1.7375	0.828
40.50	912.9	891.1	84.40	1.7284	0.833
41.00	916.0	894.2	84.41	1.7195	0.839
41.50	919.0	897.2	84.43	1.7108	0.845
42.00	921.8	900.0	84.44	1.7024	0.850
42.50	924.5	902.7	84.46	1.6941	0.855
43.00	927.1	905.3	84.47	1.6860	0.860
43.50	929.6	907.8	84.49	1.6782	0.864
44.00	932.0	910.2	84.50	1.6705	0.869
44.50	934.3	912.5	84.53	1.6629	0.873
45.00	936.6	914.7	84.54	1.6556	0.877
45.50	938.7	916.9	84.55	1.6484	0.881

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 12/15/97

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	46.00	940.8	918.9	84.57	1.6413	0.885
	46.50	942.8	921.0	84.58	1.6344	0.889
	47.00	944.7	922.9	84.60	1.6277	0.893
	47.50	946.6	924.7	84.61	1.6211	0.896
	48.00	948.4	926.6	84.63	1.6146	0.899
	48.50	950.1	928.3	84.64	1.6082	0.903
	49.00	951.8	930.0	84.66	1.6020	0.906
***** End Shut-in 1	49.50	953.4	931.6	84.67	1.5960	0.909
***** Start Flow 2	0.00	22.8	0.0	84.72		
	0.50	23.2	0.4	84.73		
	1.00	24.0	1.2	84.74		
	1.50	24.6	1.8	84.74		
	2.00	24.5	1.7	84.74		
	2.50	25.2	2.4	84.74		
	3.00	24.9	2.1	84.74		
	3.50	25.2	2.4	84.74		
	4.00	25.3	2.5	84.74		
	4.50	25.6	2.8	84.74		
	5.00	26.1	3.3	84.75		
	5.50	25.7	2.9	84.75		
	6.00	26.6	3.8	84.75		
	6.50	25.6	2.8	84.76		
	7.00	27.3	4.5	84.76		
	7.50	26.0	3.2	84.77		
	8.00	26.1	3.3	84.78		
	8.50	27.2	4.4	84.79		
	9.00	25.8	3.0	84.80		
	9.50	27.1	4.3	84.81		
	10.00	27.2	4.4	84.81		
	10.50	26.5	3.7	84.82		
	11.00	27.2	4.4	84.83		
	11.50	26.8	4.0	84.85		
	12.00	26.9	4.1	84.86		
	12.50	27.8	5.0	84.86		
	13.00	27.2	4.4	84.87		
	13.50	27.4	4.6	84.89		
	14.00	27.4	4.6	84.90		
	14.50	27.6	4.8	84.91		
	15.00	28.0	5.2	84.91		
	15.50	27.6	4.8	84.92		
	16.00	27.8	5.0	84.95		
	16.50	28.3	5.5	84.95		
	17.00	28.0	5.2	84.96		
	17.50	28.6	5.8	84.98		
	18.00	28.5	5.7	85.00		
	18.50	28.2	5.4	85.01		
	19.00	28.7	5.9	85.02		
	19.50	28.5	5.7	85.03		
	20.00	29.0	6.2	85.05		
	20.50	28.3	5.5	85.06		
	21.00	29.1	6.3	85.07		

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	21.50	29.3	6.5	85.10		
	22.00	28.9	6.1	85.11		
	22.50	29.6	6.8	85.12		
	23.00	29.6	6.8	85.13		
	23.50	29.2	6.4	85.15		
	24.00	29.7	6.9	85.17		
	24.50	29.4	6.6	85.18		
	25.00	29.6	6.8	85.20		
	25.50	30.5	7.7	85.21		
	26.00	28.5	5.7	85.22		
	26.50	30.1	7.3	85.24		
	27.00	30.7	7.9	85.26		
	27.50	29.1	6.3	85.27		
	28.00	29.7	6.9	85.29		
	28.50	30.8	8.0	85.31		
	29.00	30.6	7.8	85.33		
	29.50	30.0	7.2	85.33		
	30.00	30.5	7.7	85.36		
	30.50	30.6	7.8	85.37		
	31.00	30.5	7.7	85.38		
	31.50	30.8	8.0	85.40		
	32.00	30.7	7.9	85.41		
	32.50	30.8	8.0	85.43		
	33.00	30.8	8.0	85.45		
	33.50	31.0	8.2	85.46		
	34.00	30.9	8.1	85.48		
	34.50	31.0	8.2	85.50		
	35.00	31.4	8.6	85.51		
	35.50	30.9	8.1	85.53		
	36.00	31.0	8.2	85.55		
	36.50	31.5	8.7	85.57		
	37.00	31.1	8.3	85.58		
	37.50	31.2	8.4	85.60		
	38.00	31.7	8.9	85.61		
	38.50	31.5	8.7	85.62		
	39.00	31.6	8.8	85.64		
	39.50	31.7	8.9	85.65		
	40.00	31.7	8.9	85.67		
	40.50	31.7	8.9	85.69		
	41.00	31.8	9.0	85.70		
	41.50	31.7	9.0	85.73		
	42.00	31.8	9.0	85.74		
	42.50	31.9	9.1	85.75		
***** End Flow 2	43.00	31.9	9.1	85.78		
***** Start Shutin 2	0.00	31.9	0.0	85.78	0.0000	0.001
	0.50	32.0	0.1	85.79	146.0000	0.001
	1.00	32.1	0.1	85.81	73.5000	0.001
	1.50	31.8	-0.1	85.82	49.3333	0.001
	2.00	32.6	0.7	85.84	37.2500	0.001
	2.50	34.9	3.0	85.85	30.0000	0.001
	3.00	37.2	5.3	85.87	25.1667	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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TIME: 13:59:02

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
3.50	39.2	7.2	85.88	21.7143	0.002
4.00	41.7	9.7	85.90	19.1250	0.002
4.50	44.3	12.3	85.92	17.1111	0.002
5.00	47.0	15.0	85.94	15.5000	0.002
5.50	49.8	17.8	85.95	14.1818	0.002
6.00	52.7	20.8	85.96	13.0833	0.003
6.50	55.8	23.9	85.99	12.1538	0.003
7.00	59.1	27.2	86.00	11.3571	0.003
7.50	62.6	30.7	86.01	10.6667	0.004
8.00	66.3	34.3	86.03	10.0625	0.004
8.50	70.2	38.3	86.04	9.5294	0.005
9.00	74.3	42.4	86.07	9.0556	0.006
9.50	78.7	46.8	86.08	8.6316	0.006
10.00	83.4	51.5	86.09	8.2500	0.007
10.50	88.4	56.5	86.12	7.9048	0.008
11.00	93.8	61.8	86.12	7.5909	0.009
11.50	99.5	67.6	86.15	7.3043	0.01
12.00	105.6	73.7	86.16	7.0417	0.011
12.50	112.1	80.2	86.17	6.8000	0.013
13.00	119.2	87.3	86.19	6.5769	0.014
13.50	126.8	94.8	86.20	6.3704	0.016
14.00	134.9	102.9	86.22	6.1786	0.018
14.50	143.7	111.7	86.23	6.0000	0.021
15.00	153.2	121.3	86.25	5.8333	0.023
15.50	163.5	131.6	86.27	5.6774	0.027
16.00	174.6	142.7	86.28	5.5312	0.030
16.50	186.6	154.6	86.30	5.3939	0.035
17.00	199.4	167.5	86.32	5.2647	0.040
17.50	213.2	181.3	86.34	5.1429	0.045
18.00	228.0	196.1	86.35	5.0278	0.052
18.50	243.8	211.9	86.37	4.9189	0.059
19.00	260.5	228.6	86.38	4.8158	0.068
19.50	278.2	246.3	86.39	4.7179	0.077
20.00	296.8	264.9	86.41	4.6250	0.088
20.50	316.2	284.3	86.43	4.5366	0.100
21.00	336.3	304.3	86.45	4.4524	0.113
21.50	356.8	324.8	86.47	4.3721	0.127
22.00	377.6	345.7	86.47	4.2955	0.143
22.50	398.5	366.6	86.49	4.2222	0.159
23.00	419.5	387.5	86.51	4.1522	0.176
23.50	440.1	408.2	86.54	4.0851	0.194
24.00	460.5	428.5	86.55	4.0208	0.212
24.50	480.3	448.3	86.56	3.9592	0.231
25.00	499.5	467.6	86.58	3.9000	0.250
25.50	518.3	486.3	86.59	3.8431	0.269
26.00	536.4	504.4	86.62	3.7885	0.288
26.50	553.8	521.9	86.63	3.7358	0.307
27.00	570.7	538.7	86.65	3.6852	0.326
27.50	586.8	554.9	86.67	3.6364	0.344
28.00	602.3	570.4	86.68	3.5893	0.363
28.50	617.1	585.2	86.70	3.5439	0.381

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10858 Pelican Hill Oil & Gas Nuss #1 DST #1

DATE: 12/15/97

TIME: 13:59:02

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
29.00	631.3	599.4	86.70	3.5000	0.399
29.50	644.9	612.9	86.73	3.4576	0.416
30.00	657.8	625.8	86.74	3.4167	0.433
30.50	670.1	638.1	86.77	3.3770	0.449
31.00	681.9	649.9	86.78	3.3387	0.465
31.50	693.1	661.2	86.80	3.3016	0.480
32.00	703.8	671.9	86.81	3.2656	0.495
32.50	714.0	682.1	86.82	3.2308	0.510
33.00	723.7	691.8	86.84	3.1970	0.524
33.50	733.0	701.1	86.86	3.1642	0.537
34.00	741.9	710.0	86.88	3.1324	0.550
34.50	750.4	718.4	86.89	3.1014	0.563
35.00	758.5	726.5	86.91	3.0714	0.575
35.50	766.2	734.3	86.91	3.0423	0.587
36.00	773.7	741.7	86.93	3.0139	0.599
36.50	780.8	748.8	86.95	2.9863	0.610
37.00	787.7	755.7	86.97	2.9595	0.620
37.50	794.3	762.4	86.97	2.9333	0.631
38.00	800.4	768.5	87.00	2.9079	0.641
38.50	806.5	774.6	87.00	2.8831	0.651
39.00	812.4	780.4	87.02	2.8590	0.660
39.50	818.0	786.0	87.04	2.8354	0.669
40.00	823.3	791.4	87.05	2.8125	0.678
40.50	828.4	796.4	87.07	2.7901	0.686
41.00	833.3	801.4	87.09	2.7683	0.694
41.50	838.0	806.1	87.10	2.7470	0.702
42.00	842.5	810.6	87.11	2.7262	0.710
42.50	846.8	814.8	87.11	2.7059	0.717
43.00	850.8	818.9	87.14	2.6860	0.724
43.50	854.7	822.8	87.15	2.6667	0.731
44.00	858.5	826.5	87.17	2.6477	0.737
44.50	862.1	830.1	87.18	2.6292	0.743
45.00	865.5	833.6	87.19	2.6111	0.749
45.50	868.8	836.8	87.20	2.5934	0.755
46.00	871.9	840.0	87.22	2.5761	0.760
46.50	875.0	843.1	87.23	2.5591	0.766
47.00	878.0	846.1	87.24	2.5426	0.771
47.50	880.8	848.9	87.26	2.5263	0.776
48.00	883.5	851.6	87.27	2.5104	0.781
48.50	886.1	854.2	87.28	2.4948	0.785
49.00	888.7	856.7	87.30	2.4796	0.790
49.50	891.1	859.2	87.30	2.4646	0.794
50.00	893.4	861.5	87.32	2.4500	0.798
50.50	895.7	863.8	87.33	2.4356	0.802
51.00	897.9	866.0	87.34	2.4216	0.806
51.50	900.1	868.2	87.36	2.4078	0.810
52.00	902.1	870.2	87.36	2.3942	0.814
52.50	904.2	872.2	87.37	2.3810	0.817
53.00	906.1	874.2	87.39	2.3679	0.821
53.50	908.0	876.1	87.40	2.3551	0.824
54.00	909.8	877.9	87.41	2.3426	0.828

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10858 Pelican Hill Oil & Gas Nuss #1 DST #1

DATE: 12/15/97

TIME: 13:59:02

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	54.50	911.6	879.6	87.43	2.3303	0.831
	55.00	913.3	881.4	87.44	2.3182	0.834
	55.50	915.0	883.0	87.45	2.3063	0.837
	56.00	916.6	884.7	87.46	2.2946	0.840
	56.50	918.2	886.3	87.46	2.2832	0.843
	57.00	919.7	887.8	87.49	2.2719	0.846
	57.50	921.2	889.3	87.49	2.2609	0.849
	58.00	922.7	890.7	87.50	2.2500	0.851
	58.50	924.1	892.2	87.51	2.2393	0.854
	59.00	925.4	893.5	87.53	2.2288	0.856
	59.50	926.8	894.9	87.54	2.2185	0.859
	60.00	928.1	896.2	87.55	2.2083	0.861
***** End Shut-in 2	60.50	929.4	897.4	87.57	2.1983	0.864
***** Start Flow 3	0.50	1361.0	0.0	87.58		
***** End Flow 3	1.00	1395.5	34.4	87.58		
***** End Shut-in 3	0.50	1395.5	0.0	87.58	147.0000	1.947
***** Final Hydro.	260.50	1395.5	0.0	87.58		

CHART PAGE

DST #1
ROC #11018
11/05/00

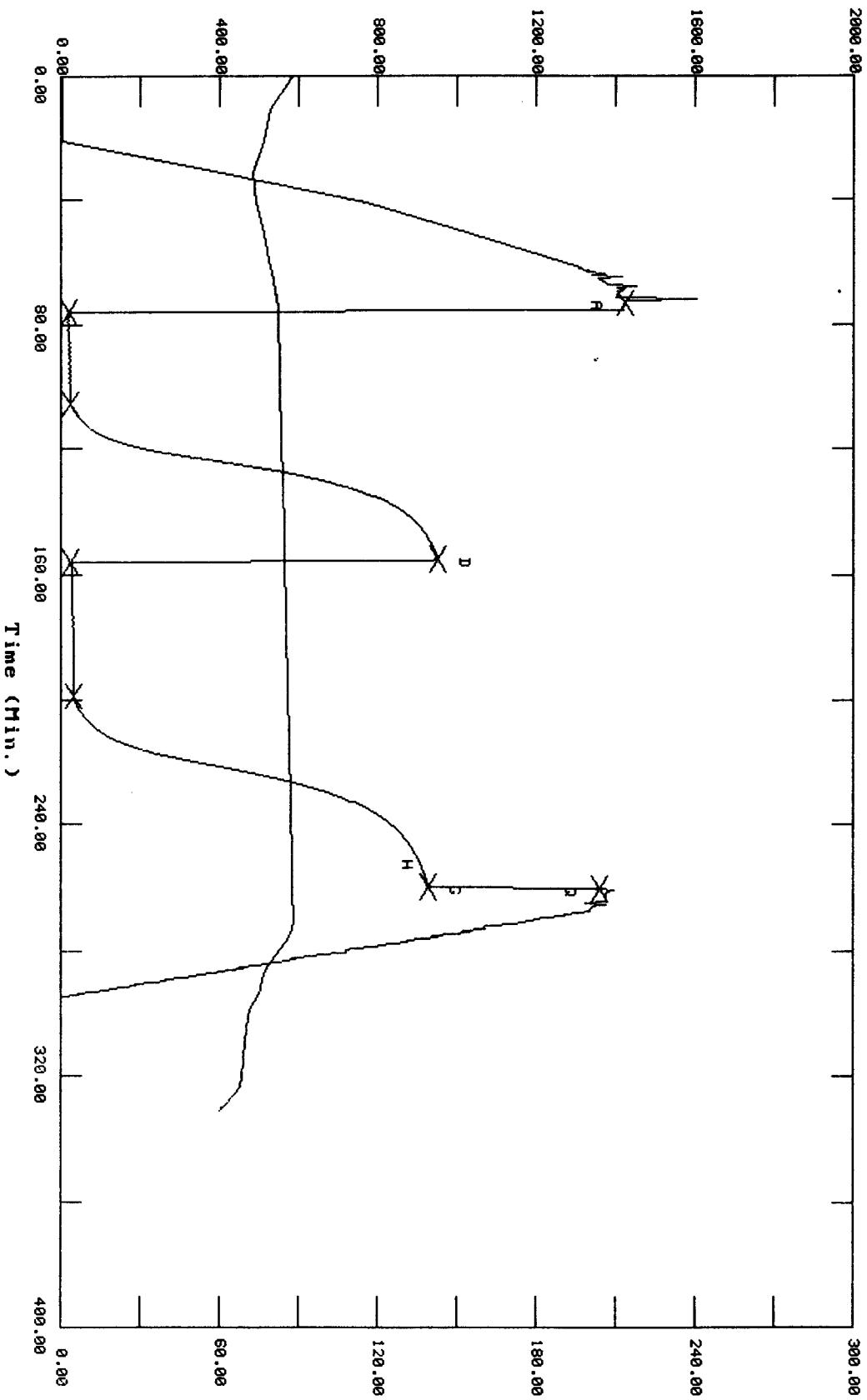
A
Q
D
G
F
E
C
B

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

TEST HISTORY

10858 Pelican Hill Oil & Gas Nuss #1 DST #1

Flag Points		
t(Min.)	P(PSig)	t(Min.) P(PSig)
A: 0.00	1425.06	
B: 0.00	18.33	
C: 29.50	21.83	
D: 49.50	953.44	
E: 0.00	22.80	
F: 43.00	31.93	
G: 60.50	929.37	
H: 0.00	929.37	



Pressure (PSig)

Temperature (DEG F)

Time (Min.)

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

C1571359

Test Ticket

No 10858

Well Name & No. NUSS #1 Test No. 1 Date 12/15/97
 Company PELICAN OIL & GAS Zone Tested LKC A-B-C
 Address 1401 N EL CAMINO REAL SUITE 203 Elevation 1744 KB 1738 GL
 Co. Rep / Geo. RANDALL KILLIAN Cont. VONFELDT DRILL RIG Est. Ft. of Pay Por. %
 Location: Sec. 33 Twp. 14S Rge. 12W Co. RUSSELL State KS
 No. of Copies 106 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 2898-2945 Initial Str Wt./Lbs. 28K Unseated Str Wt./Lbs. 30K
 Anchor Length 47' Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 50K
 Top Packer Depth 2893 Tool Weight 2K
 Bottom Packer Depth 2898 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 2945 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9 LCM 0 Vis. 4.5 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 2877
 Blow Description 1ST FLOW: FAIR BLOW 3"
2ND FLOW: FAIR BLOW 3"

Recovery — Total Feet 40 GIP 50 Ft. in DC Ft. in DP 40
 Rec. 40 Feet Of 15% GAS + OIL CUT MUD %gas 2 %oil %water 93 %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud

BHT 28 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 8,000 ppm System
 (A) Initial Hydrostatic Mud 1425 PSI Recorder No. 11018 T-Started 1400
 (B) First Initial Flow Pressure 18 PSI (depth) 2903 T-Open 1515
 (C) First Final Flow Pressure 21 PSI Recorder No. 3126 ROAD T-Pulled 1815
 (D) Initial Shut-in Pressure 953 PSI (depth) 4995 T-Out 1930
 (E) Second Initial Flow Pressure 22 PSI Recorder No.
 (F) Second Final Flow Pressure 31 PSI (depth)
 (G) Final Shut-in Pressure 929 PSI Initial Opening 30 Test ✓ 600
 (H) Final Hydrostatic Mud 1405 PSI Initial Shut-in 45 Jars

Final Flow 45 Safety Joint
 Final Shut-in 60 Straddle
 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 Randall Killian
 Our Representative Don Reil

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

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil&Gas

DATE 12\16\97

WELL NAME: Nuss#1

KB 1744.00 ft

TICKET NO: 10859

DST #2

LOCATION : 33-14S-12W Russell Co. KS

GR 1738.00 ft

FORMATION: LKC F Zone

INTERVAL : 2967.00 To 2988.00 ft

TD 2988.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11018	11018	3026			PF Fr. 0415 to 0445 hr
SI 30 Range(Psi)	4425.0	4425.0	4995.0	0.0	0.0	IS Fr. 0445 to 0515 hr
SF 45 Clock(hrs)	12	12				SF Fr. 0515 to 0600 hr
FS 60 Depth(ft)	2970.0	2970.0	2975.0	0.0	0.0	FS Fr. 0600 to 0700 hr

	Field	1	2	3	4	
A. Init Hydro	1460.0	1481.0	1456.0	0.0	0.0	T STARTED 0300 hr
B. First Flow	78.0	76.0	19.0	0.0	0.0	T ON BOTM 0410 hr
B1. Final Flow	78.0	76.0	41.0	0.0	0.0	T OPEN 0415 hr
C. In Shut-in	530.0	520.0	548.0	0.0	0.0	T PULLED 0700 hr
D. Init Flow	86.0	78.0	44.0	0.0	0.0	T OUT 0900 hr
E. Final Flow	93.0	78.0	73.0	0.0	0.0	
F. Fl Shut-in	549.0	489.0	549.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1440.0	1396.0	1442.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 40000.00 lbs
						Initial Str Wt 30000.00 lbs
						Unseated Str Wt 32000.00 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 2960.00 ft

RECOVERY

Tot Fluid 130.00 ft of 0.00 ft in DC and 130.00 ft in DP
 230.00 ft of GAS IN PIPE
 20.00 ft of Clean gassy oil 10%gas 90%oil
 110.00 ft of Water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 50000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow: Strong blow. Bottom of bucket in 20 minutes.

Initial Shutin: Weak blowback.

Final Flow: Strong blow. Bottom of bucket in 18 minutes.

Final Shutin: Weak blowback.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type chem
 Weight 9.00 lb/c
 Vis. 45.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 88.00 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 John Riedl
 Co. Rep. Randall Kilian
 Contr. Vonfeldt
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Nuss#1

LOCATION : 33-14S-12W Russell Co. KS

TICKET No. 10859 D.S.T. No. 2 DATE 12\16\97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 41

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.Stands48 Single 1 Total 2960

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3001

TOTAL DEPTH 2988

TOTAL DRILL PIPE ABOVE K.B. 13

REMARKS:

P.O. SUB

C.O. SUB

2952

S.I. TOOL

2953

HMV

2958

JARS

SAFETY JOINT

PACKER

2962

PACKER

2967

DEPTH 2967

STUBB 1'

2968

ANCHOR 4'perfs

2972

AK1@2970

Alpine@2975

5'perfs

2977

T.C.

DEPTH

5'perfs

2982

3'perfs

2985

BULLNOSE

T.D. 3'perfs

2988

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10859 Pelican Oil Gas Nuss#1 DST#2
 DATE: 12/16/97 TIME: 02:55:24

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	0.03	0.1	0.0	40.62		
***** Start Flow 1	0.00	1456.6	0.0	82.89		
	0.50	1457.2	0.6	82.95		
***** End Flow 1	1.00	19.3	-1437.4	83.04		
***** Start Shutin 1	0.00	19.3	0.0	83.04	0.0000	0.000
	0.50	19.5	0.2	83.10	3.0000	0.000
	1.00	21.3	2.1	83.13	2.0000	0.000
	1.50	22.4	3.2	83.15	1.6667	0.001
	2.00	20.0	0.8	83.16	1.5000	0.000
	2.50	20.3	1.1	83.16	1.4000	0.000
	3.00	20.9	1.7	83.16	1.3333	0.000
	3.50	21.4	2.2	83.17	1.2857	0.000
	4.00	21.8	2.5	83.18	1.2500	0.000
	4.50	22.3	3.0	83.17	1.2222	0.000
	5.00	23.0	3.7	83.16	1.2000	0.001
	5.50	23.0	3.7	83.16	1.1818	0.001
	6.00	22.9	3.6	83.16	1.1667	0.001
	6.50	22.9	3.7	83.16	1.1538	0.001
	7.00	23.1	3.8	83.15	1.1429	0.001
	7.50	23.3	4.0	83.15	1.1333	0.001
	8.00	23.7	4.4	83.15	1.1250	0.001
	8.50	24.0	4.8	83.15	1.1176	0.001
	9.00	24.4	5.2	83.15	1.1111	0.001
	9.50	24.8	5.6	83.14	1.1053	0.001
	10.00	25.3	6.0	83.16	1.1000	0.001
	10.50	25.8	6.5	83.15	1.0952	0.001
	11.00	26.1	6.8	83.15	1.0909	0.001
	11.50	26.6	7.4	83.16	1.0870	0.001
	12.00	26.8	7.6	83.16	1.0833	0.001
	12.50	27.3	8.0	83.16	1.0800	0.001
	13.00	27.6	8.4	83.17	1.0769	0.001
	13.50	28.1	8.8	83.17	1.0741	0.001
	14.00	28.4	9.2	83.17	1.0714	0.001
	14.50	28.8	9.6	83.17	1.0690	0.001
	15.00	29.2	10	83.17	1.0667	0.001
	15.50	29.5	10.3	83.18	1.0645	0.001
	16.00	29.8	10.6	83.19	1.0625	0.001
	16.50	30.2	11.0	83.19	1.0606	0.001
	17.00	30.5	11.3	83.20	1.0588	0.001
	17.50	31.0	11.8	83.21	1.0571	0.001
	18.00	31.3	12.1	83.22	1.0556	0.001
	18.50	31.7	12.5	83.23	1.0541	0.001
	19.00	32.2	12.9	83.23	1.0526	0.001
	19.50	32.5	13.3	83.24	1.0513	0.001
	20.00	32.9	13.7	83.24	1.0500	0.001
	20.50	33.3	14.1	83.25	1.0488	0.001
	21.00	33.6	14.4	83.26	1.0476	0.001
	21.50	34.0	14.7	83.28	1.0465	0.001
	22.00	34.4	15.1	83.28	1.0455	0.001
	22.50	34.8	15.5	83.29	1.0444	0.001
	23.00	35.1	15.8	83.30	1.0435	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10859 Pelican Oil Gas Nuss#1 DST#2

DATE: 12/16/97

TIME: 02:55:24

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	23.50	35.4	16.2	83.30	1.0426	0.001
	24.00	35.8	16.5	83.32	1.0417	0.001
	24.50	36.1	16.9	83.32	1.0408	0.001
	25.00	36.5	17.2	83.34	1.0400	0.001
	25.50	36.9	17.6	83.35	1.0392	0.001
	26.00	37.3	18.0	83.36	1.0385	0.001
	26.50	37.6	18.3	83.38	1.0377	0.001
	27.00	38.0	18.7	83.38	1.0370	0.001
	27.50	38.3	19.0	83.39	1.0364	0.001
	28.00	38.8	19.6	83.41	1.0357	0.002
	28.50	39.2	19.9	83.42	1.0351	0.002
	29.00	39.6	20.3	83.42	1.0345	0.002
	29.50	39.9	20.7	83.44	1.0339	0.002
	30.00	40.3	21.0	83.45	1.0333	0.002
	30.50	40.7	21.4	83.46	1.0328	0.002
	31.00	41.0	21.7	83.48	1.0323	0.002
	31.50	41.4	22.1	83.49	1.0317	0.002
***** End Shut-in 1	32.00	41.7	22.5	83.51	1.0312	0.002
***** Start Flow 2	0.00	548.3	0.0	84.49		
	0.50	47.1	-501.2	84.52		
	1.00	44.8	-503.5	84.53		
***** End Flow 2	1.50	44.4	-503.9	84.54		
***** Start Shutin 2	0.00	44.4	0.0	84.54	0.0000	0.002
	0.50	44.9	0.5	84.55	6.0000	0.002
	1.00	45.4	1.0	84.57	3.5000	0.002
	1.50	45.8	1.4	84.58	2.6667	0.002
	2.00	46.2	1.7	84.58	2.2500	0.002
	2.50	46.7	2.3	84.60	2.0000	0.002
	3.00	47.1	2.7	84.61	1.8333	0.002
	3.50	47.5	3.1	84.61	1.7143	0.002
	4.00	48.0	3.6	84.62	1.6250	0.002
	4.50	48.3	3.8	84.64	1.5556	0.002
	5.00	48.7	4.3	84.64	1.5000	0.002
	5.50	49.1	4.7	84.66	1.4545	0.002
	6.00	49.5	5.1	84.68	1.4167	0.002
	6.50	49.9	5.4	84.69	1.3846	0.002
	7.00	50.3	5.8	84.70	1.3571	0.003
	7.50	50.7	6.2	84.72	1.3333	0.003
	8.00	51.0	6.6	84.73	1.3125	0.003
	8.50	51.4	7.0	84.74	1.2941	0.003
	9.00	51.7	7.3	84.76	1.2778	0.003
	9.50	52.1	7.7	84.78	1.2632	0.003
	10.00	52.4	8.0	84.79	1.2500	0.003
	10.50	52.8	8.4	84.80	1.2381	0.003
	11.00	53.2	8.7	84.82	1.2273	0.003
	11.50	53.4	9.0	84.84	1.2174	0.003
	12.00	53.9	9.5	84.85	1.2083	0.003
	12.50	54.2	9.8	84.88	1.2000	0.003
	13.00	54.6	10.2	84.88	1.1923	0.003
	13.50	55.1	10.6	84.90	1.1852	0.003
	14.00	55.4	11.0	84.92	1.1786	0.003

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10859 Pelican Oil Gas Nuss#1 DST#2

DATE: 12/16/97

TIME: 02:55:24

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
14.50	55.9	11.4	84.93	1.1724	0.003
15.00	56.2	11.8	84.96	1.1667	0.003
15.50	56.6	12.2	84.97	1.1613	0.003
16.00	56.9	12.5	84.98	1.1562	0.003
16.50	57.3	12.8	85.00	1.1515	0.003
17.00	57.6	13.2	85.02	1.1471	0.003
17.50	57.9	13.5	85.03	1.1429	0.003
18.00	58.2	13.8	85.05	1.1389	0.003
18.50	58.6	14.2	85.06	1.1351	0.003
19.00	58.9	14.4	85.08	1.1316	0.003
19.50	59.2	14.8	85.09	1.1282	0.004
20.00	59.6	15.2	85.11	1.1250	0.004
20.50	59.8	15.4	85.13	1.1220	0.004
21.00	60.2	15.7	85.14	1.1190	0.004
21.50	60.5	16.0	85.17	1.1163	0.004
22.00	60.8	16.4	85.17	1.1136	0.004
22.50	61.1	16.7	85.20	1.1111	0.004
23.00	61.4	17.0	85.21	1.1087	0.004
23.50	61.8	17.3	85.23	1.1064	0.004
24.00	62.1	17.6	85.24	1.1042	0.004
24.50	62.4	18.0	85.25	1.1020	0.004
25.00	62.7	18.3	85.28	1.1000	0.004
25.50	63.1	18.6	85.29	1.0980	0.004
26.00	63.3	18.9	85.30	1.0962	0.004
26.50	63.7	19.2	85.32	1.0943	0.004
27.00	64.0	19.5	85.34	1.0926	0.004
27.50	64.3	19.9	85.36	1.0909	0.004
28.00	64.6	20.2	85.38	1.0893	0.004
28.50	64.9	20.5	85.39	1.0877	0.004
29.00	65.3	20.8	85.40	1.0862	0.004
29.50	65.5	21.1	85.42	1.0847	0.004
30.00	65.8	21.3	85.43	1.0833	0.004
30.50	66.1	21.6	85.44	1.0820	0.004
31.00	66.4	21.9	85.46	1.0806	0.004
31.50	66.8	22.3	85.48	1.0794	0.004
32.00	67.0	22.6	85.49	1.0781	0.004
32.50	67.3	22.9	85.51	1.0769	0.005
33.00	67.6	23.2	85.53	1.0758	0.005
33.50	68.0	23.5	85.54	1.0746	0.005
34.00	68.2	23.8	85.56	1.0735	0.005
34.50	68.5	24.1	85.58	1.0725	0.005
35.00	68.9	24.4	85.59	1.0714	0.005
35.50	69.2	24.7	85.60	1.0704	0.005
36.00	69.5	25.1	85.62	1.0694	0.005
36.50	69.9	25.5	85.63	1.0685	0.005
37.00	70.3	25.9	85.65	1.0676	0.005
37.50	70.7	26.3	85.67	1.0667	0.005
38.00	71.1	26.6	85.68	1.0658	0.005
38.50	71.3	26.9	85.69	1.0649	0.005
39.00	71.6	27.1	85.71	1.0641	0.005
39.50	72.0	27.5	85.72	1.0633	0.005

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10859 Pelican Oil Gas Nuss#1 DST#2

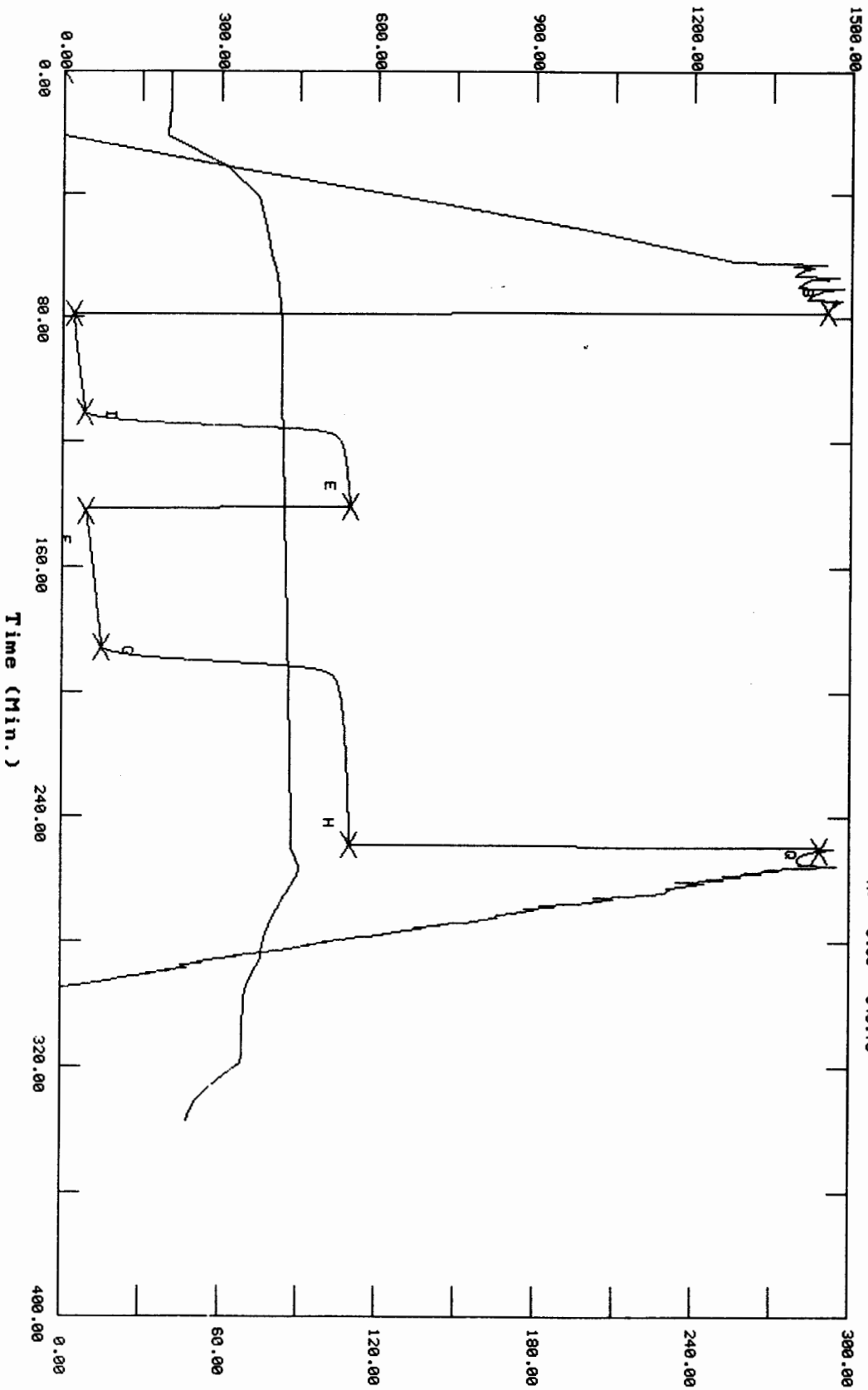
DATE: 12/16/97

TIME: 02:55:24

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	40.00	72.2	27.8	85.75	1.0625	0.005
	40.50	72.5	28.1	85.76	1.0617	0.005
	41.00	72.7	28.3	85.77	1.0610	0.005
	41.50	73.2	28.7	85.80	1.0602	0.005
	42.00	73.5	29.0	85.81	1.0595	0.005
	42.50	73.7	29.3	85.82	1.0588	0.005
	43.00	73.7	29.3	85.84	1.0581	0.005
***** End Shut-in 2	43.50	74.0	29.6	85.85	1.0575	0.005
***** Start Flow 3	0.00	548.7	0.0	87.58		
	0.50	1419.1	870.3	87.71		
	1.00	1470.6	921.9	87.61		
***** End Flow 3	1.50	1442.9	894.2	87.69		

TEST HISTORY

10859 Pelican Oil Gas Nuss#1 DST#2



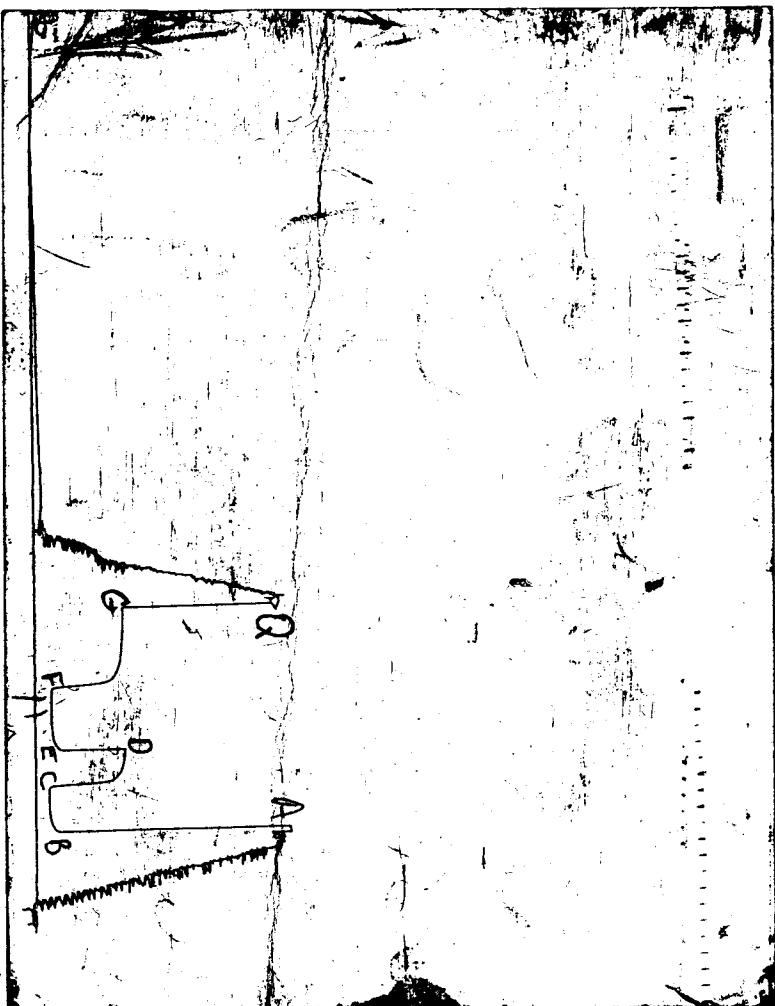
Flag Points

(Min.) P (PSIg)

(Min.) P (PSIg)

Q: 0.00 1442.95

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

C1670255.0067
No 10859

Test Ticket

Well Name & No.	1401 N EL CAMINO REAL SUITE 203 SAN ANTONIO, TEXAS 78228 <u>NO. 2</u>	Test No.	<u>2</u>	Date	<u>12/16/97</u>
Company	<u>PELICAN HILL OIL & GAS INC</u>	Zone Tested	<u>LKC F</u>		
Address	<u>1401 N EL CAMINO REAL SUITE 203 SAN ANTONIO, TEXAS 78228</u>	Elevation	<u>1744</u>	KB	<u>1738</u> GL
Co. Rep / Geo.	<u>RANDALL KIRLIAN</u>	Cont.	<u>VONFELDT, DRILL RIG</u>	Est. Ft. of Pay	<u>SAL</u> Por. %
Location: Sec.	<u>33</u>	Twp.	<u>14S</u>	Rge.	<u>12W</u>
		Co.	<u>RUSSELL</u>	State	<u>KS</u>
No. of Copies	<u>RR</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>
		Evaluation (Y, N)	<u>N</u>		

Interval Tested	<u>2967 - 2988</u>	Initial Str Wt./Lbs.	<u>30K</u>	Unseated Str Wt./Lbs.	<u>32K</u>
Anchor Length	<u>21</u>	Wt. Set Lbs.	<u>20K</u>	Wt. Pulled Loose/Lbs.	<u>40K</u>
Top Packer Depth	<u>2962</u>	Tool Weight	<u>2K</u>		
Bottom Packer Depth	<u>2967</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>2988</u>	Wt. Pipe Run	<u>0</u>	Drill Collar Run	<u>0</u>
Mud Wt.	<u>9</u> LCM <u>0</u> Vis. <u>45</u> WL <u>9.6</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>2960</u>
Blow Description	<u>1ST FLOW: STRONG BLOW / BOB 20 MINUTES</u> <u>WEAK BLOWBACK</u> <u>2ND FLOW: STRONG BLOW / BOB 18 MINUTES</u>				

Recovery — Total Feet	<u>130</u>	GIP	<u>230</u>	Ft. in DC	<u>—</u>	Ft. in DP	<u>130</u>
Rec.	<u>20</u>	Feet Of	<u>CLEAN GASSTOIL</u>	10% gas	90% oil	% water	% mud
Rec.	<u>110</u>	Feet Of	<u>WATER</u>	% gas	% oil	100% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud

BHT	<u>88</u>	°F Gravity	<u>34</u>	°API D@	<u>40</u>	°F Corrected Gravity	<u>36</u>	<u>60</u>	°API
RET #11018 RW	<u>.11</u>	°F Chlorides	<u>60</u>	ppm Recovery	<u>50,000</u>	Chlorides	<u>8,000</u>	ppm System	<u>—</u>

1460 (A) Initial Hydrostatic Mud	<u>1456</u>	PSI	Recorder No.	<u>11018</u>	T-Started	<u>0.300</u>
78 (B) First Initial Flow Pressure	<u>19</u>	PSI	(depth)	<u>2970</u>	T-Open	<u>0.415</u>
78 (C) First Final Flow Pressure	<u>41</u>	PSI	Recorder No.	<u>3026</u>	T-Pulled	<u>0.700</u>
530 (D) Initial Shut-in Pressure	<u>548</u>	PSI	(depth)	<u>2975</u>	T-Out	<u>0.800</u>
86 (E) Second Initial Flow Pressure	<u>44</u>	PSI	Recorder No.	<u>—</u>		
93 (F) Second Final Flow Pressure	<u>73</u>	PSI	(depth)	<u>—</u>		
526 (G) Final Shut-in Pressure	<u>549</u>	PSI	Initial Opening	<u>30</u>	Test	<u>✓ 600</u>
1440 (H) Final Hydrostatic Mud	<u>1442</u>	PSI	Initial Shut-in	<u>30</u>	Jars	<u>—</u>

Final Flow	<u>45</u>	Safety Joint	<u>—</u>
Final Shut-in	<u>60</u>	Straddle	<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 _____
Our Representative John Kieck

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

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil Gas Inc
WELL NAME: Nuss#1
LOCATION : 33-14S-12W Russell Co. KS
INTERVAL : 2987.00 To 2998.00 ft

DATE 12\16\97
KB 1744.00 ft TICKET NO: 10860 DST #3
GR 1738.00 ft FORMATION: LKC G Zone
TD 2998.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11018	11018	3026			PF Fr. 1415 to 1445 hr
SI 30 Range(Psi)	4425.0	4425.0	4995.0	0.0	0.0	IS Fr. 1445 to 1515 hr
SF 45 Clock(hrs)	12	12				SF Fr. 1515 to 1600 hr
FS 60 Depth(ft)	2989.0	2989.0	2992.0	0.0	0.0	FS Fr. 1600 to 1700 hr

	Field	1	2	3	4	
A. Init Hydro	1482.0	1417.0	1475.0	0.0	0.0	T STARTED 1300 hr
B. First Flow	26.0	39.0	18.0	0.0	0.0	T ON BOTM 1410 hr
Bl. Final Flow	28.0	39.0	31.0	0.0	0.0	T OPEN 1415 hr
C. In Shut-in	370.0	372.0	464.0	0.0	0.0	T PULLED 1700 hr
D. Init Flow	37.0	49.0	31.0	0.0	0.0	T OUT 1900 hr
E. Final Flow	42.0	49.0	49.0	0.0	0.0	
F. Fl Shut-in	256.0	280.0	389.0	0.0	0.0	
G. Final Hydro	1460.0	1384.0	1417.0	0.0	0.0	
Inside/Outside	i	i	o			

RECOVERY

Tot Fluid 80.00 ft of 0.00 ft in DC and 80.00 ft in DP

50.00 ft of Gas in pipe
20.00 ft of Oil[30%] Water[30%] cut Mud[40%]
60.00 ft of Oil[15%] & Water[65%] cut Mud[20%]
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 60000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow: Fair Blow 3".

Initial Shutin: Very weak blowback.

Final Flow: Strong Blow 10".

Final Shutin: Weak blowback.

MUD DATA-----

Mud Type chem
Weight 9.20 lb/cf
Vis. 51.00 S/L
W.L. 11.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 92.00 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 John Riedl
Co. Rep. Randall Kilian
Contr. Vonfeldt
Rig # 1
Unit #
Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Nuss#1

LOCATION : 33-14S-12W Russell Co. KS

TICKET No. 10860 D.S.T. No. 3 DATE 12\16\97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 11

TOTAL TOOL 31

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.Stands48 Single Total 2997

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3028

TOTAL DEPTH 2998

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

P.O. SUB

C.O. SUB

2968

S.I. TOOL

2973

HMV

2978

JARS

SAFETY JOINT

PACKER

2982

PACKER

2987

DEPTH

STUBB 1'perfs

2988

ANCHOR 3'perfs

2991

AK1@ 2989

Alpine @ 2992

T.C.

DEPTH

4'perfs

2995

BULLNOSE

T.D. 3'Bullplug

2998

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97 TIME: 12:56:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	74.50	1475.9	0.0	79.94		
***** Start Flow 1	0.00	17.8	0.0	80.34		
	0.50	18.6	0.8	80.48		
	1.00	18.3	0.5	80.72		
	1.50	19.9	2.1	81.05		
	2.00	20.5	2.7	81.43		
	2.50	20.8	3.0	81.84		
	3.00	20.7	2.9	82.26		
	3.50	21.3	3.5	82.65		
	4.00	21.9	4.1	83.03		
	4.50	22.5	4.7	83.35		
	5.00	22.9	5.1	83.64		
	5.50	23.8	6.0	83.91		
	6.00	23.6	5.8	84.15		
	6.50	37.3	19.5	84.38		
	7.00	25.4	7.7	84.59		
	7.50	25.4	7.6	84.80		
	8.00	25.4	7.7	84.99		
	8.50	26.4	8.7	85.17		
	9.00	26.3	8.5	85.33		
	9.50	30.0	12.2	85.48		
	10.00	27.8	10	85.63		
	10.50	27.6	9.8	85.74		
	11.00	27.0	9.2	85.86		
	11.50	26.6	8.8	85.95		
	12.00	26.0	8.3	86.05		
	12.50	25.9	8.2	86.15		
	13.00	25.8	8.0	86.22		
	13.50	25.7	7.9	86.29		
	14.00	25.4	7.7	86.35		
	14.50	26.8	9.1	86.40		
	15.00	26.8	9.0	86.45		
	15.50	27.1	9.3	86.48		
	16.00	26.3	8.5	86.52		
	16.50	25.6	7.8	86.55		
	17.00	25.4	7.6	86.56		
	17.50	25.3	7.5	86.58		
	18.00	26.3	8.5	86.59		
	18.50	45.4	27.6	86.60		
	19.00	24.1	6.3	86.60		
	19.50	24.0	6.2	86.61		
	20.00	24.2	6.4	86.60		
	20.50	25.1	7.3	86.60		
	21.00	25.8	8.0	86.60		
	21.50	26.5	8.7	86.59		
	22.00	26.9	9.1	86.59		
	22.50	27.1	9.3	86.58		
	23.00	28.1	10.3	86.57		
	23.50	28.7	11.0	86.57		
	24.00	28.5	10.8	86.57		
	24.50	40.1	22.3	86.57		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	29.2	11.4	86.55		
	25.50	29.6	11.8	86.56		
	26.00	30.3	12.5	86.60		
	26.50	29.6	11.8	86.63		
	27.00	29.7	11.9	86.69		
	27.50	30.0	12.2	86.77		
	28.00	30.4	12.6	86.85		
	28.50	30.8	13.0	86.93		
	29.00	30.6	12.8	87.01		
	29.50	30.6	12.8	87.08		
	30.00	30.4	12.6	87.16		
	30.50	30.4	12.6	87.23		
	31.00	30.4	12.6	87.30		
	31.50	30.4	12.6	87.36		
***** End Flow 1	32.00	31.0	13.2	87.42		
***** Start Shutin 1	0.00	31.0	0.0	87.42	0.0000	0.001
	0.50	30.8	-0.2	87.48	65.0000	0.001
	1.00	30.4	-0.6	87.54	33.0000	0.001
	1.50	34.1	3.1	87.59	22.3333	0.001
	2.00	44.3	13.3	87.63	17.0000	0.002
	2.50	64.9	33.9	87.66	13.8000	0.004
	3.00	79.6	48.6	87.71	11.6667	0.006
	3.50	91.2	60.2	87.74	10.1429	0.008
	4.00	103.2	72.2	87.77	9.0000	0.011
	4.50	107.6	76.6	87.80	8.1111	0.012
	5.00	112.1	81.1	87.82	7.4000	0.013
	5.50	116.7	85.7	87.82	6.8182	0.014
	6.00	121.5	90.5	87.85	6.3333	0.015
	6.50	126.5	95.4	87.85	5.9231	0.016
	7.00	131.6	100.6	87.86	5.5714	0.017
	7.50	137.0	106.0	87.88	5.2667	0.019
	8.00	142.7	111.7	87.88	5.0000	0.020
	8.50	148.5	117.5	87.89	4.7647	0.022
	9.00	154.8	123.8	87.89	4.5556	0.024
	9.50	161.3	130.3	87.91	4.3684	0.026
	10.00	168.1	137.1	87.91	4.2000	0.028
	10.50	175.2	144.2	87.92	4.0476	0.031
	11.00	182.7	151.6	87.93	3.9091	0.033
	11.50	190.4	159.4	87.93	3.7826	0.036
	12.00	198.5	167.5	87.94	3.6667	0.039
	12.50	206.9	175.9	87.95	3.5600	0.043
	13.00	215.6	184.6	87.96	3.4615	0.046
	13.50	224.6	193.6	87.96	3.3704	0.050
	14.00	233.8	202.8	87.97	3.2857	0.055
	14.50	243.4	212.4	87.98	3.2069	0.059
	15.00	253.3	222.3	88.00	3.1333	0.064
	15.50	263.3	232.3	88.01	3.0645	0.069
	16.00	273.5	242.4	88.02	3.0000	0.075
	16.50	283.7	252.7	88.03	2.9394	0.081
	17.00	294.1	263.1	88.05	2.8824	0.086
	17.50	304.2	273.2	88.06	2.8286	0.093

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6	
18.00	314.2	283.2	88.08	2.7778	0.099	
18.50	324.0	293.0	88.08	2.7297	0.105	
19.00	333.6	302.6	88.10	2.6842	0.111	
19.50	342.8	311.8	88.11	2.6410	0.118	
20.00	351.6	320.6	88.14	2.6000	0.124	
20.50	360.2	329.2	88.14	2.5610	0.130	
21.00	368.3	337.3	88.15	2.5238	0.136	
21.50	376.0	345.0	88.16	2.4884	0.141	
22.00	383.2	352.2	88.17	2.4545	0.147	
22.50	390.0	359.0	88.19	2.4222	0.152	
23.00	396.3	365.3	88.19	2.3913	0.157	
23.50	402.2	371.2	88.19	2.3617	0.162	
24.00	407.7	376.7	88.21	2.3333	0.166	
24.50	412.6	381.6	88.21	2.3061	0.170	
25.00	417.2	386.2	88.21	2.2800	0.174	
25.50	421.6	390.6	88.22	2.2549	0.178	
26.00	425.7	394.7	88.23	2.2308	0.181	
26.50	429.5	398.5	88.24	2.2075	0.184	
27.00	432.9	401.8	88.24	2.1852	0.187	
27.50	435.9	404.9	88.24	2.1636	0.190	
28.00	438.8	407.8	88.24	2.1429	0.193	
28.50	441.5	410.5	88.25	2.1228	0.195	
29.00	444.2	413.2	88.25	2.1034	0.197	
29.50	446.9	415.8	88.25	2.0847	0.200	
30.00	449.4	418.3	88.25	2.0667	0.202	
30.50	451.8	420.8	88.25	2.0492	0.204	
31.00	454.1	423.1	88.27	2.0323	0.206	
31.50	456.3	425.3	88.27	2.0159	0.208	
32.00	458.5	427.5	88.27	2.0000	0.210	
32.50	460.6	429.6	88.28	1.9846	0.212	
33.00	462.7	431.7	88.28	1.9697	0.214	
***** End Shut-in 1	33.50	464.6	433.5	88.29	1.9552	0.216
***** Start Flow 2	0.00	30.8	0.0	88.32		
	0.50	32.9	2.1	88.33		
	1.00	35.6	4.8	88.35		
	1.50	35.4	4.6	88.38		
	2.00	36.7	5.9	88.40		
	2.50	35.1	4.3	88.42		
	3.00	36.9	6.1	88.44		
	3.50	38.0	7.2	88.47		
	4.00	38.6	7.8	88.49		
	4.50	35.5	4.7	88.52		
	5.00	37.5	6.7	88.54		
	5.50	39.1	8.3	88.55		
	6.00	39.5	8.7	88.56		
	6.50	36.5	5.7	88.58		
	7.00	38.4	7.6	88.61		
	7.50	40.3	9.5	88.63		
	8.00	42.2	11.4	88.65		
	8.50	43.1	12.3	88.67		
	9.00	37.8	7.0	88.70		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.50	38.7	7.9	88.71		
10.00	39.3	8.5	88.74		
10.50	41.2	10.4	88.76		
11.00	43.3	12.6	88.78		
11.50	45.2	14.4	88.82		
12.00	39.5	8.7	88.84		
12.50	40.2	9.5	88.86		
13.00	40.5	9.7	88.89		
13.50	42.7	11.9	88.91		
14.00	42.4	11.7	88.93		
14.50	39.5	8.8	88.96		
15.00	40.9	10.1	89.00		
15.50	42.5	11.8	89.02		
16.00	44.5	13.8	89.04		
16.50	42.8	12.0	89.08		
17.00	40.5	9.8	89.11		
17.50	41.7	10.9	89.13		
18.00	43.2	12.4	89.16		
18.50	44.9	14.2	89.19		
19.00	46.2	15.4	89.21		
19.50	41.6	10.9	89.24		
20.00	42.0	11.2	89.27		
20.50	42.4	11.7	89.29		
21.00	44.3	13.5	89.32		
21.50	45.9	15.1	89.35		
22.00	47.0	16.2	89.38		
22.50	43.1	12.4	89.41		
23.00	42.8	12.0	89.45		
23.50	43.3	12.5	89.47		
24.00	45.2	14.4	89.50		
24.50	46.9	16.1	89.53		
25.00	48.3	17.6	89.55		
25.50	42.9	12.1	89.59		
26.00	44.0	13.3	89.61		
26.50	44.1	13.3	89.65		
27.00	45.9	15.1	89.68		
27.50	47.6	16.8	89.70		
28.00	48.9	18.1	89.73		
28.50	45.2	14.5	89.76		
29.00	43.7	12.9	89.78		
29.50	44.2	13.4	89.82		
30.00	45.6	14.8	89.83		
30.50	47.4	16.6	89.87		
31.00	48.9	18.1	89.89		
31.50	49.9	19.1	89.92		
32.00	45.7	14.9	89.95		
32.50	44.9	14.1	89.98		
33.00	45.5	14.8	89.99		
33.50	47.0	16.2	90.03		
34.00	48.6	17.8	90.05		
34.50	49.9	19.1	90.09		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	35.00	51.0	20.2	90.11		
	35.50	52.1	21.3	90.13		
	36.00	52.5	21.7	90.15		
	36.50	44.2	13.5	90.18		
	37.00	46.5	15.7	90.21		
	37.50	46.4	15.6	90.24		
	38.00	47.8	17.0	90.26		
	38.50	49.5	18.7	90.28		
	39.00	50.8	20.0	90.30		
	39.50	52.0	21.2	90.33		
	40.00	50.4	19.6	90.35		
	40.50	45.1	14.3	90.39		
	41.00	47.0	16.2	90.41		
	41.50	47.3	16.5	90.43		
***** End Flow 2	42.00	48.9	18.1	90.45		
***** Start Shutin 2	0.00	48.9	0.0	90.45	0.0000	0.002
	0.50	50.5	1.7	90.47	149.0000	0.003
	1.00	52.0	3.1	90.50	75.0000	0.003
	1.50	53.2	4.4	90.51	50.3333	0.003
	2.00	54.6	5.7	90.54	38.0000	0.003
	2.50	55.8	6.9	90.56	30.6000	0.003
	3.00	57.5	8.7	90.58	25.6667	0.003
	3.50	59.5	10.6	90.60	22.1429	0.004
	4.00	61.4	12.6	90.62	19.5000	0.004
	4.50	63.4	14.5	90.65	17.4444	0.004
	5.00	65.4	16.5	90.67	15.8000	0.004
	5.50	67.4	18.5	90.68	14.4545	0.005
	6.00	69.4	20.5	90.71	13.3333	0.005
	6.50	71.3	22.5	90.72	12.3846	0.005
	7.00	73.3	24.4	90.76	11.5714	0.005
	7.50	75.2	26.4	90.78	10.8667	0.006
	8.00	77.2	28.3	90.80	10.2500	0.006
	8.50	79.2	30.3	90.81	9.7059	0.006
	9.00	81.1	32.3	90.83	9.2222	0.007
	9.50	83.1	34.2	90.85	8.7895	0.007
	10.00	85.0	36.1	90.87	8.4000	0.007
	10.50	86.9	38.0	90.89	8.0476	0.008
	11.00	88.7	39.9	90.92	7.7273	0.008
	11.50	90.6	41.8	90.93	7.4348	0.008
	12.00	92.6	43.8	90.95	7.1667	0.009
	12.50	94.5	45.7	90.97	6.9200	0.009
	13.00	96.3	47.5	90.99	6.6923	0.009
	13.50	98.1	49.3	91.01	6.4815	0.01
	14.00	100.0	51.2	91.03	6.2857	0.010
	14.50	102.0	53.2	91.04	6.1034	0.010
	15.00	104.0	55.2	91.06	5.9333	0.011
	15.50	105.9	57.1	91.08	5.7742	0.011
	16.00	107.7	58.8	91.11	5.6250	0.012
	16.50	109.3	60.4	91.12	5.4848	0.012
	17.00	110.8	62.0	91.15	5.3529	0.012
	17.50	112.4	63.5	91.15	5.2286	0.013

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
18.00	113.9	65.1	91.18	5.1111	0.013
18.50	115.5	66.6	91.19	5.0000	0.013
19.00	117.0	68.1	91.21	4.8947	0.014
19.50	118.3	69.5	91.23	4.7949	0.014
20.00	119.6	70.8	91.24	4.7000	0.014
20.50	120.9	72.1	91.26	4.6098	0.015
21.00	122.1	73.3	91.28	4.5238	0.015
21.50	123.3	74.5	91.30	4.4419	0.015
22.00	124.7	75.8	91.31	4.3636	0.016
22.50	126.1	77.2	91.33	4.2889	0.016
23.00	127.7	78.8	91.35	4.2174	0.016
23.50	129.4	80.5	91.36	4.1489	0.017
24.00	131.0	82.2	91.37	4.0833	0.017
24.50	132.8	83.9	91.40	4.0204	0.018
25.00	134.4	85.6	91.41	3.9600	0.018
25.50	135.8	86.9	91.43	3.9020	0.018
26.00	137.4	88.5	91.44	3.8462	0.019
26.50	138.9	90.1	91.46	3.7925	0.019
27.00	140.3	91.5	91.47	3.7407	0.020
27.50	141.8	92.9	91.49	3.6909	0.020
28.00	143.4	94.6	91.50	3.6429	0.021
28.50	145.2	96.3	91.52	3.5965	0.021
29.00	147.0	98.1	91.54	3.5517	0.022
29.50	148.7	99.9	91.55	3.5085	0.022
30.00	150.4	101.6	91.57	3.4667	0.023
30.50	151.9	103.1	91.59	3.4262	0.023
31.00	153.6	104.7	91.60	3.3871	0.024
31.50	155.4	106.5	91.63	3.3492	0.024
32.00	157.0	108.1	91.62	3.3125	0.025
32.50	158.9	110.0	91.64	3.2769	0.025
33.00	160.6	111.8	91.65	3.2424	0.026
33.50	162.7	113.8	91.66	3.2090	0.026
34.00	164.9	116.0	91.69	3.1765	0.027
34.50	166.3	117.5	91.70	3.1449	0.028
35.00	168.4	119.5	91.71	3.1143	0.028
35.50	170.3	121.5	91.72	3.0845	0.029
36.00	173.4	124.5	91.74	3.0556	0.030
36.50	177.5	128.6	91.76	3.0274	0.032
37.00	182.0	133.2	91.76	3.0000	0.033
37.50	186.6	137.7	91.78	2.9733	0.035
38.00	191.1	142.2	91.79	2.9474	0.037
38.50	195.8	146.9	91.81	2.9221	0.038
39.00	200.5	151.6	91.83	2.8974	0.040
39.50	205.2	156.3	91.83	2.8734	0.042
40.00	209.9	161.1	91.86	2.8500	0.044
40.50	214.7	165.8	91.87	2.8272	0.046
41.00	219.5	170.7	91.88	2.8049	0.048
41.50	224.4	175.5	91.90	2.7831	0.050
42.00	229.4	180.5	91.91	2.7619	0.053
42.50	234.4	185.6	91.93	2.7412	0.055
43.00	239.5	190.7	91.93	2.7209	0.057

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

DATE: 12/16/97

TIME: 12:56:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	43.50	244.6	195.8	91.95	2.7011	0.060
	44.00	249.4	200.5	91.97	2.6818	0.062
	44.50	254.1	205.2	91.98	2.6629	0.065
	45.00	258.7	209.9	91.98	2.6444	0.067
	45.50	263.3	214.5	92.00	2.6264	0.069
	46.00	268.0	219.1	92.01	2.6087	0.072
	46.50	272.6	223.8	92.02	2.5914	0.074
	47.00	277.4	228.5	92.05	2.5745	0.077
	47.50	282.3	233.4	92.05	2.5579	0.080
	48.00	287.4	238.5	92.07	2.5417	0.083
	48.50	292.5	243.7	92.07	2.5258	0.086
	49.00	297.6	248.7	92.09	2.5102	0.089
	49.50	302.7	253.8	92.10	2.4949	0.092
	50.00	307.6	258.8	92.10	2.4800	0.095
	50.50	312.5	263.7	92.12	2.4653	0.098
	51.00	317.3	268.4	92.13	2.4510	0.101
	51.50	321.9	273.0	92.14	2.4369	0.104
	52.00	326.2	277.4	92.16	2.4231	0.106
	52.50	330.6	281.7	92.16	2.4095	0.109
	53.00	334.9	286.0	92.17	2.3962	0.112
	53.50	338.9	290.1	92.19	2.3832	0.115
	54.00	342.5	293.7	92.19	2.3704	0.117
	54.50	345.7	296.8	92.20	2.3578	0.120
	55.00	348.9	300.1	92.21	2.3455	0.122
	55.50	352.0	303.2	92.23	2.3333	0.124
	56.00	355.1	306.3	92.24	2.3214	0.126
	56.50	358.1	309.2	92.25	2.3097	0.128
	57.00	361.0	312.2	92.26	2.2982	0.130
	57.50	363.8	314.9	92.26	2.2870	0.132
	58.00	366.4	317.6	92.28	2.2759	0.134
***** End Shut-in 2	58.50	369.1	320.2	92.28	2.2650	0.136
***** Final Hydro.	248.00	1417.3	0.0	92.48		

10860 Pelican Hill Oil&Gas Nuss#1 DST#3 12\16\97

TEST HISTORY

Flag Points

	t(Min.)	P(PSig)
A:	0.00	1475.91
B:	0.00	17.79
C:	32.00	31.01
D:	33.50	464.56
E:	0.00	30.79
F:	42.00	48.85
G:	58.50	369.07
H:	0.00	1417.31

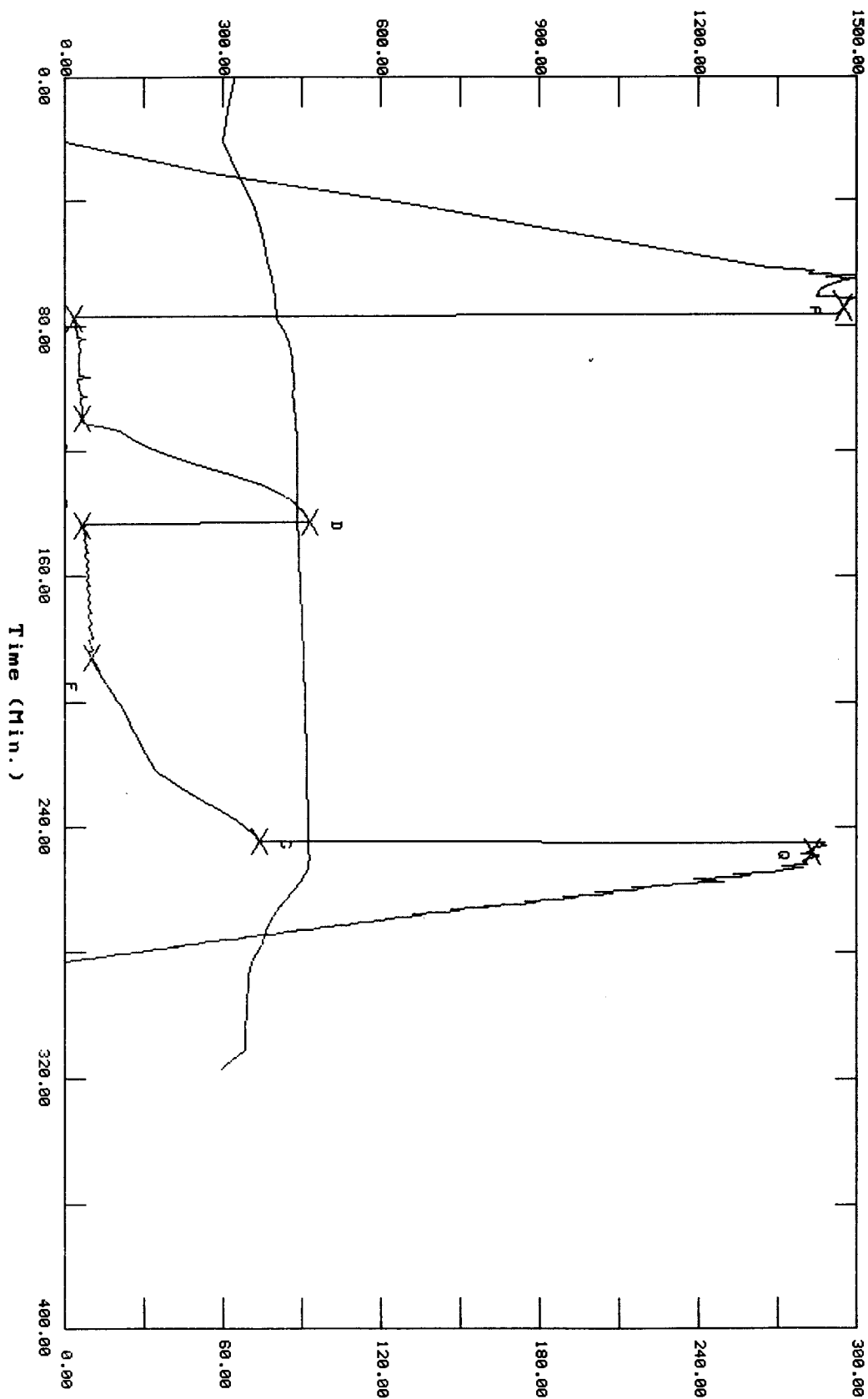
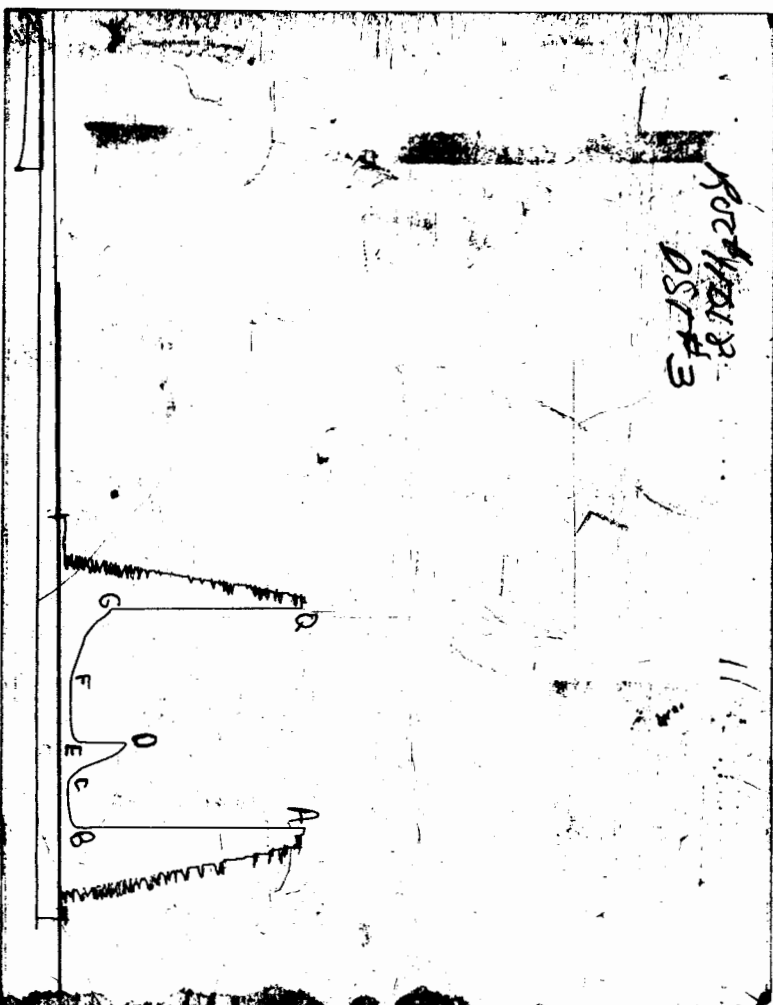


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10860

Well Name & No. NUSS #1 Test No. 3 Date 12/16/97
 Company PELICAN HILL OIL & GAS INC. Zone Tested LKC 6'
 Address 1401 N EL CAMINO REAL SUITE 203 SAN CLEMENTE Elevation 1744 KB 1738 GL
 Co. Rep / Geo. RANDALL KYHAN Cont. VANFELDT DRUG RILL Est. Ft. of Pay Por. %
 Location: Sec. 33 Twp. 14S Rge. 12W Co. RUSSELL State KS
 No. of Copies 106 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 2987 - 2998 Initial Str Wt./Lbs. 32K Unseated Str Wt./Lbs. 33K
 Anchor Length 11' Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs.
 Top Packer Depth 2982 Tool Weight 2K
 Bottom Packer Depth 2987 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 2998 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 0 Vis. 51 WL 11 Drill Pipe Size 4 1/2 XH Ft. Run 2997
 Blow Description 1ST FLOW: FAIR BLOW 3" VERY WEAK BLOWBACK
2ND FLOW: STRONG BLOW 10" WEAK BLOWBACK

Recovery — Total Feet 80 GIP 40 Ft. in DC Ft. in DP 80
 Rec. 20 Feet Of HUD OIL + WATER MUD %gas 30% oil 30% water 40% mud
 Rec. 60 Feet Of OIL + MUD CUT WATER %gas 15% oil 65% water 20% mud
 Rec. Feet Of %gas oil water mud
 Rec. Feet Of %gas oil water mud
 Rec. Feet Of %gas oil water mud

BHT °F Gravity °API D @ °F Corrected Gravity °API
 RW 094 @ 60 °F Chlorides 60,000 ppm Recovery Chlorides 10,000 ppm System

11018
1482 (A) Initial Hydrostatic Mud 1475 PSI Recorder No. 11018 T-Started 1300
26 (B) First Initial Flow Pressure 18 PSI (depth) 2989 T-Open 1415
28 (C) First Final Flow Pressure 31 PSI Recorder No. 3026 ROPD T-Pulled 1700
370 (D) Initial Shut-in Pressure 464 PSI (depth) 2992 T-Out 1900
37 (E) Second Initial Flow Pressure 31 PSI Recorder No.
42 (F) Second Final Flow Pressure 49 PSI (depth)
256 (G) Final Shut-in Pressure 389 PSI Initial Opening 30 Test ✓ 600
1460 (H) Final Hydrostatic Mud 1417 PSI Initial Shut-in 30 Jars
 Final Flow 45 Safety Joint
 Final Shut-in 60 Straddle
 Circ. Sub
 Sampler
 Extra Packer
 Elect. Rec. 0
 Other 150
 TOTAL PRICE \$

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 Randy Kihl
 Our Representative Tom Beck

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill OIL&Gas

DATE 12\17\97

WELL NAME: Nuss#1

KB 1744.00 ft TICKET NO: 10861 DST #4

LOCATION : 33-14S-12W Russell Co. KS

GR 1738.00 ft FORMATION: Gorham sand

INTERVAL : 3182.00 To 3190.00 ft

TD 3190.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 20 Rec.			3026			PF Fr. 0815 to 0835 hr
SI 30 Range(Psi)	0.0	0.0	4995.0	0.0	0.0	IS Fr. 0835 to 0905 hr
SF 20 Clock(hrs)						SF Fr. 0905 to 0925 hr
FS 30 Depth(ft)	0.0	0.0	3184.0	0.0	0.0	FS Fr. 0925 to 0955 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1596.0	0.0	0.0	T STARTED 0700 hr
B. First Flow	0.0	0.0	14.0	0.0	0.0	T ON BOTM 0810 hr
Bl. Final Flow	0.0	0.0	17.0	0.0	0.0	T OPEN 0815 hr
C. In Shut-in	0.0	0.0	71.0	0.0	0.0	T PULLED 0955 hr
D. Init Flow	0.0	0.0	14.0	0.0	0.0	T OUT 1200 hr
E. Final Flow	0.0	0.0	17.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	118.0	0.0	0.0	
G. Final Hydro	0.0	0.0	1570.0	0.0	0.0	
Inside/Outside			i			

RECOVERY

Tot Fluid	5.00 ft of	0.00 ft in DC and	5.00 ft in DP	Unseated Str Wt	32000.00 lbs
5.00	ft of Oil cut mud	20% oil	80% mud	Bot Choke	0.75 in
0.00	ft of			Hole Size	7.88 in
0.00	ft of			D Col. ID	0.00 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	0.00 ft
0.00	ft of			D.P. Length	3187.00 ft
0.00	ft of				
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow: Very weak blow.

Final Flow: No blow.

*Hydraulic tool did not close coming off of bottom may have affected recorder.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	chem
Weight	9.30 lb/cf
Vis.	49.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	93.00 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	John Riedl
Co. Rep.	Randall Kilian
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Nuss#1

LOCATION : 33-14S-12W Russell Co. KS

TICKET No. 10861 D.S.T. No. 4 DATE 12\17\97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 8

TOTAL TOOL 28

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.Stands51 Single Total 3187

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3215

TOTAL DEPTH 3190

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

Could not run 2nd recorder because of the short anchor.

P.O. SUB

C.O. SUB

3163

S.I. TOOL H+T Shut-in

3168

HMV Sterling Hyd

3173

JARS

SAFETY JOINT

PACKER

3177

PACKER

3182

DEPTH

3182

STUBB 1'Stub

3183

ANCHOR

Alpine rec @3184

T.C.

DEPTH

4'perfs

3187

BULLNOSE

T.D. 3Bullplug

3190

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

DATE: 12/17/97

TIME: 06:58:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dt)/dt	P ² /10 ⁶
***** Initial Hydro.	72.50	1596.3	0.0	87.58		
***** Start Flow 1	0.00	13.7	0.0	87.78		
	0.50	13.9	0.2	87.83		
	1.00	14.0	0.3	87.84		
	1.50	14.0	0.3	87.85		
	2.00	14.2	0.5	87.85		
	2.50	14.3	0.6	87.86		
	3.00	14.4	0.7	87.86		
	3.50	14.6	0.9	87.86		
	4.00	14.7	1.0	87.87		
	4.50	14.9	1.1	87.88		
	5.00	14.9	1.2	87.90		
	5.50	15.0	1.3	87.89		
	6.00	15.1	1.4	87.90		
	6.50	15.1	1.4	87.92		
	7.00	15.2	1.4	87.94		
	7.50	15.2	1.5	87.95		
	8.00	15.2	1.5	87.96		
	8.50	15.2	1.5	87.99		
	9.00	15.2	1.5	88.01		
	9.50	15.2	1.5	88.01		
	10.00	15.2	1.5	88.04		
	10.50	15.2	1.5	88.06		
	11.00	15.3	1.5	88.09		
	11.50	15.3	1.5	88.10		
	12.00	15.3	1.6	88.12		
	12.50	15.3	1.5	88.15		
	13.00	15.3	1.6	88.17		
	13.50	15.4	1.7	88.19		
	14.00	15.4	1.7	88.22		
	14.50	15.4	1.6	88.24		
	15.00	15.1	1.4	88.26		
	15.50	15.1	1.4	88.29		
	16.00	15.1	1.3	88.32		
	16.50	15.1	1.4	88.34		
	17.00	15.0	1.3	88.36		
	17.50	14.9	1.2	88.39		
	18.00	14.9	1.1	88.41		
	18.50	14.7	0.9	88.43		
	19.00	14.5	0.8	88.45		
	19.50	14.5	0.8	88.48		
	20.00	14.6	0.8	88.50		
	20.50	14.6	0.9	88.53		
	21.00	13.7	-0.1	88.55		
	21.50	13.9	0.2	88.58		
	22.00	14.2	0.5	88.60		
	22.50	14.4	0.7	88.63		
	23.00	14.7	1	88.66		
	23.50	15.0	1.3	88.69		
	24.00	15.3	1.6	88.71		
	24.50	15.7	2.0	88.75		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

DATE: 12/17/97

TIME: 06:58:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	16.1	2.3	88.76		
	25.50	16.3	2.6	88.80		
***** End Flow 1	26.00	16.7	3.0	88.82		
***** Start Shutin 1	0.00	16.7	0.0	88.82	0.0000	0.000
	0.50	17.2	0.5	88.84	53.0000	0.000
	1.00	17.7	0.9	88.87	27.0000	0.000
	1.50	18.1	1.3	88.90	18.3333	0.000
	2.00	18.5	1.7	88.93	14.0000	0.000
	2.50	18.9	2.1	88.95	11.4000	0.000
	3.00	19.2	2.4	88.98	9.6667	0.000
	3.50	19.7	2.9	89.00	8.4286	0.000
	4.00	20.2	3.4	89.03	7.5000	0.000
	4.50	20.8	4.0	89.05	6.7778	0.000
	5.00	21.4	4.7	89.08	6.2000	0.000
	5.50	22.1	5.3	89.11	5.7273	0.000
	6.00	22.7	5.9	89.13	5.3333	0.001
	6.50	23.3	6.5	89.16	5.0000	0.001
	7.00	23.8	7.1	89.19	4.7143	0.001
	7.50	24.3	7.5	89.22	4.4667	0.001
	8.00	24.9	8.2	89.24	4.2500	0.001
	8.50	25.6	8.8	89.26	4.0588	0.001
	9.00	26.3	9.5	89.29	3.8889	0.001
	9.50	27.0	10.2	89.31	3.7368	0.001
	10.00	27.8	11.0	89.34	3.6000	0.001
	10.50	28.5	11.7	89.35	3.4762	0.001
	11.00	29.2	12.5	89.38	3.3636	0.001
	11.50	29.9	13.2	89.41	3.2609	0.001
	12.00	30.7	14.0	89.44	3.1667	0.001
	12.50	31.5	14.7	89.46	3.0800	0.001
	13.00	32.2	15.5	89.48	3.0000	0.001
	13.50	32.9	16.2	89.50	2.9259	0.001
	14.00	33.8	17.0	89.52	2.8571	0.001
	14.50	34.8	18.0	89.55	2.7931	0.001
	15.00	35.8	19.0	89.57	2.7333	0.001
	15.50	36.8	20.1	89.59	2.6774	0.001
	16.00	37.9	21.1	89.62	2.6250	0.001
	16.50	39.2	22.4	89.64	2.5758	0.002
	17.00	40.4	23.7	89.67	2.5294	0.002
	17.50	41.8	25.0	89.69	2.4857	0.002
	18.00	43.0	26.3	89.71	2.4444	0.002
	18.50	44.5	27.7	89.74	2.4054	0.002
	19.00	45.9	29.2	89.76	2.3684	0.002
	19.50	47.4	30.6	89.80	2.3333	0.002
	20.00	49.0	32.2	89.82	2.3000	0.002
	20.50	50.8	34.0	89.85	2.2683	0.003
	21.00	52.7	35.9	89.88	2.2381	0.003
	21.50	54.7	37.9	89.91	2.2093	0.003
	22.00	56.8	40.0	89.93	2.1818	0.003
	22.50	58.9	42.1	89.95	2.1556	0.003
	23.00	61.2	44.4	89.98	2.1304	0.004
	23.50	63.7	46.9	89.99	2.1064	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

DATE: 12/17/97

TIME: 06:58:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	65.7	49.0	90.02	2.0833	0.004
	24.50	68.5	51.7	90.05	2.0612	0.005
***** End Shut-in 1	25.00	71.5	54.8	90.06	2.0400	0.005
***** Start Flow 2	0.00	13.6	0.0	90.09		
	0.50	14.0	0.4	90.11		
	1.00	13.8	0.3	90.14		
	1.50	13.6	0.1	90.17		
	2.00	13.7	0.1	90.18		
	2.50	13.8	0.2	90.21		
	3.00	13.8	0.2	90.24		
	3.50	13.6	0.1	90.27		
	4.00	13.6	0.1	90.29		
	4.50	13.7	0.1	90.31		
	5.00	13.8	0.2	90.34		
	5.50	13.8	0.2	90.36		
	6.00	13.8	0.2	90.38		
	6.50	13.8	0.2	90.41		
	7.00	13.8	0.2	90.42		
	7.50	13.8	0.2	90.44		
	8.00	13.8	0.2	90.46		
	8.50	13.8	0.2	90.49		
	9.00	13.8	0.2	90.52		
	9.50	13.8	0.2	90.54		
	10.00	13.9	0.3	90.57		
	10.50	13.9	0.3	90.59		
	11.00	14.0	0.4	90.61		
	11.50	14.0	0.4	90.63		
	12.00	14.0	0.5	90.66		
	12.50	14.0	0.4	90.68		
	13.00	14.0	0.4	90.69		
	13.50	14.0	0.4	90.72		
	14.00	13.9	0.4	90.74		
	14.50	13.9	0.3	90.75		
	15.00	13.9	0.3	90.77		
	15.50	13.9	0.3	90.79		
	16.00	13.9	0.3	90.81		
	16.50	13.9	0.3	90.83		
	17.00	13.9	0.3	90.85		
	17.50	13.8	0.2	90.87		
	18.00	13.8	0.2	90.89		
	18.50	13.8	0.2	90.92		
	19.00	13.8	0.2	90.93		
	19.50	13.8	0.2	90.95		
	20.00	13.9	0.3	90.97		
	20.50	13.9	0.3	90.99		
	21.00	13.9	0.3	91.01		
	21.50	13.9	0.3	91.03		
	22.00	13.9	0.3	91.06		
	22.50	13.9	0.4	91.07		
	23.00	13.8	0.2	91.09		
	23.50	13.5	-0.0	91.10		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

DATE: 12/17/97

TIME: 06:58:39

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	13.7	0.1	91.12		
	24.50	14.0	0.4	91.14		
	25.00	14.3	0.8	91.17		
	25.50	14.7	1.1	91.18		
	26.00	15.0	1.4	91.20		
	26.50	15.4	1.8	91.21		
	27.00	15.8	2.2	91.23		
	27.50	16.2	2.6	91.26		
	28.00	16.6	3.0	91.28		
***** End Flow 2	28.50	17.0	3.4	91.31		
***** Start Shutin 2	0.00	17.0	0.0	91.31	0.0000	0.000
	0.50	17.5	0.5	91.33	110.0000	0.000
	1.00	18.0	1	91.35	55.5000	0.000
	1.50	18.4	1.4	91.37	37.3333	0.000
	2.00	18.9	1.9	91.38	28.2500	0.000
	2.50	19.4	2.4	91.41	22.8000	0.000
	3.00	19.9	2.9	91.44	19.1667	0.000
	3.50	20.5	3.4	91.46	16.5714	0.000
	4.00	21.0	4.0	91.49	14.6250	0.000
	4.50	21.6	4.6	91.50	13.1111	0.000
	5.00	22.1	5.1	91.53	11.9000	0.000
	5.50	22.8	5.8	91.56	10.9091	0.001
	6.00	23.4	6.4	91.59	10.0833	0.001
	6.50	24.1	7.1	91.61	9.3846	0.001
	7.00	24.8	7.8	91.63	8.7857	0.001
	7.50	25.5	8.5	91.65	8.2667	0.001
	8.00	26.2	9.2	91.67	7.8125	0.001
	8.50	27.0	10.0	91.68	7.4118	0.001
	9.00	27.8	10.8	91.70	7.0556	0.001
	9.50	28.7	11.7	91.73	6.7368	0.001
	10.00	29.5	12.5	91.74	6.4500	0.001
	10.50	30.4	13.4	91.76	6.1905	0.001
	11.00	31.4	14.4	91.77	5.9545	0.001
	11.50	32.3	15.3	91.79	5.7391	0.001
	12.00	33.4	16.4	91.80	5.5417	0.001
	12.50	34.5	17.5	91.82	5.3600	0.001
	13.00	35.7	18.6	91.84	5.1923	0.001
	13.50	36.8	19.8	91.86	5.0370	0.001
	14.00	38.1	21.1	91.86	4.8929	0.001
	14.50	39.4	22.4	91.88	4.7586	0.002
	15.00	40.8	23.8	91.90	4.6333	0.002
	15.50	42.3	25.3	91.91	4.5161	0.002
	16.00	43.8	26.8	91.92	4.4062	0.002
	16.50	45.5	28.5	91.94	4.3030	0.002
	17.00	47.2	30.2	91.95	4.2059	0.002
	17.50	49.1	32.1	91.96	4.1143	0.002
	18.00	51.1	34.1	91.98	4.0278	0.003
	18.50	53.2	36.2	91.99	3.9459	0.003
	19.00	55.4	38.4	92.01	3.8684	0.003
	19.50	57.8	40.8	92.01	3.7949	0.003
	20.00	60.5	43.5	92.04	3.7250	0.004

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

DATE: 12/17/97

TIME: 06:58:39

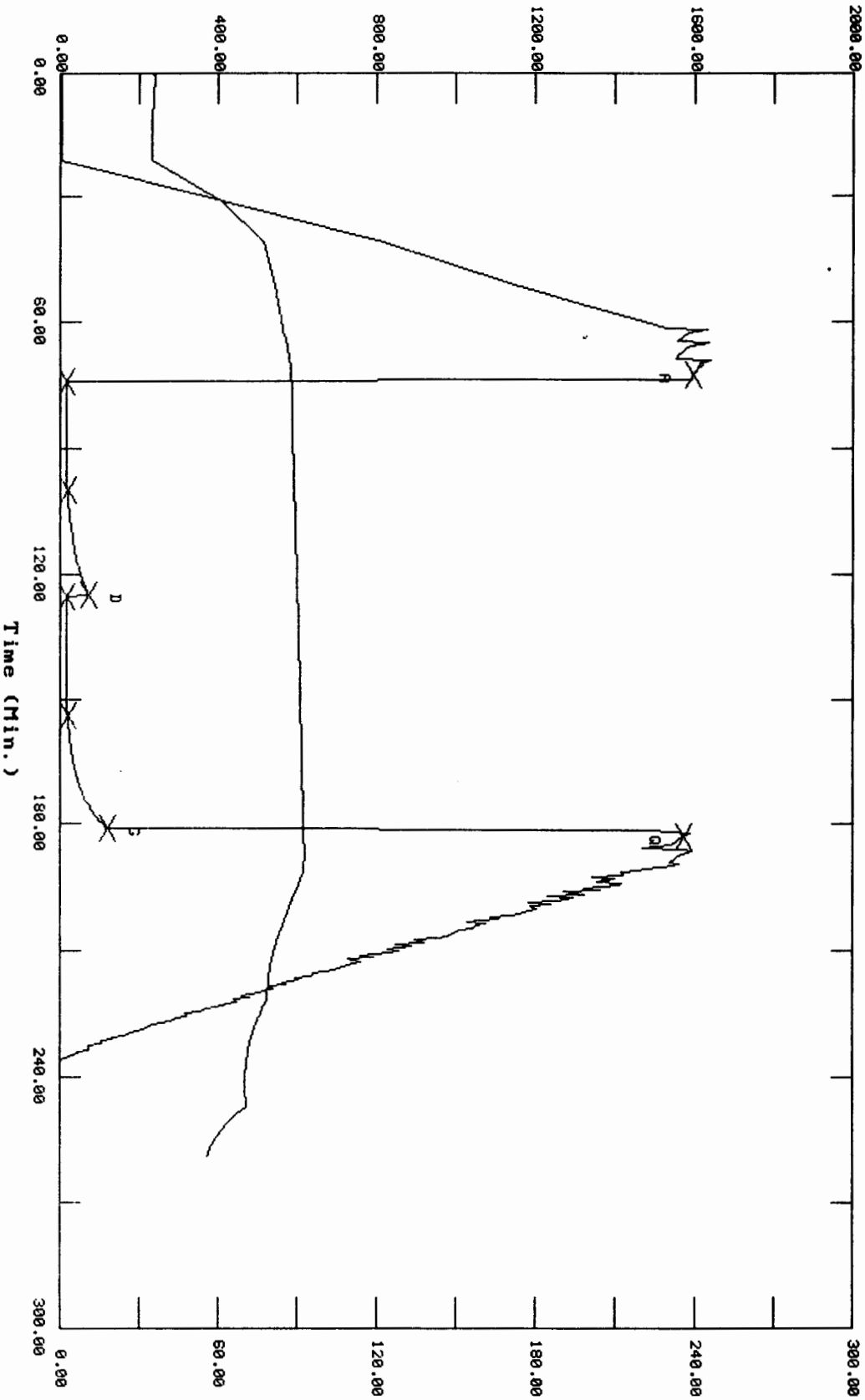
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.50	63.3	46.3	92.05	3.6585	0.004
	21.00	66.2	49.2	92.06	3.5952	0.004
	21.50	69.5	52.5	92.07	3.5349	0.005
	22.00	72.7	55.7	92.10	3.4773	0.005
	22.50	75.2	58.2	92.12	3.4222	0.006
	23.00	78.9	61.9	92.12	3.3696	0.006
	23.50	82.4	65.4	92.14	3.3191	0.007
	24.00	86.0	69.0	92.16	3.2708	0.007
	24.50	90.7	73.7	92.17	3.2245	0.008
	25.00	95.2	78.2	92.18	3.1800	0.009
	25.50	100.7	83.7	92.21	3.1373	0.010
	26.00	104.6	87.6	92.21	3.0962	0.011
	26.50	109.9	92.8	92.23	3.0566	0.012
***** End Shut-in 2	27.00	116.8	99.8	92.24	3.0185	0.014
***** Final Hydro.	183.00	1570.6	0.0	92.35		

TEST HISTORY

10861 Pelican Hill Oil & Gas Nuss#1 DST#4 12\17\97

Flag Points

t (Min.)	P (PSig)
A: 0.00	1596.33
B: 0.00	13.72
C: 26.00	16.75
D: 25.00	71.50
E: 0.00	13.58
F: 28.50	17.01
G: 27.00	116.84
Q: 0.00	1570.64



Temperature (DEG F)

Pressure (PSig)

Time (Min.)

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

01770658.026
No 10861

Test Ticket

Well Name & No.	<u>NUSS #1</u>	Test No.	<u>4</u>	Date	<u>12/17/98</u>
Company	<u>PELICAN HILL OIL & GAS INC.</u>	Zone Tested	<u>GORHAM SAND</u>		
Address	<u>1401 N EL CAMINO REAL SUITE 203 SAN CLEMENTE</u>		Elevation	<u>1744</u> KB	<u>1738</u> GL
Co. Rep / Geo.	<u>RANDALL KILIAN</u>	Cont.	<u>VONFELDT DRILLING</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>33</u>	Twp.	<u>14S</u>	Rge.	<u>12W</u> Co. <u>RUSSELL</u> State <u>KS</u>
No. of Copies	<u>866</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N)	<u>N</u>	Evaluation (Y, N)	<u>N</u>

Interval Tested	<u>3182-3190</u>	Initial Str Wt./Lbs.	<u>32K</u>	Unseated Str Wt./Lbs.	<u>32K</u>
Anchor Length	<u>8'</u>	Wt. Set Lbs.	<u>20K</u>	Wt. Pulled Loose/Lbs.	<u>50K</u>
Top Packer Depth	<u>3177</u>	Tool Weight	<u>2K</u>		
Bottom Packer Depth	<u>3182</u>	Hole Size — 7 7/8"	<u>V</u>	Rubber Size — 6 3/4"	<u>V</u>
Total Depth	<u>3190</u>	Wt. Pipe Run	<u>0</u>	Drill Collar Run	<u>0</u>
Mud Wt.	<u>9.3</u> LCM <u>0</u> Vis. <u>49</u> WL <u>9.6</u>	Drill Pipe Size	<u>4 1/2 x H</u>	Ft. Run	<u>3187</u>
Blow Description <u>1ST FLOW: VERY WEAK BLOW</u>					
<u>2ND FLOW: NO BLOW</u>					

HYDRAULIC TOOL DID NOT CLOSE COMING OFF BTM MAY OF EFFECTIVE REC.

Recovery — Total Feet	<u>5</u>	GIP	<u>-</u>	Ft. in DC	<u>-</u>	Ft. in DP	<u>5</u>
Rec.	<u>50</u>	Feet Of	<u>OIL CUT MUD</u>	%gas	<u>20</u>	%oil	<u>80</u>
Rec.		Feet Of		%gas		%oil	
Rec.		Feet Of		%gas		%oil	
Rec.		Feet Of		%gas		%oil	
Rec.		Feet Of		%gas		%oil	
BHT	<u>93</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u>
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	<u>9,000</u>
(A) Initial Hydrostatic Mud	<u>1596</u>	PSI	Recorder No.	<u>3026</u>	T-Started	<u>0700</u>	
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth)	<u>3184</u>	T-Open	<u>0815</u>	
(C) First Final Flow Pressure	<u>17</u>	PSI	Recorder No.	<u>-</u>	T-Pulled	<u>0955</u>	
(D) Initial Shut-in Pressure	<u>21</u>	PSI	(depth)	<u>-</u>	T-Out	<u>1200</u>	
(E) Second Initial Flow Pressure	<u>14</u>	PSI	Recorder No.	<u>-</u>			
(F) Second Final Flow Pressure	<u>17</u>	PSI	(depth)	<u>-</u>			
(G) Final Shut-in Pressure	<u>118</u>	PSI	Initial Opening	<u>20</u>	Test	<u>V 600"</u>	
(H) Final Hydrostatic Mud	<u>1570</u>	PSI	Initial Shut-in	<u>30</u>	Jars		

Final Flow	<u>20</u>	Safety Joint	
Final Shut-in	<u>30</u>	Straddle	
	<u>-</u>	Circ. Sub	
	<u>-</u>	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

Our Representative

Extra Packer

Elect. Rec.

Other

TOTAL PRICE \$

V 150.00

750.00