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Compañía Petrolera S.A.C.

Well File

Well LO6-23
Lobitos Offshore

12 hrs Buildup pressure Test

July 04th-03th, 2001

GEOSCIENCES Central File
<i>July 20, 2001</i>
DATE

Sh

CPT- 078-01

Talara, June 06th, 2001

ENG° JOHN W. MEYERS
Production Engineering Manager
PETRO-TECH PERUANA S.A.

**CENTRAL FILE
GEOSCIENCES**

Dear Mr:

Attached you will find the report of the BUILDUP PRESSURE & FLOWING GRADIENT test carried out in well LO6-23. Studied sand was Basal Salina (8042'-7904') Lobitos Offshore.

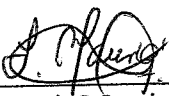
The objective of this test is know Bottom Hole Static Pressure, and fluid levels and gradients at flowing condition.

Data used in this report was obtained using our Memory Gauge model EMS-2000 s/n 5272 with range of 10,000 psi and 302°F , which is aviable for you to have a good service.

If you have any question please contact us.

Thanks for your kind attention

Yours sincerely



Eng° Luis Manrique Carrillo
COPETSA

w.c.
Eng° Ricardo Corman
Well File

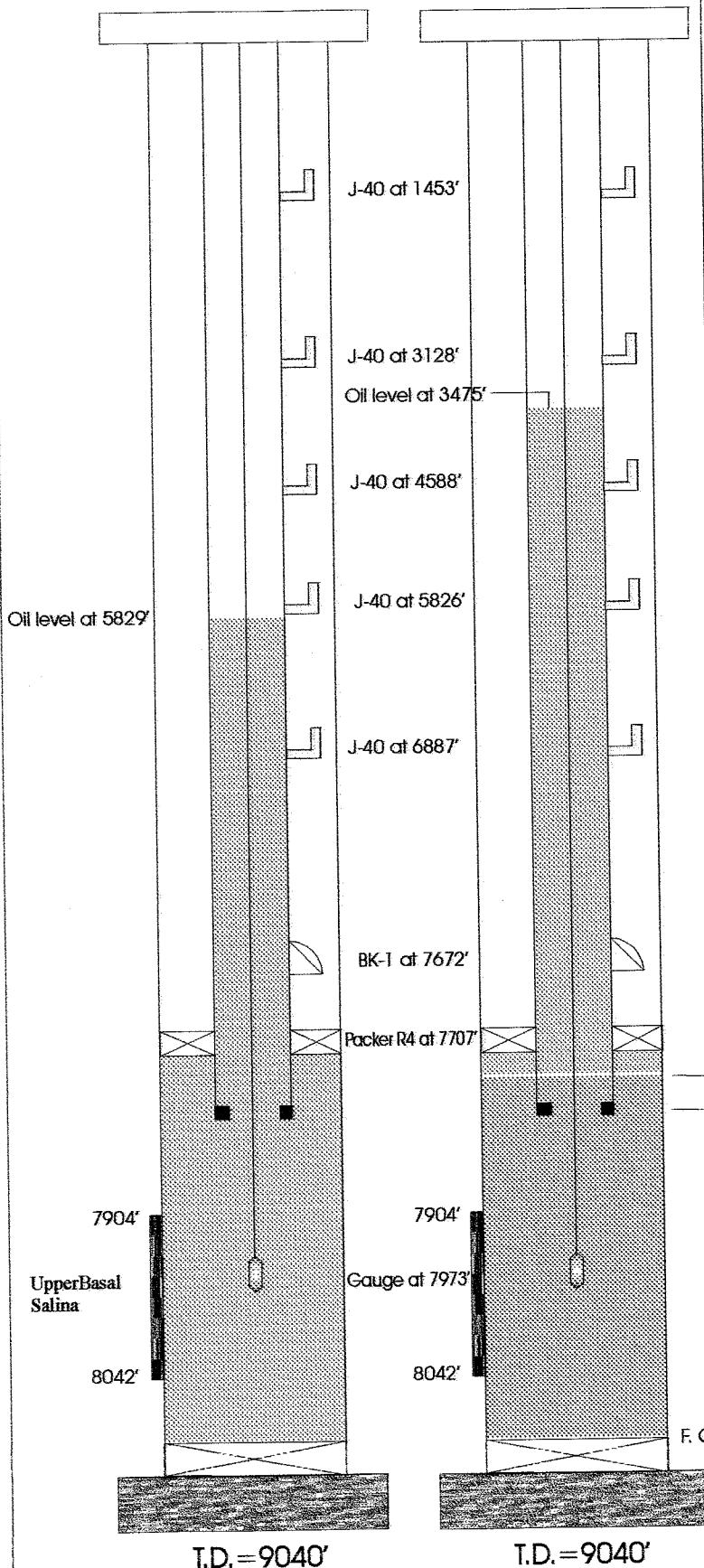
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Type of test: BHP & Static gradient test
Well : LO6-23

Sand: Upp. Basal Salina (8042'- 7904')
Field : Lobitos Offshore

At static condition

At flowing condition



Jul 04th, 2001

Well status: Producing with G/L injection

17:30 Rig up
18:00 Cutting paraffin
19:39 Activate Memory gauge s/n 5272
20:18 RIH gauges
20:43 Gauges at 7973' open to well separator
03 injections cycles are made:
21:00 1st injection: Produced 3.9 Bls
21:20 2nd injection: Produced 4.3 Bls
21:41 3rd injection: Produced 3.8 Bls
21:46 Cut gas lift injection. Well open to separator
x 1.25 hrs. WHP=40 psig
23:00 Shut in well for 12 hrs to take buildup test

Jul 05th, 2001

06:00 WHP=500 psig
11:00 WHP=630 psig
POOH gauge with 4 min steps as follows:
7973' 7000' 6000' 3500'
7800' 6800' 5500' 3000'
7600' 6600' 5000' 2000'
7400' 6400' 4500' 1000'
7200' 6200' 4000' 0'
12:25 Gauges at 0'
12:44 RIH gauges to 7973' and open well to separator x 1/2 hr
13:41 WHP=0 psig
POOH gauge with 4 min steps as follows:
8040' 6000' 3000'
7500' 5000' 1500'
7000' 4000' 0'
14:33 Gauges at 0'
Produced oil=9.3 Bls
14:57 Deactivate gauges
15:00 Rig down

Water level at 7710'

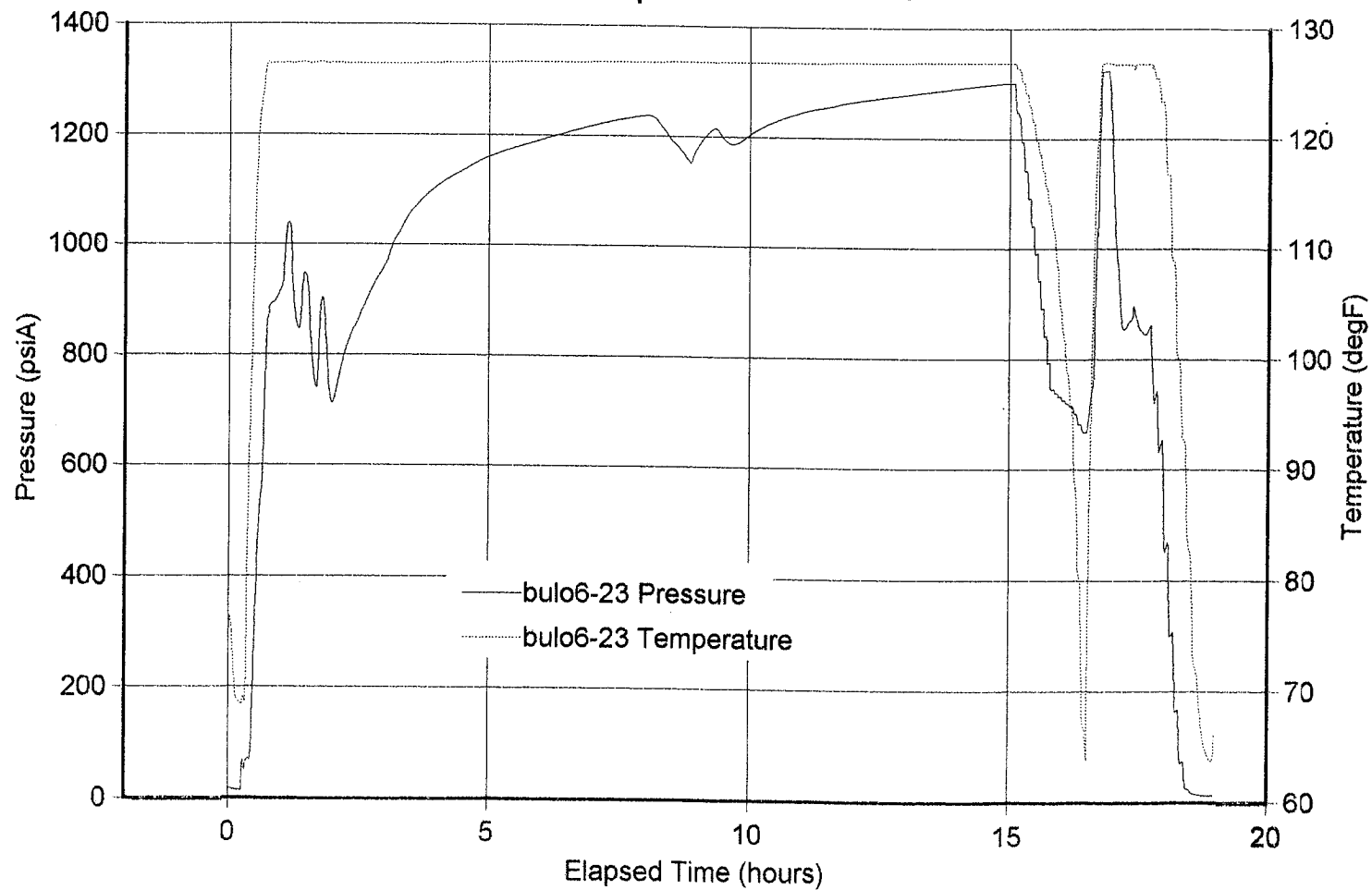
Tubes point at 7741'

F. Collar at 8183'

Field Operator: Alberto Palomino

Field Supervisor: Luis Manrique

Data Graph: Well LO6-23



Summary of Results

Date of Test	July 04th-05th, 2001	
Formation	Upper Basal Salina (8042'-7904')	
Depth of gauges	7,973	M.D. ft
	7,396	V.D. ft

01 hr flowing pressure before shut in well

Well Head Pressure	60	psig (manometer)
Flowing pressure at 7973'	964.34	psia (Memory)
Static Temperature at 7973' MD	126.40	°F
Gradient at 7973'	0.1304	psi/ft
Produced oil	10	Bls

12 hrs at Static Condition

Well Head Pressure	630	psig
Static Pressure at 7973' MD	1300.56	psia (Memory)
Static Temperature at 7973' MD	126.84	°F
Gradient at 7973' MD	0.1758	psi/ft
Gas gradient	0.0144	psi/ft
Oil gradient	0.2891	psi/ft
Oil level	5829	M.D. ft
	5487	V.D. ft

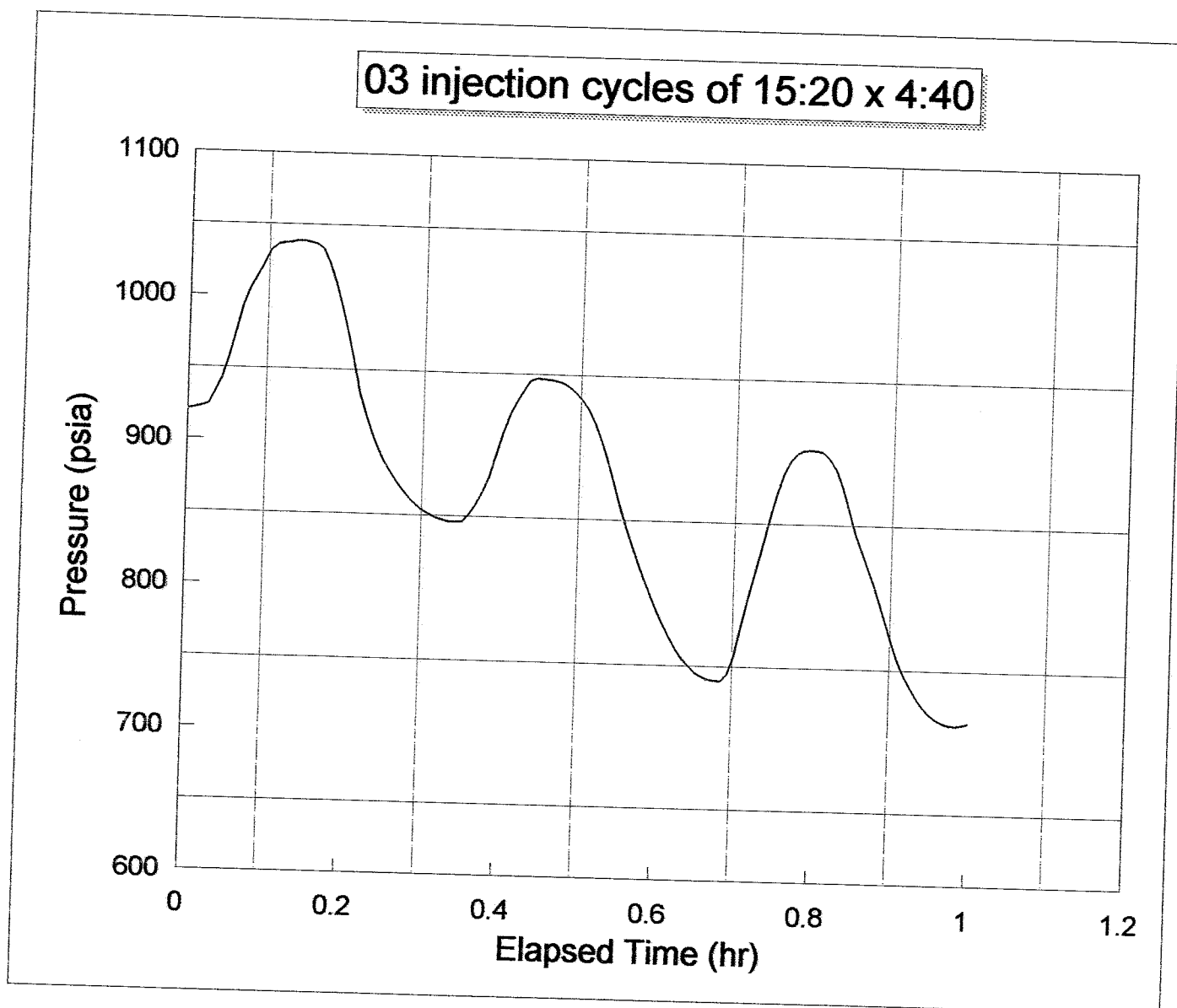
1/2 hr Flowing Condition after buildup test

Well Head Pressure	0	psig
Flowing Pressure at 7973' MD	872.31	psia (Memory)
Flowing Temperature at 7973' MD	126.74	°F
Gradient at 7973' MD	0.1179	psi/ft
Oil level	3475	ft. MD
	3303	ft. VD
Water level	7710	ft. MD
	7169	ft. VD
Gas gradient	0.0205	psi/ft
Oil gradient	0.1789	psi/ft
Water gradient	0.4330	psi/ft
Produced oil	9.3	Bls

03 injection cycles of 15:20 x 4:40**CENTRAL FILE
GEOSCIENCES**

Date	Time	Elapsed Time (hr)	Pressure (psia)	Temperature (°F)
04/07/2001	20:59:10	0.0000	920.43	126.39
04/07/2001	20:59:40	0.0083	921.62	126.39
04/07/2001	21:00:10	0.0167	922.73	126.39
04/07/2001	21:00:40	0.0250	923.90	126.39
04/07/2001	21:01:10	0.0333	932.71	126.39
04/07/2001	21:01:40	0.0417	942.55	126.40
04/07/2001	21:02:10	0.0500	956.55	126.41
04/07/2001	21:02:40	0.0583	975.09	126.42
04/07/2001	21:03:10	0.0667	992.78	126.43
04/07/2001	21:03:40	0.0750	1,005.00	126.43
04/07/2001	21:04:10	0.0833	1,013.19	126.43
04/07/2001	21:04:40	0.0917	1,021.72	126.43
04/07/2001	21:05:10	0.1000	1,031.05	126.44
04/07/2001	21:05:40	0.1083	1,035.66	126.44
04/07/2001	21:06:10	0.1167	1,036.46	126.43
04/07/2001	21:06:40	0.1250	1,037.19	126.43
04/07/2001	21:07:10	0.1333	1,038.12	126.43
04/07/2001	21:07:40	0.1417	1,038.41	126.42
04/07/2001	21:08:10	0.1500	1,037.58	126.42
04/07/2001	21:08:40	0.1583	1,036.27	126.41
04/07/2001	21:09:10	0.1667	1,032.97	126.41
04/07/2001	21:09:40	0.1750	1,023.18	126.40
04/07/2001	21:10:10	0.1833	1,009.61	126.38
04/07/2001	21:10:40	0.1917	993.97	126.37
04/07/2001	21:11:10	0.2000	976.53	126.36
04/07/2001	21:11:40	0.2083	955.67	126.35
04/07/2001	21:12:10	0.2167	933.49	126.35
04/07/2001	21:12:40	0.2250	918.86	126.35
04/07/2001	21:13:10	0.2333	905.69	126.36
04/07/2001	21:13:40	0.2417	894.63	126.38
04/07/2001	21:14:10	0.2500	885.69	126.38
04/07/2001	21:14:40	0.2583	878.08	126.39
04/07/2001	21:15:10	0.2667	871.57	126.40
04/07/2001	21:15:40	0.2750	865.88	126.41
04/07/2001	21:16:10	0.2833	860.48	126.42
04/07/2001	21:16:40	0.2917	856.34	126.43
04/07/2001	21:17:10	0.3000	852.98	126.43
04/07/2001	21:17:40	0.3083	850.55	126.44
04/07/2001	21:18:10	0.3167	848.72	126.45
04/07/2001	21:18:40	0.3250	847.10	126.45
04/07/2001	21:19:10	0.3333	846.05	126.45
04/07/2001	21:19:40	0.3417	845.86	126.46
04/07/2001	21:20:10	0.3500	845.87	126.46
04/07/2001	21:20:40	0.3583	850.73	126.47
04/07/2001	21:21:10	0.3667	857.46	126.48
04/07/2001	21:21:40	0.3750	865.66	126.48
04/07/2001	21:22:10	0.3833	876.99	126.49
04/07/2001	21:22:40	0.3917	892.46	126.50
04/07/2001	21:23:10	0.4000	908.10	126.51
04/07/2001	21:23:40	0.4083	920.66	126.51
04/07/2001	21:24:10	0.4167	929.93	126.50
04/07/2001	21:24:40	0.4250	937.45	126.50
04/07/2001	21:25:10	0.4333	945.08	126.50
04/07/2001	21:25:40	0.4417	946.83	126.49
04/07/2001	21:26:10	0.4500	946.59	126.48
04/07/2001	21:26:40	0.4583	946.03	126.47
04/07/2001	21:27:10	0.4667	945.46	126.46
04/07/2001	21:27:40	0.4750	944.14	126.46
04/07/2001	21:28:10	0.4833	941.48	126.45

04/07/2001	21:28:40	0.4917	937.59	126.44
04/07/2001	21:29:10	0.5000	932.69	126.44
04/07/2001	21:29:40	0.5083	926.42	126.44
04/07/2001	21:30:10	0.5167	917.67	126.44
04/07/2001	21:30:40	0.5250	906.23	126.43
04/07/2001	21:31:10	0.5333	892.46	126.43
04/07/2001	21:31:40	0.5417	876.79	126.42
04/07/2001	21:32:10	0.5500	860.78	126.42
04/07/2001	21:32:40	0.5583	846.72	126.41
04/07/2001	21:33:10	0.5667	833.88	126.41
04/07/2001	21:33:40	0.5750	821.60	126.41
04/07/2001	21:34:10	0.5833	809.83	126.42
04/07/2001	21:34:40	0.5917	798.34	126.42
04/07/2001	21:35:10	0.6000	788.07	126.42
04/07/2001	21:35:40	0.6083	778.52	126.42
04/07/2001	21:36:10	0.6167	769.50	126.43
04/07/2001	21:36:40	0.6250	761.82	126.43
04/07/2001	21:37:10	0.6333	755.17	126.43
04/07/2001	21:37:40	0.6417	749.71	126.43
04/07/2001	21:38:10	0.6500	745.51	126.44
04/07/2001	21:38:40	0.6583	742.63	126.44
04/07/2001	21:39:10	0.6667	740.78	126.45
04/07/2001	21:39:40	0.6750	739.78	126.45
04/07/2001	21:40:10	0.6833	739.46	126.46
04/07/2001	21:40:40	0.6917	744.51	126.46
04/07/2001	21:41:10	0.7000	757.86	126.47
04/07/2001	21:41:40	0.7083	778.26	126.49
04/07/2001	21:42:10	0.7167	799.49	126.51
04/07/2001	21:42:40	0.7250	816.10	126.51
04/07/2001	21:43:10	0.7333	834.67	126.52
04/07/2001	21:43:40	0.7417	853.58	126.51
04/07/2001	21:44:10	0.7500	870.56	126.52
04/07/2001	21:44:40	0.7583	884.11	126.51
04/07/2001	21:45:10	0.7667	894.47	126.51
04/07/2001	21:45:40	0.7750	899.35	126.50
04/07/2001	21:46:10	0.7833	901.50	126.49
04/07/2001	21:46:40	0.7917	902.13	126.48
04/07/2001	21:47:10	0.8000	901.56	126.47
04/07/2001	21:47:40	0.8083	900.43	126.46
04/07/2001	21:48:10	0.8167	895.99	126.45
04/07/2001	21:48:40	0.8250	888.36	126.44
04/07/2001	21:49:10	0.8333	876.55	126.43
04/07/2001	21:49:40	0.8417	861.56	126.42
04/07/2001	21:50:10	0.8500	846.46	126.41
04/07/2001	21:50:40	0.8583	834.24	126.41
04/07/2001	21:51:10	0.8667	822.85	126.41
04/07/2001	21:51:40	0.8750	810.38	126.41
04/07/2001	21:52:10	0.8833	796.60	126.41
04/07/2001	21:52:40	0.8917	782.27	126.41
04/07/2001	21:53:10	0.9000	768.64	126.41
04/07/2001	21:53:40	0.9083	756.27	126.41
04/07/2001	21:54:10	0.9167	746.12	126.41
04/07/2001	21:54:40	0.9250	737.54	126.41
04/07/2001	21:55:10	0.9333	730.37	126.41
04/07/2001	21:55:40	0.9417	724.30	126.42
04/07/2001	21:56:10	0.9500	719.42	126.42
04/07/2001	21:56:40	0.9583	715.83	126.42
04/07/2001	21:57:10	0.9667	713.58	126.42
04/07/2001	21:57:40	0.9750	712.18	126.43
04/07/2001	21:58:10	0.9833	711.85	126.43
04/07/2001	21:58:40	0.9917	712.55	126.43
04/07/2001	21:59:10	1.0000	713.91	126.43

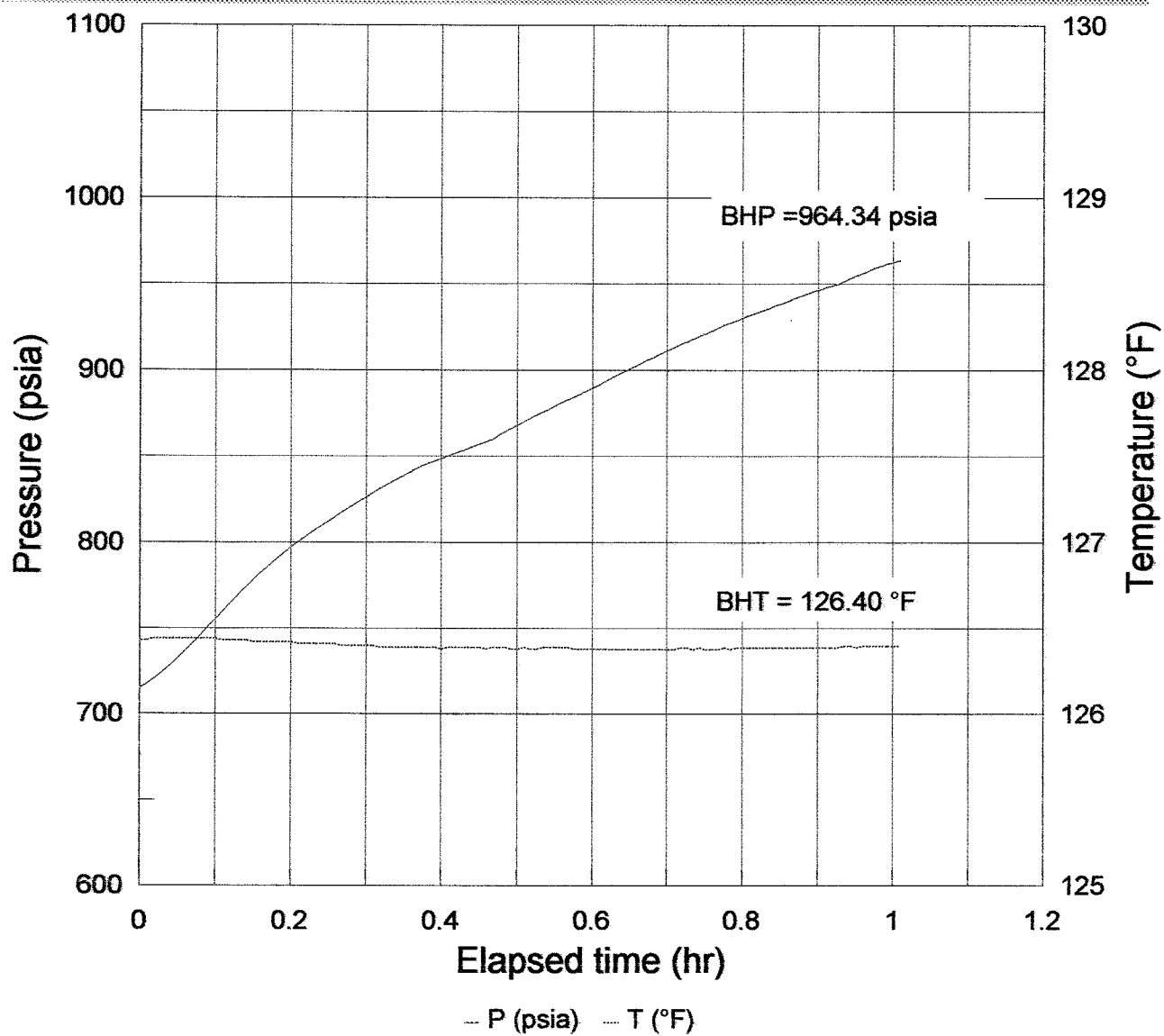


Gauges at 7973' MD for 1 hr at flowing condition before shut in well

Date	Time	Elapsed Time (hr)	Pressure (psia)	Temperature (°F)
04/07/2001	21:59:40	0.0000	715.77	126.43
04/07/2001	22:00:10	0.0083	717.82	126.43
04/07/2001	22:00:40	0.0167	720.55	126.44
04/07/2001	22:01:10	0.0250	723.38	126.44
04/07/2001	22:01:40	0.0333	726.40	126.44
04/07/2001	22:02:10	0.0417	729.71	126.44
04/07/2001	22:02:40	0.0500	733.28	126.44
04/07/2001	22:03:10	0.0583	736.79	126.44
04/07/2001	22:03:40	0.0667	740.31	126.44
04/07/2001	22:04:10	0.0750	744.12	126.44
04/07/2001	22:04:40	0.0833	747.98	126.44
04/07/2001	22:05:10	0.0917	751.88	126.44
04/07/2001	22:05:40	0.1000	755.74	126.44
04/07/2001	22:06:10	0.1083	759.61	126.43
04/07/2001	22:06:40	0.1167	763.57	126.43
04/07/2001	22:07:10	0.1250	767.17	126.43
04/07/2001	22:07:40	0.1333	771.02	126.43
04/07/2001	22:08:10	0.1417	774.57	126.43
04/07/2001	22:08:40	0.1500	778.15	126.42
04/07/2001	22:09:10	0.1583	781.67	126.42
04/07/2001	22:09:40	0.1667	784.83	126.42
04/07/2001	22:10:10	0.1750	788.07	126.42
04/07/2001	22:10:40	0.1833	791.19	126.42
04/07/2001	22:11:10	0.1917	794.11	126.42
04/07/2001	22:11:40	0.2000	797.13	126.42
04/07/2001	22:12:10	0.2083	799.74	126.41
04/07/2001	22:12:40	0.2167	802.37	126.41
04/07/2001	22:13:10	0.2250	804.91	126.41
04/07/2001	22:13:40	0.2333	807.45	126.41
04/07/2001	22:14:10	0.2417	809.95	126.41
04/07/2001	22:14:40	0.2500	812.29	126.41
04/07/2001	22:15:10	0.2583	814.68	126.41
04/07/2001	22:15:40	0.2667	817.13	126.40
04/07/2001	22:16:10	0.2750	819.53	126.40
04/07/2001	22:16:40	0.2833	821.96	126.40
04/07/2001	22:17:10	0.2917	824.24	126.40
04/07/2001	22:17:40	0.3000	826.46	126.40
04/07/2001	22:18:10	0.3083	828.64	126.40
04/07/2001	22:18:40	0.3167	830.92	126.39
04/07/2001	22:19:10	0.3250	833.07	126.39
04/07/2001	22:19:40	0.3333	835.14	126.39
04/07/2001	22:20:10	0.3417	837.02	126.39
04/07/2001	22:20:40	0.3500	838.97	126.39
04/07/2001	22:21:10	0.3583	840.93	126.39
04/07/2001	22:21:40	0.3667	842.92	126.39
04/07/2001	22:22:10	0.3750	844.65	126.39
04/07/2001	22:22:40	0.3833	845.95	126.39
04/07/2001	22:23:10	0.3917	847.48	126.39
04/07/2001	22:23:40	0.4000	848.93	126.38
04/07/2001	22:24:10	0.4083	850.34	126.39
04/07/2001	22:24:40	0.4167	851.63	126.39
04/07/2001	22:25:10	0.4250	853.07	126.39
04/07/2001	22:25:40	0.4333	854.42	126.39
04/07/2001	22:26:10	0.4417	855.69	126.39
04/07/2001	22:26:40	0.4500	857.07	126.39
04/07/2001	22:27:10	0.4583	858.44	126.38
04/07/2001	22:27:40	0.4667	859.91	126.39
04/07/2001	22:28:10	0.4750	862.33	126.39
04/07/2001	22:28:40	0.4833	864.45	126.39

04/07/2001	22:29:10	0.4917	866.46	126.38
04/07/2001	22:29:40	0.5000	868.30	126.38
04/07/2001	22:30:10	0.5083	870.37	126.39
04/07/2001	22:30:40	0.5167	872.16	126.38
04/07/2001	22:31:10	0.5250	874.06	126.38
04/07/2001	22:31:40	0.5333	875.85	126.39
04/07/2001	22:32:10	0.5417	877.69	126.39
04/07/2001	22:32:40	0.5500	879.38	126.39
04/07/2001	22:33:10	0.5583	881.07	126.39
04/07/2001	22:33:40	0.5667	882.82	126.39
04/07/2001	22:34:10	0.5750	884.57	126.38
04/07/2001	22:34:40	0.5833	886.24	126.38
04/07/2001	22:35:10	0.5917	888.09	126.38
04/07/2001	22:35:40	0.6000	889.88	126.38
04/07/2001	22:36:10	0.6083	891.66	126.38
04/07/2001	22:36:40	0.6167	893.60	126.38
04/07/2001	22:37:10	0.6250	895.50	126.38
04/07/2001	22:37:40	0.6333	897.47	126.38
04/07/2001	22:38:10	0.6417	899.17	126.38
04/07/2001	22:38:40	0.6500	900.94	126.38
04/07/2001	22:39:10	0.6583	902.85	126.38
04/07/2001	22:39:40	0.6667	904.57	126.38
04/07/2001	22:40:10	0.6750	906.18	126.38
04/07/2001	22:40:40	0.6833	907.96	126.38
04/07/2001	22:41:10	0.6917	909.83	126.38
04/07/2001	22:41:40	0.7000	911.68	126.38
04/07/2001	22:42:10	0.7083	913.49	126.38
04/07/2001	22:42:40	0.7167	915.14	126.39
04/07/2001	22:43:10	0.7250	916.74	126.39
04/07/2001	22:43:40	0.7333	918.41	126.38
04/07/2001	22:44:10	0.7417	919.85	126.39
04/07/2001	22:44:40	0.7500	921.36	126.38
04/07/2001	22:45:10	0.7583	923.08	126.38
04/07/2001	22:45:40	0.7667	924.64	126.38
04/07/2001	22:46:10	0.7750	926.32	126.39
04/07/2001	22:46:40	0.7833	927.77	126.38
04/07/2001	22:47:10	0.7917	929.16	126.39
04/07/2001	22:47:40	0.8000	930.68	126.39
04/07/2001	22:48:10	0.8083	931.94	126.39
04/07/2001	22:48:40	0.8167	933.41	126.39
04/07/2001	22:49:10	0.8250	934.72	126.39
04/07/2001	22:49:40	0.8333	936.09	126.39
04/07/2001	22:50:10	0.8417	937.60	126.39
04/07/2001	22:50:40	0.8500	938.91	126.39
04/07/2001	22:51:10	0.8583	940.13	126.39
04/07/2001	22:51:40	0.8667	941.63	126.39
04/07/2001	22:52:10	0.8750	943.15	126.39
04/07/2001	22:52:40	0.8833	944.50	126.39
04/07/2001	22:53:10	0.8917	945.74	126.39
04/07/2001	22:53:40	0.9000	946.79	126.39
04/07/2001	22:54:10	0.9083	948.16	126.39
04/07/2001	22:54:40	0.9167	949.10	126.39
04/07/2001	22:55:10	0.9250	950.15	126.39
04/07/2001	22:55:40	0.9333	951.84	126.40
04/07/2001	22:56:10	0.9417	953.78	126.40
04/07/2001	22:56:40	0.9500	955.16	126.39
04/07/2001	22:57:10	0.9583	956.55	126.40
04/07/2001	22:57:40	0.9667	958.39	126.40
04/07/2001	22:58:10	0.9750	959.99	126.40
04/07/2001	22:58:40	0.9833	960.88	126.40
04/07/2001	22:59:10	0.9917	962.07	126.40
04/07/2001	22:59:40	1.0000	963.24	126.40
04/07/2001	23:00:10	1.0083	964.34	126.40

Gauges at 7973' MD for 1 hr at flowing condition before shut in



Gauges at 7973' MD for 12 hrs at static condition**CENTRAL FILE
GEOSCIENCES**

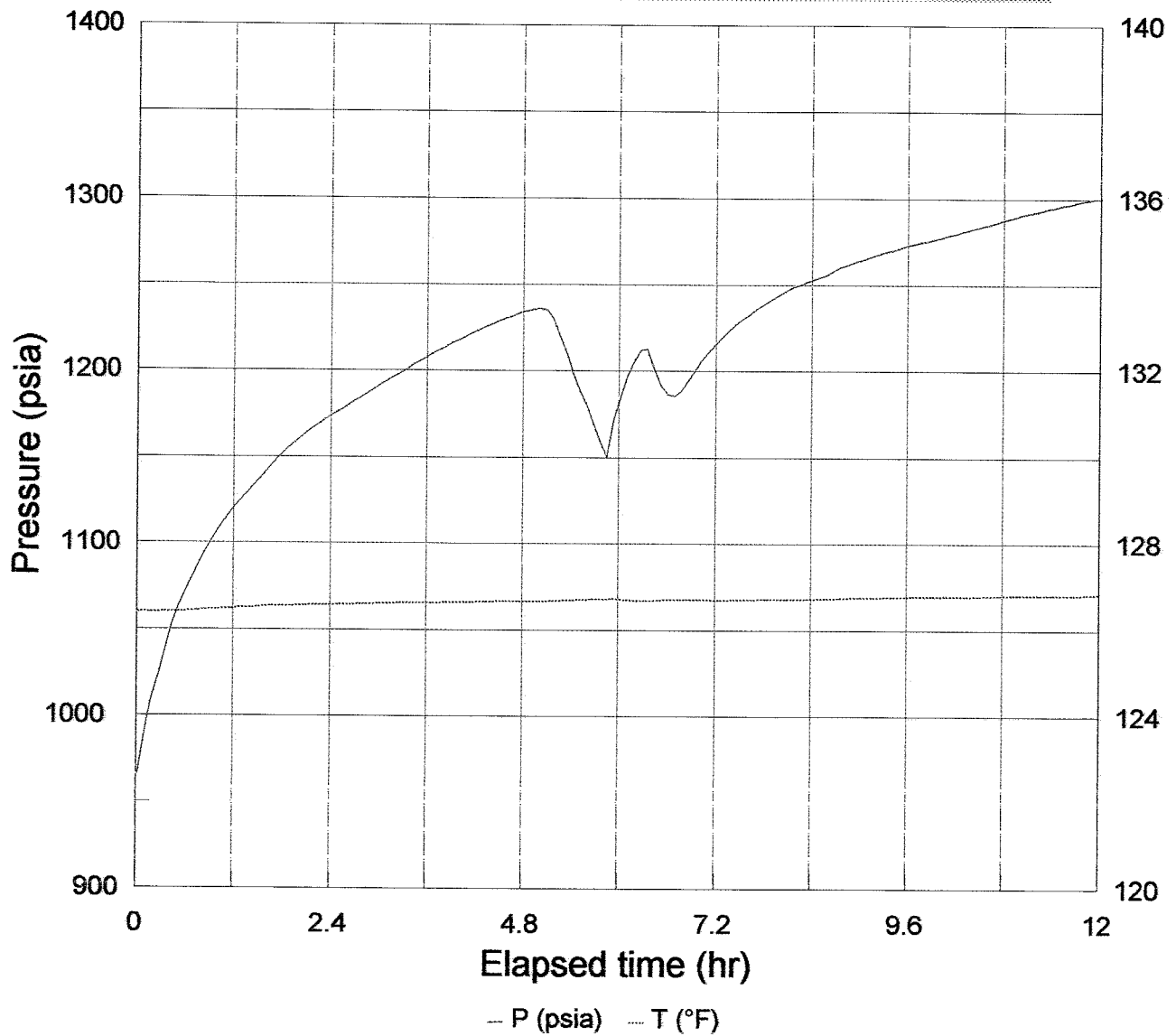
Date	Time	Elapsed Time (hr)	Pressure (psia)	Temperature (°F)
04/07/2001	23:00:40	0.0000	965.57	126.40
04/07/2001	23:05:40	0.0833	989.54	126.41
04/07/2001	23:10:40	0.1667	1,008.87	126.40
04/07/2001	23:15:40	0.2500	1,022.59	126.40
04/07/2001	23:20:40	0.3333	1,037.19	126.41
04/07/2001	23:25:40	0.4167	1,052.20	126.41
04/07/2001	23:30:40	0.5000	1,062.88	126.41
04/07/2001	23:35:40	0.5833	1,071.02	126.42
04/07/2001	23:40:40	0.6667	1,079.68	126.43
04/07/2001	23:45:40	0.7500	1,087.72	126.44
04/07/2001	23:50:40	0.8333	1,095.42	126.45
04/07/2001	23:55:40	0.9167	1,102.04	126.46
05/07/2001	00:00:40	1.0000	1,108.14	126.47
05/07/2001	00:05:40	1.0833	1,113.93	126.48
05/07/2001	00:10:40	1.1667	1,119.17	126.48
05/07/2001	00:15:40	1.2500	1,123.94	126.50
05/07/2001	00:20:40	1.3333	1,128.32	126.50
05/07/2001	00:25:40	1.4167	1,132.49	126.51
05/07/2001	00:30:40	1.5000	1,136.67	126.52
05/07/2001	00:35:40	1.5833	1,141.16	126.53
05/07/2001	00:40:40	1.6667	1,145.58	126.54
05/07/2001	00:45:40	1.7500	1,149.91	126.54
05/07/2001	00:50:40	1.8333	1,153.94	126.55
05/07/2001	00:55:40	1.9167	1,157.45	126.55
05/07/2001	01:00:40	2.0000	1,160.62	126.56
05/07/2001	01:05:40	2.0833	1,163.64	126.56
05/07/2001	01:10:40	2.1667	1,166.67	126.57
05/07/2001	01:15:40	2.2500	1,169.52	126.57
05/07/2001	01:20:40	2.3333	1,172.10	126.58
05/07/2001	01:25:40	2.4167	1,174.65	126.58
05/07/2001	01:30:40	2.5000	1,176.99	126.59
05/07/2001	01:35:40	2.5833	1,179.33	126.59
05/07/2001	01:40:40	2.6667	1,181.90	126.59
05/07/2001	01:45:40	2.7500	1,184.19	126.60
05/07/2001	01:50:40	2.8333	1,186.49	126.60
05/07/2001	01:55:40	2.9167	1,189.03	126.60
05/07/2001	02:00:40	3.0000	1,191.72	126.61
05/07/2001	02:05:40	3.0833	1,194.27	126.61
05/07/2001	02:10:40	3.1667	1,196.34	126.61
05/07/2001	02:15:40	3.2500	1,198.57	126.62
05/07/2001	02:20:40	3.3333	1,200.86	126.62
05/07/2001	02:25:40	3.4167	1,203.30	126.62
05/07/2001	02:30:40	3.5000	1,205.63	126.62
05/07/2001	02:35:40	3.5833	1,207.93	126.63
05/07/2001	02:40:40	3.6667	1,210.13	126.63
05/07/2001	02:45:40	3.7500	1,212.33	126.63
05/07/2001	02:50:40	3.8333	1,214.42	126.64
05/07/2001	02:55:40	3.9167	1,216.55	126.64
05/07/2001	03:00:40	4.0000	1,218.42	126.64
05/07/2001	03:05:40	4.0833	1,220.27	126.64
05/07/2001	03:10:40	4.1667	1,222.21	126.64
05/07/2001	03:15:40	4.2500	1,224.02	126.65
05/07/2001	03:20:40	4.3333	1,225.82	126.65
05/07/2001	03:25:40	4.4167	1,227.47	126.65
05/07/2001	03:30:40	4.5000	1,229.09	126.66
05/07/2001	03:35:40	4.5833	1,230.62	126.66

05/07/2001	03:40:40	4.6667	1,232.01	126.66
05/07/2001	03:45:40	4.7500	1,233.64	126.66
05/07/2001	03:50:40	4.8333	1,234.75	126.66
05/07/2001	03:55:40	4.9167	1,235.59	126.67
05/07/2001	04:00:40	5.0000	1,236.17	126.67
05/07/2001	04:05:40	5.0833	1,235.33	126.67
05/07/2001	04:10:40	5.1667	1,230.10	126.68
05/07/2001	04:15:40	5.2500	1,219.39	126.68
05/07/2001	04:20:40	5.3333	1,209.21	126.69
05/07/2001	04:25:40	5.4167	1,197.56	126.70
05/07/2001	04:30:40	5.5000	1,188.32	126.71
05/07/2001	04:35:40	5.5833	1,180.17	126.71
05/07/2001	04:40:40	5.6667	1,170.11	126.72
05/07/2001	04:45:40	5.7500	1,159.48	126.72
05/07/2001	04:50:40	5.8333	1,150.25	126.72
05/07/2001	04:55:40	5.9167	1,170.98	126.73
05/07/2001	05:00:40	6.0000	1,185.11	126.72
05/07/2001	05:05:40	6.0833	1,196.43	126.71
05/07/2001	05:10:40	6.1667	1,205.49	126.70
05/07/2001	05:15:40	6.2500	1,212.21	126.69
05/07/2001	05:20:40	6.3333	1,212.95	126.69
05/07/2001	05:25:40	6.4167	1,201.37	126.69
05/07/2001	05:30:40	6.5000	1,191.78	126.71
05/07/2001	05:35:40	6.5833	1,186.69	126.72
05/07/2001	05:40:40	6.6667	1,185.83	126.72
05/07/2001	05:45:40	6.7500	1,188.64	126.72
05/07/2001	05:50:40	6.8333	1,193.98	126.72
05/07/2001	05:55:40	6.9167	1,199.97	126.72
05/07/2001	06:00:40	7.0000	1,205.75	126.72
05/07/2001	06:05:40	7.0833	1,210.78	126.72
05/07/2001	06:10:40	7.1667	1,215.21	126.71
05/07/2001	06:15:40	7.2500	1,219.23	126.71
05/07/2001	06:20:40	7.3333	1,223.23	126.71
05/07/2001	06:25:40	7.4167	1,226.62	126.72
05/07/2001	06:30:40	7.5000	1,229.79	126.72
05/07/2001	06:35:40	7.5833	1,232.83	126.72
05/07/2001	06:40:40	7.6667	1,235.65	126.72
05/07/2001	06:45:40	7.7500	1,238.35	126.73
05/07/2001	06:50:40	7.8333	1,240.67	126.73
05/07/2001	06:55:40	7.9167	1,243.02	126.73
05/07/2001	07:00:40	8.0000	1,245.40	126.73
05/07/2001	07:05:40	8.0833	1,247.52	126.74
05/07/2001	07:10:40	8.1667	1,249.27	126.74
05/07/2001	07:15:40	8.2500	1,250.79	126.74
05/07/2001	07:20:40	8.3333	1,252.35	126.74
05/07/2001	07:25:40	8.4167	1,253.78	126.74
05/07/2001	07:30:40	8.5000	1,255.14	126.75
05/07/2001	07:35:40	8.5833	1,256.49	126.75
05/07/2001	07:40:40	8.6667	1,259.12	126.75
05/07/2001	07:45:40	8.7500	1,260.85	126.76
05/07/2001	07:50:40	8.8333	1,262.28	126.76
05/07/2001	07:55:40	8.9167	1,263.58	126.77
05/07/2001	08:00:40	9.0000	1,264.86	126.77
05/07/2001	08:05:40	9.0833	1,266.18	126.78
05/07/2001	08:10:40	9.1667	1,267.51	126.78
05/07/2001	08:15:40	9.2500	1,268.70	126.78
05/07/2001	08:20:40	9.3333	1,269.88	126.79
05/07/2001	08:25:40	9.4167	1,270.97	126.79
05/07/2001	08:30:40	9.5000	1,272.20	126.79

05/07/2001	08:35:40	9.5833	1,273.34	126.79
05/07/2001	08:40:40	9.6667	1,274.28	126.80
05/07/2001	08:45:40	9.7500	1,275.10	126.80
05/07/2001	08:50:40	9.8333	1,275.93	126.80
05/07/2001	08:55:40	9.9167	1,276.83	126.80
05/07/2001	09:00:40	10.0000	1,277.84	126.80
05/07/2001	09:05:40	10.0833	1,279.04	126.80
05/07/2001	09:10:40	10.1667	1,280.06	126.80
05/07/2001	09:15:40	10.2500	1,281.16	126.80
05/07/2001	09:20:40	10.3333	1,282.15	126.80
05/07/2001	09:25:40	10.4167	1,283.11	126.80
05/07/2001	09:30:40	10.5000	1,284.11	126.80
05/07/2001	09:35:40	10.5833	1,285.15	126.81
05/07/2001	09:40:40	10.6667	1,286.07	126.81
05/07/2001	09:45:40	10.7500	1,287.45	126.81
05/07/2001	09:50:40	10.8333	1,288.62	126.81
05/07/2001	09:55:40	10.9167	1,289.61	126.82
05/07/2001	10:00:40	11.0000	1,290.72	126.82
05/07/2001	10:05:40	11.0833	1,291.78	126.82
05/07/2001	10:10:40	11.1667	1,292.73	126.82
05/07/2001	10:15:40	11.2500	1,293.62	126.82
05/07/2001	10:20:40	11.3333	1,294.49	126.82
05/07/2001	10:25:40	11.4167	1,295.38	126.83
05/07/2001	10:30:40	11.5000	1,296.25	126.83
05/07/2001	10:35:40	11.5833	1,297.10	126.83
05/07/2001	10:40:40	11.6667	1,297.98	126.83
05/07/2001	10:45:40	11.7500	1,298.74	126.83
05/07/2001	10:50:40	11.8333	1,299.53	126.84
05/07/2001	10:55:40	11.9167	1,300.15	126.84
05/07/2001	11:00:40	12.0000	1,300.34	126.85

**CENTRAL FILE
GEOSCIENCES**

Gauges at 7973' MD for 12 hrs at static condition



Fluid Level at static condition

Measured depth (ft)	Vertical depth (ft)	Pressure (psia)	Gradient (psi/ft)
0	0.00	669.79	-
1000	999.88	681.85	0.0121
2000	1989.32	700.95	0.0193
3000	2878.19	714.19	0.0149
3500	3325.91	719.30	0.0114
4000	3777.86	724.33	0.0111
4500	4238.95	730.68	0.0138
5000	4713.80	737.46	0.0143
5500	5189.02	744.41	0.0146
6000	5638.72	792.56	0.1071
6200	5817.20	841.38	0.2735
6400	5996.27	891.12	0.2778
6600	6175.81	940.86	0.2770
6800	6355.04	990.74	0.2783
7000	6534.30	1040.72	0.2788
7200	6712.73	1091.24	0.2831
7400	6891.41	1141.96	0.2839
7600	7070.43	1193.57	0.2883
7800	7246.85	1247.33	0.3047
7973	7396.00	1300.56	0.3569

**CENTRAL FILE
GEOSCIENCES**

Fluid Level at flowing condition

Measured depth (ft)	Vertical depth (ft)	Pressure (psia)	Gradient (psi/ft)
0	0.00	14.65	
1500	1499.82	24.19	0.0064
3000	2878.19	73.52	0.0358
4000	3777.86	167.17	0.1041
5000	4713.80	307.74	0.1502
6000	5638.72	469.84	0.1753
7000	6534.30	653.62	0.2052
7500	6980.81	740.25	0.1940
7973	7396.00	872.31	0.3181

Levels & Gradients

	Static levels		
	Measured (ft)	Vertical (ft)	Gradient (psi/ft)
Gas =	0	0	0.0144
Oil =	5829	5487	0.2891
Gauges =	7973	7396	0.1758

	Flowing levels		
	Measured (ft)	Vertical (ft)	Gradient (psi/ft)
Gas =	0	0	0.0205
Oil =	3475	3303	0.1789
Water =	7710	7169	0.4330
Gauges =	7973	7396	0.1179

