

~~Alvin Victor Benita~~
9-Feb-2005
OK

Archival
Well file

FLOWPETROL S.A.

L016-12

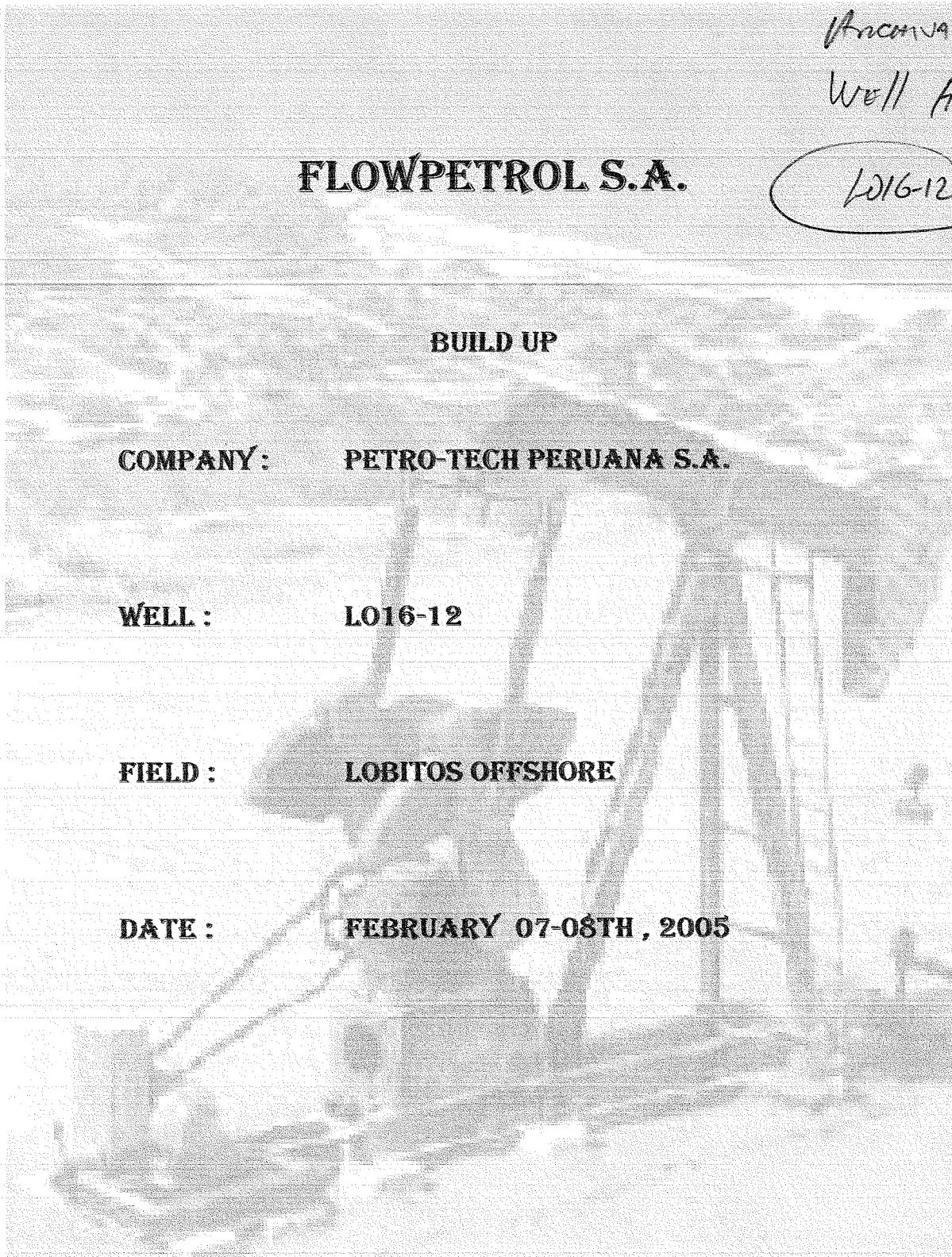
BUILD UP

COMPANY: PETRO-TECH PERUANA S.A.

WELL: L016-12

FIELD: LOBITOS OFFSHORE

DATE: FEBRUARY 07-08TH, 2005

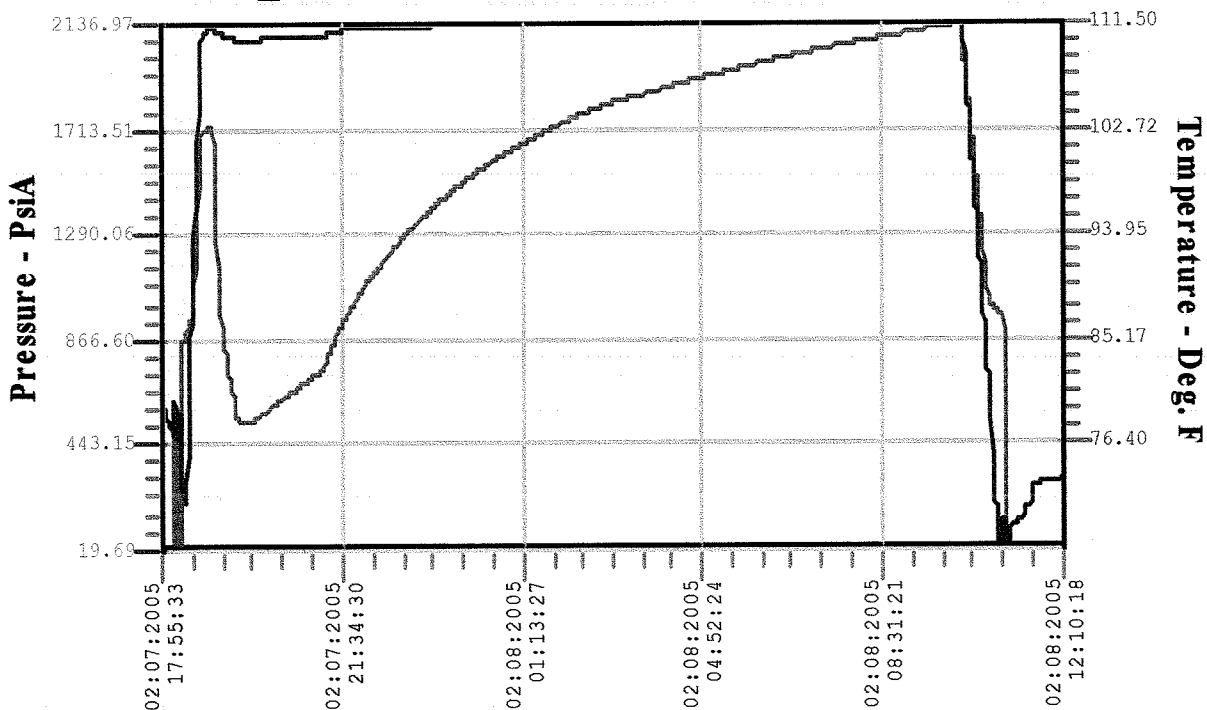


Well Test Data

Test name: LO16-12 BU

Company: FLOWPETROL S.A.
Client: PETRO-TECH S.A.
Gauge number: 91180
Well name: LO16-12
Well number: 12
Test number: 68
Field name: LOBITOS OFFSHORE
County: TALARA
State: PIURA
Date of test: FEBRUARY 07-08th, 2005
Type of test: BUILD UP
Well status: IN EVALUATION
BHP on bottom: 759.15 PSIA
BHP off bottom: 2142.29 PSIA
Bottom gauge number: 91180
Starting tubing pressure: 800 PSIG
Starting casing pressure: -
Ending tubing pressure: 930 PSI PSIG
Ending casing pressure: -
Depth of tool: 5770'
Surface elevation:
Tool zero point:
Tubing size: 2 7/8"
Bottom hole temperature: 111.10 deg °F
:
:
Test operator: PILAR SALDARRIAGA/MIRTHA CALVAY
Comments:
:
:

Temperature / Pressure Data



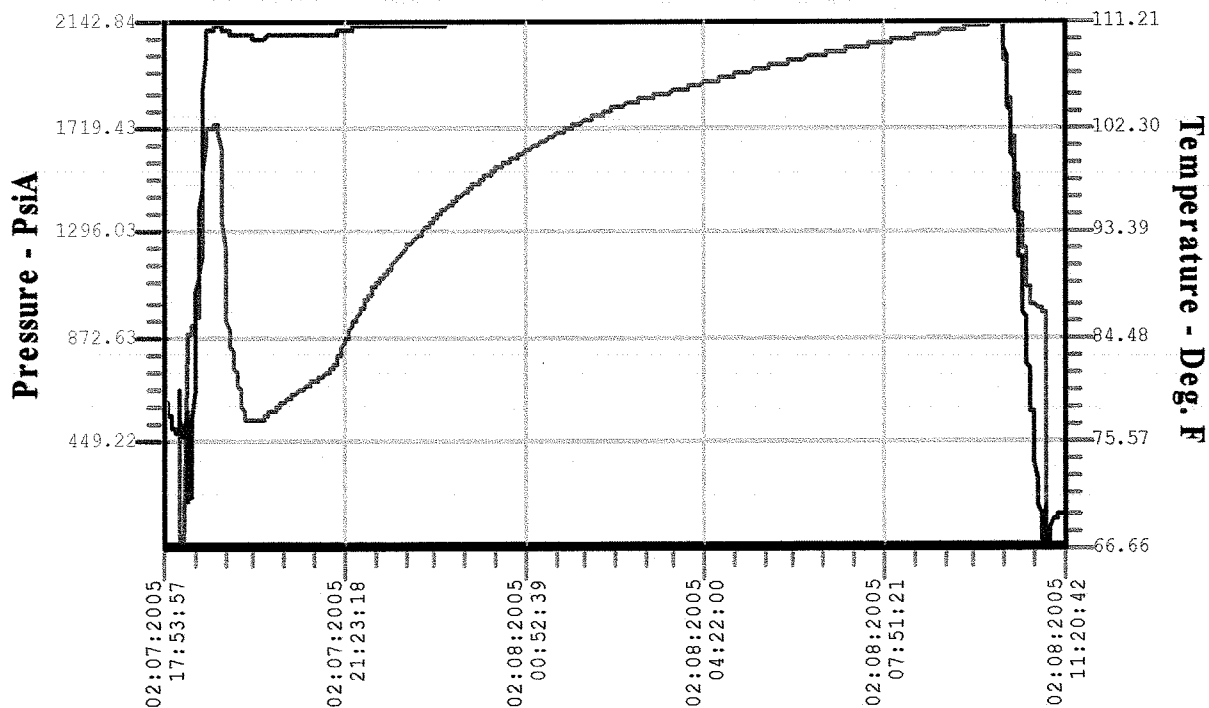
Real Time

Well Test Data

Test name: L016-12

Company: FLOWPETROL S.A
Client: PETRO-TECH S.A
Gauge number: 91176
Well name: L016-12
Well number: 12
Test number: 68
Field name: LOBITOS OFFSHORE
County: TALARA
State: PIURA
Date of test: FEBRUARY 07-08th, 2005
Type of test: BUILD UP
Well status: IN EVALUATION
BHP on bottom: 759.15 PSIA
BHP off bottom: 2142.29 PSIA
Bottom gauge number: 91176
Starting tubing pressure: 800 PSIG
Starting casing pressure: -
Ending tubing pressure: 930 PSIG
Ending casing pressure: -
Depth of tool: 5770'
Surface elevation:
Tool zero point:
Tubing size: 2 7/8"
Bottom hole temperature: 111.10 deg °F
:
:
Test operator: PILAR SALDARRIAGA/MIRTHA CALVAY
Comments:
:
:

Temperature / Pressure Data

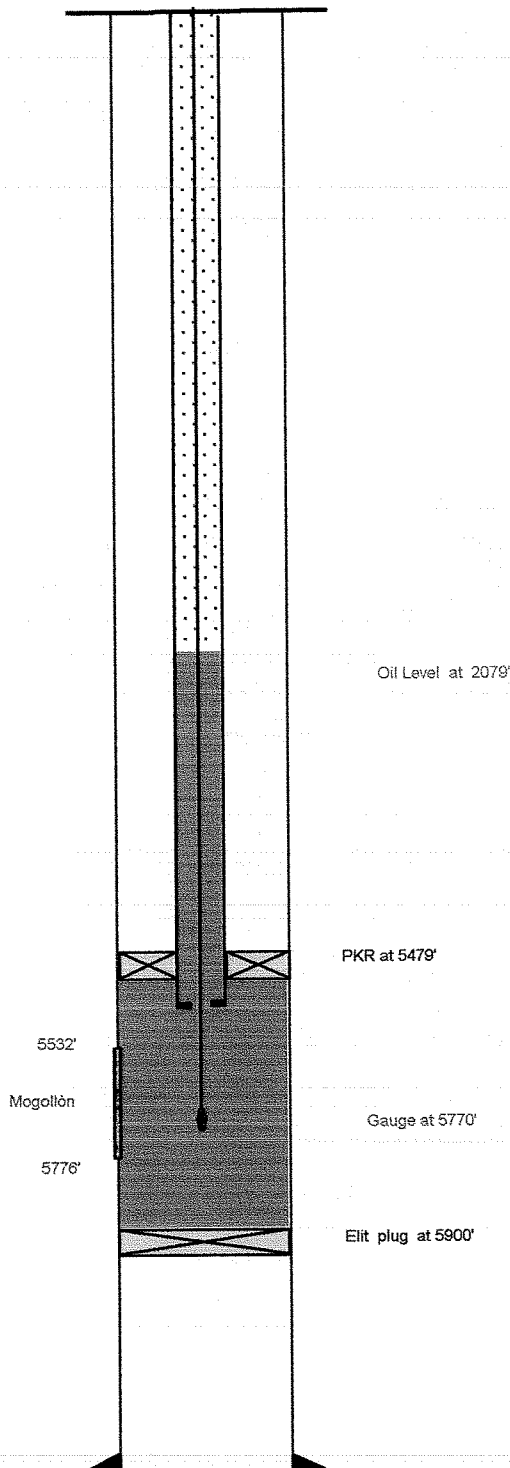


BUILD UP

Field : Lobitos Offshore
Well : LO16-12

Sand(s) : Mogollon
Interval(s) : (5776'-5532')

At Static Condition



Well Status : In Evaluation
Installation : Tbg/ PKR

(Recovered 188 bbl fluid (oil + water downhole))

FIELD REPORT :

February 07Th, 2005

13:30 Arrive to platform LO16
17:00 Rig up wireline
17:53 Activate Gauge No 91176 -91180 FPT
18:19 RIH Gauges
18:42 Memory gauges at 5770'
18:57 Bleed off well to auxiliar tank x 02hr at Flowing Condition.
19:57 Pt = 50 Psig, Prod.= 10.4 Bbl
20:57 Pt = 0 Psig, Prod.= 0.0 Bbl
21:10 Shut in well for 12 hrs
22:00 Pt = 300 Psig
23:00 Pt = 450 Psig
24:00 Pt = 600 Psig

February 08Th, 2005

01:00 Pt = 640 Psig
02:00 Pt = 720 Psig
03:00 Pt = 760 Psig
04:00 Pt = 790 Psig
05:00 Pt = 815 Psig
06:00 Pt = 870 Psig
07:00 Pt = 890 Psig
08:00 Pt = 900 Psig
09:00 Pt = 910 Psig
10:00 Pt = 920 Psig
10:09 POOH Gauges with steps as follows:
5770'-5270'-4770'-4270'-3770'-3270'
2770'-2270'-1770'-1270'-770' -0'
11:00 Pt = 930 Psig
11:20 Gauges on Surface.
13:00 Rig Down wireline

WHI = 920 psig

Oil level → *2079' MD (1976' VD)*
(0.3228 psi/ft)

MDP → *56 54' MD (5323' VD) = 2107 psi*

Memory → *5770' MD (5432' VD) ⇒ 2142 psi*

Mogollon

Pressure = 2107 psi (0.396 psi/ft)

Increase = 36 psi/ft

Field Operator: Jorge Sanjinez

Field Supervisor : Pilar Saldarriaga / Mirtha Calvay

Fluid Level at Static Condition (while POOH gauges)

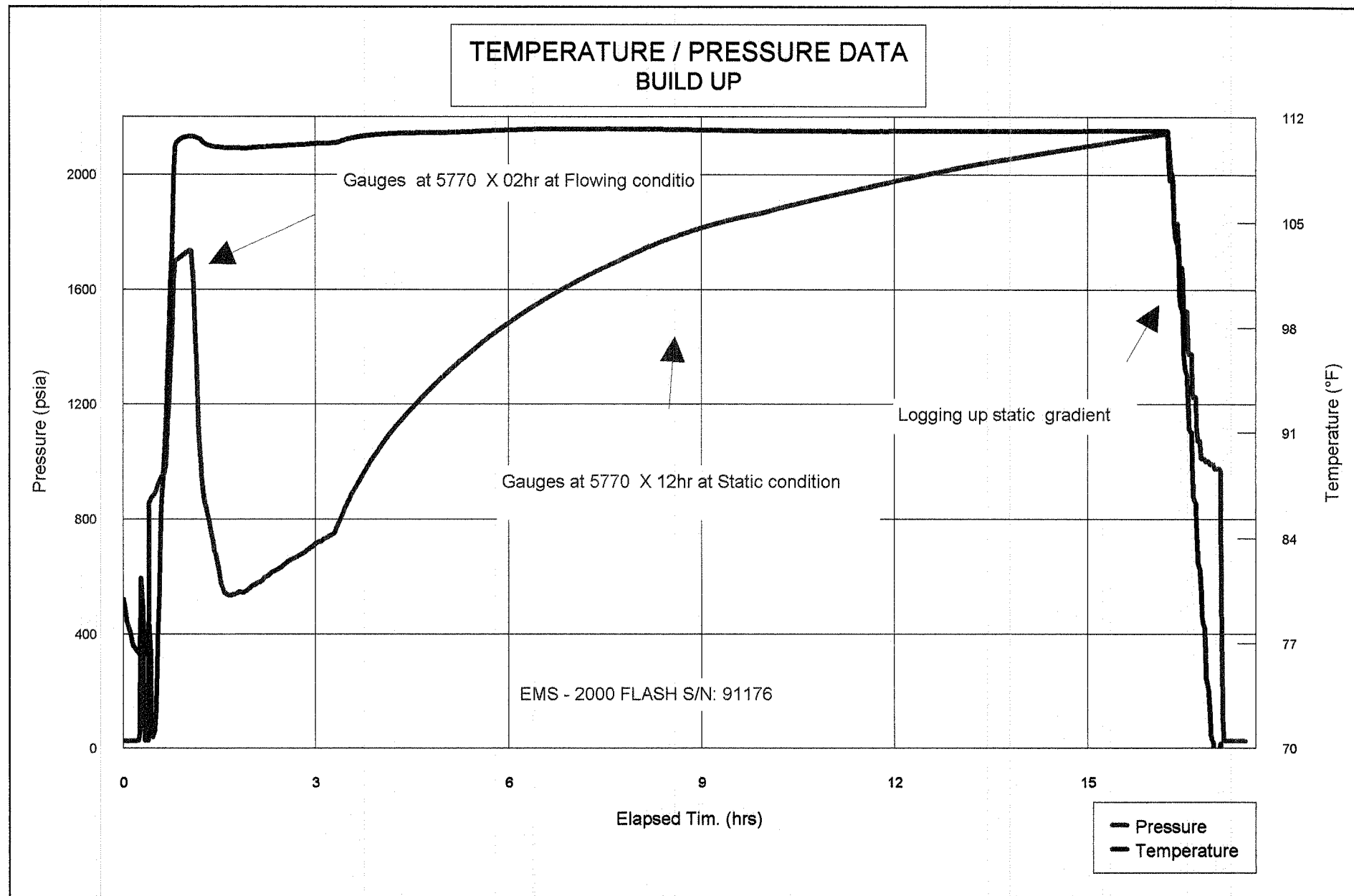
Measured depth (ft)	Vertical depth (ft)	Pressure (psia)	Gradient (psi/ft)
0	0.00	973.88	
770	748.54	991.08	0.0230
1270	1231.91	1001.06	0.0206
1770	1692.79	1010.38	0.0202
2270	2151.46	1073.04	0.1366
2770	2611.28	1225.54	0.3317
3270	3071.47	1375.20	0.3252
3770	3537.21	1525.82	0.3234
4270	4009.47	1677.69	0.3216
4770	4488.82	1830.40	0.3186
5270	4963.11	1980.63	0.3167
5770	5432.54	2142.29	0.3444

Levels & Gradients

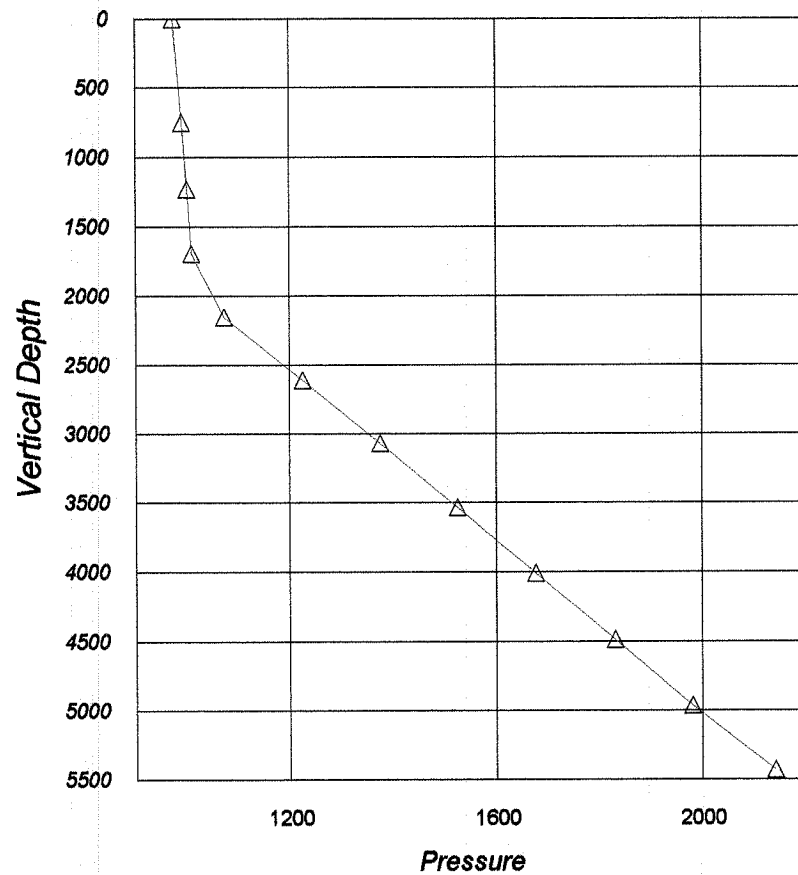
	Static levels		Gradient (psi/ft)
	Measured (ft)	Vertical (ft)	
Gas =	0	0	0.0216
Oil =	2079	1976	0.3228
Gauges =	5770	5433	0.3943

Summary of Results Well: LO16-12

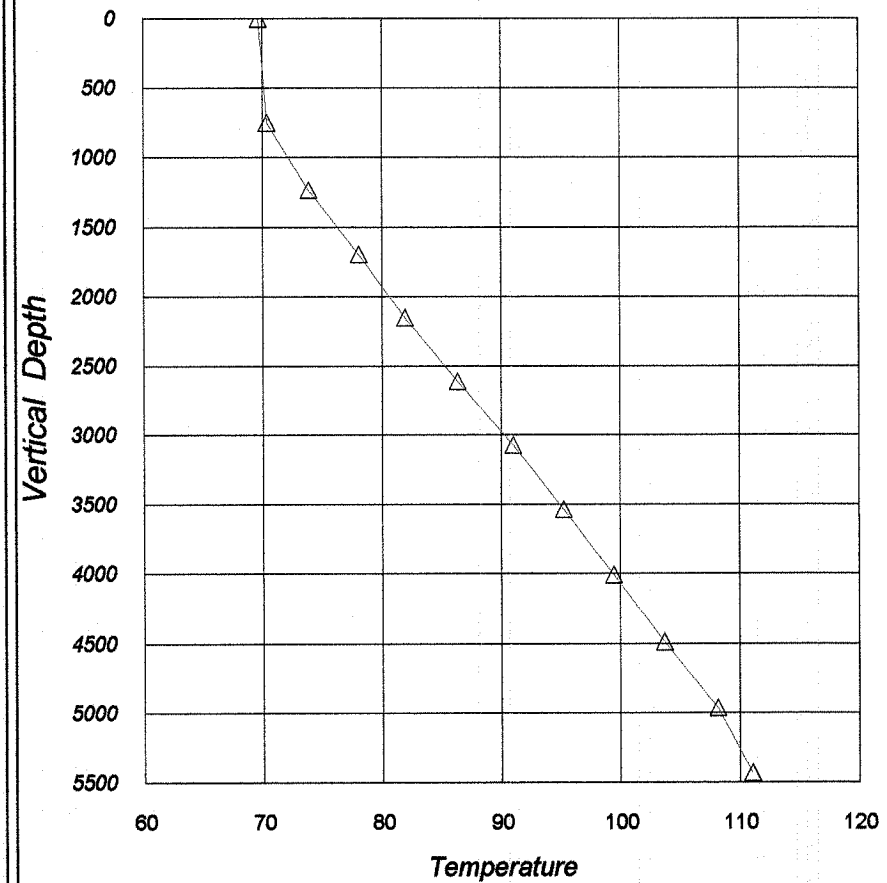
Date of Test	February 07-08th, 2005	
Formation	Mogollon (5532'-5776')	
Depth of gauges	5,770	M.D. ft
	5,433	V.D. ft
12hrs. at Static condition		
Static Pressure at 5770' MD	2142.29	psia (Memory)
Static Temperature at 5770' MD	111.10	°F
Static Gradient at 5770' MD	0.3943	psi/ft
Oil level	2079	ft. MD
	1976	ft. VD
Oil Gradient	0.3228	psi/ft
Gas gradient	0.0216	psi/ft



Pressure Static LO16-12 Well



Temperature Static LO16-12 Well



Well LO16-12 Development Test

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)	Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
Activate Gauge s/n: 91176					02/07/2005	18:55:42	1.02917	1733.51	110.69
02/07/2005	17:53:57	0.00000	27.20	79.44	02/07/2005	18:56:42	1.04583	1736.05	110.7
02/07/2005	17:53:58	0.00028	27.34	79.46	Bleed off well to auxiliary tank x 02hr at flowing condition				
02/07/2005	17:53:59	0.00056	27.33	79.48	02/07/2005	18:57:42	1.0625	1733.77	110.7
02/07/2005	17:54:00	0.00083	27.33	79.47	02/07/2005	18:58:42	1.07917	1689.9	110.7
02/07/2005	17:54:01	0.00111	27.45	79.49	02/07/2005	18:59:42	1.09583	1625.15	110.69
02/07/2005	17:54:02	0.00139	27.44	79.49	02/07/2005	19:00:42	1.1125	1540.11	110.68
02/07/2005	17:54:03	0.00167	27.36	79.50	02/07/2005	19:01:42	1.12917	1445.71	110.66
02/07/2005	17:54:04	0.00194	27.19	79.49	02/07/2005	19:02:42	1.14583	1340.92	110.64
02/07/2005	17:54:05	0.00222	27.33	79.50	02/07/2005	19:03:42	1.1625	1227.13	110.61
02/07/2005	17:54:06	0.00250	27.15	79.50	02/07/2005	19:04:42	1.17917	1122.27	110.58
02/07/2005	17:54:07	0.00278	27.26	79.50	02/07/2005	19:05:42	1.19583	1040.81	110.56
02/07/2005	17:54:08	0.00306	27.18	79.50	02/07/2005	19:06:42	1.2125	994.61	110.52
02/07/2005	17:54:09	0.00333	27.04	79.50	02/07/2005	19:07:42	1.22917	944.73	110.43
02/07/2005	17:54:10	0.00361	27.24	79.50	02/07/2005	19:08:42	1.24583	900.32	110.34
02/07/2005	17:54:11	0.00389	27.32	79.50	02/07/2005	19:09:42	1.2625	875.28	110.27
02/07/2005	17:54:12	0.00417	27.17	79.49	02/07/2005	19:10:42	1.27917	856.74	110.23
02/07/2005	17:54:13	0.00444	27.50	79.52	02/07/2005	19:11:42	1.29583	840.37	110.18
02/07/2005	17:54:14	0.00472	27.45	79.53	02/07/2005	19:12:42	1.3125	824.56	110.15
02/07/2005	17:54:15	0.00500	27.49	79.54	02/07/2005	19:13:42	1.32917	809.18	110.13
02/07/2005	17:54:16	0.00528	27.46	79.56	02/07/2005	19:14:42	1.34583	787.9	110.11
02/07/2005	17:54:17	0.00556	27.34	79.69	02/07/2005	19:15:42	1.3625	767.57	110.09
02/07/2005	17:54:18	0.00583	27.52	79.81	02/07/2005	19:16:42	1.37917	750.83	110.07
02/07/2005	17:54:19	0.00611	27.13	79.92	02/07/2005	19:17:42	1.39583	730.25	110.05
02/07/2005	17:54:20	0.00639	26.86	79.96	02/07/2005	19:18:42	1.4125	712.73	110.03
02/07/2005	17:54:21	0.00667	26.80	80.01	02/07/2005	19:19:42	1.42917	690.61	110.02
02/07/2005	17:54:22	0.00694	26.71	80.01	02/07/2005	19:20:42	1.44583	678.36	110.01
02/07/2005	17:54:23	0.00722	26.80	80.00	02/07/2005	19:21:42	1.4625	660.51	110.01
02/07/2005	17:54:24	0.00750	26.84	80.00	02/07/2005	19:22:42	1.47917	645.76	110
02/07/2005	17:54:25	0.00778	26.73	79.99	02/07/2005	19:23:42	1.49583	622.89	110
02/07/2005	17:54:26	0.00806	26.54	79.98	02/07/2005	19:24:42	1.5125	599.69	109.99
02/07/2005	17:54:27	0.00833	26.79	79.97	02/07/2005	19:25:42	1.52917	578.19	109.98
02/07/2005	17:54:28	0.00861	26.84	79.95	02/07/2005	19:26:42	1.54583	565.16	109.96
02/07/2005	17:54:29	0.00889	26.81	79.95	02/07/2005	19:27:42	1.5625	557.07	109.96
02/07/2005	17:54:30	0.00917	26.76	79.95	02/07/2005	19:28:42	1.57917	545.51	109.96
02/07/2005	17:54:31	0.00944	26.80	79.93	02/07/2005	19:29:42	1.59583	544.56	109.95
02/07/2005	17:54:32	0.01250	26.77	79.90	02/07/2005	19:30:42	1.6125	541.73	109.95
02/07/2005	17:55:42	0.02917	26.81	79.47	02/07/2005	19:31:42	1.62917	537.55	109.95
02/07/2005	17:56:42	0.04583	26.81	79.06	02/07/2005	19:32:42	1.64583	536.17	109.94
02/07/2005	17:57:42	0.06250	26.78	78.53	02/07/2005	19:33:42	1.6625	537.07	109.94
02/07/2005	17:58:42	0.07917	26.71	78.25	02/07/2005	19:34:42	1.67917	536.91	109.94
02/07/2005	17:59:42	0.09583	26.75	78.01	02/07/2005	19:35:42	1.69583	537.68	109.94
02/07/2005	18:00:42	0.11250	26.75	77.89	02/07/2005	19:36:42	1.7125	539.01	109.93
02/07/2005	18:01:42	0.12917	26.72	77.47	02/07/2005	19:37:42	1.72917	540.19	109.93
02/07/2005	18:02:42	0.14583	26.73	77.11	02/07/2005	19:38:42	1.74583	541.43	109.93
02/07/2005	18:03:42	0.16250	26.71	76.89	02/07/2005	19:39:42	1.7625	543.03	109.93
02/07/2005	18:04:42	0.17917	26.84	76.76	02/07/2005	19:40:42	1.77917	544.78	109.93
02/07/2005	18:05:42	0.19583	26.99	76.67	02/07/2005	19:41:42	1.79583	546.08	109.93
02/07/2005	18:06:42	0.21250	27.15	76.58	02/07/2005	19:42:42	1.8125	548.66	109.93
02/07/2005	18:07:42	0.22917	27.28	76.49	02/07/2005	19:43:42	1.82917	548.07	109.93
02/07/2005	18:08:42	0.24583	27.34	76.39	02/07/2005	19:44:42	1.84583	547.52	109.92
02/07/2005	18:09:42	0.26250	46.37	76.32	02/07/2005	19:45:42	1.8625	545.71	109.92
02/07/2005	18:10:42	0.27917	595.24	79.92	02/07/2005	19:46:42	1.87917	546.46	109.91
02/07/2005	18:11:42	0.29583	545.65	79.81	02/07/2005	19:47:42	1.89583	548.45	109.91
02/07/2005	18:12:42	0.31250	501.69	79.11	02/07/2005	19:48:42	1.9125	550.63	109.92
02/07/2005	18:13:42	0.32917	95.14	77.40	02/07/2005	19:49:42	1.92917	552.77	109.92
02/07/2005	18:14:42	0.34583	28.11	76.58	02/07/2005	19:50:42	1.94583	555.53	109.93
02/07/2005	18:15:42	0.36250	28.58	76.42	02/07/2005	19:51:42	1.9625	558.52	109.94
02/07/2005	18:16:42	0.37917	76.33	76.33	02/07/2005	19:52:42	1.97917	561.86	109.94
02/07/2005	18:17:42	0.39583	27.72	76.24	02/07/2005	19:53:42	1.99583	564.68	109.95
02/07/2005	18:18:42	0.41250	858.12	76.26	02/07/2005	19:54:42	2.0125	567.73	109.96
02/07/2005	18:19:42	0.42917	863.42	76.68	02/07/2005	19:55:42	2.02917	570.93	109.97
02/07/2005	18:20:42	0.44583	873.07	70.99	02/07/2005	19:56:42	2.04583	572.27	109.97
02/07/2005	18:21:42	0.46250	879.03	70.79	02/07/2005	19:57:42	2.0625	573.14	109.97
02/07/2005	18:22:42	0.47917	881.22	70.96	02/07/2005	19:58:42	2.07917	576.84	109.98
02/07/2005	18:23:42	0.49583	887.88	71.14	02/07/2005	19:59:42	2.09583	579.64	109.98
02/07/2005	18:24:42	0.51250	898.35	72.40	02/07/2005	20:00:42	2.1125	580.48	109.99
02/07/2005	18:25:42	0.52917	909.04	74.67	02/07/2005	20:01:42	2.12917	581.4	109.99
02/07/2005	18:26:42	0.54583	919.91	77.64	02/07/2005	20:02:42	2.14583	583.47	109.99
02/07/2005	18:27:42	0.56250	928.11	80.16	02/07/2005	20:03:42	2.1625	586.48	109.99
02/07/2005	18:28:42	0.57917	937.97	83.19	02/07/2005	20:04:42	2.17917	589.41	110
02/07/2005	18:29:42	0.59583	946.28	85.73	02/07/2005	20:05:42	2.19583	594.02	110
02/07/2005	18:30:42	0.61250	949.65	87.24	02/07/2005	20:06:42	2.2125	598.36	110.01
02/07/2005	18:31:42	0.62917	954.33	88.46	02/07/2005	20:07:42	2.22917	600.36	110.02
02/07/2005	18:32:42	0.64583	958.59	89.59	02/07/2005	20:08:42	2.24583	602.58	110.03
02/07/2005	18:33:42	0.66250	983.46	91.04	02/07/2005	20:09:42	2.2625	604.2	110.03
02/07/2005	18:34:42	0.67917	1,041.84	92.91	02/07/2005	20:10:42	2.27917	608.36	110.03
02/07/2005	18:35:42	0.69583	1,122.70	95.23	02/07/2005	20:11:42	2.29583	610.03	110.04
02/07/2005	18:36:42	0.71250	1,196.73	97.21	02/07/2005	20:12:42	2.3125	616.3	110.04
02/07/2005	18:37:42	0.72917	1,270.37	99.12	02/07/2005	20:13:42	2.32917	617.3	110.06
02/07/2005	18:38:42	0.74583	1,347.02	101.16	02/07/2005	20:14:42	2.34583	618.32	110.06
02/07/2005	18:39:42	0.76250	1,423.68	103.05	02/07/2005	20:15:42	2.3625	620.06	110.06
02/07/2005	18:40:42	0.77917	1,533.91	105.47	02/07/2005	20:16:42	2.37917	622.17	110.06
02/07/2005	18:41:42	0.79583	1,637.29	108.22	02/07/2005	20:17:42	2.39583	623.66	110.06
Gauge at 5770'					02/07/2005	20:18:42	2.4125	625.25	110.06
02/07/2005	18:42:42	0.8125	1698.84	110.04	02/07/2005	20:19:42	2.42917	627.42	110.06
02/07/2005	18:43:42	0.82917	1701.58	110.23	02/07/2005	20:20:42	2.44583	630.27	110.07
02/07/2005	18:44:42	0.84583	1704.38	110.31	02/07/2005	20:21:42	2.4625	632.33	110.07
02/07/2005	18:45:42	0.8625	1707.15	110.39	02/07/2005	20:22:42	2.47917	635.98	110.07
02/07/2005	18:46:42	0.87917	1709.9	110.46	02/07/2005	20:23:42	2.49583	638.96	110.08
02/07/2005	18:47:42	0.89583	1712.63	110.52	02/07/2005	20:24:42	2.5125	642.98	110.09
02/07/2005	18:48:42	0.9125	1715.28	110.57	02/07/2005	20:25:42	2.52917	645.52	110.09
02/07/2005	18:49:42	0.92917	1717.94	110.6	02/07/2005	20:26:42	2.54583	647.59	110.1
02/07/2005	18:50:42	0.94583	1720.57	110.63	02/07/2005	20:27:42	2.5625	651.5	110.11
02/07/2005	18:51:42	0.9625	1723.16	110.65	02/07/2005	20:28:42	2.57917	654.06	110.11
02/07/2005									

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)	Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
02/07/2005	20:32:42	2.84583	662.67	110.13	02/07/2005	23:41:42	5.79583	1450.12	111.09
02/07/2005	20:33:42	2.6625	664.63	110.13	02/07/2005	23:42:42	5.8125	1452.9	111.1
02/07/2005	20:34:42	2.67917	666.15	110.13	02/07/2005	23:43:42	5.82917	1455.53	111.1
02/07/2005	20:35:42	2.69583	667.84	110.14	02/07/2005	23:44:42	5.84583	1458.32	111.1
02/07/2005	20:36:42	2.7125	669.75	110.14	02/07/2005	23:45:42	5.8625	1460.99	111.11
02/07/2005	20:37:42	2.72917	671.89	110.14	02/07/2005	23:46:42	5.87917	1463.56	111.11
02/07/2005	20:38:42	2.74583	673.64	110.14	02/07/2005	23:47:42	5.89583	1466.14	111.11
02/07/2005	20:39:42	2.7625	675.71	110.14	02/07/2005	23:48:42	5.9125	1468.76	111.12
02/07/2005	20:40:42	2.77917	678.17	110.15	02/07/2005	23:49:42	5.92917	1471.41	111.11
02/07/2005	20:42:42	2.8125	683.43	110.16	02/08/2005	00:00:42	6.1125	1500.19	111.14
02/07/2005	20:43:42	2.82917	685.85	110.16	02/08/2005	00:20:42	6.44583	1549.31	111.18
02/07/2005	20:44:42	2.84583	688.71	110.17	02/08/2005	00:40:42	6.77917	1593.78	111.19
02/07/2005	20:45:42	2.8625	691.37	110.18	02/08/2005	00:50:42	6.94583	1614.29	111.18
02/07/2005	20:46:42	2.87917	694.16	110.18	02/08/2005	00:51:42	6.9625	1616.27	111.18
02/07/2005	20:47:42	2.89583	696.79	110.19	02/08/2005	00:52:42	6.97917	1618.33	111.18
02/07/2005	20:48:42	2.9125	699.53	110.2	02/08/2005	00:53:42	6.99583	1620.36	111.18
02/07/2005	20:49:42	2.92917	701.91	110.2	02/08/2005	00:54:42	7.0125	1622.33	111.18
02/07/2005	20:50:42	2.94583	704.07	110.2	02/08/2005	00:55:42	7.02917	1624.32	111.19
02/07/2005	20:52:42	2.97917	709.92	110.21	02/08/2005	00:57:42	7.0625	1628.39	111.18
02/07/2005	20:53:42	2.99583	714.61	110.22	02/08/2005	00:58:42	7.07917	1630.43	111.18
02/07/2005	20:54:42	3.0125	716.78	110.23	02/08/2005	00:59:42	7.09583	1632.44	111.18
02/07/2005	20:55:42	3.02917	718.63	110.24	02/08/2005	01:00:42	7.1125	1634.47	111.19
02/07/2005	20:56:42	3.04583	721.09	110.24	02/08/2005	01:01:42	7.12917	1636.39	111.18
02/07/2005	20:57:42	3.0625	722.49	110.24	02/08/2005	01:45:42	7.8625	1716.48	111.19
02/07/2005	20:58:42	3.07917	722.45	110.24	02/08/2005	01:46:42	7.87917	1718.13	111.19
02/07/2005	20:59:42	3.09583	723.16	110.24	02/08/2005	01:47:42	7.89583	1719.78	111.2
02/07/2005	21:00:42	3.1125	726.5	110.24	02/08/2005	01:48:42	7.9125	1721.5	111.2
02/07/2005	21:01:42	3.12917	731.27	110.24	02/08/2005	01:49:42	7.92917	1723.08	111.2
02/07/2005	21:02:42	3.14583	733.48	110.25	02/08/2005	01:50:42	7.94583	1724.82	111.19
02/07/2005	21:03:42	3.1625	733.87	110.25	02/08/2005	01:51:42	7.9625	1726.48	111.19
02/07/2005	21:04:42	3.17917	735.75	110.25	02/08/2005	01:52:42	7.97917	1728.16	111.19
02/07/2005	21:05:42	3.19583	738.11	110.25	02/08/2005	01:53:42	7.99583	1729.76	111.19
02/07/2005	21:06:42	3.2125	740.42	110.26	02/08/2005	01:54:42	8.0125	1731.39	111.19
02/07/2005	21:07:42	3.22917	743.69	110.26	02/08/2005	01:55:42	8.02917	1733.09	111.19
02/07/2005	21:08:42	3.24583	745.01	110.27	02/08/2005	01:56:42	8.04583	1734.61	111.19
02/07/2005	21:09:42	3.2625	747.08	110.27	02/08/2005	01:57:42	8.0625	1736.27	111.19
Shut in well for 12 hrs					02/08/2005	01:58:42	8.07917	1737.9	111.19
02/07/2005	21:10:42	3.27917	749.69	110.27	02/08/2005	01:59:42	8.09583	1739.58	111.19
02/07/2005	21:11:42	3.29583	752.25	110.28	02/08/2005	02:00:42	8.1125	1741.13	111.19
02/07/2005	21:12:42	3.3125	759.15	110.28	02/08/2005	02:01:42	8.12917	1742.83	111.19
02/07/2005	21:13:42	3.32917	769.32	110.3	02/08/2005	02:02:42	8.14583	1744.38	111.19
02/07/2005	21:14:42	3.34583	778.18	110.32	02/08/2005	02:03:42	8.1625	1746	111.19
02/07/2005	21:15:42	3.3625	787.8	110.34	02/08/2005	02:04:42	8.17917	1747.56	111.18
02/07/2005	21:16:42	3.37917	796.66	110.37	02/08/2005	02:05:42	8.19583	1749.12	111.19
02/07/2005	21:49:42	3.92917	1023.67	110.81	02/08/2005	02:06:42	8.2125	1750.69	111.18
02/07/2005	21:50:42	3.94583	1029.24	110.82	02/08/2005	02:07:42	8.22917	1752.23	111.18
02/07/2005	21:51:42	3.9625	1034.84	110.82	02/08/2005	02:08:42	8.24583	1753.73	111.18
02/07/2005	21:52:42	3.97917	1040.37	110.83	02/08/2005	02:09:42	8.2625	1755.28	111.18
02/07/2005	21:53:42	3.99583	1045.75	110.83	02/08/2005	02:10:42	8.27917	1756.78	111.18
02/07/2005	21:54:42	4.0125	1051.32	110.84	02/08/2005	02:11:42	8.29583	1758.28	111.18
02/07/2005	21:55:42	4.02917	1056.93	110.85	02/08/2005	02:12:42	8.3125	1759.68	111.18
02/07/2005	21:56:42	4.04583	1062.51	110.85	02/08/2005	02:13:42	8.32917	1761.28	111.18
02/07/2005	21:57:42	4.0625	1067.96	110.86	02/08/2005	02:14:42	8.34583	1762.72	111.18
02/07/2005	21:58:42	4.07917	1073.12	110.86	02/08/2005	02:15:42	8.3625	1764.17	111.18
02/07/2005	21:59:42	4.09583	1078.41	110.87	02/08/2005	02:16:42	8.37917	1765.6	111.18
02/07/2005	22:00:42	4.1125	1083.38	110.87	02/08/2005	02:17:42	8.39583	1767	111.18
02/07/2005	22:01:42	4.12917	1088.09	110.88	02/08/2005	02:18:42	8.4125	1768.5	111.18
02/07/2005	22:02:42	4.14583	1092.88	110.88	02/08/2005	02:19:42	8.42917	1769.99	111.17
02/07/2005	22:03:42	4.1625	1097.66	110.88	02/08/2005	02:20:42	8.44583	1771.38	111.17
02/07/2005	22:04:42	4.17917	1101.95	110.89	02/08/2005	02:41:42	8.79583	1799.66	111.15
02/07/2005	22:05:42	4.19583	1106.42	110.89	02/08/2005	04:00:42	10.1125	1875.84	111.07
02/07/2005	22:06:42	4.2125	1110.87	110.89	02/08/2005	04:10:42	10.27917	1885.7	111.07
02/07/2005	22:07:42	4.22917	1115.33	110.9	02/08/2005	04:20:42	10.44583	1895.21	111.07
02/07/2005	22:08:42	4.24583	1119.83	110.9	02/08/2005	04:40:42	10.77917	1913.52	111.06
02/07/2005	22:09:42	4.2625	1124.19	110.9	02/08/2005	04:50:42	10.94583	1922.48	111.06
02/07/2005	22:10:42	4.27917	1128.57	110.91	02/08/2005	05:00:42	11.1125	1931.32	111.06
02/07/2005	22:11:42	4.29583	1132.84	110.91	02/08/2005	05:40:42	11.77917	1965.36	111.06
02/07/2005	22:12:42	4.3125	1137.05	110.91	02/08/2005	05:41:42	11.79583	1966.24	111.06
02/07/2005	22:13:42	4.32917	1141.4	110.91	02/08/2005	05:42:42	11.8125	1967.03	111.06
02/07/2005	22:14:42	4.34583	1145.72	110.92	02/08/2005	05:43:42	11.82917	1967.88	111.06
02/07/2005	22:15:42	4.3625	1149.86	110.92	02/08/2005	05:44:42	11.84583	1968.67	111.05
02/07/2005	22:16:42	4.37917	1154.42	110.92	02/08/2005	05:45:42	11.8625	1969.52	111.05
02/07/2005	22:17:42	4.39583	1158.67	110.92	02/08/2005	05:46:42	11.87917	1970.36	111.05
02/07/2005	22:18:42	4.4125	1162.96	110.92	02/08/2005	05:47:42	11.89583	1971.16	111.05
02/07/2005	22:19:42	4.42917	1167.16	110.92	02/08/2005	05:48:42	11.9125	1972.06	111.06
02/07/2005	22:40:42	4.77917	1250.32	110.94	02/08/2005	05:49:42	11.92917	1972.88	111.06
02/07/2005	22:41:42	4.79583	1254.03	110.95	02/08/2005	05:50:42	11.94583	1973.75	111.06
02/07/2005	22:42:42	4.8125	1257.82	110.94	02/08/2005	05:51:42	11.9625	1974.53	111.06
02/07/2005	22:43:42	4.82917	1261.54	110.94	02/08/2005	05:52:42	11.97917	1975.33	111.06
02/07/2005	22:44:42	4.84583	1265.25	110.94	02/08/2005	05:53:42	11.99583	1976.17	111.06
02/07/2005	22:45:42	4.8625	1269	110.95	02/08/2005	05:54:42	12.0125	1976.93	111.06
02/07/2005	22:46:42	4.87917	1272.64	110.95	02/08/2005	05:55:42	12.02917	1977.8	111.06
02/07/2005	22:47:42	4.89583	1276.36	110.95	02/08/2005	05:56:42	12.04583	1978.55	111.06
02/07/2005	22:48:42	4.9125	1280.04	110.95	02/08/2005	05:57:42	12.0625	1979.39	111.06
02/07/2005	22:49:42	4.92917	1283.58	110.95	02/08/2005	05:58:42	12.07917	1980.19	111.06
02/07/2005	22:50:42	4.94583	1287.23	110.95	02/08/2005	05:59:42	12.09583	1980.99	111.06
02/07/2005	22:51:42	4.9625	1290.85	110.95	02/08/2005	06:00:42	12.1125	1981.77	111.06
02/07/2005	22:52:42	4.97917	1294.44	110.96	02/08/2005	06:01:42	12.12917	1982.58	111.06
02/07/2005	22:53:42	4.99583	1297.98	110.96	02/08/2005	06:02:42	12.14583	1983.38	111.06
02/07/2005	22:54:42	5.0125	1301.57	110.96	02/08/2005	06:03:42	12.1625	1984.19	111.06
02/07/2005	22:55:42	5.02917	1305.01	110.96	02/08/2005	06:04:42	12.17917	1984.98	111.06
02/07/2005	22:56:42	5.04583	1308.6	110.96	02/08/2005	06:05:42	12.19583	1985.8	111.06
02/07/2005	23:14:42	5.34583	1368.53	111.01	02/08/2005	06:06:42	12.2125	1986.56	111.06
02/07/2005	23:15:42	5.3625	1371.75	111.02	02/08/2005	06:07:42	12.22917	1987.34	111.06
02/07/2005	23:16:42	5.37							

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)	Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
02/08/2005	06:14:42	12.34583	1992.73	111.06	Step at 3270'				
02/08/2005	06:15:42	12.3625	1993.53	111.06	02/08/2005	10:28:42	16.57917	1374.03	91.26
02/08/2005	06:16:42	12.37917	1994.27	111.06	02/08/2005	10:29:42	16.59583	1374.65	91.14
02/08/2005	06:17:42	12.39583	1995.08	111.06	02/08/2005	10:30:42	16.6125	1375.2	91.05
02/08/2005	06:18:42	12.4125	1995.81	111.06	02/08/2005	10:31:42	16.62917	1236.66	88.58
02/08/2005	06:19:42	12.42917	1996.55	111.06	Step at 2770'				
02/08/2005	06:20:42	12.44583	1997.32	111.06	02/08/2005	10:32:42	16.64583	1224.4	86.74
02/08/2005	06:40:42	12.77917	2012.62	111.06	02/08/2005	10:33:42	16.6625	1225.01	86.51
02/08/2005	06:41:42	12.79583	2013.41	111.06	02/08/2005	10:34:42	16.67917	1225.54	86.35
02/08/2005	06:42:42	12.8125	2014.22	111.06	02/08/2005	10:35:42	16.69583	1116.9	84.73
02/08/2005	06:43:42	12.82917	2015.11	111.06	Step at 2270'				
02/08/2005	06:44:42	12.84583	2015.93	111.06	02/08/2005	10:36:42	16.7125	1071.86	82.41
02/08/2005	06:45:42	12.8625	2016.7	111.06	02/08/2005	10:37:42	16.72917	1072.52	82.15
02/08/2005	06:46:42	12.87917	2017.52	111.06	02/08/2005	10:38:42	16.74583	1073.04	81.98
02/08/2005	06:47:42	12.89583	2018.27	111.06	02/08/2005	10:39:42	16.7625	1011.88	80.6
02/08/2005	06:48:42	12.9125	2019.03	111.06	Step at 1770'				
02/08/2005	06:49:42	12.92917	2019.82	111.06	02/08/2005	10:40:42	16.77917	1009.67	78.79
02/08/2005	06:50:42	12.94583	2020.55	111.06	02/08/2005	10:41:42	16.79583	1010.08	78.39
02/08/2005	06:51:42	12.9625	2021.32	111.06	02/08/2005	10:42:42	16.8125	1010.38	78.09
02/08/2005	06:52:42	12.97917	2022.07	111.06	02/08/2005	10:43:42	16.82917	1002.65	76.81
02/08/2005	06:53:42	12.99583	2022.84	111.06	Step at 1270'				
02/08/2005	06:54:42	13.0125	2023.59	111.06	02/08/2005	10:44:42	16.84583	1000.35	74.67
02/08/2005	06:55:42	13.02917	2024.33	111.06	02/08/2005	10:45:42	16.8625	1000.73	74.24
02/08/2005	06:56:42	13.04583	2025.07	111.06	02/08/2005	10:46:42	16.87917	1001.06	73.92
02/08/2005	06:57:42	13.0625	2025.77	111.06	02/08/2005	10:47:42	16.89583	991.49	72.5
02/08/2005	06:58:42	13.07917	2026.5	111.07	Step at 770'				
02/08/2005	06:59:42	13.09583	2027.2	111.06	02/08/2005	10:48:42	16.9125	990.42	70.91
02/08/2005	07:00:42	13.1125	2027.93	111.07	02/08/2005	10:49:42	16.92917	990.79	70.63
02/08/2005	07:01:42	13.12917	2028.67	111.07	02/08/2005	10:50:42	16.94583	991.08	70.42
02/08/2005	07:02:42	13.14583	2029.36	111.06	02/08/2005	10:51:42	16.9625	982.28	69.41
02/08/2005	07:03:42	13.1625	2030.1	111.07	02/08/2005	10:52:42	16.97917	975.08	67.28
02/08/2005	07:04:42	13.17917	2030.77	111.07	Step at 0'				
02/08/2005	07:05:42	13.19583	2031.46	111.07	02/08/2005	10:53:42	16.99583	973.91	68.54
02/08/2005	07:06:42	13.2125	2032.18	111.07	02/08/2005	10:54:42	17.0125	973.86	69.22
02/08/2005	07:59:42	14.09583	2068.17	111.08	02/08/2005	10:55:42	17.02917	973.88	69.69
02/08/2005	08:00:42	14.1125	2066.76	111.08	02/08/2005	10:56:42	17.04583	974.09	70.04
02/08/2005	08:01:42	14.12917	2067.36	111.08	Gauges on Surface				
02/08/2005	08:20:42	14.44583	2079.39	111.08	02/08/2005	10:57:42	17.0625	968.28	70.31
02/08/2005	08:40:42	14.77917	2091.41	111.08	02/08/2005	10:58:42	17.07917	462.91	69.34
02/08/2005	08:50:42	14.94583	2097.34	111.09	02/08/2005	10:59:42	17.09583	95.41	67.08
02/08/2005	08:51:42	14.9625	2097.92	111.09	02/08/2005	11:00:42	17.1125	26.11	66.66
02/08/2005	08:52:42	14.97917	2098.49	111.08	02/08/2005	11:01:42	17.12917	25.82	66.86
02/08/2005	08:53:42	14.99583	2099.02	111.09	02/08/2005	11:02:42	17.14583	25.88	67.68
02/08/2005	08:54:42	15.0125	2099.63	111.09	02/08/2005	11:03:42	17.1625	25.96	68.15
02/08/2005	08:55:42	15.02917	2100.19	111.09	02/08/2005	11:04:42	17.17917	25.94	68.53
02/08/2005	08:56:42	15.04583	2100.79	111.09	02/08/2005	11:05:42	17.19583	25.94	69.17
02/08/2005	08:57:42	15.0625	2101.24	111.09	02/08/2005	11:06:42	17.2125	25.89	69.31
02/08/2005	08:58:42	15.07917	2101.9	111.09	02/08/2005	11:07:42	17.22917	25.88	69.32
02/08/2005	08:59:42	15.09583	2102.49	111.09	02/08/2005	11:08:42	17.24583	25.86	69.35
02/08/2005	09:00:42	15.1125	2103.07	111.09	02/08/2005	11:09:42	17.2625	25.86	69.37
02/08/2005	09:01:42	15.12917	2103.64	111.09	02/08/2005	11:10:42	17.27917	25.84	69.4
02/08/2005	09:02:42	15.14583	2104.28	111.09	02/08/2005	11:11:42	17.29583	25.83	69.42
02/08/2005	09:03:42	15.1625	2104.91	111.09	02/08/2005	11:12:42	17.3125	25.87	69.45
02/08/2005	09:04:42	15.17917	2105.48	111.09	02/08/2005	11:13:42	17.32917	25.85	69.48
02/08/2005	09:05:42	15.19583	2106.12	111.09	02/08/2005	11:14:42	17.34583	25.88	69.51
02/08/2005	09:06:42	15.2125	2106.79	111.09	02/08/2005	11:15:42	17.3625	25.85	69.54
02/08/2005	09:20:42	15.44583	2115.43	111.09	02/08/2005	11:16:42	17.37917	25.88	69.56
02/08/2005	09:40:42	15.77917	2127.46	111.09	02/08/2005	11:17:42	17.39583	25.87	69.59
02/08/2005	09:41:42	15.79583	2128.08	111.09	02/08/2005	11:18:42	17.4125	25.88	69.62
02/08/2005	09:42:42	15.8125	2128.58	111.1	02/08/2005	11:19:42	17.42917	25.9	69.65
02/08/2005	09:43:42	15.82917	2129.14	111.09	02/08/2005	11:20:42	17.44583	25.85	69.69
02/08/2005	09:44:42	15.84583	2129.8	111.1	Desactivate				
02/08/2005	09:45:42	15.8625	2130.36	111.1					
02/08/2005	09:46:42	15.87917	2130.96	111.1					
02/08/2005	09:47:42	15.89583	2131.46	111.1					
02/08/2005	09:48:42	15.9125	2131.97	111.1					
02/08/2005	09:49:42	15.92917	2132.56	111.1					
02/08/2005	09:50:42	15.94583	2133.11	111.09					
02/08/2005	10:00:42	16.1125	2138.85	111.1					
02/08/2005	10:01:42	16.12917	2139.43	111.1					
02/08/2005	10:02:42	16.14583	2139.93	111.1					
02/08/2005	10:03:42	16.1625	2140.57	111.1					
02/08/2005	10:04:42	16.17917	2141.14	111.1					
02/08/2005	10:05:42	16.19583	2141.69	111.1					
02/08/2005	10:06:42	16.2125	2142.29	111.1					
POOH Gauges									
02/08/2005	10:07:42	16.22917	2142.84	111.1					
02/08/2005	10:08:42	16.24583	2126.55	111.11					
02/08/2005	10:09:42	16.2625	2047.12	110.34					
Step at 5270'									
02/08/2005	10:10:42	16.27917	1979.55	108.91					
02/08/2005	10:11:42	16.29583	1980.05	108.4					
02/08/2005	10:12:42	16.3125	1980.63	108.19					
02/08/2005	10:13:42	16.32917	1920.14	107.6					
Step at 4770'									
02/08/2005	10:14:42	16.34583	1834.84	105.01					
02/08/2005	10:15:42	16.3625	1829.87	103.98					
02/08/2005	10:16:42	16.37917	1830.4	103.74					
02/08/2005	10:17:42	16.39583	1830.95	103.6					
02/08/2005	10:18:42	16.4125	1758.79	102.67					
Step at 4270'									
02/08/2005	10:19:42	16.42917	1676.47	100.1					
02/08/2005	10:20:42	16.44583	1677.05	99.49					
02/08/2005	10:21:42	16.4625	1677.69	99.27					
02/08/2005	10:22:42	16.47917	1643.6	98.95					
Step at 3770'									
02/08/2005	10:23:42	16.49583	1526.21	96.19					
02/08/2005	10:24:42	16.5125	1525.23	95.29					
02/08/2005	10:25:42	16.52917	1525.82	95.07					
02/08/2005	10:26:42	16.54583	1526.42	94.91					
02/08/2005	10:27:42	16.5625	1387.1	92.66					