

REPORT NO.
1289013

PAGE NO. 1

TEST DATE:
18-NOV-1998

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: OXY USA INC

WELL: TOP DOG FED #1

TEST IDENTIFICATION

Test Type BHP
Test No. 2
Formation
Test Interval (ft) 8729 to 8784

WELL LOCATION

Field ARTISIA
County EDDY
State NM
Sec/Twn/Rng S28T16sR27e

COMPLETION CONFIGURATION

Total Depth (MD/TVD) (ft)
Casing/Liner I.D. (in)
Hole Size (in)
Perforated Interval (ft)
Shot Density (shots/ft)
Perforation Diameter (in)
Net Pay (ft)

TEST STRING CONFIGURATION

Tubing Length (ft)/I.D. (in)..
Tubing Length (ft)/I.D. (in)..
Packer Depth (ft)
Gauge Depth (ft)/Type
Downhole Valve (Y/N)/Type

TEST CONDITIONS

Tbg/Wellhead Pressure (psi) ..
Separator Pressure (psi)

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) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%)
Reservoir Temperature (F)
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS JOB WAS MECHANICALLY SUCCESSFUL.THANKS FOR USING HOBBS SLICKLINE.

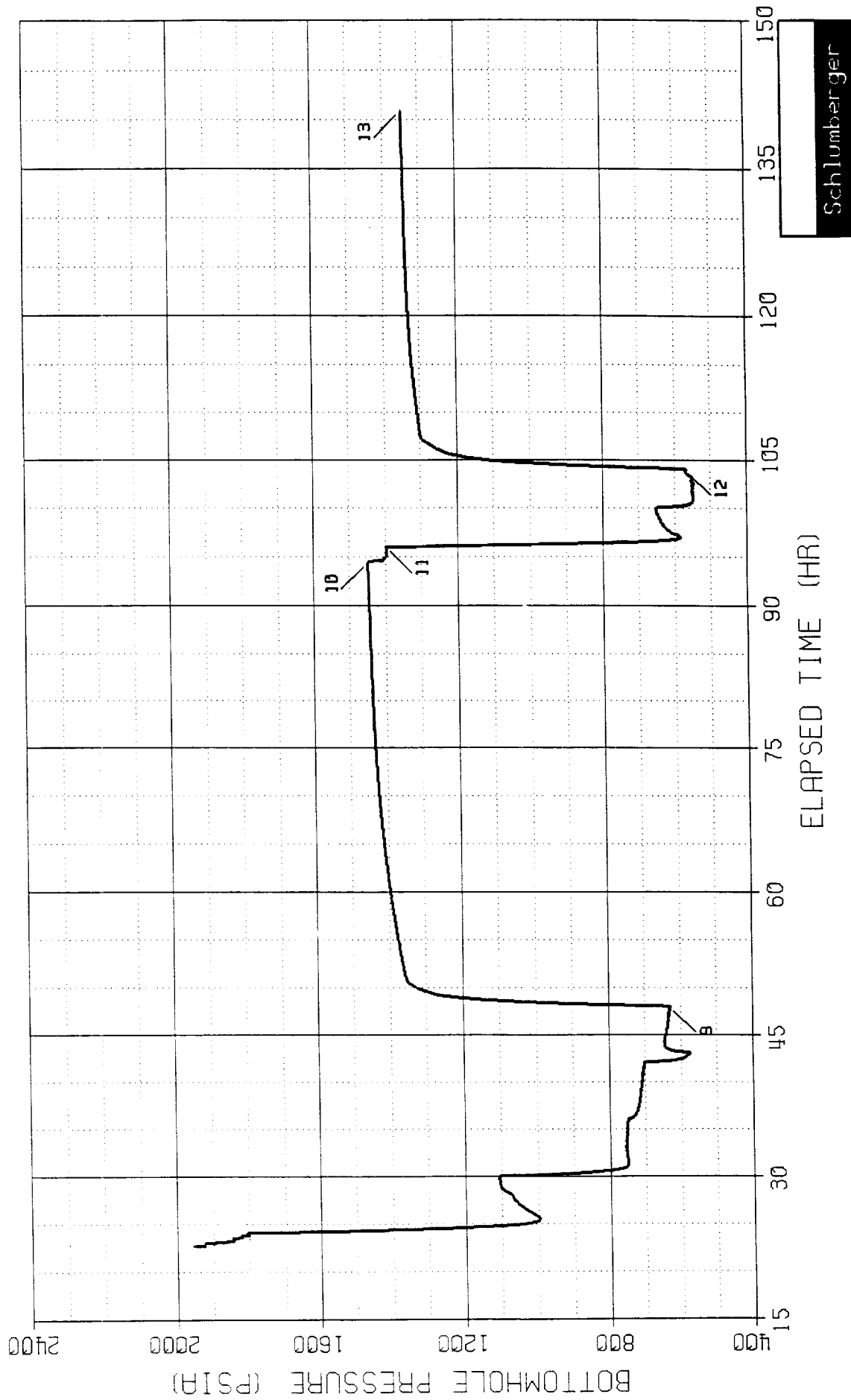
WELL TEST INTERPRETATION REPORT #:1289013		PAGE: 2.
CLIENT : OXY USA INC		24-NOV-98
REGION :CSD	SEQUENCE OF EVENTS	FIELD:ARTISIA
DISTRICT:HOBBS		ZONE :
BASE :MIDLAND		WELL :TOP DOG FED #1
ENGINEER:C TAYLOR		LOCATION:S28T16sR27e

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
=====					
18-NOV	12:42	Gradient Stop 0 Ft.	-2862	1516	
18-NOV	13:03	Gradient Stop 2500 Ft.	-2841	1630	
18-NOV	13:15	Gradient Stop 5000 Ft.	-2829	1752	
18-NOV	13:28	Gradient Stop 7500 Ft.	-2816	1877	
18-NOV	13:35	Gradient Stop 8666 Ft.	-2809	1942	
18-NOV	13:56	SHUT-IN POINT	-2788		
19-NOV	08:47	END SHUT-IN	-1657	1450	
19-NOV	11:03	START FLOW	-1521	1399	
20-NOV	12:24	END FLOW & START SHUT-IN	0	570	
22-NOV	10:43	END SHUT-IN	2779	1347	
22-NOV	12:22	START FLOW	2878		
22-NOV	20:26	END FLOW & START SHUT-IN	3362		
24-NOV	09:13	END SHUT-IN	5569		

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 1289013 COMPANY : OXY USA INC
INSTRUMENT NO. SLSR 883 WELL : TOP DOG FED #1
DEPTH : 8666 FT
CAPACITY : 10000 PSI
PORT OPENING : INSIDE

Electronic Pressure Data



BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 1289013

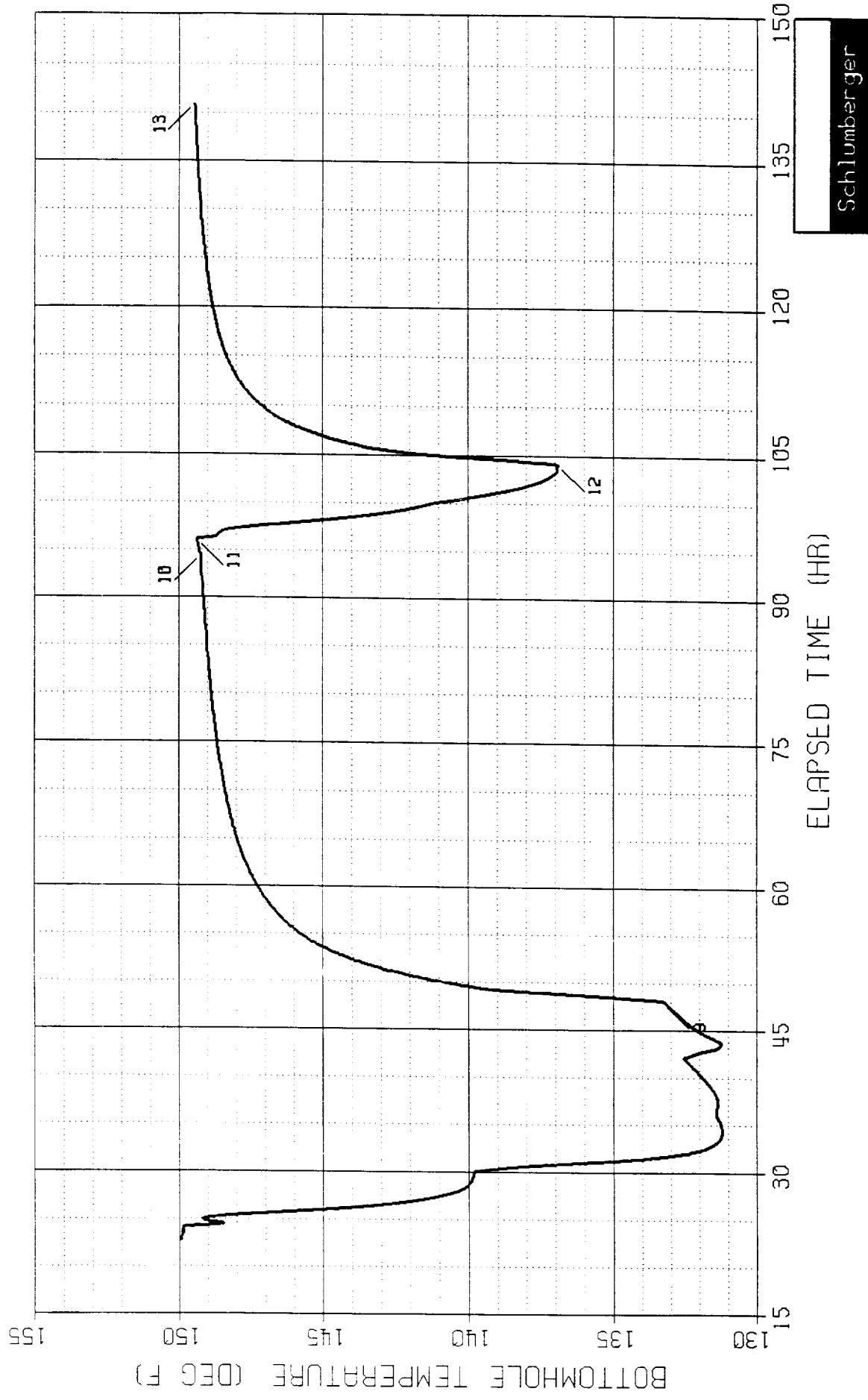
COMPANY : OXY USA INC

INSTRUMENT NO. SLSR 883

WELL : TOP DOG FED #1

DEPTH : 8666 FT

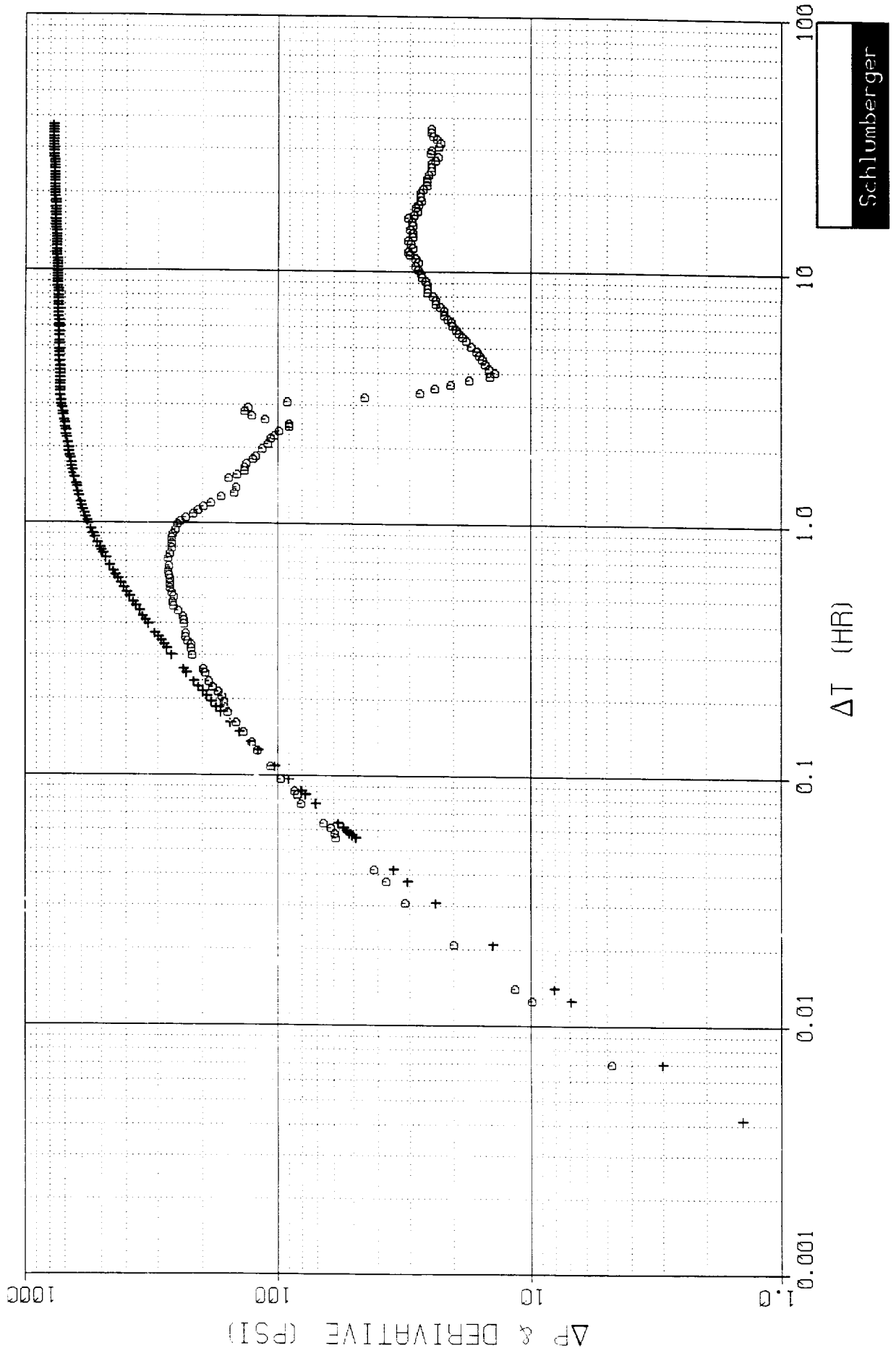
Electronic Temperature Data

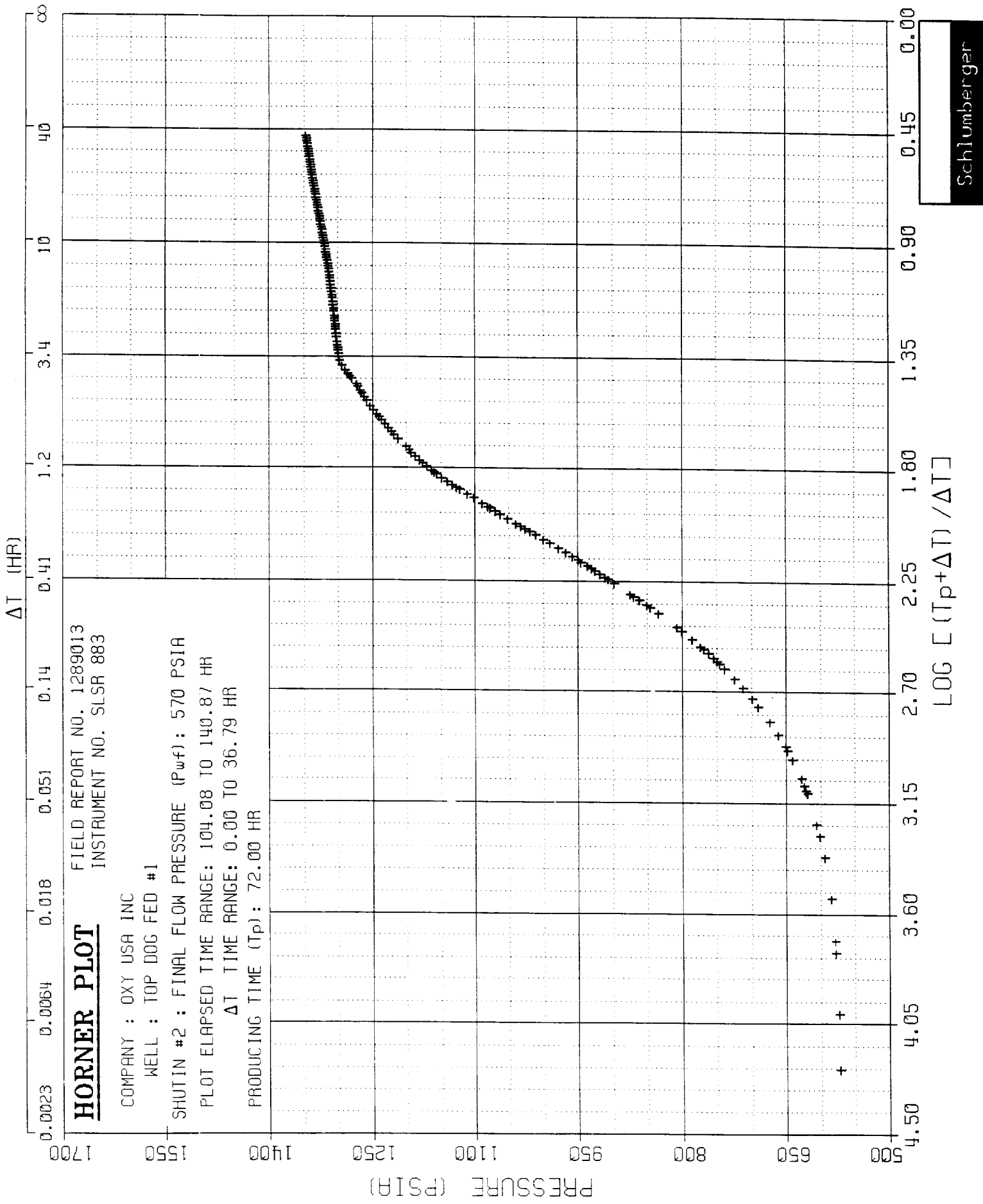


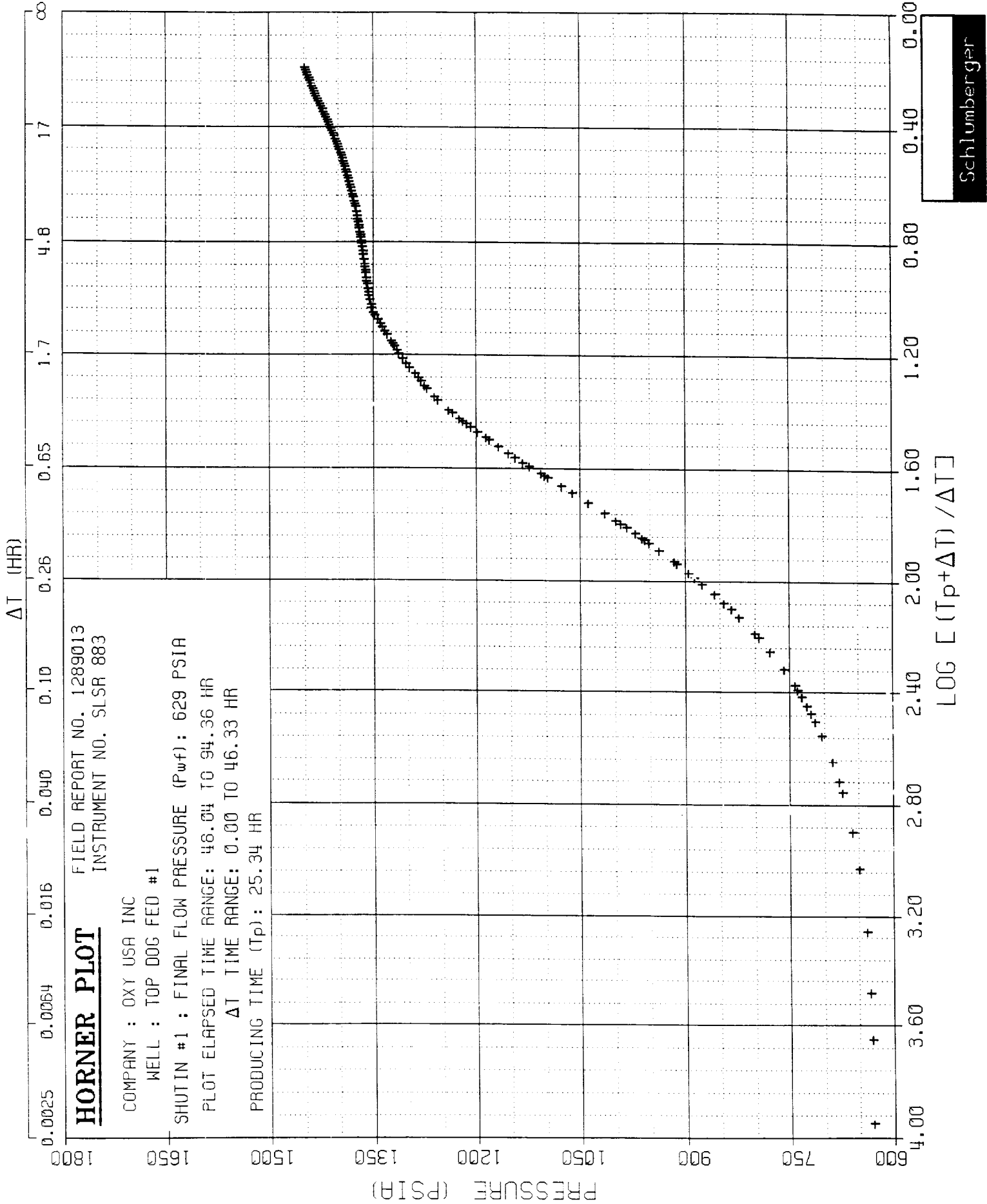
LOG LOG PLOT

COMPANY : OXY USA INC
WELL : TOP DOG FED #1
FIELD REPORT NO. 1289013
INSTRUMENT NO. SLSR 883

SHUTIN #2 : PRODUCING TIME (Tp): 72.00 HR
FINAL FLOW PRESSURE (Pwf): 570 PSIA
PLOT ELAPSED TIME RANGE: 104.08 TO 140.87 HR
 ΔT TIME RANGE: 0.00 TO 36.79 HR







 ** WELL TEST DATA PRINTOUT **

COMPANY: OXY USA INC
 WELL: TOP DOG FED #1

FIELD REPORT NO. 1289013
 INSTRUMENT NO. SLSR 883

RECORDER CAPACITY: 10000 PSI PORT OPENING: INSIDE DEPTH: 8666 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	12:42:07	18-NOV	GRADIENT STOP	0.335	1515.71	84.18	0.0
2	13:03:22	18-NOV	GRADIENT STOP	0.689	1630.42	80.73	2500.0
3	13:15:17	18-NOV	GRADIENT STOP	0.888	1752.48	93.33	5000.0
4	13:28:32	18-NOV	GRADIENT STOP	1.109	1876.95	117.36	7500.0
5	13:35:17	18-NOV	GRADIENT STOP	1.221	1941.91	131.02	8666.0
6	13:56:42	18-NOV	SHUT-IN POINT	1.578	1936.79	148.78	
7	8:47:37	19-NOV	SHUT-IN POINT	20.427	1954.81	149.94	
8	11:03:47	19-NOV	START FLOW	22.696	1954.50	149.95	
9	12:24:02	20-NOV	END FLOW & START SHUT-IN	48.034	629.16	133.25	
10	10:43:37	22-NOV	END SHUT-IN	94.360	1449.63	149.25	
11	12:22:22	22-NOV	START FLOW	96.006	1398.80	149.36	
12	20:26:32	22-NOV	END FLOW & START SHUT-IN	104.075	570.42	136.90	
13	9:13:57	24-NOV	END SHUT-IN	140.866	1347.07	149.47	

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	22.696	48.034	25.337	1954.50	629.16	1954.50
2	96.006	104.075	8.069	1398.80	570.42	1398.80

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	48.034	94.360	46.326	629.16	1449.63	629.16	25.337
2	104.075	140.866	36.790	570.42	1347.07	570.42	72.000

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
11:03:47	19-NOV	22.696	0.000	149.95	1954.50
11:12:07	19-NOV	22.835	0.139	149.94	1925.15
11:17:22	19-NOV	22.923	0.226	149.94	1923.67
11:22:22	19-NOV	23.006	0.310	149.94	1894.35
11:29:22	19-NOV	23.123	0.426	149.92	1895.68
11:34:22	19-NOV	23.206	0.510	149.90	1848.22
11:40:12	19-NOV	23.303	0.607	149.90	1844.23
11:47:32	19-NOV	23.426	0.729	149.88	1845.94
11:52:32	19-NOV	23.509	0.812	149.90	1832.69
11:57:32	19-NOV	23.592	0.896	149.88	1822.03
12:07:42	19-NOV	23.762	1.065	149.88	1822.82
12:12:42	19-NOV	23.845	1.149	149.88	1804.69
12:19:02	19-NOV	23.951	1.254	149.88	1806.31
12:25:02	19-NOV	24.051	1.354	149.88	1807.89
12:31:07	19-NOV	24.152	1.456	149.83	1662.48
12:36:12	19-NOV	24.237	1.540	149.59	1549.60
12:41:47	19-NOV	24.330	1.633	149.13	1442.35
12:46:57	19-NOV	24.416	1.719	148.71	1354.89
12:52:32	19-NOV	24.509	1.812	148.51	1273.46
12:58:57	19-NOV	24.616	1.919	148.60	1202.20
13:04:37	19-NOV	24.710	2.014	148.86	1149.14
13:09:42	19-NOV	24.795	2.099	149.05	1109.79
13:14:47	19-NOV	24.880	2.183	149.16	1077.48
13:20:57	19-NOV	24.983	2.286	149.20	1047.67
13:26:32	19-NOV	25.076	2.379	149.13	1028.98
13:32:02	19-NOV	25.167	2.471	148.96	1016.09
13:38:37	19-NOV	25.277	2.581	148.68	1005.61
13:43:47	19-NOV	25.363	2.667	148.37	1000.06
13:49:07	19-NOV	25.452	2.756	147.99	997.22
13:54:17	19-NOV	25.538	2.842	147.56	996.29
13:59:27	19-NOV	25.624	2.928	147.11	996.77
14:04:37	19-NOV	25.710	3.014	146.68	1000.26
14:09:57	19-NOV	25.799	3.103	146.21	1003.94
14:15:32	19-NOV	25.892	3.196	145.72	1007.84
14:20:32	19-NOV	25.976	3.279	145.31	1011.19
14:26:02	19-NOV	26.067	3.371	144.86	1014.72
14:31:32	19-NOV	26.159	3.463	144.45	1018.75
14:36:52	19-NOV	26.248	3.551	144.05	1023.35
14:42:17	19-NOV	26.338	3.642	143.71	1027.65
14:47:22	19-NOV	26.423	3.726	143.38	1030.90
14:52:22	19-NOV	26.506	3.810	143.11	1034.64
14:57:42	19-NOV	26.595	3.899	142.83	1037.66
15:02:42	19-NOV	26.678	3.982	142.57	1040.74
15:07:47	19-NOV	26.763	4.067	142.38	1043.05
15:12:52	19-NOV	26.848	4.151	142.20	1047.15
15:17:57	19-NOV	26.932	4.236	142.00	1049.92
15:23:07	19-NOV	27.019	4.322	141.80	1052.83
15:28:22	19-NOV	27.106	4.410	141.62	1055.32
15:34:07	19-NOV	27.202	4.506	141.44	1057.66
15:39:22	19-NOV	27.289	4.593	141.28	1059.57
15:45:37	19-NOV	27.394	4.697	141.12	1063.02

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
15:51:07	19-NOV	27.485	4.789	140.97	1065.36
15:56:42	19-NOV	27.578	4.882	140.85	1067.63
16:01:57	19-NOV	27.666	4.969	140.74	1068.20
16:07:32	19-NOV	27.759	5.062	140.63	1069.27
16:12:42	19-NOV	27.845	5.149	140.54	1070.14
16:18:27	19-NOV	27.941	5.244	140.43	1072.41
16:23:57	19-NOV	28.032	5.336	140.34	1073.93
16:29:12	19-NOV	28.120	5.424	140.27	1074.82
16:34:12	19-NOV	28.203	5.507	140.22	1079.31
16:39:47	19-NOV	28.296	5.600	140.16	1083.89
16:45:12	19-NOV	28.387	5.690	140.11	1089.69
16:50:12	19-NOV	28.470	5.774	140.07	1093.58
16:55:27	19-NOV	28.557	5.861	140.04	1096.55
17:00:27	19-NOV	28.641	5.944	140.02	1099.63
17:05:47	19-NOV	28.730	6.033	139.98	1100.88
17:11:22	19-NOV	28.823	6.126	139.96	1103.06
17:16:32	19-NOV	28.909	6.213	139.95	1102.80
17:22:17	19-NOV	29.005	6.308	139.93	1103.73
17:27:47	19-NOV	29.096	6.400	139.91	1104.58
17:33:27	19-NOV	29.191	6.494	139.89	1105.71
17:39:12	19-NOV	29.287	6.590	139.87	1106.72
17:45:07	19-NOV	29.385	6.689	139.86	1105.49
17:50:42	19-NOV	29.478	6.782	139.86	1105.35
17:55:42	19-NOV	29.562	6.865	139.84	1107.01
18:01:12	19-NOV	29.653	6.957	139.84	1107.41
18:06:47	19-NOV	29.746	7.050	139.82	1107.47
18:11:57	19-NOV	29.832	7.136	139.82	1107.51
18:17:42	19-NOV	29.928	7.232	139.80	1107.48
18:23:07	19-NOV	30.019	7.322	139.80	1107.13
18:28:27	19-NOV	30.108	7.411	139.73	1048.89
18:33:42	19-NOV	30.195	7.499	139.48	975.41
18:39:17	19-NOV	30.288	7.592	139.17	916.38
18:44:27	19-NOV	30.374	7.678	138.92	877.02
18:50:02	19-NOV	30.467	7.771	138.65	846.48
18:55:27	19-NOV	30.557	7.861	138.34	819.69
19:00:37	19-NOV	30.644	7.947	138.00	797.98
19:06:12	19-NOV	30.737	8.040	137.55	780.59
19:11:27	19-NOV	30.824	8.128	137.12	768.56
19:17:52	19-NOV	30.931	8.235	136.54	758.97
19:23:12	19-NOV	31.020	8.324	136.08	754.68
19:28:27	19-NOV	31.108	8.411	135.59	752.48
19:34:07	19-NOV	31.202	8.506	135.12	750.82
19:39:32	19-NOV	31.292	8.596	134.69	750.40
19:45:57	19-NOV	31.399	8.703	134.24	750.30
19:52:07	19-NOV	31.502	8.806	133.86	751.02
19:57:07	19-NOV	31.585	8.889	133.59	752.01
20:02:12	19-NOV	31.670	8.974	133.32	752.40
20:07:17	19-NOV	31.755	9.058	133.09	752.33
20:12:32	19-NOV	31.842	9.146	132.87	751.67
20:17:52	19-NOV	31.931	9.235	132.66	751.99
20:23:52	19-NOV	32.031	9.335	132.48	752.84

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
20:29:57	19-NOV	32.132	9.436	132.30	753.94
20:35:27	19-NOV	32.224	9.528	132.17	754.16
20:42:32	19-NOV	32.342	9.646	132.01	753.25
20:48:07	19-NOV	32.435	9.739	131.90	753.23
20:53:32	19-NOV	32.526	9.829	131.81	753.77
20:58:57	19-NOV	32.616	9.919	131.72	754.82
21:04:17	19-NOV	32.705	10.008	131.65	754.79
21:11:07	19-NOV	32.819	10.122	131.58	754.81
21:16:27	19-NOV	32.907	10.211	131.52	754.25
21:24:37	19-NOV	33.044	10.347	131.45	754.96
21:30:42	19-NOV	33.145	10.449	131.41	755.12
21:36:02	19-NOV	33.234	10.538	131.38	755.06
21:41:32	19-NOV	33.326	10.629	131.34	754.82
21:47:02	19-NOV	33.417	10.721	131.31	754.22
21:52:32	19-NOV	33.509	10.812	131.29	754.36
22:01:07	19-NOV	33.652	10.956	131.25	755.07
22:06:42	19-NOV	33.745	11.049	131.23	754.51
22:12:02	19-NOV	33.834	11.137	131.23	753.79
22:19:07	19-NOV	33.952	11.256	131.22	753.33
22:24:27	19-NOV	34.041	11.344	131.20	753.79
22:31:17	19-NOV	34.155	11.458	131.20	753.82
22:37:12	19-NOV	34.253	11.557	131.20	753.18
22:43:32	19-NOV	34.359	11.663	131.20	752.20
22:49:32	19-NOV	34.459	11.762	131.20	752.30
22:54:52	19-NOV	34.548	11.852	131.20	753.02
23:00:12	19-NOV	34.637	11.940	131.20	753.12
23:05:42	19-NOV	34.728	12.032	131.22	752.97
23:11:07	19-NOV	34.819	12.122	131.22	752.26
23:16:12	19-NOV	34.903	12.207	131.22	751.61
23:21:52	19-NOV	34.998	12.302	131.23	752.24
23:27:02	19-NOV	35.084	12.387	131.23	752.77
23:33:32	19-NOV	35.192	12.496	131.25	752.16
23:38:42	19-NOV	35.278	12.582	131.27	752.00
23:44:02	19-NOV	35.367	12.671	131.27	751.40
23:50:17	19-NOV	35.471	12.775	131.29	750.98
23:56:02	19-NOV	35.567	12.871	131.31	751.21
0:02:32	20-NOV	35.675	12.979	131.32	750.92
0:08:27	20-NOV	35.774	13.078	131.34	750.30
0:13:47	20-NOV	35.863	13.167	131.36	749.61
0:18:52	20-NOV	35.948	13.252	131.38	748.88
0:24:17	20-NOV	36.038	13.342	131.38	749.60
0:29:52	20-NOV	36.131	13.435	131.40	741.72
0:36:12	20-NOV	36.237	13.540	131.40	736.44
0:41:37	20-NOV	36.327	13.631	131.40	732.74
0:47:17	20-NOV	36.421	13.725	131.40	730.21
0:57:42	20-NOV	36.595	13.899	131.40	728.27
1:03:37	20-NOV	36.694	13.997	131.38	726.80
1:09:22	20-NOV	36.790	14.093	131.38	725.29
1:15:57	20-NOV	36.899	14.203	131.36	723.59
1:22:57	20-NOV	37.016	14.319	131.36	722.85
1:29:17	20-NOV	37.121	14.425	131.34	722.68

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
1:34:52	20-NOV	37.215	14.518	131.34	722.33
1:39:57	20-NOV	37.299	14.603	131.34	720.75
1:45:37	20-NOV	37.394	14.697	131.34	719.18
1:50:52	20-NOV	37.481	14.785	131.34	718.85
1:56:12	20-NOV	37.570	14.874	131.34	718.91
2:02:12	20-NOV	37.670	14.974	131.34	718.60
2:07:32	20-NOV	37.759	15.062	131.36	718.35
2:15:47	20-NOV	37.896	15.200	131.36	716.95
2:21:12	20-NOV	37.987	15.290	131.38	716.37
2:28:37	20-NOV	38.110	15.414	131.40	716.77
2:33:37	20-NOV	38.194	15.497	131.41	716.63
2:39:22	20-NOV	38.290	15.593	131.43	716.37
2:45:57	20-NOV	38.399	15.703	131.45	715.47
2:51:37	20-NOV	38.494	15.797	131.47	714.33
2:57:32	20-NOV	38.592	15.896	131.49	714.64
3:03:02	20-NOV	38.684	15.988	131.50	714.82
3:08:12	20-NOV	38.770	16.074	131.52	714.57
3:13:52	20-NOV	38.865	16.168	131.56	713.95
3:19:47	20-NOV	38.963	16.267	131.58	713.54
3:25:02	20-NOV	39.050	16.354	131.59	712.69
3:30:12	20-NOV	39.137	16.440	131.61	712.54
3:35:42	20-NOV	39.228	16.532	131.65	712.69
3:41:22	20-NOV	39.323	16.627	131.67	712.83
3:47:07	20-NOV	39.419	16.722	131.68	712.25
3:53:07	20-NOV	39.519	16.822	131.72	710.86
3:59:47	20-NOV	39.630	16.933	131.76	710.23
4:05:07	20-NOV	39.719	17.022	131.77	710.78
4:10:42	20-NOV	39.812	17.115	131.81	710.91
4:16:27	20-NOV	39.907	17.211	131.83	710.29
4:21:57	20-NOV	39.999	17.303	131.86	709.92
4:27:47	20-NOV	40.096	17.400	131.88	709.34
4:32:57	20-NOV	40.182	17.486	131.92	708.79
4:38:22	20-NOV	40.273	17.577	131.95	708.93
4:44:02	20-NOV	40.367	17.671	131.97	709.05
4:50:07	20-NOV	40.469	17.772	132.01	709.19
4:55:37	20-NOV	40.560	17.864	132.04	708.64
5:01:22	20-NOV	40.656	17.960	132.06	707.60
5:06:22	20-NOV	40.740	18.043	132.10	706.89
5:11:22	20-NOV	40.823	18.127	132.12	707.08
5:18:22	20-NOV	40.940	18.243	132.17	707.33
5:23:32	20-NOV	41.026	18.329	132.19	707.03
5:29:02	20-NOV	41.117	18.421	132.22	706.43
5:36:27	20-NOV	41.241	18.544	132.26	704.91
5:42:32	20-NOV	41.342	18.646	132.28	704.77
5:49:17	20-NOV	41.455	18.758	132.31	705.26
5:54:32	20-NOV	41.542	18.846	132.35	704.70
6:00:42	20-NOV	41.645	18.949	132.39	704.24
6:06:32	20-NOV	41.742	19.046	132.42	703.95
6:11:57	20-NOV	41.833	19.136	132.44	702.97
6:17:12	20-NOV	41.920	19.224	132.48	702.88
6:23:47	20-NOV	42.030	19.333	132.51	702.86

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
6:29:47	20-NOV	42.130	19.433	132.53	679.63
6:35:27	20-NOV	42.224	19.528	132.44	639.25
6:42:22	20-NOV	42.340	19.643	132.33	614.29
6:47:42	20-NOV	42.428	19.732	132.26	602.77
6:53:12	20-NOV	42.520	19.824	132.19	595.20
6:58:12	20-NOV	42.603	19.907	132.10	589.59
7:04:17	20-NOV	42.705	20.008	131.99	584.06
7:10:32	20-NOV	42.809	20.112	131.85	580.20
7:15:52	20-NOV	42.898	20.202	131.74	577.54
7:21:42	20-NOV	42.995	20.299	131.59	575.68
7:27:32	20-NOV	43.092	20.396	131.47	575.35
7:32:32	20-NOV	43.175	20.479	131.36	598.06
7:38:37	20-NOV	43.277	20.581	131.32	617.63
7:44:47	20-NOV	43.380	20.683	131.29	629.38
7:50:02	20-NOV	43.467	20.771	131.27	634.72
7:55:32	20-NOV	43.559	20.862	131.25	639.45
8:00:37	20-NOV	43.644	20.947	131.23	642.33
8:05:37	20-NOV	43.727	21.031	131.23	644.50
8:11:12	20-NOV	43.820	21.124	131.31	645.79
8:16:12	20-NOV	43.903	21.207	131.36	645.18
8:21:52	20-NOV	43.998	21.302	131.41	645.21
8:27:02	20-NOV	44.084	21.388	131.47	645.30
8:33:42	20-NOV	44.195	21.499	131.56	645.79
8:39:17	20-NOV	44.288	21.592	131.61	645.97
8:45:07	20-NOV	44.385	21.689	131.68	645.20
8:50:12	20-NOV	44.470	21.774	131.74	645.09
8:55:27	20-NOV	44.557	21.861	131.81	644.58
9:00:47	20-NOV	44.646	21.950	131.86	643.75
9:06:52	20-NOV	44.748	22.052	131.92	643.46
9:12:12	20-NOV	44.837	22.140	131.97	643.52
9:17:17	20-NOV	44.921	22.225	132.03	642.94
9:22:27	20-NOV	45.007	22.311	132.06	641.66
9:28:37	20-NOV	45.110	22.414	132.12	640.89
9:34:07	20-NOV	45.202	22.506	132.17	640.17
9:39:47	20-NOV	45.296	22.600	132.21	639.79
9:45:02	20-NOV	45.384	22.687	132.24	639.95
9:51:12	20-NOV	45.487	22.790	132.30	640.13
9:56:47	20-NOV	45.580	22.883	132.33	639.21
10:02:07	20-NOV	45.669	22.972	132.37	638.57
10:07:57	20-NOV	45.766	23.069	132.40	637.49
10:14:52	20-NOV	45.881	23.185	132.44	637.21
10:20:07	20-NOV	45.969	23.272	132.48	637.26
10:26:07	20-NOV	46.069	23.372	132.51	637.60
10:31:12	20-NOV	46.153	23.457	132.55	636.65
10:36:22	20-NOV	46.240	23.543	132.58	636.21
10:42:07	20-NOV	46.335	23.639	132.62	635.13
10:48:37	20-NOV	46.444	23.747	132.66	634.51
10:54:12	20-NOV	46.537	23.840	132.69	634.43
10:59:42	20-NOV	46.628	23.932	132.73	634.80
11:05:52	20-NOV	46.731	24.035	132.76	634.17
11:11:02	20-NOV	46.817	24.121	132.80	633.72

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
11:16:12	20-NOV	46.903	24.207	132.82	633.53
11:22:47	20-NOV	47.013	24.317	132.85	632.02
11:30:07	20-NOV	47.135	24.439	132.91	632.32
11:35:42	20-NOV	47.245	24.549	132.94	632.13
11:43:02	20-NOV	47.351	24.654	132.98	632.24
11:48:32	20-NOV	47.442	24.746	133.02	631.38
11:54:12	20-NOV	47.537	24.840	133.05	630.53
12:00:02	20-NOV	47.634	24.937	133.09	629.95
12:05:12	20-NOV	47.720	25.024	133.11	630.07
12:11:42	20-NOV	47.828	25.132	133.14	629.86
12:16:52	20-NOV	47.915	25.218	133.18	629.91
12:23:17	20-NOV	48.021	25.325	133.23	629.05
12:24:02	20-NOV	48.034	25.337	133.25	629.16

TEST PHASE: SHUTIN PERIOD # 1

 FINAL FLOW PRESSURE = 629.16 PSIA
 PRODUCING TIME = 25.337 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
12:24:02	20-NOV	48.034	0.000	133.25	629.16	0.00	
12:24:52	20-NOV	48.048	0.014	133.25	638.49	9.33	3.2578
12:25:57	20-NOV	48.066	0.032	133.25	658.27	29.11	2.8992
12:26:42	20-NOV	48.078	0.044	133.27	673.08	43.92	2.7562
12:27:27	20-NOV	48.091	0.057	133.29	687.19	58.03	2.6489
12:28:17	20-NOV	48.105	0.071	133.32	702.95	73.79	2.5547
12:29:07	20-NOV	48.119	0.085	133.36	718.66	89.50	2.4766
12:29:52	20-NOV	48.131	0.097	133.39	732.27	103.11	2.4172
12:31:22	20-NOV	48.156	0.122	133.48	757.82	128.66	2.3183
12:33:32	20-NOV	48.192	0.158	133.61	793.89	164.73	2.2069
12:35:22	20-NOV	48.223	0.189	133.75	822.60	193.44	2.1305
12:36:47	20-NOV	48.246	0.213	133.86	843.99	214.83	2.0800
12:38:57	20-NOV	48.282	0.249	134.02	875.44	246.28	2.0124
12:40:22	20-NOV	48.306	0.272	134.13	894.50	265.34	1.9733
12:41:42	20-NOV	48.328	0.294	134.24	911.52	282.36	1.9397
12:43:47	20-NOV	48.363	0.329	134.42	936.80	307.64	1.8920
12:45:02	20-NOV	48.384	0.350	134.53	951.10	321.94	1.8657
12:46:52	20-NOV	48.415	0.381	134.69	971.50	342.34	1.8297
12:48:42	20-NOV	48.445	0.411	134.85	991.46	362.30	1.7967
12:50:57	20-NOV	48.482	0.449	135.05	1014.54	385.38	1.7595
12:53:27	20-NOV	48.524	0.490	135.28	1038.82	409.66	1.7216
12:55:57	20-NOV	48.566	0.532	135.50	1061.31	432.15	1.6869
13:03:32	20-NOV	48.692	0.658	136.18	1122.43	493.27	1.5965
13:10:42	20-NOV	48.812	0.778	136.89	1167.54	538.38	1.5260
13:18:42	20-NOV	48.945	0.911	137.75	1207.35	578.19	1.4595
13:25:37	20-NOV	49.060	1.027	138.42	1233.94	604.78	1.4097
13:32:47	20-NOV	49.180	1.146	138.94	1255.95	626.79	1.3639
13:39:42	20-NOV	49.295	1.261	139.33	1271.74	642.58	1.3241
13:47:22	20-NOV	49.423	1.389	139.68	1282.76	653.60	1.2842
13:55:02	20-NOV	49.550	1.517	139.98	1295.98	666.82	1.2481

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 629.16 PSIA

PRODUCING TIME = 25.337 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
14:02:32	20-NOV	49.675	1.642	140.27	1306.30	677.14	1.2157
14:09:52	20-NOV	49.798	1.764	140.50	1314.95	685.79	1.1865
14:15:52	20-NOV	49.898	1.864	140.70	1321.02	691.86	1.1641
14:25:32	20-NOV	50.059	2.025	141.03	1329.53	700.37	1.1307
14:33:32	20-NOV	50.192	2.158	141.28	1335.68	706.52	1.1051
14:42:57	20-NOV	50.349	2.315	141.53	1342.67	713.51	1.0771
14:49:32	20-NOV	50.459	2.425	141.69	1348.18	719.02	1.0587
14:58:37	20-NOV	50.610	2.577	141.91	1351.43	722.27	1.0348
15:06:12	20-NOV	50.737	2.703	142.09	1353.24	724.08	1.0160
15:12:52	20-NOV	50.848	2.814	142.25	1354.59	725.43	1.0002
15:19:07	20-NOV	50.952	2.918	142.39	1355.61	726.45	0.9860
15:28:07	20-NOV	51.102	3.068	142.61	1356.96	727.80	0.9665
16:29:27	20-NOV	52.124	4.090	143.82	1363.05	733.89	0.8570
17:31:52	20-NOV	53.165	5.131	144.72	1368.15	738.99	0.7737
18:39:07	20-NOV	54.285	6.252	145.42	1373.51	744.35	0.7036
19:44:12	20-NOV	55.370	7.336	145.94	1378.40	749.24	0.6487
20:46:42	20-NOV	56.412	8.378	146.35	1382.87	753.71	0.6047
21:47:47	20-NOV	57.430	9.396	146.68	1387.08	757.92	0.5678
22:48:22	20-NOV	58.440	10.406	146.93	1391.08	761.92	0.5359
23:50:42	20-NOV	59.478	11.444	147.16	1394.97	765.81	0.5070
0:52:22	21-NOV	60.506	12.472	147.36	1398.65	769.49	0.4817
1:53:02	21-NOV	61.517	13.483	147.54	1402.14	772.98	0.4593
2:54:22	21-NOV	62.540	14.506	147.69	1405.42	776.26	0.4388
3:56:07	21-NOV	63.569	15.535	147.83	1408.69	779.53	0.4201
4:59:37	21-NOV	64.627	16.593	147.94	1411.76	782.60	0.4026
6:01:02	21-NOV	65.650	17.617	148.05	1414.58	785.42	0.3871
7:01:57	21-NOV	66.666	18.632	148.14	1417.23	788.07	0.3729
8:02:42	21-NOV	67.678	19.644	148.23	1419.73	790.57	0.3598
9:06:02	21-NOV	68.734	20.700	148.30	1422.19	793.03	0.3471
10:09:37	21-NOV	69.794	21.760	148.39	1424.48	795.32	0.3353
11:10:32	21-NOV	70.809	22.775	148.44	1426.57	797.41	0.3248
12:13:17	21-NOV	71.855	23.821	148.51	1428.48	799.32	0.3146
13:16:27	21-NOV	72.908	24.874	148.57	1430.27	801.11	0.3051
14:19:27	21-NOV	73.958	25.924	148.62	1431.95	802.79	0.2961
15:20:52	21-NOV	74.981	26.947	148.68	1433.40	804.24	0.2879
16:21:47	21-NOV	75.996	27.962	148.71	1434.76	805.60	0.2802
17:24:02	21-NOV	77.034	29.000	148.77	1436.03	806.87	0.2727
18:24:02	21-NOV	78.034	30.000	148.80	1437.11	807.95	0.2659
19:27:02	21-NOV	79.084	31.050	148.84	1438.21	809.05	0.2591
20:30:47	21-NOV	80.146	32.112	148.87	1439.25	810.09	0.2526
21:34:02	21-NOV	81.200	33.167	148.91	1440.21	811.05	0.2465
22:34:32	21-NOV	82.209	34.175	148.95	1441.10	811.94	0.2409
23:39:57	21-NOV	83.299	35.265	148.98	1442.01	812.85	0.2351
0:40:47	22-NOV	84.313	36.279	149.02	1442.84	813.68	0.2300
1:42:52	22-NOV	85.348	37.314	149.04	1443.66	814.50	0.2251
2:43:12	22-NOV	86.353	38.320	149.05	1444.44	815.28	0.2204
3:49:27	22-NOV	87.458	39.424	149.09	1445.19	816.03	0.2156
4:50:27	22-NOV	88.474	40.440	149.11	1445.92	816.76	0.2113
5:52:07	22-NOV	89.502	41.468	149.14	1446.59	817.43	0.2071
6:53:27	22-NOV	90.524	42.490	149.16	1447.25	818.09	0.2031

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 629.16 PSIA

PRODUCING TIME = 25.337 HR

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MMM						
7:56:02	22-NOV	91.567	43.533	149.18	1447.88	818.72	0.1992
9:00:42	22-NOV	92.645	44.611	149.22	1448.59	819.43	0.1953
10:00:57	22-NOV	93.649	45.615	149.23	1449.19	820.03	0.1919
10:43:37	22-NOV	94.360	46.326	149.25	1449.63	820.47	0.1895

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MMM				
12:22:22	22-NOV	96.006	0.000	149.36	1398.80
12:27:42	22-NOV	96.095	0.089	149.38	1231.12
12:32:42	22-NOV	96.178	0.172	149.34	1095.33
12:37:57	22-NOV	96.266	0.260	149.09	974.53
12:42:57	22-NOV	96.349	0.343	148.84	870.53
12:48:12	22-NOV	96.437	0.431	148.71	786.24
12:53:32	22-NOV	96.525	0.519	148.68	719.91
12:59:02	22-NOV	96.617	0.611	148.64	663.85
13:04:27	22-NOV	96.708	0.701	148.60	623.34
13:09:42	22-NOV	96.795	0.789	148.57	603.83
13:15:22	22-NOV	96.890	0.883	148.53	590.03
13:21:17	22-NOV	96.988	0.982	148.46	584.51
13:26:17	22-NOV	97.071	1.065	148.41	584.98
13:31:42	22-NOV	97.162	1.156	148.28	589.62
13:36:52	22-NOV	97.248	1.242	148.10	593.29
13:43:02	22-NOV	97.350	1.344	147.87	601.84
13:48:27	22-NOV	97.441	1.435	147.60	608.15
13:53:27	22-NOV	97.524	1.518	147.34	611.79
13:58:32	22-NOV	97.609	1.603	147.06	611.49
14:05:12	22-NOV	97.720	1.714	146.64	618.67
14:10:27	22-NOV	97.808	1.801	146.32	621.38
14:15:42	22-NOV	97.895	1.889	145.99	623.54
14:20:47	22-NOV	97.980	1.973	145.69	626.34
14:26:32	22-NOV	98.075	2.069	145.35	628.21
14:32:32	22-NOV	98.175	2.169	145.00	630.87
14:37:52	22-NOV	98.265	2.258	144.72	632.63
14:43:17	22-NOV	98.355	2.348	144.45	634.28
14:48:27	22-NOV	98.441	2.435	144.19	636.38
14:53:57	22-NOV	98.533	2.526	143.94	638.68
14:59:02	22-NOV	98.617	2.611	143.73	639.81
15:04:22	22-NOV	98.706	2.700	143.49	639.77
15:09:32	22-NOV	98.792	2.786	143.28	640.83
15:14:32	22-NOV	98.875	2.869	143.08	641.35
15:19:32	22-NOV	98.959	2.953	142.90	643.84
15:24:32	22-NOV	99.042	3.036	142.72	645.18
15:29:57	22-NOV	99.132	3.126	142.56	645.26
15:35:42	22-NOV	99.228	3.222	142.38	647.23
15:41:27	22-NOV	99.324	3.318	142.20	648.94
15:47:17	22-NOV	99.421	3.415	142.03	648.53

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
15:52:37	22-NOV	99.510	3.504	141.91	649.08
15:57:37	22-NOV	99.594	3.588	141.78	648.88
16:03:17	22-NOV	99.688	3.682	141.64	649.94
16:08:22	22-NOV	99.773	3.767	141.51	651.11
16:13:47	22-NOV	99.863	3.857	141.40	651.25
16:19:37	22-NOV	99.960	3.954	141.28	653.27
16:24:37	22-NOV	100.044	4.037	141.19	651.40
16:29:47	22-NOV	100.130	4.123	141.04	615.38
16:35:17	22-NOV	100.221	4.215	140.77	583.80
16:40:17	22-NOV	100.305	4.298	140.59	569.59
16:45:27	22-NOV	100.391	4.385	140.40	560.86
16:50:32	22-NOV	100.475	4.469	140.25	555.84
16:55:57	22-NOV	100.566	4.560	140.11	552.27
17:01:42	22-NOV	100.662	4.656	139.95	549.53
17:06:52	22-NOV	100.748	4.742	139.80	549.08
17:12:47	22-NOV	100.846	4.840	139.62	548.38
17:17:47	22-NOV	100.930	4.923	139.46	548.46
17:23:57	22-NOV	101.033	5.026	139.28	548.02
17:29:17	22-NOV	101.121	5.115	139.12	548.21
17:34:42	22-NOV	101.212	5.206	138.96	548.21
17:39:57	22-NOV	101.299	5.293	138.81	549.14
17:44:57	22-NOV	101.382	5.376	138.67	549.05
17:50:02	22-NOV	101.467	5.461	138.54	549.41
17:55:02	22-NOV	101.550	5.544	138.42	550.28
18:00:12	22-NOV	101.637	5.631	138.29	549.58
18:05:17	22-NOV	101.721	5.715	138.18	550.08
18:10:32	22-NOV	101.809	5.803	138.07	550.63
18:16:07	22-NOV	101.902	5.896	137.97	549.78
18:22:27	22-NOV	102.007	6.001	137.84	549.11
18:27:32	22-NOV	102.092	6.086	137.75	550.55
18:32:57	22-NOV	102.183	6.176	137.66	548.27
18:38:07	22-NOV	102.269	6.262	137.59	549.25
18:43:47	22-NOV	102.363	6.357	137.50	550.38
18:48:47	22-NOV	102.446	6.440	137.44	547.57
18:54:22	22-NOV	102.540	6.533	137.39	545.89
18:59:32	22-NOV	102.625	6.619	137.32	548.27
19:05:47	22-NOV	102.730	6.723	137.25	551.32
19:11:12	22-NOV	102.820	6.814	137.21	550.75
19:16:47	22-NOV	102.913	6.907	137.16	552.65
19:22:47	22-NOV	103.013	7.007	137.10	552.57
19:28:17	22-NOV	103.105	7.098	137.07	551.38
19:33:52	22-NOV	103.198	7.192	137.01	551.86
19:38:52	22-NOV	103.281	7.275	136.98	550.92
19:44:02	22-NOV	103.367	7.361	136.96	555.75
19:49:37	22-NOV	103.460	7.454	136.94	561.56
19:54:57	22-NOV	103.549	7.543	136.94	565.03
20:00:17	22-NOV	103.638	7.632	136.94	566.87
20:05:17	22-NOV	103.721	7.715	136.94	566.22
20:10:22	22-NOV	103.806	7.800	136.92	569.53
20:15:52	22-NOV	103.898	7.892	136.92	569.82
20:21:17	22-NOV	103.988	7.982	136.92	567.68

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
20:26:17	22-NOV	104.071	8.065	136.90	570.07
20:26:32	22-NOV	104.075	8.069	136.90	570.42

TEST PHASE: SHUTIN PERIOD # 2

 FINAL FLOW PRESSURE = 570.42 PSIA
 PRODUCING TIME = 72.000 HR

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
20:26:32	22-NOV	104.075	0.000	136.90	570.42	0.00	
20:27:17	22-NOV	104.088	0.013	136.90	577.31	6.89	3.7605
20:28:22	22-NOV	104.106	0.031	136.92	594.09	23.67	3.3708
20:29:02	22-NOV	104.117	0.042	136.92	605.06	34.64	3.2378
20:29:52	22-NOV	104.131	0.056	136.94	619.36	48.94	3.1120
20:31:07	22-NOV	104.152	0.077	136.98	640.66	70.24	2.9741
20:32:17	22-NOV	104.171	0.096	137.03	660.78	90.36	2.8764
20:33:02	22-NOV	104.184	0.108	137.07	672.95	102.53	2.8232
20:34:37	22-NOV	104.210	0.135	137.14	698.89	128.47	2.7283
20:36:17	22-NOV	104.238	0.162	137.23	724.34	153.92	2.6475
20:37:42	22-NOV	104.262	0.186	137.32	745.33	174.91	2.5885
20:39:07	22-NOV	104.285	0.210	137.41	764.81	194.39	2.5367
20:40:37	22-NOV	104.310	0.235	137.52	785.14	214.72	2.4880
20:42:22	22-NOV	104.340	0.264	137.66	807.50	237.08	2.4373
20:44:32	22-NOV	104.375	0.300	137.82	833.79	263.37	2.3820
20:45:57	22-NOV	104.399	0.324	137.93	850.72	280.30	2.3492
20:47:37	22-NOV	104.427	0.352	138.06	869.33	298.91	2.3135
20:50:22	22-NOV	104.473	0.397	138.27	897.82	327.40	2.2606
20:51:42	22-NOV	104.495	0.420	138.36	910.55	340.13	2.2371
20:53:17	22-NOV	104.521	0.446	138.49	925.12	354.70	2.2108
20:55:27	22-NOV	104.558	0.482	138.67	945.17	374.75	2.1772
20:56:52	22-NOV	104.581	0.506	138.79	957.67	387.25	2.1565
21:03:42	22-NOV	104.695	0.620	139.39	1011.31	440.89	2.0690
21:11:32	22-NOV	104.825	0.750	140.16	1062.95	492.53	1.9868
21:18:42	22-NOV	104.945	0.870	140.81	1101.49	531.07	1.9233
21:25:32	22-NOV	105.059	0.983	141.40	1132.89	562.47	1.8705
21:32:42	22-NOV	105.178	1.103	141.89	1159.13	588.71	1.8214
21:38:42	22-NOV	105.278	1.203	142.21	1176.36	605.94	1.7843
21:44:42	22-NOV	105.378	1.303	142.54	1190.07	619.65	1.7502
21:50:52	22-NOV	105.481	1.406	142.81	1200.33	629.91	1.7178
21:57:02	22-NOV	105.584	1.508	143.04	1212.57	642.15	1.6878
22:03:27	22-NOV	105.691	1.615	143.29	1222.33	651.91	1.6587
22:10:37	22-NOV	105.810	1.735	143.49	1231.78	661.36	1.6284
22:18:12	22-NOV	105.937	1.861	143.71	1240.48	670.06	1.5986
22:25:42	22-NOV	106.062	1.986	143.91	1248.10	677.68	1.5711
22:37:12	22-NOV	106.253	2.178	144.19	1257.86	687.44	1.5322
22:43:37	22-NOV	106.360	2.285	144.36	1262.69	692.27	1.5120
22:50:42	22-NOV	106.478	2.403	144.50	1267.59	697.17	1.4909
22:57:07	22-NOV	106.585	2.510	144.64	1271.20	700.78	1.4726
23:03:42	22-NOV	106.695	2.620	144.77	1275.32	704.90	1.4546
23:11:17	22-NOV	106.821	2.746	144.91	1281.29	710.87	1.4349

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 570.42 PSIA
PRODUCING TIME = 72.000 HR

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
23:20:07	22-NOV	106.969	2.893	145.06	1288.13	717.71	1.4131
23:26:07	22-NOV	107.069	2.993	145.15	1292.03	721.61	1.3989
23:32:07	22-NOV	107.169	3.093	145.24	1296.04	725.62	1.3852
0:33:22	23-NOV	108.189	4.114	146.14	1302.58	732.16	1.2672
1:38:52	23-NOV	109.281	5.206	146.80	1306.06	735.64	1.1712
2:39:42	23-NOV	110.295	6.220	147.25	1309.19	738.77	1.0996
3:41:12	23-NOV	111.320	7.245	147.61	1312.18	741.76	1.0390
4:41:37	23-NOV	112.327	8.252	147.87	1315.00	744.58	0.9879
5:45:07	23-NOV	113.385	9.310	148.08	1317.79	747.37	0.9412
6:45:42	23-NOV	114.395	10.320	148.26	1320.25	749.83	0.9018
7:46:22	23-NOV	115.406	11.331	148.41	1322.57	752.15	0.8665
8:47:52	23-NOV	116.431	12.356	148.51	1324.75	754.33	0.8342
9:49:27	23-NOV	117.458	13.382	148.62	1326.74	756.32	0.8048
10:51:47	23-NOV	118.496	14.421	148.71	1328.59	758.17	0.7776
11:52:07	23-NOV	119.502	15.427	148.78	1330.26	759.84	0.7534
12:53:37	23-NOV	120.527	16.452	148.86	1331.83	761.41	0.7305
13:55:27	23-NOV	121.558	17.482	148.91	1333.25	762.83	0.7091
14:58:07	23-NOV	122.602	18.527	148.96	1334.53	764.11	0.6890
15:58:37	23-NOV	123.610	19.535	149.02	1335.69	765.27	0.6708
17:03:12	23-NOV	124.687	20.611	149.05	1336.85	766.43	0.6526
18:03:42	23-NOV	125.695	21.620	149.09	1337.81	767.39	0.6365
19:03:47	23-NOV	126.696	22.621	149.13	1338.67	768.25	0.6215
20:07:32	23-NOV	127.759	23.683	149.16	1339.56	769.14	0.6064
21:12:42	23-NOV	128.845	24.770	149.20	1340.41	769.99	0.5918
22:17:37	23-NOV	129.927	25.852	149.23	1341.21	770.79	0.5781
23:21:37	23-NOV	130.994	26.918	149.27	1341.91	771.49	0.5652
0:24:32	24-NOV	132.042	27.967	149.29	1342.57	772.15	0.5532
1:27:12	24-NOV	133.087	29.011	149.31	1343.20	772.78	0.5418
2:30:32	24-NOV	134.142	30.067	149.34	1343.84	773.42	0.5308
3:31:52	24-NOV	135.165	31.089	149.36	1344.37	773.95	0.5206
4:33:17	24-NOV	136.188	32.112	149.38	1344.88	774.46	0.5108
5:36:12	24-NOV	137.237	33.161	149.40	1345.40	774.98	0.5012
6:37:47	24-NOV	138.263	34.188	149.41	1345.92	775.50	0.4922
7:41:52	24-NOV	139.331	35.256	149.43	1346.40	775.98	0.4832
8:47:32	24-NOV	140.426	36.350	149.45	1346.88	776.46	0.4743
9:13:57	24-NOV	140.866	36.790	149.47	1347.07	776.65	0.4709

1980

1920

1860

1800

1740

1680

1620

1560

1500

PRESSURE (PSIA)

GRADIENT PLOT

FIELD REPORT NO. 1289013
INSTRUMENT NO. SLSR 863

COMPANY : OXY USA INC
WELL : TOP DOG FED #1

DEPTH REFERENCE :

x

x

x

x

x

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

DEPTH (FT)

Schlumberger

 ** WELL TEST DATA PRINTOUT **

COMPANY: OXY USA INC
 WELL: TOP DOG FED #1

FIELD REPORT NO. 1289013
 INSTRUMENT NO. SLSR 883

RECCORDER CAPACITY: 10000 PSI
 DEPTH REFERENCE:

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
12:42:07	18-NOV	0.335	0.0	1515.71		84.18	
13:03:22	18-NOV	0.689	2500.0	1630.42	0.0459	80.73	-0.00138
13:15:17	18-NOV	0.888	5000.0	1752.48	0.0488	93.33	0.00504
13:28:32	18-NOV	1.109	7500.0	1876.95	0.0498	117.36	0.00961
13:35:17	18-NOV	1.221	8666.0	1941.91	0.0557	131.02	0.0117

WELL TEST INTERPRETATION REPORT #:1289013		PAGE: 12,
CLIENT : OXY USA INC		24-NOV-98
REGION :CSD	DISTRIBUTION OF REPORTS	FIELD:ARTISIA
DISTRICT:HOBBS		ZONE :
BASE :MIDLAND		WELL :TOP DOG FED #1
ENGINEER:C TAYLOR		LOCATION:S28T16sR27e

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