

L CONSERVATION DIVISIO

RECEIVED

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

FEB - 7 1992

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/8/92			
Company Collins & Ware, Inc.				Connection			
Pool <i>Malaga Atoka</i>				Formation Atoka Bank		Unit	
Completion Date 1-3-92		Total Depth 12144		Plug Back TD		Elevation	
Form or Lease Name Pecos Valley "7"				Well No. 1			
Ceq. Size	Wt.	d	Set At	Perforations: From 12074 To 12086			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 12045	Perforations: From To		Unit Sec. Twp. Rge. C 7 24S 29E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 12045		County Eddy	
Producing Thru 12080		Reservoir Temp. °F 192 12037		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.20	
State New Mexico							
L 12080	H 12080	G _g .577	% CO ₂ 0	% N ₂ 0	% H ₂ S 0	Prover 0	Meter Run 4.0
Taps Flange							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	of Flow
SI							2913	192			48.0
1.	4.03 X 1.000			127	21.0	65	2843	192	0	0	1.0
2.	4.03 X 1.000			215	35.8	83	2760	192	0	0	1.0
3.	4.03 X 1.000			371	64.8	90	2583	192	0	0	1.0
4.	4.03 X 1.000			583	68.7	99	2385	192	0	0	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.75	54.26	140.2	0.9952	1.3165	1.0109	342
2	4.75	90.39	228.2	0.9786	1.3165	1.0158	562
3	4.75	157.79	384.2	0.9723	1.3165	1.0255	984
4	4.75	201.65	596.2	0.9645	1.3165	1.0371	1262
5							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.21	525	1.49	0.979	.000	
2	0.34	543	1.55	0.969		
3	0.57	550	1.57	0.951		
4	0.89	559	1.59	0.930		
5						

NO.	P _f	P _s	P _f ²	P _s ²	P _f ² - P _s ²
1	2188	4785	238		
2	2125	4514	510		
3	1989	3958	1066		
4	1839	3383	1641		
5					

(1) $\frac{P_f^2}{P_f^2 - P_s^2} = 3.0624$
 (2) $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 2.1617$
 AOF = Q $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 2774.9$
 Post ID-2
 5-27-92
 comp & BK

Absolute Open Flow 2774.9 Mcfd @ 15.025		Angle of Slope 55.44	Slope, n 0.6888
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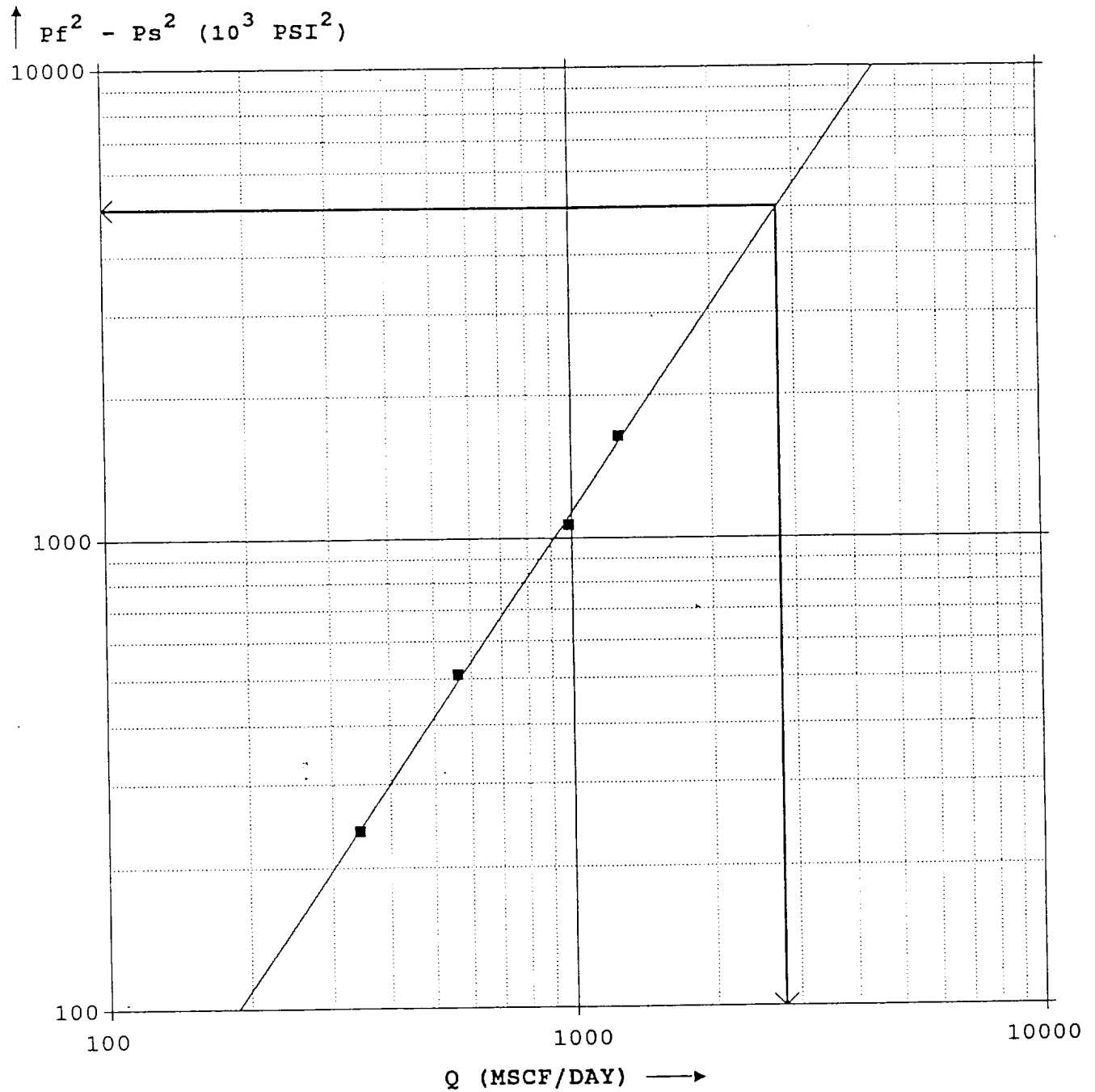
Remarks: AOF calculated from BHP received from electronic gauge---instrument #20297

Approved By Division	Conducted By: Schlumberger	Calculated By: <i>Ken E. Woods</i>	Checked By:
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BACK PRESSURE CURVE

CLIENT: Collins & Ware, Inc.
WELL: Pecos Valley "7" #1

Test Date: 08-JAN-1992
County: Eddy, New Mexico



Well Tester: Jerry Brooks / JEW
SCHLUMBERGER Testing

$\theta = 55.440$ degrees
 $n = 0.6888$
AOF = 2774.9 MSCF/DAY

REPORT NO.
129562

PAGE NO. 1

TEST DATE:
8-Jan-1992

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: Collins & Ware Inc.		WELL: Pecos Valley "7" #1	
TEST IDENTIFICATION Test Type S/L & PTS Test No. One Formation Atoka Bank Test Interval (ft) 12074 to 12086		WELL LOCATION Field Malaga Atoka County Eddy State New Mexico Sec/Twn/Rng 7/24s/29e	
COMPLETION CONFIGURATION Total Depth (MD/TVD) (ft) 12144 Casing/Liner I.D. (in) / 4.50 Hole Size (in) Perforated Interval (ft) 12074 to 12086 Shot Density (shots/ft) Perforation Diameter (in) Net Pay (ft) 12		TEST STRING CONFIGURATION Tubing Length (ft)/I.D. (in) .. 12045/1.995 Tubing Length (ft)/I.D. (in) .. Packer Depth (ft) 12045, Gauge Depth (ft)/Type 12037/SB20297 Downhole Valve (Y/N)/Type	
INTERPRETATION RESULTS Model of Behavior Fluid Type Used for Analysis.. Reservoir Pressure (psi) Transmissibility (md.ft/cp) .. Effective Permeability (md) .. Skin Factor Storativity Ratio, Omega Interporos.Flow Coef., Lambda.. Distance to an Anomaly (ft) .. Radius of Investigation (ft) ..		TEST CONDITIONS Tbg/Wellhead Pressure (psi) .. 2225 (Shutin) Separator Pressure (psi)	
		ROCK/FLUID/WELLBORE PROPERTIES Oil Density (deg. API) Basic Solids (%) Gas Gravity 0.577 GOR (scf/STB) Dry Gas Water Cut (%) Viscosity (cp) Total Compressibility (1/psi).. Porosity (%) 10 Reservoir Temperature (F) 192 Form.Vol.Factor (bbl/STB)	

LAST RATE DURING TEST: 1167 MCF/D

COMMENTS:

The following is a basic data report of a four-point and buildup test performed on the Pecos Valley "7" #1 well. The log-log diagnostic and Horner plots were constructed with an effective producing time of 7.10 hours. The behavior of the tested interval appears to be homogenous with no apparent boundaries. The New Mexico C-122 with the AOFP presentation are included in the appendix of this report. If any questions exist, contact Terry Woods at (915) 694-1986. Thanks for using Schlumberger.

WELL TEST INTERPRETATION REPORT #:129562		PAGE: 2,
CLIENT : Collins & Co Inc.		14-JAN-92
REGION :WTD	SEQUENCE OF EVENTS	FIELD:Malaga Atoka
DISTRICT:Midland		ZONE :Atoka Bank
BASE :Hobbs		WELL :Pecos Valley 7
ENGINEER:Scott/Brooks		LOCATION:7/24s/29e

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
=====					
08-JAN	06:30	Arr. Loc.. Well shut in.	-697		
	09:06	Gradient Stop 0'	-541	2233	2231
	09:20	Gradient Stop 2000'	-527	2358	
	09:32	Gradient Stop 4000'	-515	2480	
	09:44	Gradient Stop 6000'	-503	2594	
	09:56	Gradient Stop 8000'	-491	2708	
	10:08	Gradient Stop 10000'	-479	2818	
	10:18	Gradient Stop 11000'	-469	2870	
	10:27	Gradient Stop 11500'	-460	2898	
	10:37	Gradient Stop 12044'	-450	2923	
	11:00	Open well start 4-Points well open 4/64" choke	-427	2913	2231
	12:00	Changed Choke to 7/64"	-367	2843	2169
	13:00	Changed Choke to 9/64"	-307	2760	2099
	14:00	Changed Choke to 10/64"	-247	2583	1953
	18:07	END FLOW & START SHUTIN	0	2262	1694
10-JAN	06:30	Arr. Loc. Well shut in	2183		2225
	07:00	Off bottom with gauges	2213	2918	
	08:30	Off location	2303		

WELL TEST INTERPRETATION REPORT #:129562		PAGE: 4,
CLIENT : Collins & W. Inc.		13-JAN-92
REGION :WTD	Production Report cont.	FIELD:Malaga Atoka
DISTRICT:Midland		ZONE :Atoka Bank
BASE :Hobbs		WELL :Pecos Valley 7
ENGINEER:Scott/Brooks		LOCATION:7/24s/29e

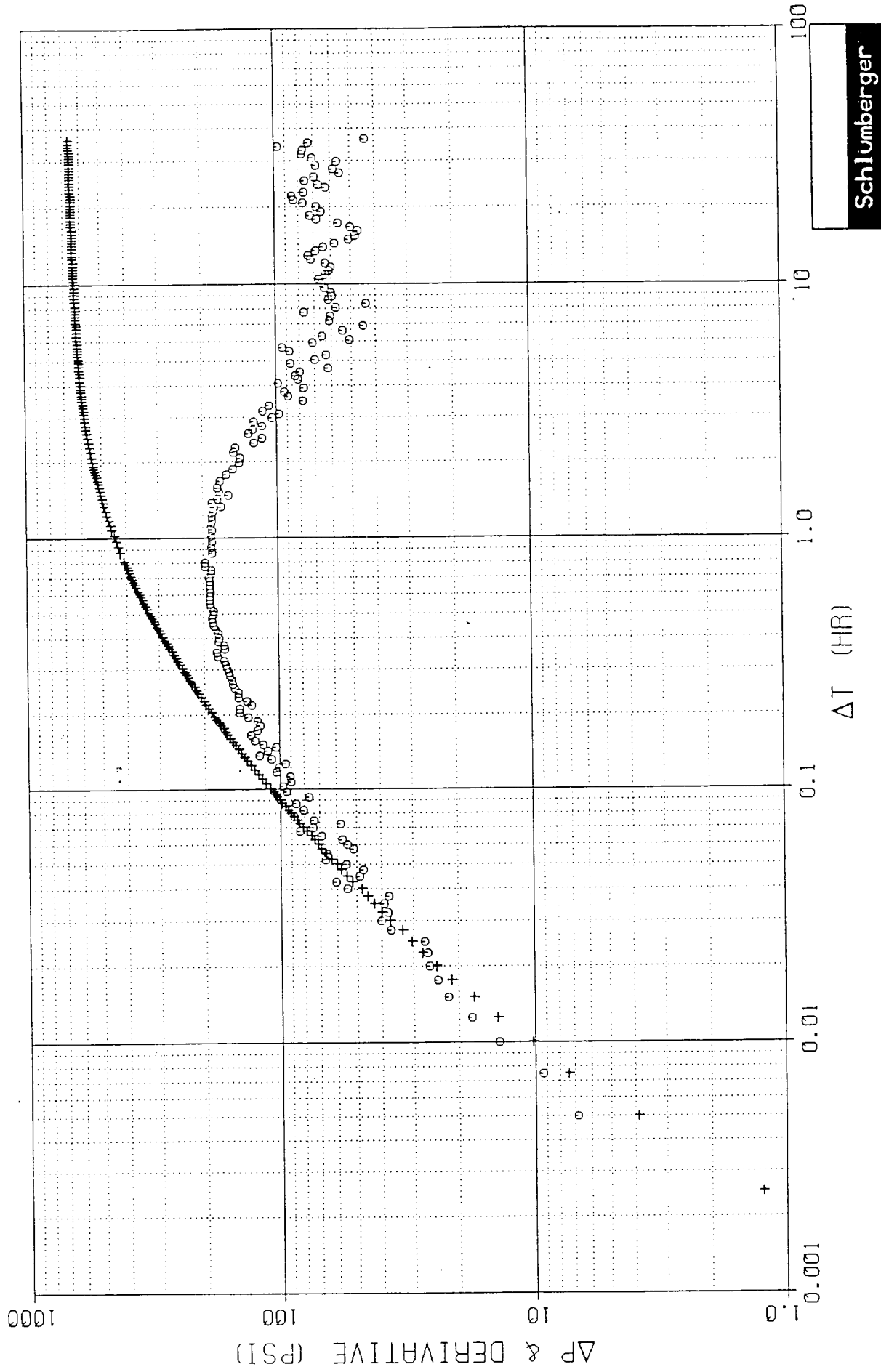
DATE OR TIME	WLLHD PSIG	HEATER CHOKE	ORIF SIZE INCH	STAT PSIG	DIFF INCH WATER	WIR. R DEG F	GAS GRAV	GAS RATE MCF/D	OIL CUMUL BBL	OIL RATE BBL/D	WATER CUMUL BBL	WATER RATE BBL/D	GAS OIL RATIO
8-JAN													
17:00	1716	10/64	1.000	582	60.0	92	.577	1194.24					
17:00	1710	10/64	1.000	588	59.0	92	.577	1190.63					
17:15	1705	10/64	1.000	587	58.2	92	.577	1181.47					
17:30	1699	10/64	1.000	583	57.8	92	.577	1173.19					
17:45	1694	10/64	1.000	583	57.2	92	.577	1167.09					
18:00	1694	10/64	1.000	583	57.2	92	.577	1167.09					
18:07													
18:07													

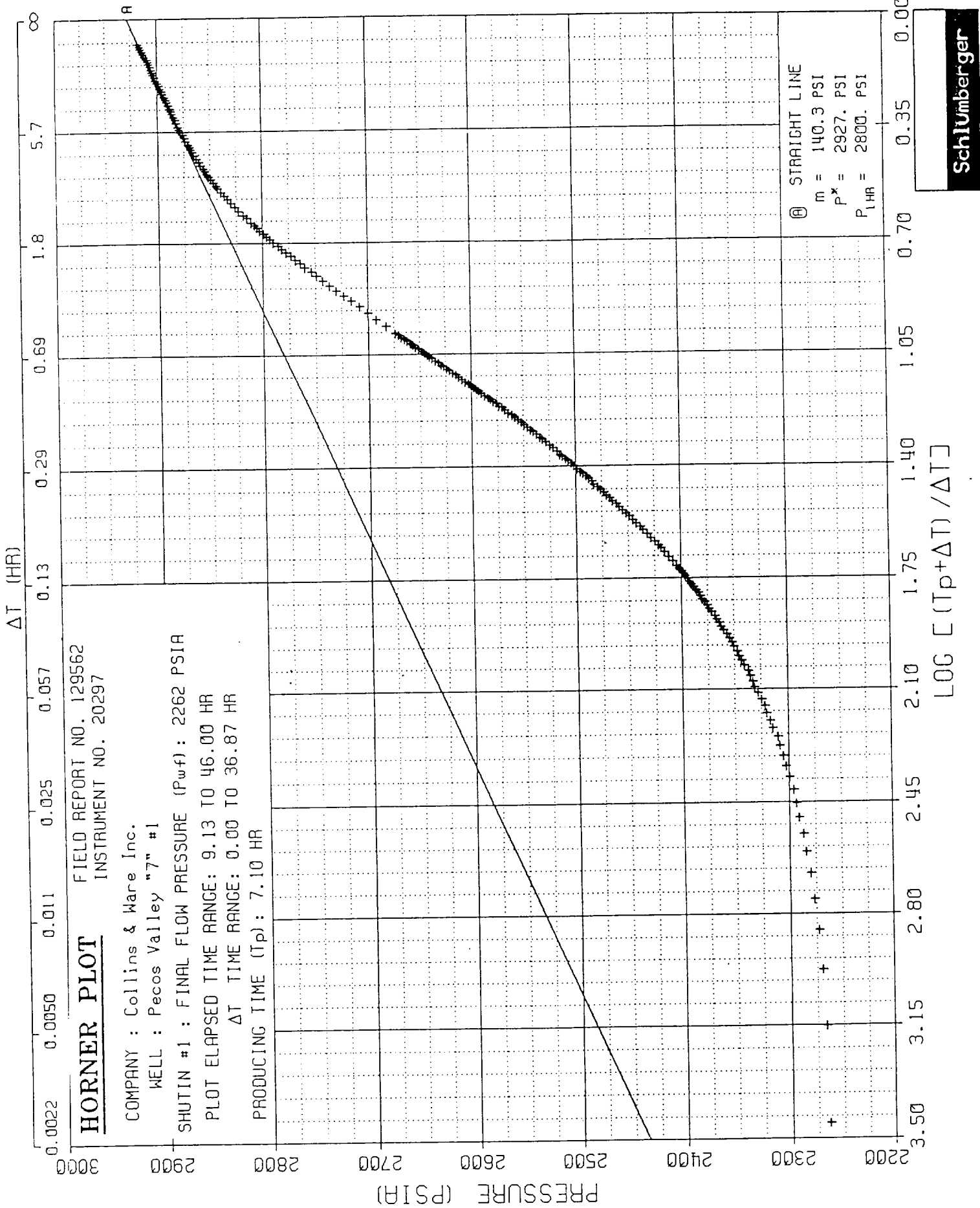
Shut in well for buildup. Schlumberger leave location.

LOG LOG PLOT

COMPANY : Collins & Ware Inc.
WELL : Pecos Valley "7" #1
FIELD REPORT NO. 129562
INSTRUMENT NO. 20297

SHUTIN #1 : PRODUCING TIME (Tp): 7.10 HR
FINAL FLOW PRESSURE (Pwf): 2262 PSIA
PLOT ELAPSED TIME RANGE: 9.13 TO 46.00 HR
ΔT TIME RANGE: 0.00 TO 36.87 HR

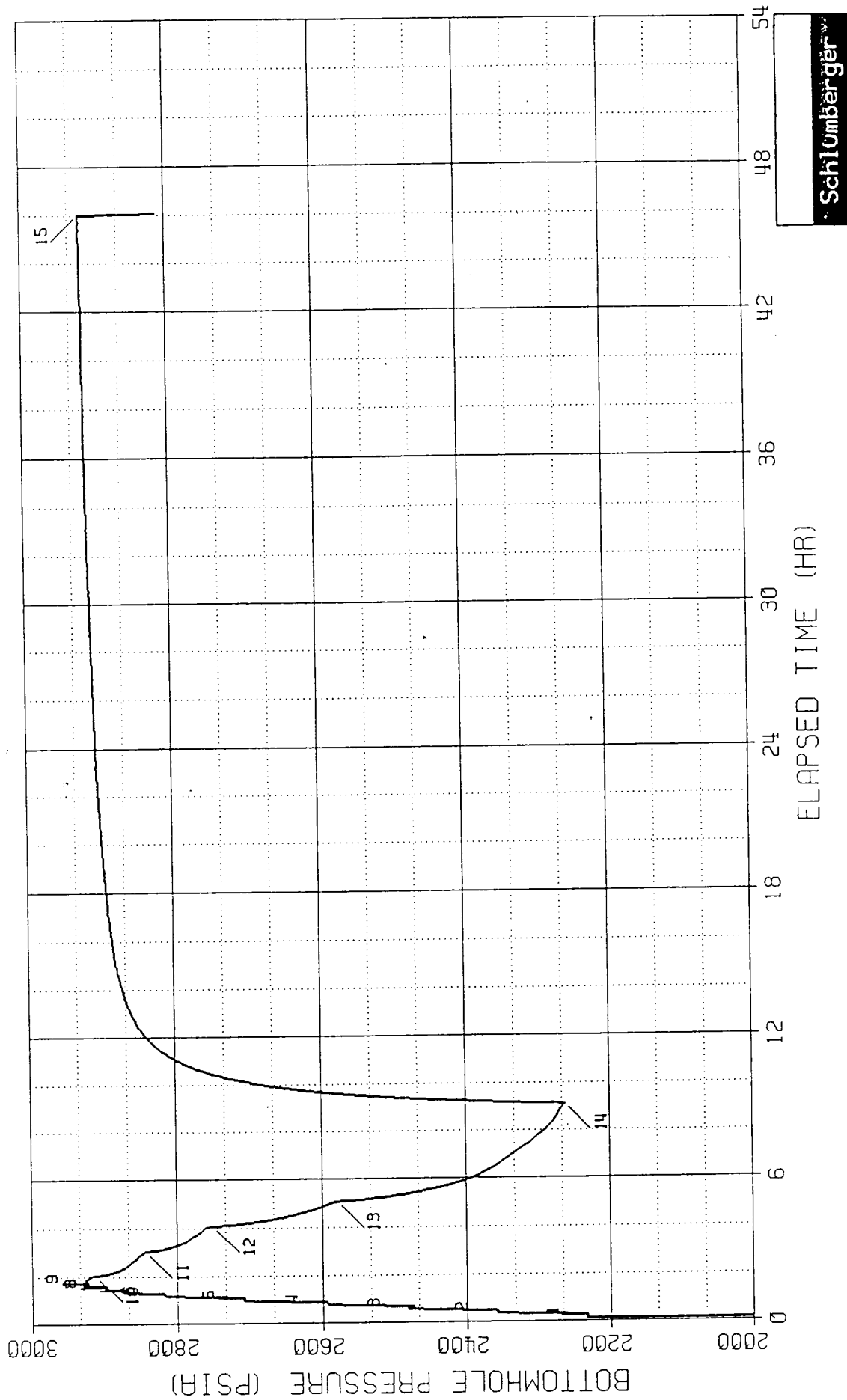




BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 129562 COMPANY : Collins & Ware Inc.
INSTRUMENT NO. 20297 WELL : Pecos Valley "7" #1
DEPTH : 12044 FT
CAPACITY : 10014 PSI
PORT OPENING : INSIDE

Electronic Pressure Data



TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2262.08 PSIA
PRODUCING TIME = 7.097 HR

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
9:11:00	9-JAN	24.200	15.070	192.70	2904.19	642.11	0.1676
10:11:00	9-JAN	25.200	16.070	192.70	2905.13	643.05	0.1588
11:11:00	9-JAN	26.200	17.070	192.69	2906.04	643.96	0.1510
12:11:00	9-JAN	27.200	18.070	192.67	2906.99	644.91	0.1439
13:11:00	9-JAN	28.200	19.070	192.70	2908.05	645.97	0.1374
14:11:00	9-JAN	29.200	20.070	192.70	2908.95	646.87	0.1315
15:11:00	9-JAN	30.200	21.070	192.71	2909.89	647.81	0.1261
16:11:00	9-JAN	31.200	22.070	192.68	2910.88	648.80	0.1211
17:11:00	9-JAN	32.200	23.070	192.71	2911.77	649.69	0.1165
18:11:00	9-JAN	33.200	24.070	192.68	2912.34	650.26	0.1122
19:11:00	9-JAN	34.200	25.070	192.68	2913.03	650.95	0.1083
20:11:00	9-JAN	35.200	26.070	192.69	2913.63	651.55	0.1046
21:11:00	9-JAN	36.200	27.070	192.72	2914.13	652.05	0.1011
22:11:00	9-JAN	37.200	28.070	192.71	2914.48	652.40	0.0979
23:11:00	9-JAN	38.200	29.070	192.73	2914.98	652.90	0.0949
0:11:00	10-JAN	39.200	30.070	192.73	2915.37	653.29	0.0920
1:11:00	10-JAN	40.200	31.070	192.73	2915.71	653.63	0.0893
2:11:00	10-JAN	41.200	32.070	192.74	2916.27	654.19	0.0868
3:11:00	10-JAN	42.200	33.070	192.74	2916.61	654.53	0.0844
4:11:00	10-JAN	43.200	34.070	192.73	2917.08	655.00	0.0822
5:11:00	10-JAN	44.200	35.070	192.74	2917.60	655.52	0.0800
6:11:00	10-JAN	45.200	36.070	192.76	2918.31	656.23	0.0780
6:59:00	10-JAN	46.000	36.870	192.76	2918.19	656.11	0.0765

BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 129562

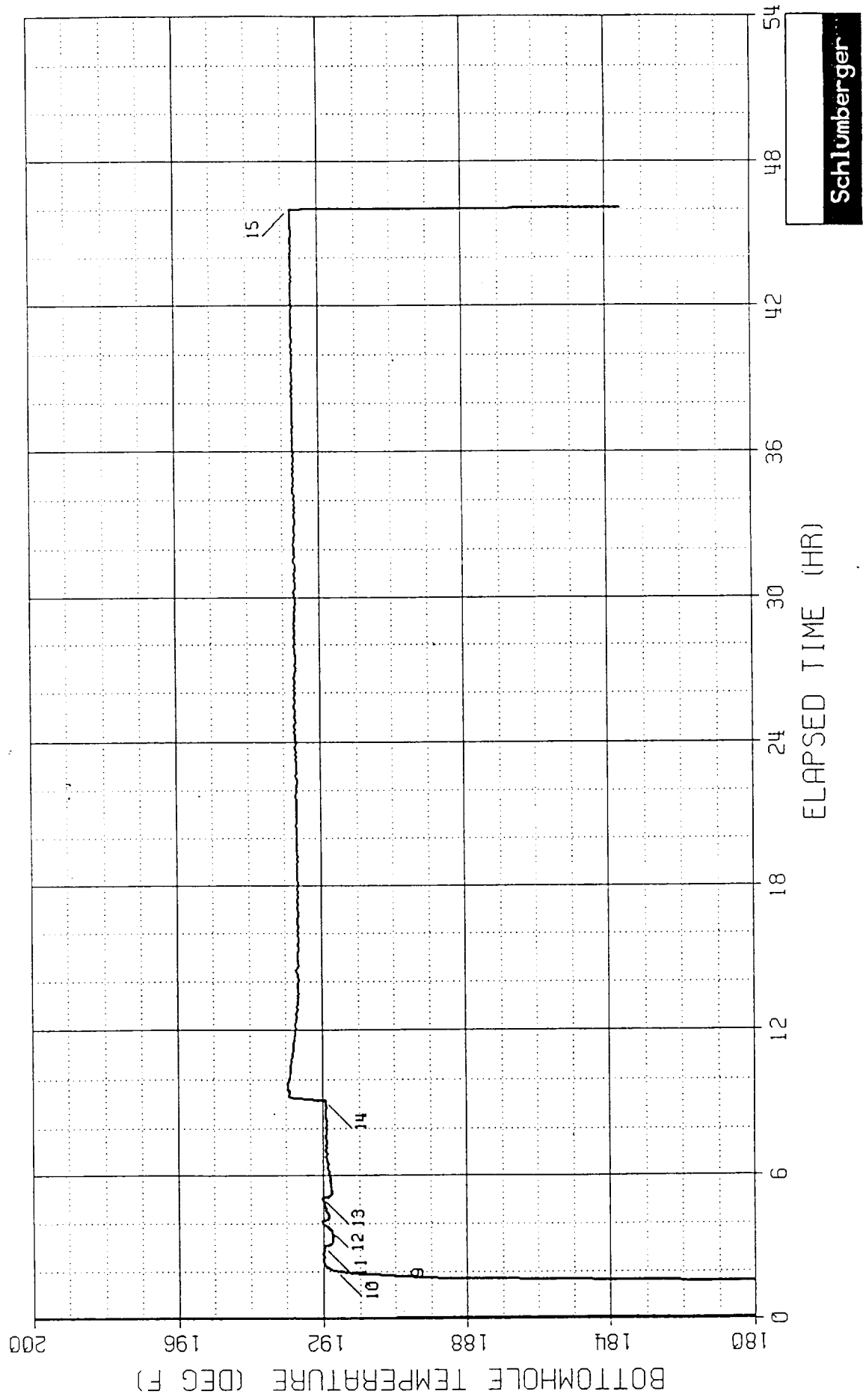
COMPANY : Collins & Ware Inc.

INSTRUMENT NO. 20297

WELL : Pecos Valley "7" #1

DEPTH : 12044 FT

Electronic Temperature Data



 ** WELL TEST DATA PRINTOUT **

COMPANY: Collins & Ware Inc.
 WELL: Pecos Valley "7" #1

FIELD REPORT NO. 129562
 INSTRUMENT NO. 20297

RECORDER CAPACITY: 10014 PSI PORT OPENING: INSIDE DEPTH: 12044 FT

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MMM	EXPLANATION	ELAPSED TIME, HR	BOT HOLE PRESSURE PSIA	BOT HOLE TEMP. DEG F	DEPTH FT
1	9:11:00	8-JAN	GRADIENT STOP	0.200	2232.83	56.74	0.0
2	9:25:00	8-JAN	GRADIENT STOP	0.433	2358.12	71.16	2000.0
3	9:37:00	8-JAN	GRADIENT STOP	0.633	2480.50	85.34	4000.0
4	9:49:00	8-JAN	GRADIENT STOP	0.833	2594.16	102.42	6000.0
5	10:01:00	8-JAN	GRADIENT STOP	1.033	2708.11	125.39	8000.0
6	10:13:00	8-JAN	GRADIENT STOP	1.233	2817.82	149.23	10000.0
7	10:23:00	8-JAN	GRADIENT STOP	1.400	2870.36	166.85	11000.0
8	10:31:00	8-JAN	GRADIENT STOP	1.533	2897.63	177.48	11500.0
9	10:43:00	8-JAN	GRADIENT STOP	1.733	2922.74	188.39	12044.0
10	11:01:00	8-JAN	START FLOW	2.033	2912.63	191.67	
11	12:01:00	8-JAN	CHANGED CHOKE	3.033	2843.39	191.99	
12	13:02:00	8-JAN	CHANGED CHOKE	4.050	2759.54	192.04	
13	14:01:00	8-JAN	CHANGED CHOKE	5.033	2583.35	192.04	
14	18:06:48	8-JAN	END FLOW & START SHUT-IN	9.130	2262.08	191.95	
15	6:59:00	10-JAN	END SHUT-IN	46.000	2918.19	192.76	

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	2.033	9.130	7.097	2912.63	2262.08	2912.63

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, HR
1	9.130	46.000	36.870	2262.08	2918.19	2262.08	7.097

TEST PHASE: FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
11:01:00	8-JAN	2.033	0.000	191.67	2912.63
11:06:00	8-JAN	2.117	0.083	191.81	2897.36
11:14:00	8-JAN	2.250	0.217	191.91	2881.59
11:19:00	8-JAN	2.333	0.300	191.97	2874.57
11:24:00	8-JAN	2.417	0.383	191.99	2870.19
11:29:00	8-JAN	2.500	0.467	191.99	2865.82
11:34:00	8-JAN	2.583	0.550	191.98	2862.00
11:39:00	8-JAN	2.667	0.633	192.00	2859.08
11:44:00	8-JAN	2.750	0.717	191.99	2854.88
11:49:00	8-JAN	2.833	0.800	191.97	2852.87
11:54:00	8-JAN	2.917	0.883	191.98	2848.67
11:59:00	8-JAN	3.000	0.967	191.97	2845.63
12:04:00	8-JAN	3.083	1.050	191.89	2830.39
12:09:00	8-JAN	3.167	1.133	191.76	2814.70
12:14:00	8-JAN	3.250	1.217	191.72	2804.77
12:19:00	8-JAN	3.333	1.300	191.73	2797.52
12:24:00	8-JAN	3.417	1.383	191.73	2791.30
12:29:00	8-JAN	3.500	1.467	191.73	2784.74
12:34:00	8-JAN	3.583	1.550	191.75	2780.06
12:39:00	8-JAN	3.667	1.633	191.75	2775.47
12:44:00	8-JAN	3.750	1.717	191.79	2770.99
12:49:00	8-JAN	3.833	1.800	191.84	2767.29
12:54:00	8-JAN	3.917	1.883	191.92	2764.60
12:59:00	8-JAN	4.000	1.967	192.02	2761.74
13:04:00	8-JAN	4.083	2.050	192.01	2742.06
13:09:00	8-JAN	4.167	2.133	191.85	2711.20
13:14:00	8-JAN	4.250	2.217	191.83	2688.39
13:19:00	8-JAN	4.333	2.300	191.85	2669.94
13:24:00	8-JAN	4.417	2.383	191.85	2654.38
13:29:00	8-JAN	4.500	2.467	191.91	2641.28
13:34:00	8-JAN	4.583	2.550	191.93	2629.18
13:39:00	8-JAN	4.667	2.633	191.93	2619.41
13:44:00	8-JAN	4.750	2.717	191.96	2609.70
13:49:00	8-JAN	4.833	2.800	191.98	2600.35
13:54:00	8-JAN	4.917	2.883	191.99	2593.14
13:59:00	8-JAN	5.000	2.967	192.03	2586.22
14:04:00	8-JAN	5.083	3.050	191.92	2564.13
14:09:00	8-JAN	5.167	3.133	191.80	2532.01
14:14:00	8-JAN	5.250	3.217	191.77	2506.71
14:19:00	8-JAN	5.333	3.300	191.77	2486.33
14:24:00	8-JAN	5.417	3.383	191.77	2469.29
14:29:00	8-JAN	5.500	3.467	191.79	2454.41
14:34:00	8-JAN	5.583	3.550	191.78	2440.88
14:39:00	8-JAN	5.667	3.633	191.80	2429.03
14:44:00	8-JAN	5.750	3.717	191.79	2418.91
14:49:00	8-JAN	5.833	3.800	191.80	2409.25
14:54:00	8-JAN	5.917	3.883	191.80	2400.07
14:59:00	8-JAN	6.000	3.967	191.82	2392.37
15:04:00	8-JAN	6.083	4.050	191.83	2385.15
15:09:00	8-JAN	6.167	4.133	191.82	2380.62
15:14:00	8-JAN	6.250	4.217	191.86	2375.40

TEST PHASE: FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
15:19:00	8-JAN	6.333	4.300	191.86	2370.02
15:24:00	8-JAN	6.417	4.383	191.86	2364.21
15:29:00	8-JAN	6.500	4.467	191.85	2359.60
15:34:00	8-JAN	6.583	4.550	191.90	2353.99
15:39:00	8-JAN	6.667	4.633	191.88	2350.40
15:44:00	8-JAN	6.750	4.717	191.91	2346.47
15:49:00	8-JAN	6.833	4.800	191.90	2343.22
15:54:00	8-JAN	6.917	4.883	191.87	2338.92
15:59:00	8-JAN	7.000	4.967	191.93	2335.48
16:04:00	8-JAN	7.083	5.050	191.91	2331.51
16:09:00	8-JAN	7.167	5.133	191.90	2327.89
16:14:00	8-JAN	7.250	5.217	191.93	2323.35
16:19:00	8-JAN	7.333	5.300	191.89	2320.03
16:24:00	8-JAN	7.417	5.383	191.90	2315.92
16:29:00	8-JAN	7.500	5.467	191.89	2310.93
16:34:00	8-JAN	7.583	5.550	191.91	2307.08
16:39:00	8-JAN	7.667	5.633	191.91	2304.22
16:44:00	8-JAN	7.750	5.717	191.90	2300.72
16:49:00	8-JAN	7.833	5.800	191.89	2297.00
16:54:00	8-JAN	7.917	5.883	191.90	2293.79
16:59:00	8-JAN	8.000	5.967	191.92	2290.76
17:04:00	8-JAN	8.083	6.050	191.90	2288.41
17:09:00	8-JAN	8.167	6.133	191.90	2285.76
17:14:00	8-JAN	8.250	6.217	191.89	2283.29
17:19:00	8-JAN	8.333	6.300	191.90	2280.25
17:24:00	8-JAN	8.417	6.383	191.91	2277.69
17:29:00	8-JAN	8.500	6.467	191.92	2275.85
17:34:00	8-JAN	8.583	6.550	191.91	2273.97
17:39:00	8-JAN	8.667	6.633	191.93	2271.44
17:44:00	8-JAN	8.750	6.717	191.93	2270.42
17:49:00	8-JAN	8.833	6.800	191.90	2269.15
17:54:00	8-JAN	8.917	6.883	191.91	2267.73
17:59:00	8-JAN	9.000	6.967	191.92	2265.59
18:05:00	8-JAN	9.100	7.067	191.93	2263.20
18:06:48	8-JAN	9.130	7.097	191.95	2262.08

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2262.08 PSIA
PRODUCING TIME = 7.097 HR

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
18:06:48	8-JAN	9.130	0.000	191.95	2262.08	0.00	
18:07:24	8-JAN	9.140	0.010	191.93	2272.25	10.17	2.8516
18:08:00	8-JAN	9.150	0.020	191.94	2286.30	24.22	2.5512
18:08:36	8-JAN	9.160	0.030	191.98	2298.81	36.73	2.3758
18:09:12	8-JAN	9.170	0.040	192.14	2309.57	47.49	2.2514
18:09:48	8-JAN	9.180	0.050	192.26	2321.62	59.54	2.1551
18:10:24	8-JAN	9.190	0.060	192.34	2332.36	70.28	2.0766
18:11:00	8-JAN	9.200	0.070	192.41	2343.06	80.98	2.0102

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2262.08 PSIA
PRODUCING TIME = 7.097 HR

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
18:11:36	8-JAN	9.210	0.080	192.50	2351.83	89.75	1.9528
18:12:12	8-JAN	9.220	0.090	192.56	2362.03	99.95	1.9023
18:12:48	8-JAN	9.230	0.100	192.62	2370.85	108.77	1.8571
18:14:00	8-JAN	9.250	0.120	192.79	2388.14	126.06	1.7792
18:15:12	8-JAN	9.270	0.140	192.85	2404.05	141.97	1.7134
18:16:24	8-JAN	9.290	0.160	192.88	2418.56	156.48	1.6566
18:17:45	8-JAN	9.312	0.183	192.95	2435.33	173.25	1.6008
18:18:57	8-JAN	9.333	0.203	192.95	2447.93	185.85	1.5568
18:20:09	8-JAN	9.352	0.223	192.93	2460.49	198.41	1.5171
18:21:30	8-JAN	9.375	0.245	192.94	2473.90	211.82	1.4766
18:22:42	8-JAN	9.395	0.265	192.92	2485.31	223.23	1.4437
18:23:54	8-JAN	9.415	0.285	192.90	2496.72	234.64	1.4133
18:25:15	8-JAN	9.437	0.308	192.93	2507.78	245.70	1.3816
18:26:27	8-JAN	9.458	0.328	192.92	2517.65	255.57	1.3554
18:27:39	8-JAN	9.477	0.348	192.93	2527.09	265.01	1.3309
18:29:00	8-JAN	9.500	0.370	192.94	2537.29	275.21	1.3049
18:30:12	8-JAN	9.520	0.390	192.93	2546.00	283.92	1.2832
18:31:24	8-JAN	9.540	0.410	192.91	2554.19	292.11	1.2627
18:32:45	8-JAN	9.562	0.433	192.93	2562.97	300.89	1.2408
18:33:57	8-JAN	9.583	0.453	192.94	2570.65	308.57	1.2223
18:35:09	8-JAN	9.602	0.473	192.97	2578.01	315.93	1.2046
18:36:30	8-JAN	9.625	0.495	192.94	2586.08	324.00	1.1857
18:37:42	8-JAN	9.645	0.515	192.95	2592.72	330.64	1.1697
18:43:42	8-JAN	9.745	0.615	192.96	2623.38	361.30	1.0983
18:49:42	8-JAN	9.845	0.715	192.95	2649.36	387.28	1.0384
18:55:42	8-JAN	9.945	0.815	192.93	2671.41	409.33	0.9871
19:02:00	8-JAN	10.050	0.920	192.90	2691.36	429.28	0.9402
19:08:00	8-JAN	10.150	1.020	192.89	2708.00	445.92	0.9008
19:14:00	8-JAN	10.250	1.120	192.88	2722.92	460.84	0.8655
19:20:00	8-JAN	10.350	1.220	192.87	2736.35	474.27	0.8336
19:26:00	8-JAN	10.450	1.320	192.87	2748.48	486.40	0.8046
19:32:00	8-JAN	10.550	1.420	192.87	2759.59	497.51	0.7780
19:38:00	8-JAN	10.650	1.520	192.86	2768.38	506.30	0.7535
19:44:00	8-JAN	10.750	1.620	192.85	2777.13	515.05	0.7308
19:50:00	8-JAN	10.850	1.720	192.85	2784.81	522.73	0.7098
19:56:00	8-JAN	10.950	1.820	192.83	2792.45	530.37	0.6901
20:02:00	8-JAN	11.050	1.920	192.82	2798.75	536.67	0.6717
20:08:00	8-JAN	11.150	2.020	192.80	2804.93	542.85	0.6545
21:08:00	8-JAN	12.150	3.020	192.75	2843.02	580.94	0.5250
22:08:00	8-JAN	13.150	4.020	192.67	2861.19	599.11	0.4417
23:08:00	8-JAN	14.150	5.020	192.66	2872.09	610.01	0.3827
0:11:00	9-JAN	15.200	6.070	192.66	2880.36	618.28	0.3363
1:11:00	9-JAN	16.200	7.070	192.65	2884.83	622.75	0.3018
2:11:00	9-JAN	17.200	8.070	192.64	2889.25	627.17	0.2740
3:11:00	9-JAN	18.200	9.070	192.66	2891.90	629.82	0.2510
4:11:00	9-JAN	19.200	10.070	192.65	2894.64	632.56	0.2317
5:11:00	9-JAN	20.200	11.070	192.66	2897.13	635.05	0.2151
6:11:00	9-JAN	21.200	12.070	192.67	2899.10	637.02	0.2008
7:11:00	9-JAN	22.200	13.070	192.67	2901.15	639.07	0.1884
8:11:00	9-JAN	23.200	14.070	192.66	2903.47	641.39	0.1774

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2262.08 PSIA
PRODUCING TIME = 7.097 HR

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
9:11:00	9-JAN	24.200	15.070	192.70	2904.19	642.11	0.1676
10:11:00	9-JAN	25.200	16.070	192.70	2905.13	643.05	0.1588
11:11:00	9-JAN	26.200	17.070	192.69	2906.04	643.96	0.1510
12:11:00	9-JAN	27.200	18.070	192.67	2906.99	644.91	0.1439
13:11:00	9-JAN	28.200	19.070	192.70	2908.05	645.97	0.1374
14:11:00	9-JAN	29.200	20.070	192.70	2908.95	646.87	0.1315
15:11:00	9-JAN	30.200	21.070	192.71	2909.89	647.81	0.1261
16:11:00	9-JAN	31.200	22.070	192.68	2910.88	648.80	0.1211
17:11:00	9-JAN	32.200	23.070	192.71	2911.77	649.69	0.1165
18:11:00	9-JAN	33.200	24.070	192.68	2912.34	650.26	0.1122
19:11:00	9-JAN	34.200	25.070	192.68	2913.03	650.95	0.1083
20:11:00	9-JAN	35.200	26.070	192.69	2913.63	651.55	0.1046
21:11:00	9-JAN	36.200	27.070	192.72	2914.13	652.05	0.1011
22:11:00	9-JAN	37.200	28.070	192.71	2914.48	652.40	0.0979
23:11:00	9-JAN	38.200	29.070	192.73	2914.98	652.90	0.0949
0:11:00	10-JAN	39.200	30.070	192.73	2915.37	653.29	0.0920
1:11:00	10-JAN	40.200	31.070	192.73	2915.71	653.63	0.0893
2:11:00	10-JAN	41.200	32.070	192.74	2916.27	654.19	0.0868
3:11:00	10-JAN	42.200	33.070	192.74	2916.61	654.53	0.0844
4:11:00	10-JAN	43.200	34.070	192.73	2917.08	655.00	0.0822
5:11:00	10-JAN	44.200	35.070	192.74	2917.60	655.52	0.0800
6:11:00	10-JAN	45.200	36.070	192.76	2918.31	656.23	0.0780
6:59:00	10-JAN	46.000	36.870	192.76	2918.19	656.11	0.0765

FIELD REPORT NO. 129562
INSTRUMENT NO. 20297

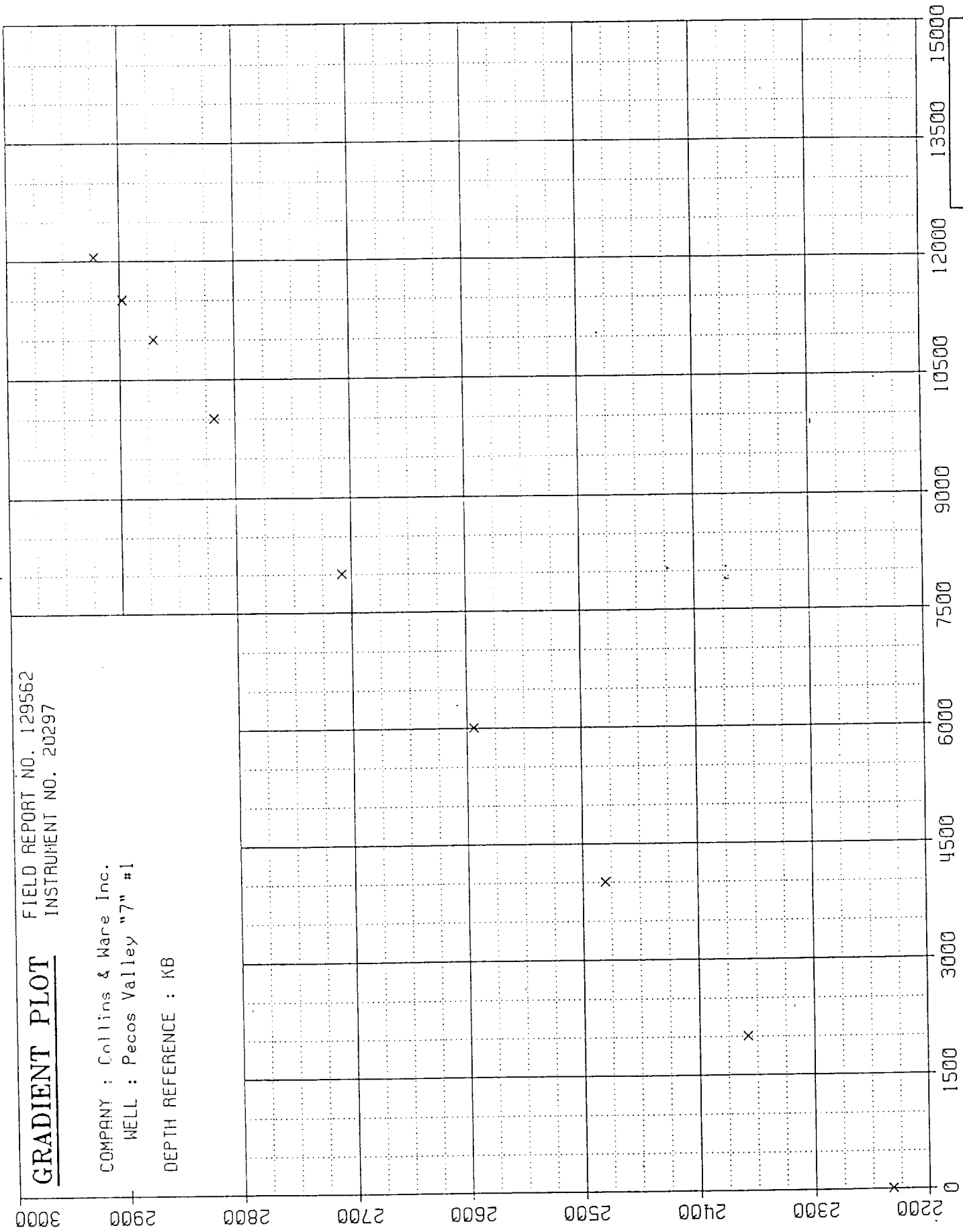
GRADIENT PLOT

COMPANY : Collins & Ware Inc.
WELL : Pecos Valley "7" #1
DEPTH REFERENCE : KB

PRESSURE (PSIA)

DEPTH (FT)

Schlumberger



 ** WELL TEST DATA PRINTOUT **

COMPANY: Collins & Ware Inc.
 WELL: Pecos Valley "7" #1

FIELD REPORT NO. 129562
 INSTRUMENT NO. 20297

RECORDER CAPACITY: 10014 PSI
 DEPTH REFERENCE: KB

GRADIENT INFORMATION

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DEPTH FROM REF. FT	PRESSURE AT DEPTH PSIA	PRES. GRADIENT PSI/FT	TEMPERATURE AT DEPTH DEG F	TEMP. GRADIENT DEG F/FT
9:11:00	8-JAN	0.200	0.0	2232.83		56.74	
9:25:00	8-JAN	0.433	2000.0	2358.12	0.0626	71.16	0.00721
9:37:00	8-JAN	0.633	4000.0	2480.50	0.0612	85.34	0.00709
9:49:00	8-JAN	0.833	6000.0	2594.16	0.0568	102.42	0.00854
10:01:00	8-JAN	1.033	8000.0	2708.11	0.0570	125.39	0.0115
10:13:00	8-JAN	1.233	10000.0	2817.82	0.0549	149.23	0.0119
10:23:00	8-JAN	1.400	11000.0	2870.36	0.0525	166.85	0.0176
10:31:00	8-JAN	1.533	11500.0	2897.63	0.0545	177.48	0.0213
10:43:00	8-JAN	1.733	12044.0	2922.74	0.0462	188.39	0.0201

WELL TEST INTERPRETATION REPORT #:129562		PAGE: 15.
CLIENT : Collins & Ware Inc.		13-JAN-92
REGION :WTD	DISTRIBUTION OF REPORTS	FIELD:Malaga Atoka
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EASE :Hobbs		WELL :Pecos Valley 7
ENGINEER:Scott/Brooks		LOCATION:7/24s/29e

SCHLUMBERGER has sent copies of this report to the following:

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