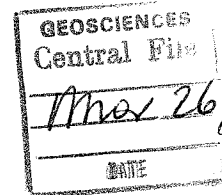


J. Miego
JCS

REGISTRO DE RESTAURACION DE PRESION Y GRADIENTE ESTATICA



**PETRO-TECH PERUANA S.A.
LOBITOS MAR LO6-14
TALARA - PERU**

03 DE FEBRERO 1998

**REPORTE PREPARADO
POR
RICARDO AGUIRRE PARDO**

POZO : Z-2B-21-005-D-LO6 (LO6-14)		AREA : LOBITOS MAR																						
PRUEBA : REGISTRO DE RESTAURACION DE PRESION x 22 HORAS Y GRADIENTE ESTATICA																								
FORMACION : RIO BRAVO		INTERVALO : 3874' - 3606'																						
LO6-14 INSTALACION DE SUBSUELO TUBING CON PACKER KB: 50' Oil @ 1846' Packer @ 3529' M. Gauge @ 3740' Top @ 4050' Bridge Plug @ 4150' Tapón @ 6930' Tapón @ 7480' Squeeze FC FS T.D. : 7628' 3606' Fm. Río Bravo 3874' 6807' Upper Bs. Salina 6841' 7430' Lower Bs. Salina 7523' 7600' 7625'		FECHA	DATOS DEL POZO																					
		02/02/98	Instalación Actual : Tubing con packer. Producción : Producción de Gas : S.I. Acumulado : 13922 Bls.(Dic. 97). Estado del pozo: Profundidad del tapón: 4150'. Intervalo : 3874' - 3606'.																					
		DESARROLLO DE LA PRUEBA																						
		02/02/98 13:40:00	Llegada del personal a LO6. Armando equipo Wireline en pozo 14.																					
		15:45:00 16:50:00 16:58:12 17:07:50	Se baja peso muerto. Chequea tapón a 4050'. Se chequean baterías - Memory Gauge. Se conectaron baterías. Presurizó Lubricador.																					
		17:10:10 17:23:18	Se bajan Registradores Memory Gauge. Registradores @ 3740'. Registrando presión estática x 22 horas. Pozo cerrado. Presión en cabeza : 90 psi.																					
		03/02/98 15:04:00	Fin del Build Up. Presión en cabeza : 390 psi. Subiendo Registradores a Superficie. Paradas a: <table><tr><td>3640</td><td>3150</td><td>2800</td></tr><tr><td>3540</td><td>3100</td><td>2600</td></tr><tr><td>3440</td><td>3050</td><td>2400</td></tr><tr><td>3340</td><td>3000</td><td>2100</td></tr><tr><td>3300</td><td>2950</td><td>1500</td></tr><tr><td>3250</td><td>2900</td><td>1000</td></tr><tr><td>3200</td><td>2850</td><td>0</td></tr></table> Presión final en cabeza: 400 psi.	3640	3150	2800	3540	3100	2600	3440	3050	2400	3340	3000	2100	3300	2950	1500	3250	2900	1000	3200	2850	0
		3640	3150	2800																				
		3540	3100	2600																				
		3440	3050	2400																				
3340	3000	2100																						
3300	2950	1500																						
3250	2900	1000																						
3200	2850	0																						
16:51:10 17:03:00	Se desfogó lubricador. Se desconectó baterías.																							
17:07:00	Pozo queda cerrado.																							
OBSERVACIONES :																								
Los datos fueron obtenidos del registrador de tope #20601.																								
De la Gradiente Estática se determinó crudo.																								
Gradiente del Crudo : 0.320 psi/ft @ 1846 PM (1826 PV).																								
Presión Estática : 1019.0 psi @ 3740 PM (3546 PV).																								
Temperatura : 95.4 °F @ 3740 PM (3546 PV).																								
Gradiente de formación: 0.287 psi/ft @ 3740 PM (3546 PV).																								

COMENTARIOS

En el pozo LO6-14 del área Lobitos Mar se ejecutó una prueba de Restauración de Presión (Build Up) con el fin de determinar la presión del reservorio. Cabe señalar que esta prueba se realizó luego de haberse efectuado trabajos de swab en el pozo, donde se recuperaron 04 barriles netos de crudo. El intervalo baleado fue 3874' - 3606' (Fm. Río Bravo).

Primeramente se bajó un peso muerto para verificar la profundidad del tapón, encontrándose este a 4050 PM. Posteriormente se bajaron los registradores Memory Gauge a 3740 PM (punto medio del intervalo baleado), quedando a esta profundidad por un tiempo aproximado de 22 horas, al cabo de los cuales se alcanzó una presión en el fondo de aproximadamente 1019 psi y una temperatura de 95.4 °F, resultando una gradiente de formación de 0.287 psi/ft.

Del gráfico cartesiano P vs DT se aprecia un incremento sostenido de la presión, lo que nos indica que el valor de la presión estabilizada es mayor. En la última hora de prueba el aumento fue de 10 psi aproximadamente, lo que confirmaría lo antes mencionado. Asimismo, utilizando el método modificado de Muskat se obtiene un valor $P^* = 1125$ psi.

En la prueba de Gradiente Estática se determinó presencia de aceite a la profundidad de 1846 PM (1826 PV), con una gradiente promedia de 0.320 psi/ft.

Presión Estática : 1019.0 psi @ 3740 PM (3546 PV).
Temperatura : 95.4 °F
Presión final en cabeza : 400 psi.

Gradiente de Formación : 0.287 psi/ft @ 3740 PM (3546 PV).

Intervalo baleado : 3874' - 3606' (Fm. Río Bravo).

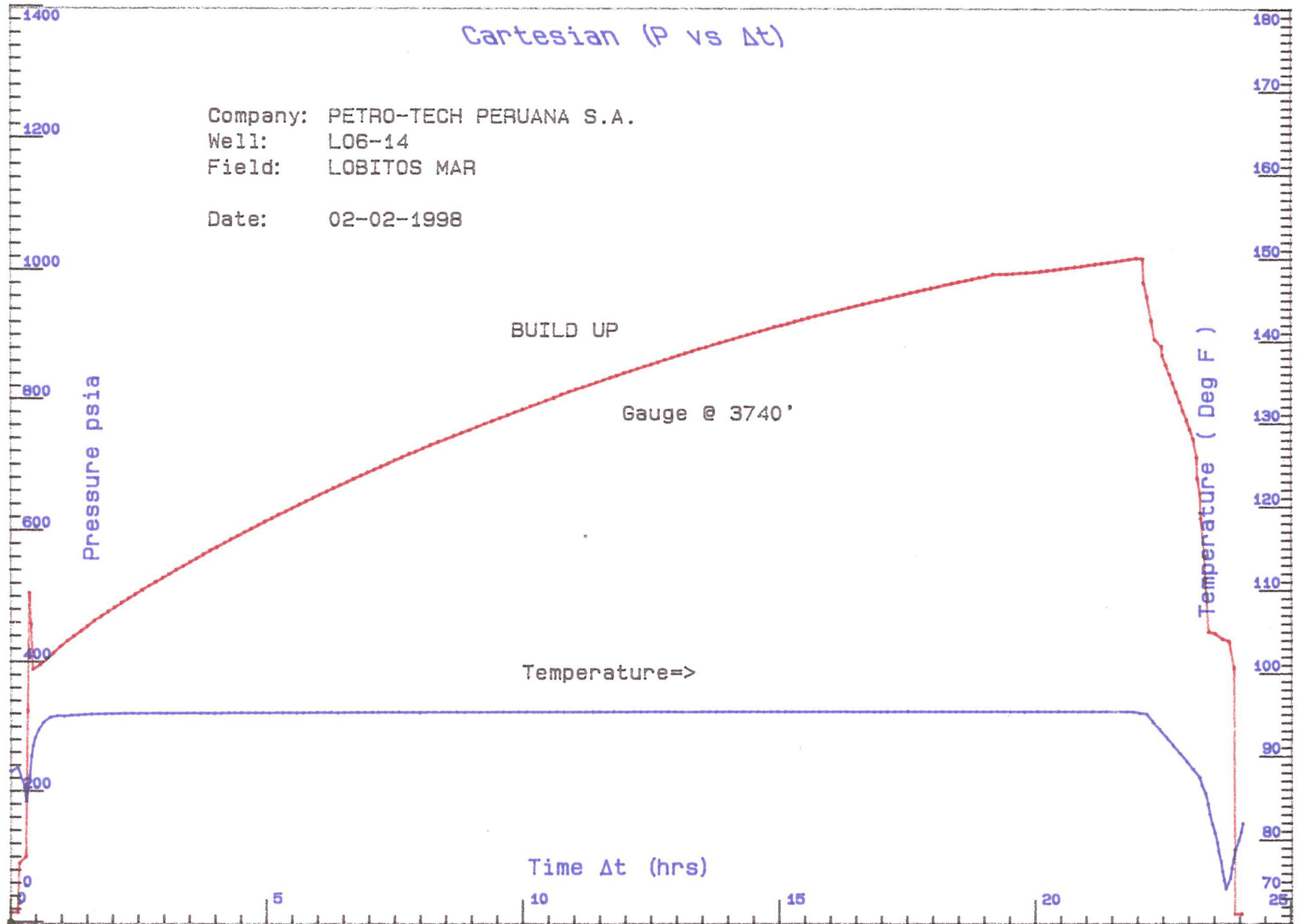
Cartesian (P vs Δt)

Company: PETRO-TECH PERUANA S.A.

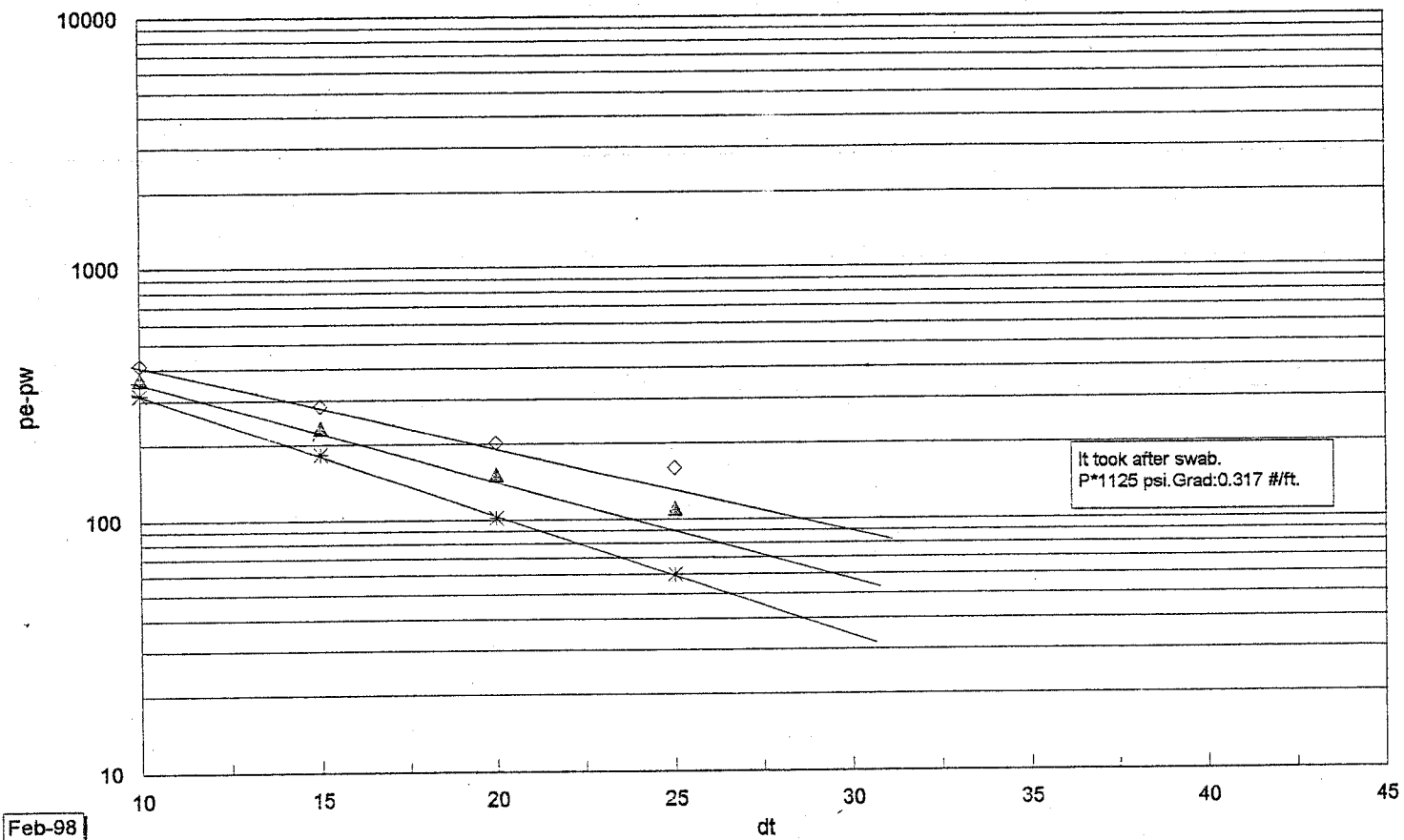
Well: L06-14

Field: LOBITOS MAR

Date: 02-02-1998



Muskat Plot
Well LO6-14 Rio Bravo



- * 1100 psi
- ▲ 1150 psi.
- ◇ 1200 psi.

ALBERTO AGUIRTE S.
Ing. de Reservorios
CQOIG: 3001

SPC

Company: PETRO-TECH PERUANA S.A.
Well: LO6-14
Field: LOBITOS MAR

County: PERU
State: TALARA

Engineer: Ricardo Aguirre
Gauge Type: Memory Gauge
Serial No.: 20601
Gauge Range: 0-6014 psi
Gauge Depth: 3740 ft

Date: 02/02/1998
Well API: 35
Well Type:
Test Type: Static Gradient
Well Status:

[GRADIENT DATA]

#	MD	TVD	PRESSURE	PSI/ft
1	0	0	431.50	
2	500	500	434.00	0.005
3	1000	999	439.00	0.010
4	1400	1396	442.40	0.009
5	1800	1783	445.60	0.008
6	2100	2062	525.50	0.286
7	2400	2338	618.40	0.337
8	2600	2521	679.30	0.333
9	2800	2701	739.80	0.336
10	2850	2747	754.30	0.315
11	2900	2792	768.80	0.322
12	2950	2837	783.00	0.316
13	3000	2882	797.50	0.322
14	3050	2926	812.00	0.330
15	3100	2971	826.50	0.322
16	3150	3016	840.50	0.311
17	3200	3061	854.70	0.316
18	3250	3106	869.20	0.322
19	3300	3151	883.50	0.318
20	3340	3187	894.50	0.306
21	3440	3277	923.50	0.322
22	3540	3367	952.70	0.324
23	3640	3456	981.50	0.324
24	3740	3546	1019.00	0.417

$$h = 92 \text{ ft}$$

$$b_t = 2.56 \times 10^{-5} \text{ psi}^{-1}$$

$$\phi = 0.12$$

$$\mu_o = 1.1$$

$$\beta_o = 1.2$$

$$q_o = 29 \text{ sb}$$

$$t_p = 29 \text{ hr}$$

$$\gamma_o = 0.327$$

Remarks: 24 Data Points.
Memory Gauge @ 3740'.

Water?

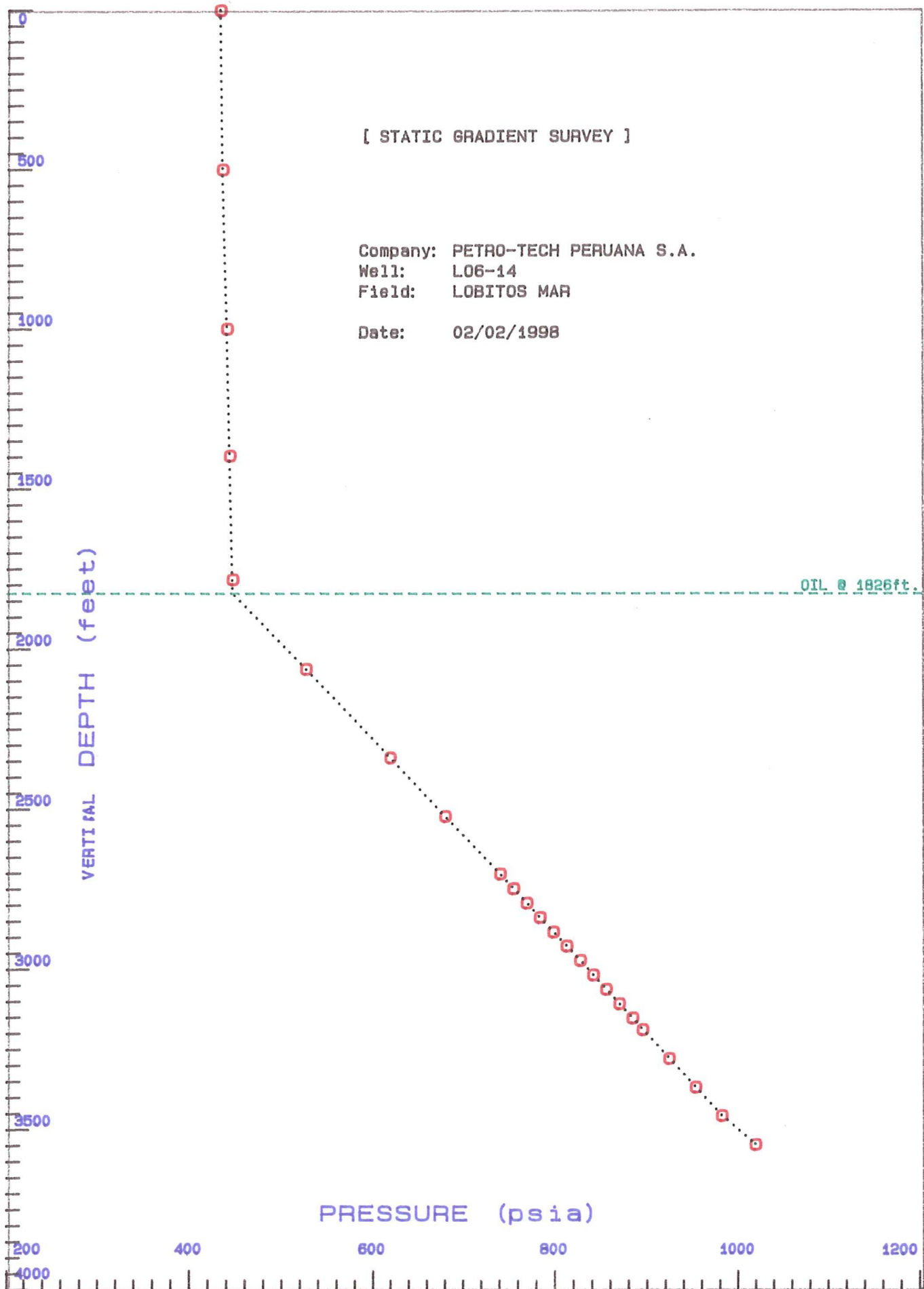
[STATIC GRADIENT SURVEY]

Company: PETRO-TECH PERUANA S.A.

Well: L06-14

Field: LOBITOS MAR

Date: 02/02/1998



Company: PETRO-TECH PERUANA S.A.

Well: L06-14

Field: LOBITOS MAR

[Monday: Feb. 2, 1998]

Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
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Registradores Electronicos Starburst Ultra II.

Tope: Inst # 20601

Conecto Bateria: 16:58:12

1	0	16:58:12	0.0000	14.50	88.10
2	0	17: 0:12	0.0333	14.50	88.02
3	0	17: 2:12	0.0667	14.50	87.98
4	0	17: 4:12	0.1000	14.50	88.35
5	0	17: 6:12	0.1333	14.50	88.62
Presurizo Lubricador.					
6	0	17: 8:12	0.1667	89.47	88.64
Bajando Registrador.					
7	0	17:10:12	0.2000	91.16	88.89
8	0	17:12:12	0.2333	93.59	88.43
9	0	17:14:12	0.2667	96.40	86.15
10	0	17:16:12	0.3000	100.11	84.46
11	0	17:18:12	0.3333	323.46	85.01
12	0	17:20:12	0.3667	504.28	87.50
13	0	17:22:12	0.4000	456.56	89.93

Registrador @ 3740'.

Inicio de Build Up.

14	0	17:24:12	0.4333	387.67	91.26
15	0	17:26:12	0.4667	389.46	92.18
16	0	17:28:12	0.5000	391.07	92.63
17	0	17:30:12	0.5333	392.64	93.18
18	0	17:32:12	0.5667	394.74	93.52
19	0	17:34:12	0.6000	396.90	93.79
20	0	17:36:12	0.6333	399.02	94.14
22	0	17:40:12	0.7000	403.91	94.53
24	0	17:44:12	0.7667	408.60	94.74
26	0	17:48:12	0.8333	413.05	94.83
28	0	17:52:12	0.9000	417.38	94.92
30	0	17:56:12	0.9667	422.98	94.75
32	0	18: 0:12	1.0333	427.23	94.85
34	0	18: 4:12	1.1000	431.53	94.92
36	0	18: 8:12	1.1667	434.56	94.96
38	0	18:12:12	1.2333	438.69	94.99
40	0	18:16:12	1.3000	443.52	95.01
42	0	18:20:12	1.3667	446.67	95.03
44	0	18:24:12	1.4333	450.47	95.06
46	0	18:28:12	1.5000	454.22	95.08
48	0	18:32:12	1.5667	458.87	95.10
50	0	18:36:12	1.6333	462.46	95.11
52	0	18:40:12	1.7000	466.00	95.13
54	0	18:44:12	1.7667	469.19	95.14
56	0	18:48:12	1.8333	472.29	95.15
58	0	18:52:12	1.9000	475.94	95.16
60	0	18:56:12	1.9667	479.20	95.16
62	0	18:59:12	2.0167	481.93	95.17
64	0	19: 1:12	2.0500	483.44	95.18
66	0	19: 3:12	2.0833	485.26	95.18

servicios Petroleros y Conexs

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Monday: Feb. 2, 1998]

Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
68	0	19: 5:12	2.1167	487.24	95.19
70	0	19: 7:12	2.1500	488.37	95.19
72	0	19: 9:12	2.1833	490.22	95.19
74	0	19:11:12	2.2167	491.92	95.20
76	0	19:13:12	2.2500	493.56	95.20
78	0	19:15:12	2.2833	495.20	95.20
80	0	19:17:12	2.3167	496.82	95.21
82	0	19:19:12	2.3500	498.44	95.21
84	0	19:21:12	2.3833	500.06	95.21
86	0	19:23:12	2.4167	501.68	95.21
88	0	19:25:12	2.4500	503.30	95.21
90	0	19:27:12	2.4833	504.89	95.21
92	0	19:29:12	2.5167	506.48	95.21
94	0	19:31:12	2.5500	508.07	95.21
96	0	19:33:12	2.5833	509.67	95.21
98	0	19:35:12	2.6167	511.23	95.21
100	0	19:37:12	2.6500	512.80	95.21
103	0	19:40:12	2.7000	515.14	95.21
106	0	19:43:12	2.7500	517.48	95.22
109	0	19:46:12	2.8000	519.76	95.22
112	0	19:49:12	2.8500	522.07	95.22
115	0	19:52:12	2.9000	524.37	95.22
118	0	19:55:12	2.9500	526.66	95.22
121	0	19:58:12	3.0000	528.92	95.22
124	0	20: 1:12	3.0500	531.18	95.22
127	0	20: 4:12	3.1000	533.44	95.22
130	0	20: 7:12	3.1500	535.68	95.22
133	0	20:10:12	3.2000	537.92	95.22
136	0	20:13:12	3.2500	540.13	95.22
139	0	20:16:12	3.3000	542.36	95.22
142	0	20:19:12	3.3500	544.57	95.22
145	0	20:22:12	3.4000	546.78	95.22
148	0	20:25:12	3.4500	549.00	95.22
151	0	20:28:12	3.5000	551.18	95.22
154	0	20:31:12	3.5500	553.39	95.22
157	0	20:34:12	3.6000	555.60	95.23
160	0	20:37:12	3.6500	557.81	95.23
163	0	20:40:12	3.7000	560.07	95.23
166	0	20:43:12	3.7500	562.29	95.23
169	0	20:46:12	3.8000	564.52	95.23
172	0	20:49:12	3.8500	566.89	95.23
175	0	20:52:12	3.9000	569.51	95.23
178	0	20:55:12	3.9500	571.28	95.23
181	0	20:58:12	4.0000	573.36	95.24
184	0	21: 4:12	4.1000	577.19	95.24
187	0	21:10:12	4.2000	582.26	95.24
190	0	21:16:12	4.3000	585.99	95.24
193	0	21:22:12	4.4000	589.92	95.25
196	0	21:28:12	4.5000	594.01	95.25
199	0	21:34:12	4.6000	598.07	95.25

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Monday: Feb. 2, 1998]

Page 3

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
202	0	21:40:12	4.7000	602.05	95.26
205	0	21:46:12	4.8000	606.04	95.26
208	0	21:52:12	4.9000	610.02	95.26
211	0	21:58:12	5.0000	613.98	95.26
214	0	22: 4:12	5.1000	617.91	95.27
217	0	22:10:12	5.2000	621.82	95.27
220	0	22:16:12	5.3000	625.73	95.27
223	0	22:22:12	5.4000	629.61	95.27
226	0	22:28:12	5.5000	633.49	95.27
229	0	22:34:12	5.6000	637.32	95.27
232	0	22:40:12	5.7000	641.13	95.27
235	0	22:46:12	5.8000	644.90	95.28
238	0	22:52:12	5.9000	648.66	95.28
241	0	22:58:12	6.0000	652.38	95.28
244	0	23: 4:12	6.1000	656.11	95.29
247	0	23:10:12	6.2000	659.81	95.29
250	0	23:16:12	6.3000	663.46	95.29
253	0	23:22:12	6.4000	667.11	95.29
256	0	23:28:12	6.5000	670.76	95.30
259	0	23:34:12	6.6000	674.36	95.30
262	0	23:40:12	6.7000	677.93	95.30
265	0	23:46:12	6.8000	681.48	95.30
268	0	23:52:12	6.9000	685.00	95.30
271	0	23:58:12	7.0000	688.52	95.31
[Tuesday: Feb. 3, 1998]					
274	1	0: 4:12	7.1000	691.99	95.31
277	1	0:10:12	7.2000	695.44	95.31
280	1	0:16:12	7.3000	698.91	95.31
283	1	0:22:12	7.4000	702.36	95.31
286	1	0:28:12	7.5000	705.83	95.31
289	1	0:34:12	7.6000	709.22	95.31
292	1	0:40:12	7.7000	712.71	95.32
295	1	0:46:12	7.8000	716.44	95.32
298	1	0:52:12	7.9000	719.22	95.32
300	1	0:56:12	7.9667	721.25	95.32
304	1	1: 7:12	8.1500	727.28	95.33
308	1	1:19:12	8.3500	734.15	95.33
312	1	1:31:12	8.5500	740.15	95.33
316	1	1:43:12	8.7500	746.40	95.33
320	1	1:55:12	8.9500	752.55	95.33
324	1	2: 7:12	9.1500	758.68	95.33
328	1	2:19:12	9.3500	764.80	95.34
332	1	2:31:12	9.5500	770.87	95.34
336	1	2:43:12	9.7500	776.92	95.34
340	1	2:55:12	9.9500	782.92	95.34
344	1	3: 7:12	10.1500	788.89	95.35
348	1	3:19:12	10.3500	794.86	95.35
352	1	3:31:12	10.5500	800.52	95.35
356	1	3:43:12	10.7500	806.88	95.35
360	1	3:55:12	10.9500	812.54	95.35

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 4

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
364	1	4: 1:12	11.0500	815.47	95.35
368	1	4: 5:12	11.1167	817.61	95.35
372	1	4: 9:12	11.1833	819.18	95.35
376	1	4:13:12	11.2500	821.13	95.35
380	1	4:17:12	11.3167	823.04	95.35
384	1	4:21:12	11.3833	824.94	95.35
388	1	4:25:12	11.4500	826.80	95.35
392	1	4:29:12	11.5167	828.62	95.35
396	1	4:33:12	11.5833	830.48	95.36
400	1	4:37:12	11.6500	832.28	95.36
404	1	4:41:12	11.7167	834.10	95.36
408	1	4:45:12	11.7833	835.93	95.36
412	1	4:49:12	11.8500	837.76	95.36
416	1	4:53:12	11.9167	839.56	95.36
420	1	4:57:12	11.9833	841.36	95.36
424	1	5: 1:12	12.0500	843.14	95.36
428	1	5: 5:12	12.1167	844.89	95.37
432	1	5: 9:12	12.1833	846.64	95.37
436	1	5:13:12	12.2500	848.41	95.37
440	1	5:17:12	12.3167	850.16	95.37
444	1	5:21:12	12.3833	851.94	95.37
448	1	5:25:12	12.4500	853.71	95.37
452	1	5:29:12	12.5167	855.46	95.37
456	1	5:33:12	12.5833	857.24	95.37
460	1	5:37:12	12.6500	858.99	95.37
464	1	5:41:12	12.7167	860.74	95.37
468	1	5:45:12	12.7833	862.46	95.37
472	1	5:49:12	12.8500	864.19	95.37
476	1	5:53:12	12.9167	865.89	95.37
480	1	5:57:12	12.9833	867.56	95.37
484	1	6: 1:12	13.0500	869.23	95.36
488	1	6: 5:12	13.1167	870.91	95.36
492	1	6: 9:12	13.1833	872.55	95.36
496	1	6:13:12	13.2500	874.18	95.36
500	1	6:17:12	13.3167	875.80	95.36
505	1	6:22:12	13.4000	877.83	95.36
510	1	6:27:12	13.4833	879.84	95.37
515	1	6:32:12	13.5667	881.84	95.37
520	1	6:37:12	13.6500	883.80	95.37
525	1	6:42:12	13.7333	885.78	95.37
530	1	6:47:12	13.8167	887.76	95.37
535	1	6:52:12	13.9000	889.72	95.37
540	1	6:57:12	13.9833	891.70	95.37
545	1	7: 2:12	14.0667	893.63	95.37
550	1	7: 7:12	14.1500	895.56	95.37
555	1	7:12:12	14.2333	897.52	95.37
560	1	7:17:12	14.3167	899.42	95.37
565	1	7:22:12	14.4000	901.32	95.38
570	1	7:27:12	14.4833	903.20	95.38
575	1	7:32:12	14.5667	905.11	95.38

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 5

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
580	1	7:37:12	14.6500	907.04	95.38
585	1	7:42:12	14.7333	909.02	95.38
590	1	7:47:12	14.8167	911.08	95.38
595	1	7:52:12	14.9000	913.29	95.38
600	1	7:57:12	14.9833	915.84	95.38
605	1	8: 6:12	15.1333	918.65	95.38
610	1	8:16:12	15.3000	921.68	95.38
615	1	8:26:12	15.4667	925.00	95.38
620	1	8:36:12	15.6333	928.42	95.38
625	1	8:46:12	15.8000	931.82	95.38
630	1	8:56:12	15.9667	935.22	95.38
635	1	9: 6:12	16.1333	938.57	95.38
640	1	9:16:12	16.3000	941.91	95.38
645	1	9:26:12	16.4667	945.21	95.38
650	1	9:36:12	16.6333	948.45	95.38
655	1	9:46:12	16.8000	951.64	95.38
660	1	9:56:12	16.9667	954.80	95.38
665	1	10: 6:12	17.1333	957.94	95.38
670	1	10:16:12	17.3000	961.06	95.38
675	1	10:26:12	17.4667	964.15	95.38
680	1	10:36:12	17.6333	967.23	95.38
685	1	10:46:12	17.8000	970.27	95.38
690	1	10:56:12	17.9667	973.28	95.38
695	1	11: 6:12	18.1333	976.27	95.38
700	1	11:16:12	18.3000	979.20	95.38
705	1	11:26:12	18.4667	982.08	95.38
710	1	11:36:12	18.6333	984.89	95.38
715	1	11:46:12	18.8000	987.75	95.38
720	1	11:56:12	18.9667	990.24	95.38
725	1	12: 6:12	19.1333	993.64	95.38
730	1	12:16:12	19.3000	994.82	95.38
735	1	12:26:12	19.4667	995.13	95.38
740	1	12:36:12	19.6333	996.01	95.38
745	1	12:46:12	19.8000	996.81	95.38
750	1	12:56:12	19.9667	997.68	95.38
756	1	13: 3:12	20.0833	998.69	95.37
762	1	13: 9:12	20.1833	999.67	95.37
768	1	13:15:12	20.2833	1000.62	95.37
774	1	13:21:12	20.3833	1001.57	95.37
780	1	13:27:12	20.4833	1002.55	95.37
786	1	13:33:12	20.5833	1003.53	95.37
792	1	13:39:12	20.6833	1004.58	95.37
798	1	13:45:12	20.7833	1005.69	95.37
804	1	13:51:12	20.8833	1006.79	95.37
810	1	13:57:12	20.9833	1007.88	95.37
816	1	14: 3:12	21.0833	1008.96	95.37
822	1	14: 9:12	21.1833	1010.01	95.37
828	1	14:15:12	21.2833	1011.12	95.38
834	1	14:21:12	21.3833	1012.25	95.38
840	1	14:27:12	21.4833	1013.38	95.38

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 6

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
846	1	14:33:12	21.5833	1014.54	95.38
852	1	14:39:12	21.6833	1015.70	95.38
858	1	14:45:12	21.7833	1016.91	95.38
864	1	14:51:12	21.8833	1017.87	95.34
870	1	14:57:12	21.9833	1019.32	95.28
871	1	14:58:12	22.0000	1019.50	95.25
872	1	14:59:12	22.0167	1019.59	95.21
873	1	15: 0:12	22.0333	1019.80	95.19
874	1	15: 1:12	22.0500	1019.65	95.16
875	1	15: 2:12	22.0667	1017.55	95.12
876	1	15: 3:12	22.0833	1017.94	95.08
877	1	15: 4:12	22.1000	1018.11	95.40
Fin del Build Up.					
Subiendo Registrador a superficie.					
Parada @ 3640'.					
878	1	15: 5:12	22.1167	981.26	95.38
879	1	15: 6:12	22.1333	981.40	95.32
880	1	15: 7:12	22.1500	981.55	95.21
881	1	15: 8:12	22.1667	981.78	95.08
882	1	15: 9:12	22.1833	960.26	94.69
Parada @ 3540'.					
883	1	15:10:12	22.2000	952.66	94.61
884	1	15:11:12	22.2167	952.68	94.53
885	1	15:12:12	22.2333	952.87	94.73
886	1	15:13:12	22.2500	953.02	94.64
Parada @ 3440'.					
887	1	15:14:12	22.2667	923.23	94.54
888	1	15:15:12	22.2833	923.38	94.16
889	1	15:16:12	22.3000	923.51	94.05
890	1	15:17:12	22.3167	923.71	93.94
Parada @ 3340'.					
891	1	15:18:12	22.3333	894.08	93.81
892	1	15:19:12	22.3500	894.44	93.69
893	1	15:20:12	22.3667	894.49	93.57
894	1	15:21:12	22.3833	894.67	93.44
895	1	15:22:12	22.4000	894.82	93.33
Parada @ 3300'.					
896	1	15:23:12	22.4167	883.21	93.21
897	1	15:24:12	22.4333	883.28	93.09
898	1	15:25:12	22.4500	883.72	92.96
899	1	15:26:12	22.4667	883.59	92.84
Parada @ 3250'.					
900	1	15:27:12	22.4833	868.92	92.71
901	1	15:28:12	22.5000	869.17	92.58
902	1	15:29:12	22.5167	869.25	92.46
903	1	15:30:12	22.5333	869.58	92.35
Parada @ 3200'.					
904	1	15:31:12	22.5500	854.65	92.22
905	1	15:32:12	22.5667	854.77	92.11
906	1	15:33:12	22.5833	854.74	91.99

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 7

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
907	1	15:34:12	22.6000	855.10	91.87
		Parada @ 3150'.			
908	1	15:35:12	22.6167	840.37	91.75
909	1	15:36:12	22.6333	840.58	91.64
910	1	15:37:12	22.6500	840.78	91.52
911	1	15:38:12	22.6667	841.08	91.41
		Parada @ 3100'.			
912	1	15:39:12	22.6833	826.15	91.29
913	1	15:40:12	22.7000	826.25	91.17
914	1	15:41:12	22.7167	826.53	91.06
915	1	15:42:12	22.7333	826.86	90.94
		Parada @ 3050'.			
916	1	15:43:12	22.7500	811.59	90.83
917	1	15:44:12	22.7667	811.62	90.72
918	1	15:45:12	22.7833	812.05	90.59
919	1	15:46:12	22.8000	812.38	90.48
		Parada @ 3000'.			
920	1	15:47:12	22.8167	797.24	90.37
921	1	15:48:12	22.8333	797.32	90.24
922	1	15:49:12	22.8500	797.70	90.13
923	1	15:50:12	22.8667	797.80	90.01
		Parada @ 2950'.			
924	1	15:51:12	22.8833	782.92	89.88
925	1	15:52:12	22.9000	783.02	89.75
926	1	15:53:12	22.9167	783.07	89.64
927	1	15:54:12	22.9333	783.32	89.52
		Parada @ 2900'.			
928	1	15:55:12	22.9500	768.60	89.40
929	1	15:56:12	22.9667	768.72	89.28
930	1	15:57:12	22.9833	768.85	89.15
931	1	15:58:12	23.0000	769.00	89.03
		Parada @ 2850'.			
932	1	15:59:12	23.0167	754.20	88.90
933	1	16: 0:12	23.0333	754.20	88.77
934	1	16: 1:12	23.0500	754.36	88.62
935	1	16: 2:12	23.0667	754.67	88.45
		Parada @ 2800'.			
936	1	16: 3:12	23.0833	739.57	88.29
937	1	16: 4:12	23.1000	739.96	88.13
938	1	16: 5:12	23.1167	740.00	88.30
939	1	16: 6:12	23.1333	739.97	88.21
940	1	16: 7:12	23.1500	711.18	88.05
		Parada @ 2600'.			
941	1	16: 8:12	23.1667	679.10	87.83
942	1	16: 9:12	23.1833	679.24	87.61
943	1	16:10:12	23.2000	679.44	87.50
944	1	16:11:12	23.2167	656.14	87.27
		Parada @ 2400'.			
945	1	16:12:12	23.2333	618.28	87.01
946	1	16:13:12	23.2500	618.53	86.52

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 8

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
947	1	16:14:12	23.2667	618.45	86.23
948	1	16:15:12	23.2833	618.86	85.94
949	1	16:16:12	23.3000	562.04	85.87
		Parada @ 2100'.			
950	1	16:17:12	23.3167	525.27	85.56
951	1	16:18:12	23.3333	525.31	85.05
952	1	16:19:12	23.3500	525.64	84.67
953	1	16:20:12	23.3667	526.00	84.28
954	1	16:21:12	23.3833	445.57	83.52
		Parada @ 1800'.			
955	1	16:22:12	23.4000	445.59	83.14
956	1	16:23:12	23.4167	445.66	82.74
957	1	16:24:12	23.4333	446.07	82.32
958	1	16:25:12	23.4500	445.94	81.88
959	1	16:26:12	23.4667	442.96	81.46
		Parada @ 1400'.			
960	1	16:27:12	23.4833	442.38	81.01
961	1	16:28:12	23.5000	442.32	80.91
962	1	16:29:12	23.5167	442.59	80.40
963	1	16:30:12	23.5333	442.59	80.08
964	1	16:31:12	23.5500	439.33	79.69
		Parada @ 1000'.			
965	1	16:32:12	23.5667	438.95	78.76
966	1	16:33:12	23.5833	438.71	78.39
967	1	16:34:12	23.6000	439.13	78.07
968	1	16:35:12	23.6167	439.06	77.48
969	1	16:36:12	23.6333	436.20	76.79
		Parada @ 500'.			
970	1	16:37:12	23.6500	434.34	76.27
971	1	16:38:12	23.6667	434.55	75.81
972	1	16:39:12	23.6833	434.09	75.26
973	1	16:40:12	23.7000	434.87	74.65
974	1	16:41:12	23.7167	432.49	74.17
975	1	16:42:12	23.7333	430.85	73.82
976	1	16:43:12	23.7500	431.07	73.88
977	1	16:44:12	23.7667	431.18	74.28
978	1	16:45:12	23.7833	431.13	75.00
		Parada @ 0'.			
979	1	16:46:12	23.8000	431.23	75.44
980	1	16:47:12	23.8167	431.33	76.16
981	1	16:48:12	23.8333	431.63	76.66
982	1	16:49:12	23.8500	431.94	77.50
983	1	16:50:12	23.8667	431.92	77.75
		Desfoga Lubricador.			
984	1	16:51:12	23.8833	390.06	78.59
985	1	16:52:12	23.9000	14.50	78.84
986	1	16:53:12	23.9167	14.50	79.05
987	1	16:54:12	23.9333	14.50	79.28
988	1	16:55:12	23.9500	14.50	79.70
989	1	16:56:12	23.9667	14.50	79.98

SPC

Company: PETRO-TECH PERUANA S.A.

Well: LO6-14

Field: LOBITOS MAR

[Tuesday: Feb. 3, 1998]

Page 9

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)	BHT (Deg.F)
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Desconecta Bateria.

990	1	16:57:12	23.9833	14.50	80.26
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servicios Petroleros y Conexs