

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 13-NOV-1998

OXY USA INC

Top Dog Federal 1

Eddy ,NM.

Slope n : 0.9653

10000

$PC_2 - PW_2$ (10³ PSI)

1000

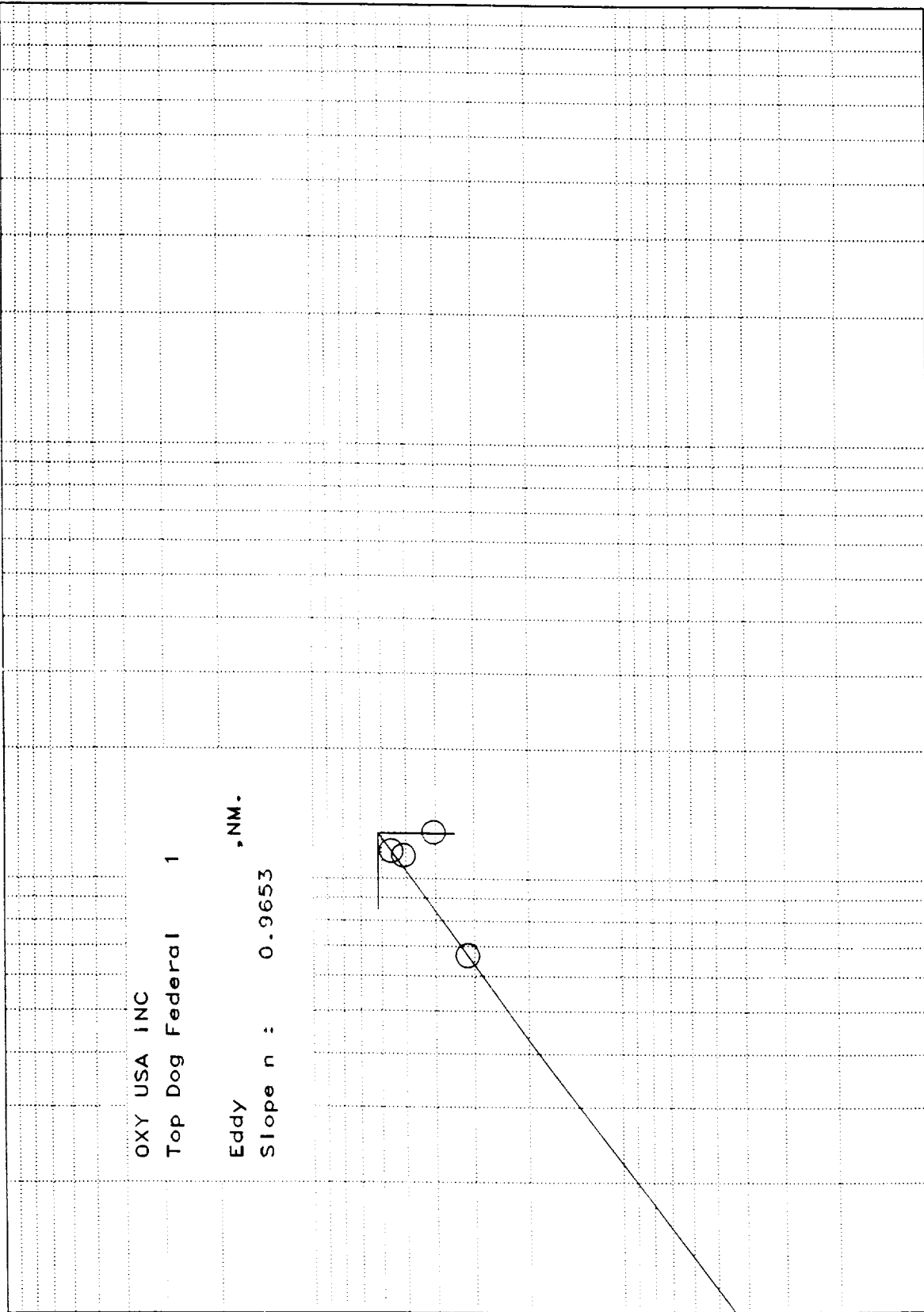
100

100

1000

10000

Q (MCF/DAY)



REPORT NO.
1289010-PDA

PAGE NO. 1

TEST DATE:
10-NOV-1998

STAR

Schlumberger Testing Data Report

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Pressure Data Report & 4-Point Test Analysis

COMPANY: OXY USA INC

WELL: TOP DOG FED #1

TEST IDENTIFICATION

Test Type BHP & 4-Point
Test No. 1
Formation
Test Interval (ft) 8729 to 8784

WELL LOCATION

Field ARTESIA
County EDDY
State NM

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) 8668,
Gauge Depth (ft)/Type 8670/SLSR 703
Downhole Valve (Y/N)/Type

TEST CONDITIONS

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

INTERPRETATION RESULTS

AOF, (mcf/d) 1271
Angle of Slope, theta 46
Slope, n 0.965

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
CO₂/H₂S/N₂ (mol %) 0.88/0.0/.051
Gas Gravity 0.661
GOR (scf/STB)
Water Cut (%) 0
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%)
Reservoir Temperature (F) 152
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: 4-Point Test

COMMENTS:

This is an analysis of the 4-point test run on 13-November-1998 following a 68-hour buildup. Calculated AOF is 1271 MCFD. No liquid was produced during the test.

Please call Diane Sykes-Bookhammer at (915) 684-0700 with any questions about this report.
Thank-you for using Schlumberger Oilfield Services.

WELL TEST INTERPRETATION REPORT #:1289010-PDA		PAGE: 2,
CLIENT : OXY USA INC		18-NOV-98
REGION :CSD	SEQUENCE OF EVENTS	FIELD:ARTESIA
DISTRICT:HOBBS		ZONE :
BASE :MIDLAND		WELL :TOP DOG FED #1
ENGINEER:C TAYLOR		LOCATION:

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
=====					
10-NOV	12:33	Gradient Stop 0 Ft.	-126	1803	
	12:48	Gradient Stop 2500 Ft.	-111	1953	
	13:01	Gradient Stop 5000 Ft.	-98	2106	
	13:12	Gradient Stop 7500 Ft.	-87	2259	
	13:24	Gradient Stop 8066 Ft.	-75	2370	
	14:09	START DATA ACQUISITION	-30	2374	
	14:39	END FLOW & START SHUT-IN	0	2375	
13-NOV	10:38	END SHUT-IN	4079	2454	
	10:48	START FLOW. 4 POINT	4089	2454	
	10:48	CHANGED CHOKE	4089	2451	
	11:48	CHANGED CHOKE	4149	1709	
	12:45	CHANGED CHOKE	4206	1427	
	14:04	CHANGED CHOKE	4285	1017	
	15:02	CHANGED CHOKE	4343	739	
	15:56	END FLOW & START SHUT-IN	4397	618	
14-NOV	08:10	END SHUT-IN & START FLOW	5371	2167	
	11:59	END FLOW & START FLOW	5600	583	
	13:44	END FLOW & START SHUT-IN	5705	977	
	14:38	END SHUT-IN	5759	1714	

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 1289010

COMPANY : OXY USA INC

INSTRUMENT NO. SLSR 885

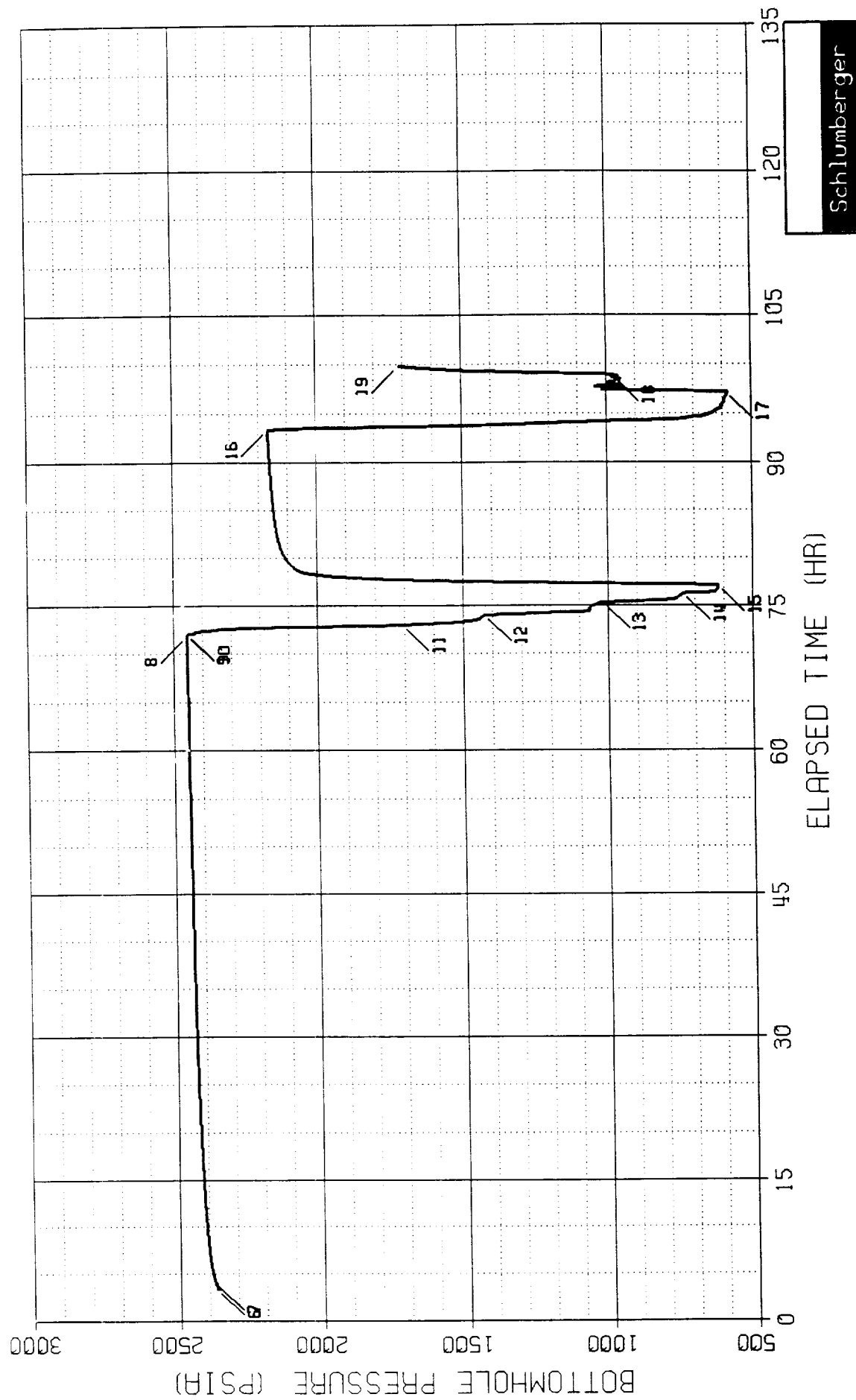
WELL : TOP DOG FED #1

DEPTH : 8666 FT

CAPACITY : 10000 PSI

PORT OPENING : OUTSIDE

Electronic Pressure Data



BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 1289010

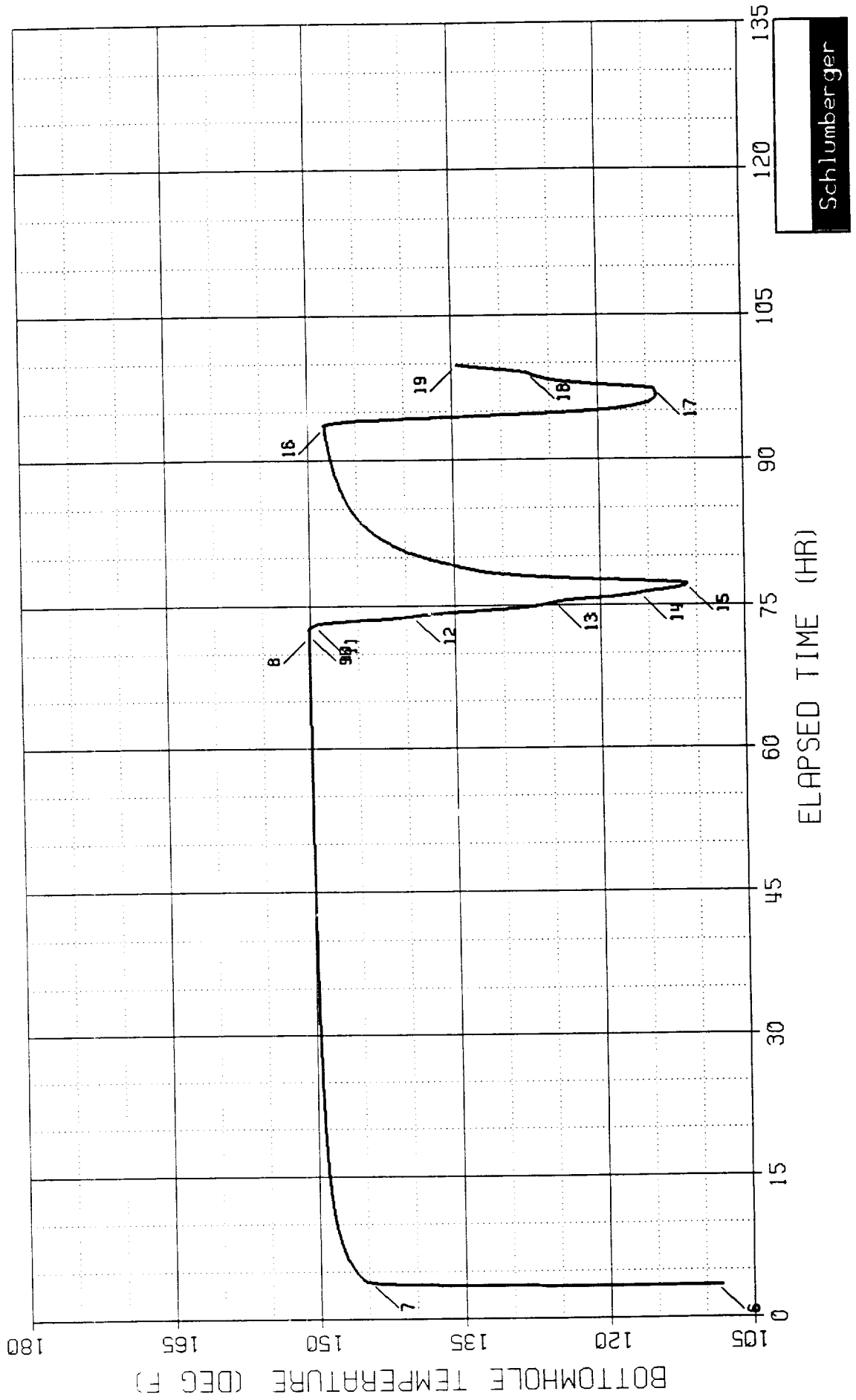
COMPANY : OXY USA INC

INSTRUMENT NO. SLSR 885

WELL : TOP DOG FED #1

DEPTH : 8666 FT

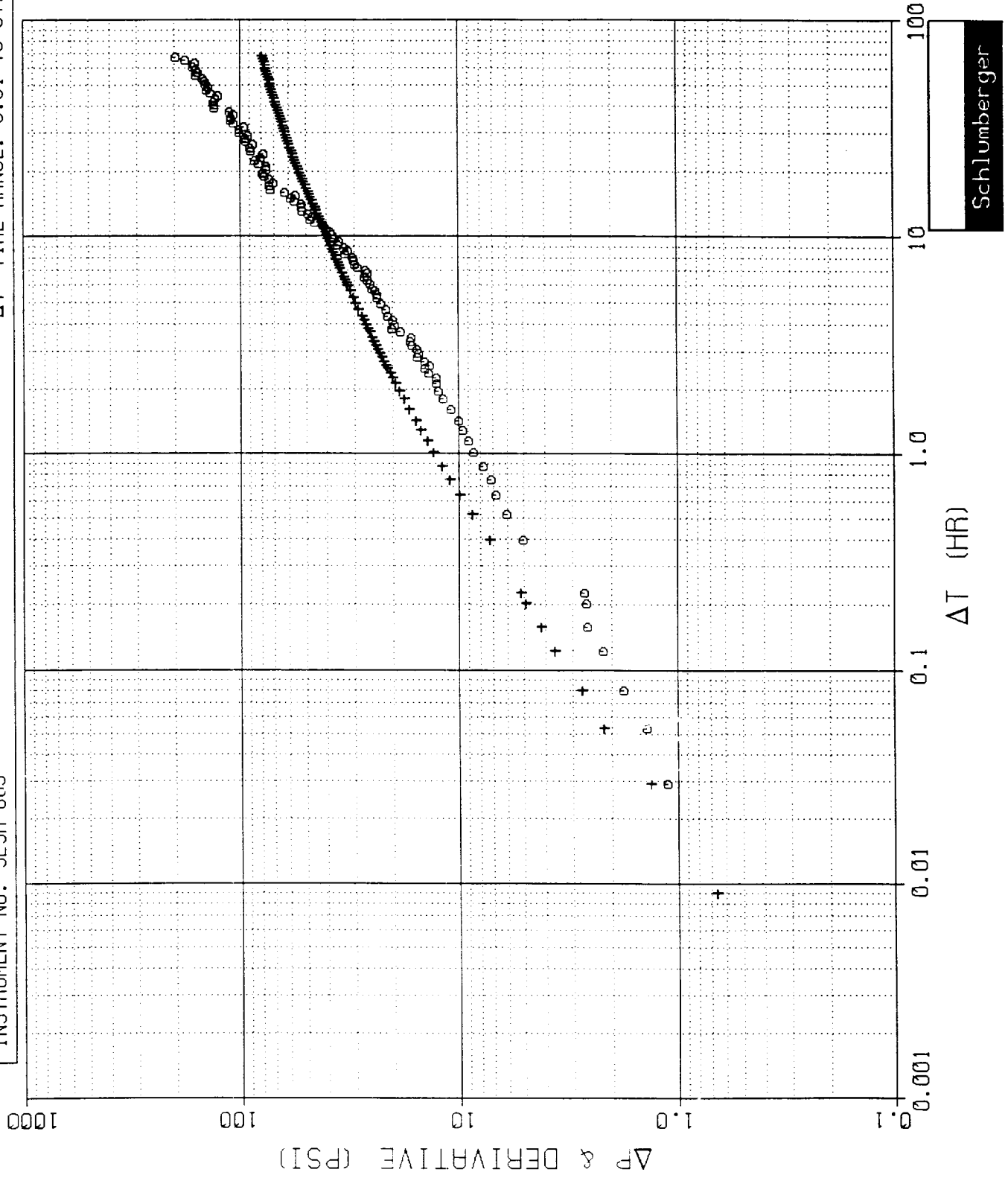
Electronic Temperature Data

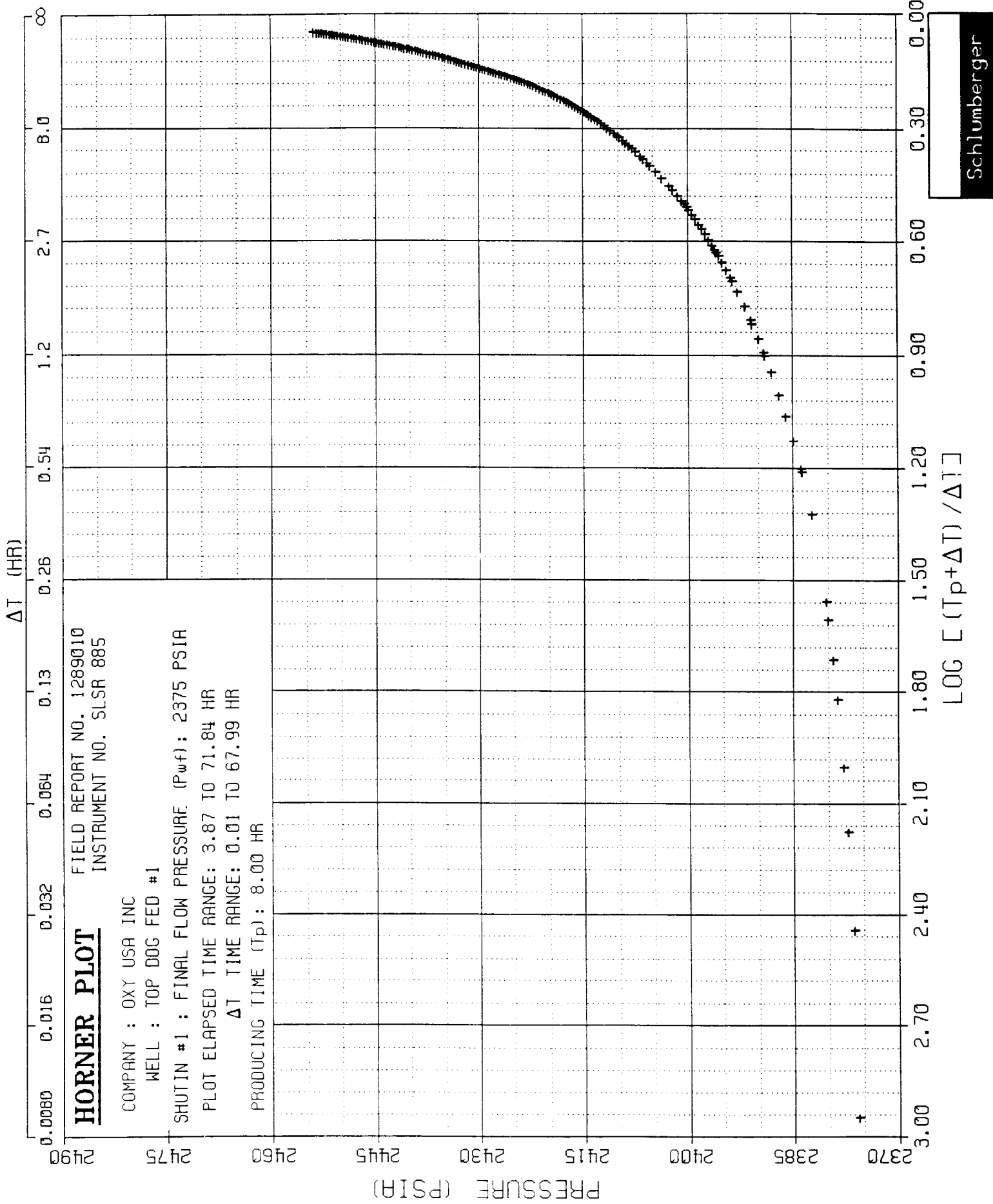


LOG LOG PLOT

COMPANY : OXY USA INC
WELL : TOP DOG FED #1
FIELD REPORT NO. 1289010
INSTRUMENT NO. SLR 885

SHUTIN #1 : PRODUCING TIME (Tp): 8.00 HR
FINAL FLOW PRESSURE (Pwf): 2375 PSIA
PLOT ELAPSED TIME RANGE: 3.87 TO 71.84 HR
AT TIME RANGE: 0.01 TO 67.99 HR

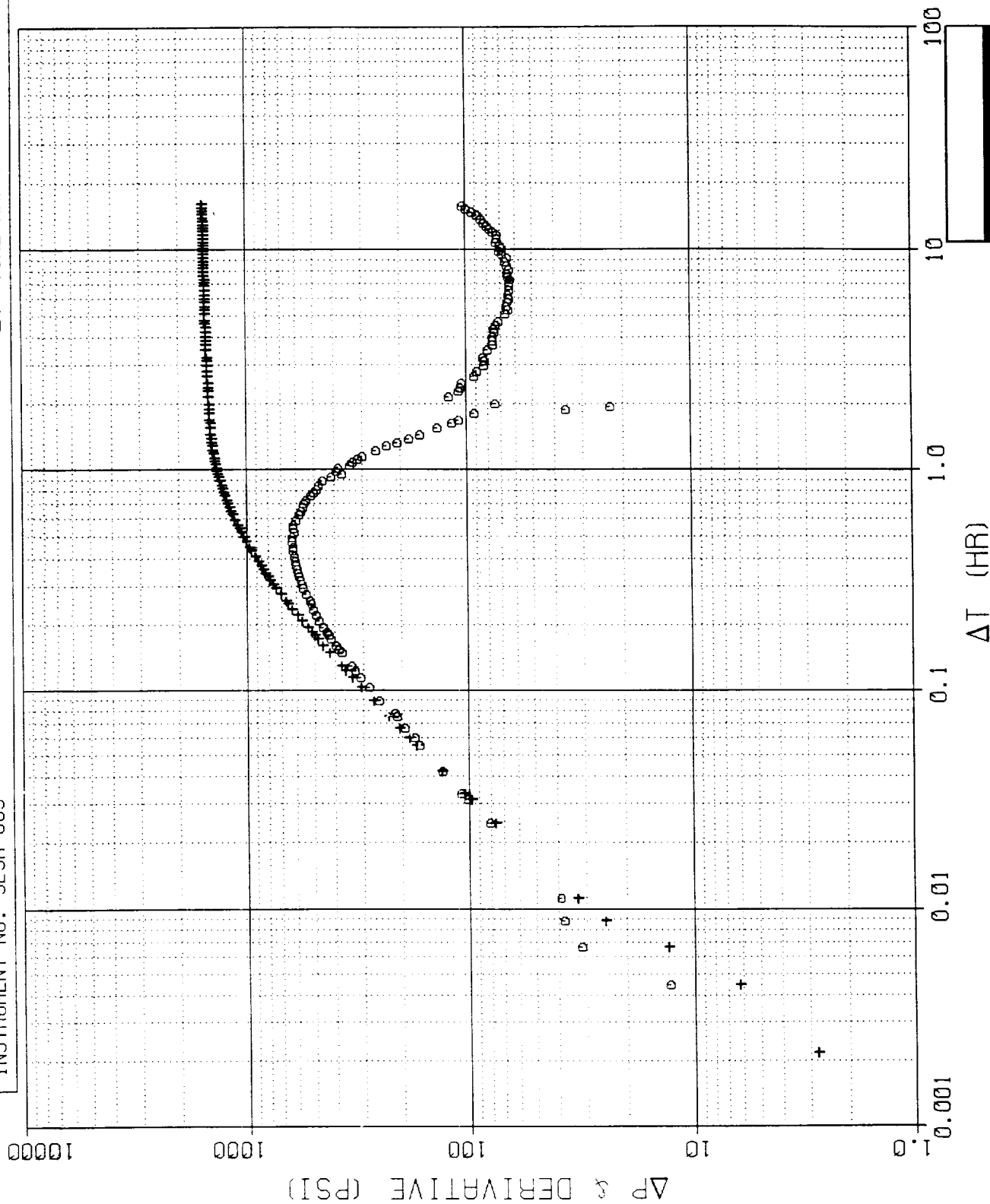




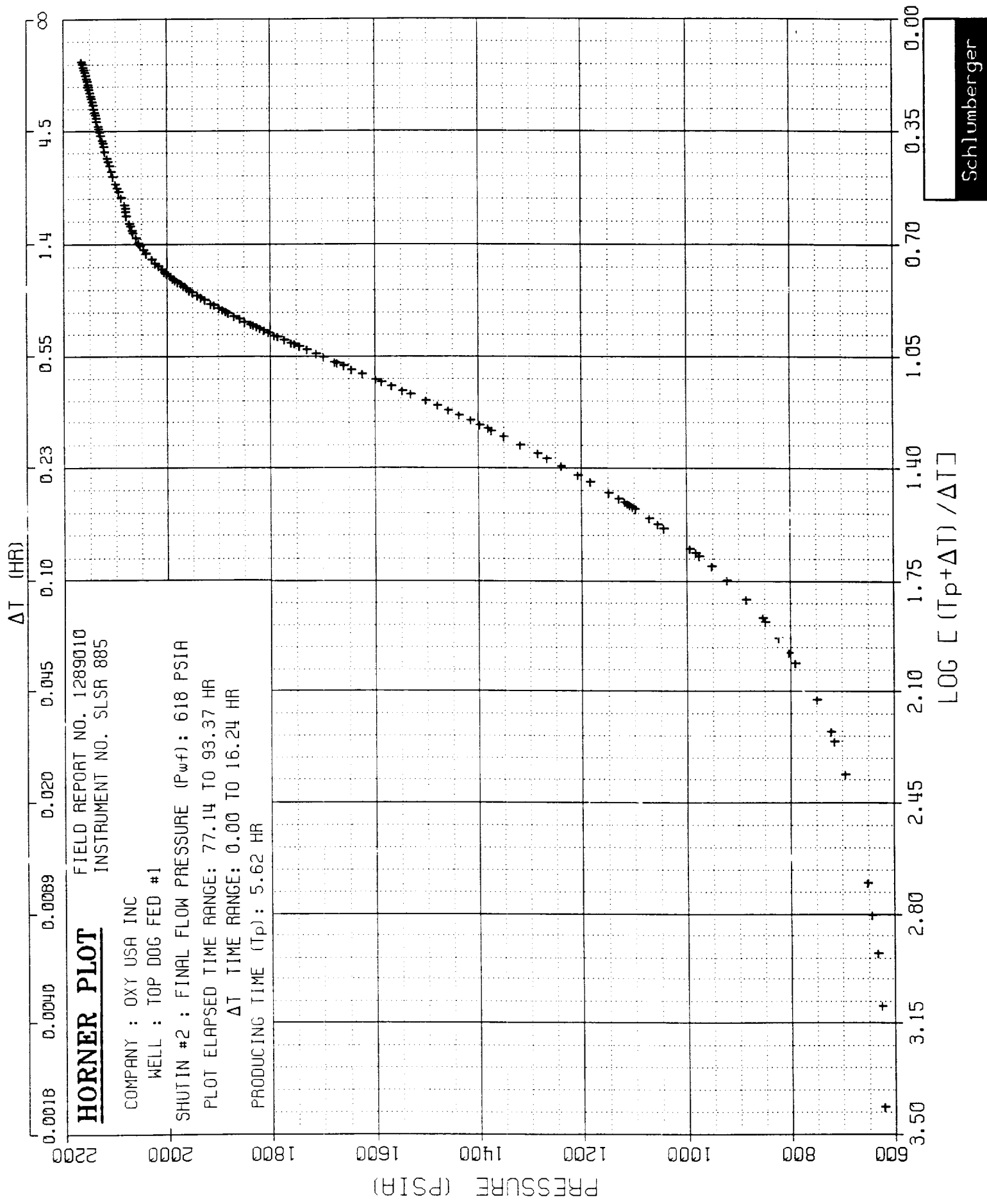
LOG LOG PLOT

COMPANY : OXY USA INC
WELL : TOP DOG FED #1
FIELD REPORT NO. 1289010
INSTRUMENT NO. SLSR 885

SHUTIN #2 : PRODUCING TIME (Tp): 5.62 HR
FINAL FLOW PRESSURE (Pwf): 618 PSIA
PLOT ELAPSED TIME RANGE: 77.14 TO 93.37 HR
 ΔT TIME RANGE: 0.00 TO 16.24 HR



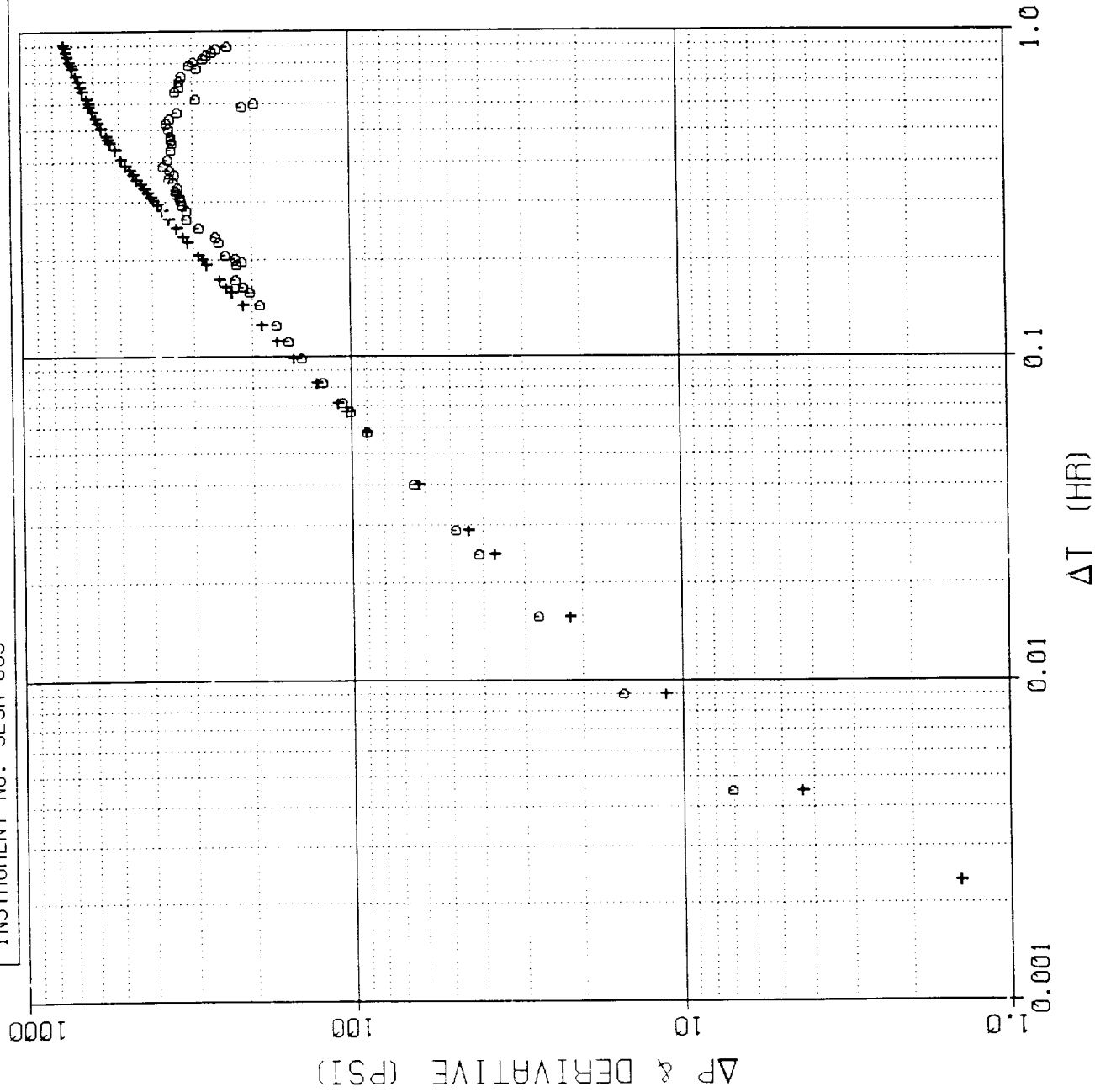
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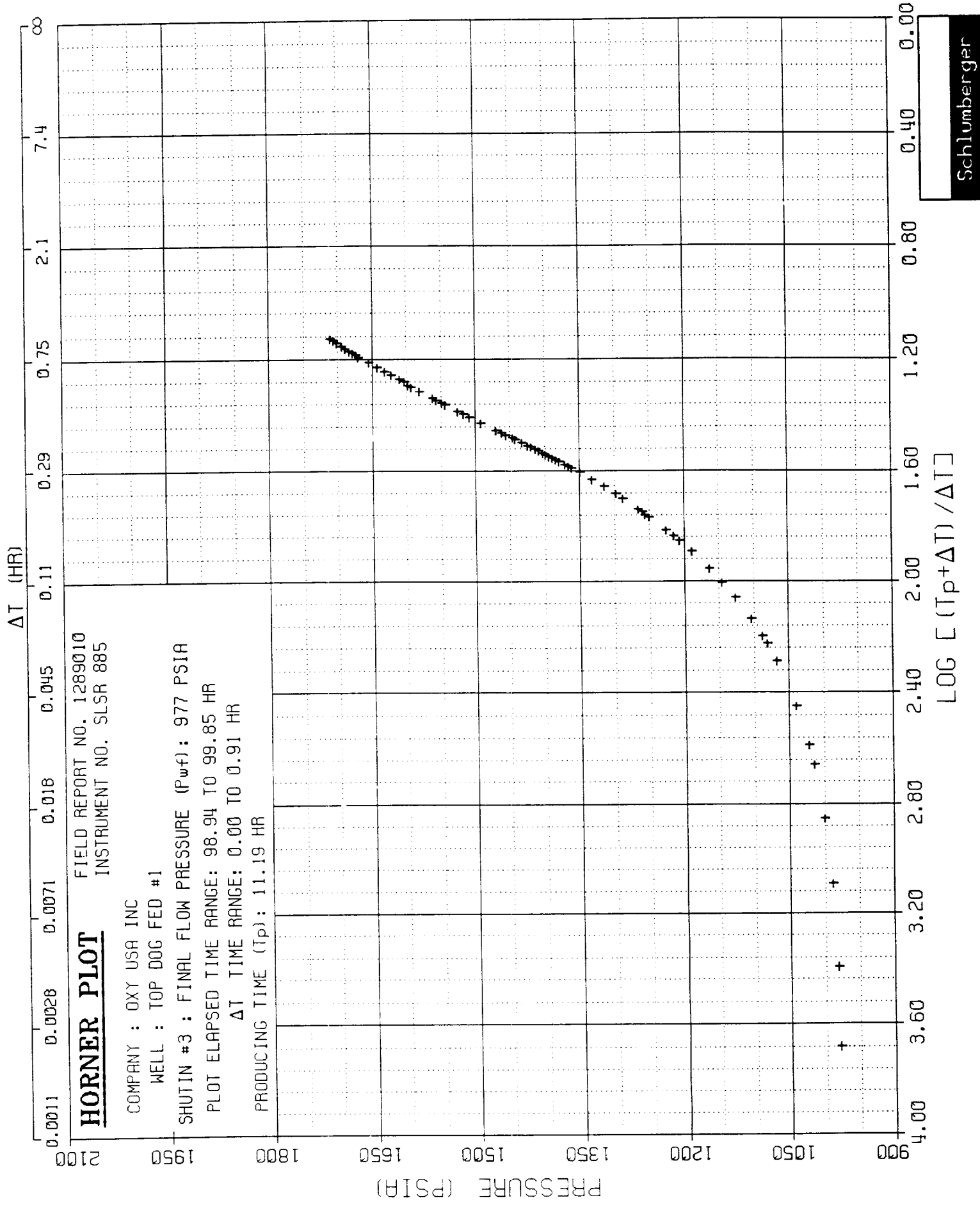
LOG LOG PLOT

COMPANY : OXY USA INC
WELL : TOP DOG FED #1
FIELD REPORT NO. 1289010
INSTRUMENT NO. SLR 885

SHUTIN #3 : PRODUCING TIME (Tp): 11.19 HR
FINAL FLOW PRESSURE (Pwf): 977 PSIA
PLOT ELAPSED TIME RANGE: 98.94 TO 99.85 HR
 ΔT TIME RANGE: 0.00 TO 0.91 HR



Schlumberger



 ** WELL TEST DATA PRINTOUT **

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

FIELD REPORT NO. 1289010
 INSTRUMENT NO. SLSR 885

RECORDER CAPACITY: 10000 PSI PORT OPENING: OUTSIDE 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	12:33:13	10-NOV	GRADIENT STOP	1.754	1803.32	66.70	0.0
2	12:48:41	10-NOV	GRADIENT STOP	2.011	1952.63	77.65	2500.0
3	13:01:45	10-NOV	GRADIENT STOP	2.229	2105.85	93.38	5000.0
4	13:12:57	10-NOV	GRADIENT STOP	2.416	2259.11	113.97	7500.0
5	13:24:25	10-NOV	GRADIENT STOP	2.607	2370.48	134.98	8666.0
6	14:09:45	10-NOV	START FLOW	3.362	2373.69	108.88	
7	14:39:29	10-NOV	END FLOW & START SHUT-IN	3.858	2375.06	144.84	
8	10:38:41	13-NOV	END SHUT-IN	71.845	2453.87	150.12	
9	10:48:33	13-NOV	START FLOW	72.009	2453.72	150.12	
10	10:48:57	13-NOV	CHANGED CHOKE	72.016	2450.59	150.12	
11	11:48:17	13-NOV	CHANGED CHOKE	73.005	1709.50	149.58	
12	12:45:53	13-NOV	CHANGED CHOKE	73.965	1427.29	139.30	
13	14:04:57	13-NOV	CHANGED CHOKE	75.283	1017.15	124.77	
14	15:02:33	13-NOV	CHANGED CHOKE	76.243	739.15	115.84	
15	15:56:09	13-NOV	END FLOW & START SHUT-IN	77.136	618.08	110.97	
16	8:10:17	14-NOV	END SHUT-IN & START FLOW	93.371	2166.85	148.24	
17	11:59:29	14-NOV	END FLOW & START FLOW	97.191	583.15	114.12	
18	13:44:17	14-NOV	END FLOW & START SHUT-IN	98.938	977.36	127.22	
19	14:38:49	14-NOV	END SHUT-IN	99.847	1713.56	134.42	

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	3.362	3.858	0.495	2373.69	2375.06	2373.69
2	72.009	77.136	5.127	2453.72	618.08	2453.72
3	93.371	97.191	3.820	2166.85	583.15	2166.85
4	97.191	98.938	1.747	583.15	977.36	583.15

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	3.858	71.845	67.987	2375.06	2453.87	2375.06	8.000
2	77.136	93.371	16.235	618.08	2166.85	618.08	5.622
3	98.938	99.847	0.909	977.36	1713.56	977.36	11.189

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
14:09:45	10-NOV	3.362	0.000	108.88	2373.69
14:25:13	10-NOV	3.620	0.258	141.22	2373.10
14:39:29	10-NOV	3.858	0.495	144.84	2375.06

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2375.06 PSIA
PRODUCING TIME = 8.000 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
14:39:29	10-NOV	3.858	0.000	144.84	2375.06	0.00	
14:41:13	10-NOV	3.887	0.029	144.97	2376.38	1.32	2.4423
14:42:41	10-NOV	3.911	0.053	145.06	2377.23	2.17	2.1790
14:44:17	10-NOV	3.938	0.080	145.15	2377.78	2.72	2.0043
14:46:49	10-NOV	3.980	0.122	145.26	2378.69	3.63	1.8221
14:48:57	10-NOV	4.016	0.158	145.35	2379.24	4.18	1.7134
14:51:37	10-NOV	4.060	0.202	145.42	2379.96	4.90	1.6079
14:53:05	10-NOV	4.085	0.227	145.45	2380.23	5.17	1.5598
15:03:21	10-NOV	4.256	0.398	145.67	2382.23	7.17	1.3245
15:10:49	10-NOV	4.380	0.522	145.78	2383.71	8.65	1.2126
15:18:01	10-NOV	4.500	0.642	145.89	2384.92	9.86	1.1289
15:24:57	10-NOV	4.616	0.758	145.99	2386.00	10.94	1.0628
15:31:45	10-NOV	4.729	0.871	146.08	2386.90	11.84	1.0079
15:40:41	10-NOV	4.878	1.020	146.21	2388.08	13.02	0.9466
15:48:09	10-NOV	5.003	1.145	146.30	2388.96	13.90	0.9025
15:56:33	10-NOV	5.142	1.284	146.39	2389.89	14.83	0.8590
16:04:57	10-NOV	5.283	1.425	146.50	2390.76	15.70	0.8206
16:16:25	10-NOV	5.474	1.616	146.61	2391.83	16.77	0.7746
16:27:21	10-NOV	5.656	1.798	146.71	2392.83	17.77	0.7364
16:36:33	10-NOV	5.809	1.951	146.82	2393.63	18.57	0.7076
16:46:49	10-NOV	5.980	2.122	146.91	2394.48	19.42	0.6785
16:54:41	10-NOV	6.111	2.253	146.98	2395.07	20.01	0.6580
17:01:45	10-NOV	6.229	2.371	147.04	2395.57	20.51	0.6409
17:08:41	10-NOV	6.345	2.487	147.09	2396.11	21.05	0.6250
17:16:25	10-NOV	6.474	2.616	147.16	2396.64	21.58	0.6084
17:22:25	10-NOV	6.574	2.716	147.20	2397.00	21.94	0.5961
17:29:13	10-NOV	6.687	2.829	147.25	2397.49	22.43	0.5830
17:35:53	10-NOV	6.798	2.940	147.31	2397.93	22.87	0.5707
17:43:13	10-NOV	6.920	3.062	147.36	2398.37	23.31	0.5578
17:59:29	10-NOV	7.191	3.333	147.47	2399.36	24.30	0.5315
18:19:53	10-NOV	7.531	3.673	147.60	2400.47	25.41	0.5021
18:36:25	10-NOV	7.807	3.949	147.69	2401.46	26.40	0.4808
18:59:29	10-NOV	8.191	4.333	147.81	2402.66	27.60	0.4543
19:19:37	10-NOV	8.527	4.669	147.90	2403.68	28.62	0.4335
19:38:33	10-NOV	8.842	4.984	147.99	2404.56	29.50	0.4158
19:55:29	10-NOV	9.125	5.267	148.06	2405.35	30.29	0.4012
20:17:53	10-NOV	9.498	5.640	148.15	2406.31	31.25	0.3835
20:36:01	10-NOV	9.800	5.942	148.23	2407.07	32.01	0.3704
20:52:25	10-NOV	10.074	6.216	148.28	2407.69	32.63	0.3593
21:08:01	10-NOV	10.334	6.476	148.33	2408.29	33.23	0.3494

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2375.06 PSIA

PRODUCING TIME = 8.000 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 HORN TIME
21:23:29	10-NOV	10.591	6.733	148.37	2408.88	33.82	0.3401
21:40:33	10-NOV	10.876	7.018	148.42	2409.45	34.39	0.3304
21:55:37	10-NOV	11.127	7.269	148.46	2409.98	34.92	0.3223
22:11:05	10-NOV	11.385	7.527	148.50	2410.52	35.46	0.3145
22:26:09	10-NOV	11.636	7.778	148.53	2411.02	35.96	0.3072
22:41:29	10-NOV	11.891	8.033	148.57	2411.51	36.45	0.3001
23:00:01	10-NOV	12.200	8.342	148.62	2412.09	37.03	0.2920
23:16:41	10-NOV	12.478	8.620	148.66	2412.64	37.58	0.2851
23:32:09	10-NOV	12.736	8.878	148.68	2413.06	38.00	0.2790
23:48:49	10-NOV	13.014	9.156	148.71	2413.59	38.53	0.2727
0:05:29	11-NOV	13.291	9.433	148.75	2414.07	39.01	0.2667
0:26:01	11-NOV	13.634	9.776	148.78	2414.65	39.59	0.2597
0:41:13	11-NOV	13.887	10.029	148.82	2415.09	40.03	0.2547
0:56:33	11-NOV	14.142	10.285	148.84	2415.51	40.45	0.2499
1:14:41	11-NOV	14.445	10.587	148.87	2415.97	40.91	0.2444
1:31:05	11-NOV	14.718	10.860	148.89	2416.41	41.35	0.2397
1:52:01	11-NOV	15.067	11.209	148.93	2416.95	41.89	0.2339
2:12:33	11-NOV	15.409	11.551	148.96	2417.49	42.43	0.2285
2:29:21	11-NOV	15.689	11.831	148.98	2417.96	42.90	0.2243
2:45:37	11-NOV	15.960	12.102	149.00	2418.39	43.33	0.2204
3:00:49	11-NOV	16.214	12.356	149.02	2418.78	43.72	0.2168
3:16:01	11-NOV	16.467	12.609	149.04	2419.17	44.11	0.2134
3:31:29	11-NOV	16.725	12.867	149.05	2419.53	44.47	0.2100
3:47:29	11-NOV	16.991	13.133	149.07	2419.93	44.87	0.2066
4:03:45	11-NOV	17.263	13.405	149.11	2420.32	45.26	0.2033
4:18:49	11-NOV	17.514	13.656	149.11	2420.69	45.63	0.2003
4:39:05	11-NOV	17.851	13.993	149.14	2421.16	46.10	0.1964
5:01:29	11-NOV	18.225	14.367	149.16	2421.68	46.62	0.1922
5:21:13	11-NOV	18.554	14.696	149.18	2422.12	47.06	0.1888
5:39:05	11-NOV	18.851	14.993	149.20	2422.54	47.48	0.1857
6:00:49	11-NOV	19.214	15.356	149.22	2423.04	47.98	0.1821
6:17:05	11-NOV	19.485	15.627	149.23	2423.32	48.26	0.1795
6:32:49	11-NOV	19.747	15.889	149.25	2423.64	48.58	0.1771
6:53:37	11-NOV	20.094	16.236	149.27	2424.06	49.00	0.1740
7:08:57	11-NOV	20.349	16.491	149.27	2424.47	49.41	0.1718
7:25:21	11-NOV	20.622	16.764	149.29	2424.89	49.83	0.1694
7:44:41	11-NOV	20.945	17.087	149.31	2425.34	50.28	0.1668
8:00:09	11-NOV	21.203	17.344	149.32	2425.66	50.60	0.1647
8:20:41	11-NOV	21.545	17.687	149.32	2426.12	51.06	0.1621
8:38:17	11-NOV	21.838	17.980	149.34	2426.48	51.42	0.1598
8:58:25	11-NOV	22.174	18.316	149.36	2426.86	51.80	0.1574
9:13:29	11-NOV	22.425	18.567	149.36	2427.19	52.13	0.1556
9:30:01	11-NOV	22.700	18.842	149.38	2427.51	52.45	0.1537
9:47:21	11-NOV	22.989	19.131	149.40	2427.82	52.76	0.1517
10:02:57	11-NOV	23.249	19.391	149.40	2428.16	53.10	0.1500
10:23:45	11-NOV	23.596	19.738	149.41	2428.61	53.55	0.1478
10:38:49	11-NOV	23.847	19.989	149.43	2428.87	53.81	0.1462
10:56:41	11-NOV	24.145	20.287	149.43	2429.20	54.14	0.1444
11:19:29	11-NOV	24.525	20.667	149.45	2429.54	54.48	0.1421
11:38:09	11-NOV	24.836	20.978	149.47	2429.87	54.81	0.1403

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2375.06 PSIA

PRODUCING TIME = 8.000 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
11:54:09	11-NOV	25.103	21.245	149.47	2430.19	55.13	0.1388
12:12:33	11-NOV	25.409	21.551	149.49	2430.44	55.38	0.1371
12:33:05	11-NOV	25.751	21.893	149.49	2430.75	55.69	0.1353
12:48:09	11-NOV	26.003	22.145	149.50	2431.02	55.96	0.1339
13:04:49	11-NOV	26.280	22.422	149.50	2431.34	56.28	0.1325
13:24:09	11-NOV	26.603	22.745	149.52	2431.66	56.60	0.1309
13:41:13	11-NOV	26.887	23.029	149.52	2431.92	56.86	0.1295
13:59:37	11-NOV	27.194	23.336	149.54	2432.22	57.16	0.1280
14:17:37	11-NOV	27.494	23.636	149.54	2432.49	57.43	0.1266
14:32:57	11-NOV	27.749	23.891	149.56	2432.65	57.59	0.1254
14:49:05	11-NOV	28.018	24.160	149.56	2432.91	57.85	0.1242
15:05:29	11-NOV	28.291	24.433	149.56	2433.15	58.09	0.1230
15:20:41	11-NOV	28.545	24.687	149.58	2433.32	58.26	0.1219
15:44:17	11-NOV	28.938	25.080	149.59	2433.71	58.65	0.1202
16:01:45	11-NOV	29.229	25.371	149.59	2433.96	58.90	0.1190
16:19:45	11-NOV	29.529	25.671	149.59	2434.18	59.12	0.1178
16:37:29	11-NOV	29.825	25.967	149.61	2434.45	59.39	0.1166
16:56:17	11-NOV	30.138	26.280	149.61	2434.70	59.64	0.1154
17:12:09	11-NOV	30.403	26.545	149.63	2434.93	59.87	0.1144
17:28:01	11-NOV	30.667	26.809	149.63	2435.16	60.10	0.1134
17:45:21	11-NOV	30.956	27.098	149.63	2435.31	60.25	0.1123
18:03:13	11-NOV	31.254	27.396	149.65	2435.52	60.46	0.1113
18:18:25	11-NOV	31.507	27.649	149.65	2435.75	60.69	0.1104
18:33:45	11-NOV	31.763	27.905	149.65	2435.84	60.78	0.1095
18:51:53	11-NOV	32.065	28.207	149.67	2436.13	61.07	0.1084
19:07:13	11-NOV	32.320	28.462	149.67	2436.34	61.28	0.1076
19:22:41	11-NOV	32.578	28.720	149.67	2436.49	61.43	0.1067
19:46:25	11-NOV	32.974	29.116	149.68	2436.75	61.69	0.1054
20:04:01	11-NOV	33.267	29.409	149.68	2437.01	61.95	0.1045
20:25:29	11-NOV	33.625	29.767	149.70	2437.25	62.19	0.1034
20:46:49	11-NOV	33.980	30.122	149.72	2437.47	62.41	0.1023
21:06:57	11-NOV	34.316	30.458	149.72	2437.75	62.69	0.1013
21:26:25	11-NOV	34.640	30.782	149.72	2438.01	62.95	0.1003
21:41:37	11-NOV	34.894	31.036	149.72	2438.15	63.09	0.0996
21:57:37	11-NOV	35.160	31.302	149.74	2438.31	63.25	0.0988
22:18:09	11-NOV	35.502	31.644	149.74	2438.54	63.48	0.0979
22:37:45	11-NOV	35.829	31.971	149.74	2438.72	63.66	0.0970
22:58:57	11-NOV	36.182	32.325	149.76	2438.91	63.85	0.0960
23:14:01	11-NOV	36.434	32.576	149.76	2439.14	64.08	0.0954
23:34:41	11-NOV	36.778	32.920	149.76	2439.32	64.26	0.0945
23:49:45	11-NOV	37.029	33.171	149.77	2439.43	64.37	0.0938
0:08:25	12-NOV	37.340	33.482	149.77	2439.65	64.59	0.0930
0:30:09	12-NOV	37.702	33.844	149.77	2439.82	64.76	0.0922
0:47:45	12-NOV	37.996	34.138	149.79	2440.05	64.99	0.0914
1:07:21	12-NOV	38.323	34.465	149.79	2440.24	65.18	0.0907
1:33:45	12-NOV	38.763	34.904	149.81	2440.44	65.38	0.0896
1:50:09	12-NOV	39.036	35.178	149.81	2440.72	65.66	0.0890
2:12:41	12-NOV	39.411	35.553	149.81	2440.89	65.83	0.0881
2:33:13	12-NOV	39.754	35.896	149.81	2441.11	66.05	0.0874
2:54:25	12-NOV	40.107	36.249	149.81	2441.33	66.27	0.0866

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2375.06 PSIA

PRODUCING TIME = 8.000 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
3:12:09	12-NOV	40.403	36.544	149.83	2441.46	66.40	0.0860
3:27:13	12-NOV	40.654	36.796	149.83	2441.55	66.49	0.0854
3:49:37	12-NOV	41.027	37.169	149.83	2441.75	66.69	0.0847
4:12:33	12-NOV	41.409	37.551	149.85	2441.95	66.89	0.0839
4:28:17	12-NOV	41.671	37.813	149.85	2442.06	67.00	0.0833
4:52:49	12-NOV	42.080	38.222	149.85	2442.25	67.19	0.0825
5:09:13	12-NOV	42.354	38.496	149.85	2442.47	67.41	0.0820
5:33:05	12-NOV	42.751	38.893	149.86	2442.64	67.58	0.0812
5:48:49	12-NOV	43.014	39.156	149.86	2442.81	67.75	0.0807
6:11:45	12-NOV	43.396	39.538	149.86	2443.00	67.94	0.0800
6:31:21	12-NOV	43.722	39.865	149.86	2443.20	68.14	0.0794
6:53:37	12-NOV	44.094	40.236	149.88	2443.37	68.31	0.0788
7:13:45	12-NOV	44.429	40.571	149.88	2443.61	68.55	0.0782
7:33:53	12-NOV	44.765	40.907	149.88	2443.70	68.64	0.0776
7:54:01	12-NOV	45.100	41.242	149.88	2443.93	68.87	0.0770
8:18:17	12-NOV	45.505	41.647	149.88	2444.19	69.13	0.0763
8:38:25	12-NOV	45.840	41.982	149.90	2444.29	69.23	0.0757
8:58:33	12-NOV	46.176	42.318	149.90	2444.51	69.45	0.0752
9:15:29	12-NOV	46.458	42.600	149.90	2444.67	69.61	0.0747
9:38:49	12-NOV	46.847	42.989	149.90	2444.86	69.80	0.0741
9:54:33	12-NOV	47.109	43.251	149.92	2444.99	69.93	0.0737
10:13:45	12-NOV	47.429	43.571	149.92	2445.17	70.11	0.0732
10:29:05	12-NOV	47.685	43.827	149.92	2445.29	70.23	0.0728
10:55:45	12-NOV	48.129	44.271	149.92	2445.45	70.39	0.0721
11:19:29	12-NOV	48.525	44.667	149.92	2445.58	70.52	0.0716
11:39:37	12-NOV	48.860	45.002	149.94	2445.70	70.64	0.0711
11:59:45	12-NOV	49.196	45.338	149.94	2445.86	70.80	0.0706
12:19:53	12-NOV	49.531	45.673	149.94	2446.00	70.94	0.0701
12:40:01	12-NOV	49.867	46.009	149.94	2446.16	71.10	0.0696
13:00:09	12-NOV	50.202	46.344	149.95	2446.32	71.26	0.0692
13:20:17	12-NOV	50.538	46.680	149.95	2446.45	71.39	0.0687
13:40:25	12-NOV	50.874	47.016	149.95	2446.58	71.52	0.0682
13:58:41	12-NOV	51.178	47.320	149.95	2446.74	71.68	0.0678
14:18:01	12-NOV	51.500	47.642	149.95	2446.87	71.81	0.0674
14:35:45	12-NOV	51.796	47.938	149.95	2446.97	71.91	0.0670
14:57:45	12-NOV	52.162	48.305	149.95	2447.12	72.06	0.0666
15:17:29	12-NOV	52.491	48.633	149.97	2447.35	72.29	0.0661
15:36:33	12-NOV	52.809	48.951	149.97	2447.45	72.39	0.0657
15:53:29	12-NOV	53.091	49.233	149.97	2447.55	72.49	0.0654
16:12:57	12-NOV	53.416	49.558	149.97	2447.73	72.67	0.0650
16:28:09	12-NOV	53.669	49.811	149.97	2447.82	72.76	0.0647
16:46:25	12-NOV	53.974	50.116	149.97	2447.90	72.84	0.0643
17:01:45	12-NOV	54.229	50.371	149.99	2447.99	72.93	0.0640
17:21:53	12-NOV	54.565	50.707	149.99	2448.14	73.08	0.0636
17:43:13	12-NOV	54.920	51.062	149.99	2448.26	73.20	0.0632
18:01:05	12-NOV	55.218	51.360	149.99	2448.38	73.32	0.0629
18:20:57	12-NOV	55.549	51.691	149.99	2448.54	73.48	0.0625
18:43:37	12-NOV	55.927	52.069	149.99	2448.66	73.60	0.0621
19:00:33	12-NOV	56.209	52.351	150.01	2448.78	73.72	0.0618
19:23:53	12-NOV	56.598	52.740	150.01	2448.91	73.85	0.0613

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 2375.06 PSIA
PRODUCING TIME = 8.000 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
19:41:53	12-NOV	56.898	53.040	150.01	2449.01	73.95	0.0610
20:00:49	12-NOV	57.214	53.356	150.01	2449.07	74.01	0.0607
20:16:41	12-NOV	57.478	53.620	150.01	2449.18	74.12	0.0604
20:38:33	12-NOV	57.843	53.985	150.01	2449.31	74.25	0.0600
21:03:05	12-NOV	58.251	54.393	150.03	2449.46	74.40	0.0596
21:19:05	12-NOV	58.518	54.660	150.03	2449.56	74.50	0.0593
21:34:09	12-NOV	58.769	54.911	150.03	2449.66	74.60	0.0591
21:49:37	12-NOV	59.027	55.169	150.03	2449.74	74.68	0.0588
22:04:57	12-NOV	59.282	55.424	150.03	2449.86	74.80	0.0586
22:25:05	12-NOV	59.618	55.760	150.03	2449.91	74.85	0.0582
22:45:05	12-NOV	59.951	56.093	150.03	2450.09	75.03	0.0579
23:00:57	12-NOV	60.216	56.358	150.03	2450.20	75.14	0.0576
23:17:29	12-NOV	60.491	56.633	150.04	2450.27	75.21	0.0574
23:40:17	12-NOV	60.871	57.013	150.04	2450.42	75.36	0.0570
0:05:45	13-NOV	61.296	57.438	150.04	2450.57	75.51	0.0566
0:25:53	13-NOV	61.631	57.773	150.04	2450.63	75.57	0.0563
0:46:01	13-NOV	61.967	58.109	150.04	2450.77	75.71	0.0560
1:02:17	13-NOV	62.238	58.380	150.04	2450.89	75.83	0.0558
1:26:17	13-NOV	62.638	58.780	150.06	2451.01	75.95	0.0554
1:45:13	13-NOV	62.954	59.096	150.06	2451.09	76.03	0.0551
2:06:33	13-NOV	63.309	59.451	150.06	2451.21	76.15	0.0548
2:26:41	13-NOV	63.645	59.787	150.06	2451.30	76.24	0.0545
2:44:17	13-NOV	63.938	60.080	150.06	2451.38	76.32	0.0543
3:06:57	13-NOV	64.316	60.458	150.06	2451.50	76.44	0.0540
3:27:05	13-NOV	64.651	60.793	150.06	2451.66	76.60	0.0537
3:48:25	13-NOV	65.007	61.149	150.08	2451.76	76.70	0.0534
4:08:33	13-NOV	65.342	61.485	150.08	2451.85	76.79	0.0531
4:28:41	13-NOV	65.678	61.820	150.08	2451.94	76.88	0.0529
4:48:49	13-NOV	66.014	62.156	150.08	2452.10	77.04	0.0526
5:08:57	13-NOV	66.349	62.491	150.08	2452.20	77.14	0.0523
5:29:05	13-NOV	66.685	62.827	150.08	2452.28	77.22	0.0521
5:48:17	13-NOV	67.005	63.147	150.08	2452.36	77.30	0.0518
6:05:45	13-NOV	67.296	63.438	150.08	2452.43	77.37	0.0516
6:25:53	13-NOV	67.631	63.773	150.08	2452.49	77.43	0.0513
6:40:57	13-NOV	67.882	64.024	150.08	2452.56	77.50	0.0511
7:09:29	13-NOV	68.358	64.500	150.10	2452.75	77.69	0.0508
7:29:37	13-NOV	68.694	64.836	150.10	2452.84	77.78	0.0505
7:49:45	13-NOV	69.029	65.171	150.10	2452.92	77.86	0.0503
8:07:13	13-NOV	69.320	65.462	150.10	2452.99	77.93	0.0501
8:30:01	13-NOV	69.700	65.842	150.10	2453.16	78.10	0.0498
8:50:09	13-NOV	70.036	66.178	150.12	2453.28	78.22	0.0496
9:10:17	13-NOV	70.371	66.513	150.12	2453.38	78.32	0.0493
9:30:25	13-NOV	70.707	66.849	150.12	2453.45	78.39	0.0491
9:47:05	13-NOV	70.985	67.127	150.12	2453.56	78.50	0.0489
10:02:25	13-NOV	71.240	67.382	150.12	2453.60	78.54	0.0487
10:30:49	13-NOV	71.714	67.856	150.12	2453.76	78.70	0.0484
10:38:41	13-NOV	71.845	67.987	150.12	2453.87	78.81	0.0483

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
0:48:33	13-NOV	72.009	0.000	150.12	2453.72
1:03:37	13-NOV	72.260	0.251	150.12	2428.51
1:18:41	13-NOV	72.511	0.502	150.15	2354.56
1:34:09	13-NOV	72.769	0.760	150.06	2123.26
1:49:21	13-NOV	73.022	1.013	149.54	1695.59
2:04:25	13-NOV	73.274	1.265	148.50	1523.84
2:19:29	13-NOV	73.525	1.516	145.17	1457.15
2:34:41	13-NOV	73.778	1.769	141.40	1438.55
2:49:45	13-NOV	74.029	2.020	138.67	1406.65
3:04:49	13-NOV	74.280	2.271	135.86	1175.49
3:19:53	13-NOV	74.531	2.522	131.61	1063.62
3:37:53	13-NOV	74.831	2.822	127.54	1059.93
3:52:57	13-NOV	75.083	3.073	125.76	1042.36
4:08:09	13-NOV	75.336	3.327	124.52	989.69
4:23:13	13-NOV	75.587	3.578	122.40	784.44
4:40:25	13-NOV	75.874	3.865	118.62	755.79
4:55:37	13-NOV	76.127	4.118	116.47	742.44
5:10:41	13-NOV	76.378	4.369	115.05	639.97
5:26:25	13-NOV	76.640	4.631	112.96	622.89
5:42:49	13-NOV	76.914	4.905	111.51	618.50
5:56:09	13-NOV	77.136	5.127	110.97	618.08

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 618.08 PSIA
PRODUCING TIME = 5.622 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
15:56:09	13-NOV	77.136	0.000	110.97	618.08	0.00	
15:56:49	13-NOV	77.147	0.011	110.95	650.91	32.83	2.7029
15:57:37	13-NOV	77.160	0.025	110.97	693.94	75.86	2.3626
15:58:41	13-NOV	77.178	0.042	111.00	749.59	131.51	2.1281
15:59:29	13-NOV	77.191	0.056	111.04	789.92	171.84	2.0099
16:00:09	13-NOV	77.202	0.067	111.11	822.16	204.08	1.9311
16:00:49	13-NOV	77.214	0.078	111.18	854.15	236.07	1.8647
16:01:29	13-NOV	77.225	0.089	111.27	885.52	267.44	1.8081
16:02:17	13-NOV	77.238	0.102	111.38	922.23	304.15	1.7484
16:03:29	13-NOV	77.258	0.122	111.58	975.53	357.45	1.6723
16:05:05	13-NOV	77.285	0.149	111.90	1043.04	424.96	1.5885
16:06:25	13-NOV	77.307	0.171	112.23	1096.96	478.88	1.5295
16:07:45	13-NOV	77.329	0.193	112.60	1148.20	530.12	1.4783
16:09:21	13-NOV	77.356	0.220	113.09	1206.70	588.62	1.4241
16:11:05	13-NOV	77.385	0.249	113.70	1266.11	648.03	1.3728
16:12:41	13-NOV	77.411	0.276	114.31	1317.32	699.24	1.3306
16:14:33	13-NOV	77.442	0.307	115.07	1373.69	755.61	1.2863
16:16:01	13-NOV	77.467	0.331	115.70	1415.26	797.18	1.2547
16:17:37	13-NOV	77.494	0.358	116.40	1458.04	839.96	1.2230
16:19:21	13-NOV	77.522	0.387	117.18	1501.68	883.60	1.1915
16:21:13	13-NOV	77.554	0.418	118.02	1545.82	927.74	1.1600
16:23:05	13-NOV	77.585	0.449	118.85	1586.99	968.91	1.1312

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 618.08 PSIA
PRODUCING TIME = 5.622 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
16:24:49	13-NOV	77.614	0.478	119.64	1622.83	1004.75	1.1061
16:26:41	13-NOV	77.645	0.509	120.45	1658.85	1040.77	1.0810
16:32:49	13-NOV	77.747	0.611	122.90	1760.40	1142.32	1.0086
16:38:49	13-NOV	77.847	0.711	124.92	1837.68	1219.60	0.9497
16:44:57	13-NOV	77.949	0.813	126.64	1898.22	1280.14	0.8983
16:51:45	13-NOV	78.062	0.927	128.21	1950.37	1332.29	0.8492
16:57:45	13-NOV	78.162	1.027	129.34	1984.61	1366.53	0.8113
17:03:45	13-NOV	78.262	1.127	130.37	2010.29	1392.21	0.7774
17:11:05	13-NOV	78.385	1.249	131.34	2033.79	1415.71	0.7405
17:18:49	13-NOV	78.514	1.378	132.13	2050.98	1432.90	0.7059
17:24:49	13-NOV	78.614	1.478	132.64	2060.53	1442.45	0.6816
17:30:57	13-NOV	78.716	1.580	133.11	2067.65	1449.57	0.6588
17:36:57	13-NOV	78.816	1.680	133.56	2073.11	1455.03	0.6381
17:44:09	13-NOV	78.936	1.800	134.06	2078.30	1460.22	0.6153
17:50:17	13-NOV	79.038	1.902	134.47	2080.30	1462.22	0.5972
17:56:57	13-NOV	79.149	2.013	134.94	2082.98	1464.90	0.5789
18:04:25	13-NOV	79.274	2.138	135.48	2088.36	1470.28	0.5599
18:12:25	13-NOV	79.407	2.271	136.02	2093.45	1475.37	0.5410
18:24:01	13-NOV	79.600	2.465	136.76	2099.62	1481.54	0.5160
18:35:29	13-NOV	79.791	2.656	137.46	2104.54	1486.46	0.4938
18:43:45	13-NOV	79.929	2.793	137.93	2107.56	1489.48	0.4790
18:54:25	13-NOV	80.107	2.971	138.49	2111.19	1493.11	0.4612
19:03:53	13-NOV	80.265	3.129	138.97	2113.81	1495.73	0.4467
19:26:25	13-NOV	80.640	3.505	139.96	2119.73	1501.65	0.4157
19:42:01	13-NOV	80.900	3.765	140.58	2123.08	1505.00	0.3968
20:01:21	13-NOV	81.223	4.087	141.26	2126.78	1508.70	0.3758
20:16:49	13-NOV	81.480	4.344	141.75	2129.31	1511.23	0.3606
20:32:09	13-NOV	81.736	4.600	142.20	2131.67	1513.59	0.3468
21:02:57	13-NOV	82.249	5.113	142.99	2135.67	1517.59	0.3221
21:24:17	13-NOV	82.605	5.469	143.46	2137.90	1519.82	0.3071
21:41:37	13-NOV	82.894	5.758	143.80	2139.62	1521.54	0.2959
22:01:13	13-NOV	83.220	6.085	144.16	2141.32	1523.24	0.2842
22:26:41	13-NOV	83.645	6.509	144.57	2143.36	1525.28	0.2704
22:47:45	13-NOV	83.996	6.860	144.90	2144.90	1526.82	0.2600
23:08:33	13-NOV	84.342	7.207	145.17	2146.28	1528.20	0.2505
23:23:45	13-NOV	84.596	7.460	145.36	2147.23	1529.15	0.2439
23:42:25	13-NOV	84.907	7.771	145.58	2148.35	1530.27	0.2364
0:01:13	14-NOV	85.220	8.085	145.78	2149.41	1531.33	0.2293
0:22:25	14-NOV	85.574	8.438	145.98	2150.50	1532.42	0.2218
0:37:37	14-NOV	85.827	8.691	146.12	2151.27	1533.19	0.2167
0:54:17	14-NOV	86.105	8.969	146.26	2152.08	1534.00	0.2113
1:09:53	14-NOV	86.365	9.229	146.39	2152.80	1534.72	0.2066
1:26:57	14-NOV	86.649	9.513	146.52	2153.55	1535.47	0.2017
1:44:33	14-NOV	86.942	9.807	146.64	2154.34	1536.26	0.1968
2:01:29	14-NOV	87.225	10.089	146.77	2155.06	1536.98	0.1924
2:20:01	14-NOV	87.534	10.398	146.88	2155.78	1537.70	0.1877
2:40:09	14-NOV	87.869	10.733	147.00	2156.56	1538.48	0.1829
3:02:49	14-NOV	88.247	11.111	147.13	2157.43	1539.35	0.1778
3:25:45	14-NOV	88.629	11.493	147.25	2158.23	1540.15	0.1729
3:48:01	14-NOV	89.000	11.865	147.36	2158.99	1540.91	0.1685

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 618.08 PSIA
PRODUCING TIME = 5.622 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
4:07:37	14-NOV	89.327	12.191	147.45	2159.63	1541.55	0.1647
4:24:17	14-NOV	89.605	12.469	147.52	2160.17	1542.09	0.1616
4:42:33	14-NOV	89.909	12.773	147.60	2160.74	1542.66	0.1584
5:02:33	14-NOV	90.243	13.107	147.67	2161.35	1543.27	0.1550
5:18:01	14-NOV	90.500	13.365	147.72	2161.82	1543.74	0.1525
5:34:57	14-NOV	90.783	13.647	147.79	2162.33	1544.25	0.1498
5:51:21	14-NOV	91.056	13.920	147.85	2162.85	1544.77	0.1473
6:07:21	14-NOV	91.323	14.187	147.90	2163.30	1545.22	0.1450
6:24:25	14-NOV	91.607	14.471	147.96	2163.83	1545.75	0.1425
6:40:17	14-NOV	91.871	14.735	148.01	2164.27	1546.19	0.1404
6:56:57	14-NOV	92.149	15.013	148.05	2164.73	1546.65	0.1381
7:12:01	14-NOV	92.400	15.265	148.10	2165.15	1547.07	0.1362
7:30:57	14-NOV	92.716	15.580	148.15	2165.71	1547.63	0.1338
7:46:33	14-NOV	92.976	15.840	148.19	2166.15	1548.07	0.1319
8:01:53	14-NOV	93.231	16.095	148.23	2166.57	1548.49	0.1301
8:10:17	14-NOV	93.371	16.235	148.24	2166.85	1548.77	0.1291

TEST PHASE: FLOW PERIOD # 3

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
8:10:17	14-NOV	93.371	0.000	148.24	2166.85
8:25:29	14-NOV	93.625	0.253	148.32	1899.46
8:40:33	14-NOV	93.876	0.505	147.16	1396.27
8:56:01	14-NOV	94.134	0.762	143.22	1089.29
9:11:29	14-NOV	94.391	1.020	136.06	796.42
9:26:33	14-NOV	94.642	1.271	128.32	707.17
9:41:37	14-NOV	94.894	1.522	122.50	651.83
9:56:49	14-NOV	95.147	1.776	118.85	628.69
10:12:01	14-NOV	95.400	2.029	116.76	616.22
10:27:05	14-NOV	95.651	2.280	115.47	600.93
10:42:09	14-NOV	95.902	2.531	114.64	601.09
10:58:41	14-NOV	96.178	2.807	114.21	593.30
11:14:33	14-NOV	96.442	3.071	113.99	591.78
11:30:25	14-NOV	96.707	3.336	113.97	586.67
11:46:01	14-NOV	96.967	3.596	114.03	583.16
11:59:29	14-NOV	97.191	3.820	114.12	583.15

TEST PHASE: FLOW PERIOD # 4

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
11:59:29	14-NOV	97.191	0.000	114.12	583.15
12:14:41	14-NOV	97.445	0.253	116.22	1010.09
12:29:45	14-NOV	97.696	0.505	119.62	1035.88
12:45:37	14-NOV	97.960	0.769	122.74	984.09

TEST PHASE: FLOW PERIOD # 4

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
13:00:41	14-NOV	98.211	1.020	124.70	978.86
13:15:53	14-NOV	98.465	1.273	125.87	949.91
13:31:37	14-NOV	98.727	1.536	126.70	967.66
13:44:17	14-NOV	98.938	1.747	127.22	977.36

TEST PHASE: SHUTIN PERIOD # 3

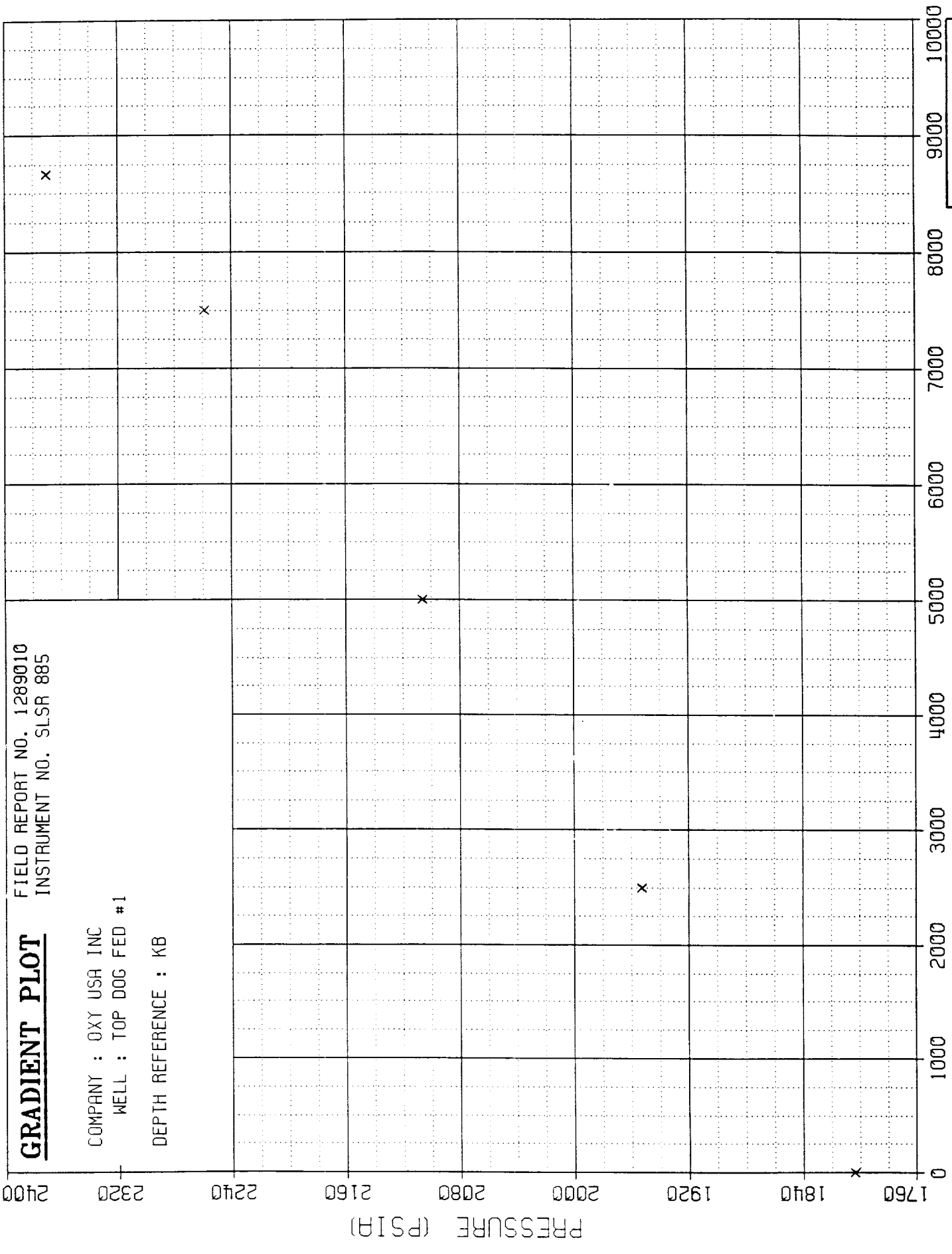
 FINAL FLOW PRESSURE = 977.36 PSIA
 PRODUCING TIME = 11.189 HR

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
13:44:17	14-NOV	98.938	0.000	127.22	977.36	0.00	
13:45:13	14-NOV	98.954	0.016	127.26	999.26	21.90	2.8542
13:46:01	14-NOV	98.967	0.029	127.29	1021.65	44.29	2.5875
13:46:41	14-NOV	98.978	0.040	127.35	1039.77	62.41	2.4482
13:47:45	14-NOV	98.996	0.058	127.44	1067.15	89.79	2.2888
13:48:33	14-NOV	99.009	0.071	127.51	1087.34	109.98	2.1993
13:49:13	14-NOV	99.020	0.082	127.58	1103.77	126.41	2.1364
13:50:09	14-NOV	99.036	0.098	127.67	1126.33	148.97	2.0621
13:50:57	14-NOV	99.049	0.111	127.76	1145.06	167.70	2.0071
13:52:57	14-NOV	99.083	0.145	128.01	1189.47	212.11	1.8945
13:54:41	14-NOV	99.111	0.173	128.23	1226.35	248.99	1.8166
13:56:09	14-NOV	99.136	0.198	128.41	1255.95	278.59	1.7601
13:57:53	14-NOV	99.165	0.227	128.64	1287.86	310.50	1.7021
13:59:21	14-NOV	99.189	0.251	128.86	1313.83	336.47	1.6585
14:01:13	14-NOV	99.220	0.282	129.13	1349.63	372.27	1.6088
14:02:33	14-NOV	99.243	0.305	129.33	1373.41	396.05	1.5769
14:03:45	14-NOV	99.262	0.325	129.49	1393.72	416.36	1.5500
14:04:57	14-NOV	99.283	0.345	129.70	1413.03	435.67	1.5248
14:06:49	14-NOV	99.314	0.376	130.01	1442.34	464.98	1.4883
14:08:01	14-NOV	99.334	0.396	130.21	1461.12	483.76	1.4665
14:10:17	14-NOV	99.371	0.433	130.59	1492.15	514.79	1.4285
14:11:37	14-NOV	99.394	0.456	130.80	1508.86	531.50	1.4075
14:12:57	14-NOV	99.416	0.478	131.02	1524.79	547.43	1.3877
14:14:33	14-NOV	99.442	0.505	131.27	1542.86	565.50	1.3651
14:20:41	14-NOV	99.545	0.607	132.19	1596.97	619.61	1.2888
14:27:53	14-NOV	99.665	0.727	133.14	1654.51	677.15	1.2148
14:34:33	14-NOV	99.776	0.838	133.95	1694.31	716.95	1.1570
14:38:49	14-NOV	99.847	0.909	134.42	1713.56	736.20	1.1241

FIELD REPORT NO. 1289010
INSTRUMENT NO. SLSR 885

GRADIENT PLOT

COMPANY : OXY USA INC
WELL : TOP DOG FED #1
DEPTH REFERENCE : KB



 ** WELL TEST DATA PRINTOUT **

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

FIELD REPORT NO. 1289010
 INSTRUMENT NO. SLSR 885

RECORDER CAPACITY: 10000 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
12:33:13	10-NOV	1.754	0.0	1803.32		66.70	
12:48:41	10-NOV	2.011	2500.0	1952.63	0.0597	77.65	0.00438
13:01:45	10-NOV	2.229	5000.0	2105.85	0.0613	93.38	0.00629
13:12:57	10-NOV	2.416	7500.0	2259.11	0.0613	113.97	0.00824
13:24:25	10-NOV	2.607	8666.0	2370.48	0.0955	134.98	0.0180