

FLOPETROL JOHN

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 20084500010

KODE Well 31/2-15 nr. 15

Returneres etter bruk

: GEIR-OLE EIKEMO.
: LES JHONSTONE.

WELL DATA

: CASED HOLE.
: APPRAISAL.
: BRINE/WATER.
: DST-CASED HOLE.
: 1.875" (F-NIPPEL).
: 1677mRKB.
: 9 5/8".
: 9 5/8".
: 1554mRKB.
: 12 SHOTS/FT.
: BAKER DEEP PENETRATOR.
: UNDER BALANCE.

FLOPETROL JOHNSTON

Schlumberger

GENERAL INFORMATION

1.1	service	:SDP/TPT PRESSURE AND TEMPERATURE SURVAY.
1.2	company	:SHELL.
1.3	well	:31/2-15
1.4	field	:TROLL.
1.6	country	:NORWAY.
1.7	tested zone	:UPPER JURASIC, OXFORDIAN.
1.8	lat., long.	:60deg 55' 25,58" N-03deg 34' 02,50" S.

OPERATION DATA

2.1	date of test	:4-NOV-84
2.2	report nbr.	:ELS 84.91.
2.3	base	:NWB.
2.5	recorded by	:GEIR-OLE EIKEMO.
2.6	witnessed by	:LES JHONSTONE.

WELL DATA

3.1	state before test	:CASED HOLE.
3.2	well type	:APPRAISAL.
3.3	fluid type	:BRINE/WATER.
3.5	completion type	:DST-CASED HOLE.
3.6	min. restriction	:1.875" (F-NIPPEL).
3.8	vert. depth	:1677mRKB.
3.9	hole size	:9 5/8".
3.10	Csg size/shoe	:9 5/8".
3.11	tbg. shoe at	:1554mRKB.
3.12	perf. shot density	:12 SHOTS/FT.
3.13	perf. gun type	:BAKER DEEP PENETRATOR.
3.14	perf. conditions	:UNDER BALANCE.
3.15	perf. interval(s)	:1564-1567mRKB.
3.17	static W.H.P.	:1820PSI.
3.20	gas gravity	:0.601.

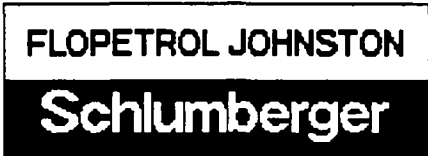
DEPTH INFORMATION

5.1	depth unit	:METER.
5.2	depth reference	:RKB.
5.3	log ref., elevation	:RKB.
5.4	total depth drlg.	:1677mRKB.
5.5	total depth FLO.	:1544mRKB.
5.8	gauge M.P. set at	:1543.79mRKB.

DOWNHOLE EQUIPMENT

6.1	cable type	:SLICK-LINE.
6.2	gauge	:SDP/TPT # 84222.
6.3	recorder	:RM # 84186.
6.5	length	:2.52 M.
6.6	max O.D	:1 11/16".

Well DATA acquisition system-Well DATA acquisition system-Well DATA acquisition



SDP/TPT PRESSURE AND TEMPERATURE SURVEY

company	: SHELL.
country	: NORWAY.
field	: TROLL.
well	: 31/2-15, GRADIENT RUN NO. 1
tested zone	: UPPER JURASIC, OXFORDIAN.
report nbr.	: ELS 84.91.
base	: NWB.
GAUGE	: SDP 84178 / 84163

SEQUENCE OF EVENTS

04-NOV-84 04:32:00	!POWER ON SDP# 84222, RM# 84186.
04-NOV-84 04:44:00	!TOOLS IN LUB.
04-NOV-84 04:45:00	!LUB. CONNECTED.
04-NOV-84 04:47:00	!OPEN SWABVALVE.
04-NOV-84 04:47:00	!GRADIENT STOP IN LUB.
04-NOV-84 04:52:00	!R.I.H.
04-NOV-84 04:54:00	!GRADIENT STOP @ 98mRKB.
04-NOV-84 04:59:00	!R.I.H.
04-NOV-84 05:01:00	!GRADIENT STOP @ 198mRKB.
04-NOV-84 05:06:00	!R.I.H.
04-NOV-84 05:09:00	!GRADIENT STOP @ 298mRKB.
04-NOV-84 05:14:00	!R.I.H.
04-NOV-84 05:16:00	!GRADIENT STOP @ 398mRKB.
04-NOV-84 05:21:00	!R.I.H.
04-NOV-84 05:23:00	!GRADIENT STOP @ 498mRKB.
04-NOV-84 05:28:00	!R.I.H.
04-NOV-84 05:30:00	!GRADIENT STOP @ 598mRKB.
04-NOV-84 05:35:00	!R.I.H.
04-NOV-84 05:37:00	!GRADIENT STOP @ 698mRKB.
04-NOV-84 05:42:00	!R.I.H.
04-NOV-84 05:44:00	!GRADIENT STOP @ 798mRKB.
04-NOV-84 05:49:00	!R.I.H.
04-NOV-84 05:51:00	!GRADIENT STOP @ 898mRKB.
04-NOV-84 05:56:00	!R.I.H.
04-NOV-84 05:58:00	!GRADIENT STOP @ 989mRKB.
04-NOV-84 06:03:00	!R.I.H.
04-NOV-84 06:05:00	!GRADIENT STOP @ 1098mRKB.
04-NOV-84 06:10:00	!R.I.H.
04-NOV-84 06:12:00	!GRADIENT STOP @ 1198mRKB.
04-NOV-84 06:17:00	!R.I.H.
04-NOV-84 06:19:00	!GRADIENT STOP @ 1298mRKB.
04-NOV-84 06:24:00	!R.I.H.
04-NOV-84 06:26:00	!GRADIENT STOP @ 1398mRKB.
04-NOV-84 06:31:00	!R.I.H.
04-NOV-84 06:33:00	!GRADIENT STOP @ 1498mRKB.
04-NOV-84 06:38:00	!R.I.H.
04-NOV-84 06:39:00	!GRADIENT STOP @ 1510mRKB.
04-NOV-84 06:44:00	!R.I.H.
04-NOV-84 06:45:00	!GRADIENT STOP @ 1543mRKB.
04-NOV-84 06:50:00	!R.I.H.
04-NOV-84 06:51:00	!GRADIENT STOP @ 1510mRKB.
04-NOV-84 06:56:00	!P.O.O.H.
04-NOV-84 06:57:00	!GRADIENT STOP @ 1498mRKB.
04-NOV-84 07:02:00	!P.O.O.H.
04-NOV-84 07:04:00	!GRADIENT STOP @ 1398mRKB.
04-NOV-84 07:09:00	!P.O.O.H.
04-NOV-84 07:11:00	!GRADIENT STOP @ 1298mRKB.
04-NOV-84 07:16:00	!P.O.O.H.
04-NOV-84 07:18:00	!GRADIENT STOP @ 1198mRKB.
04-NOV-84 07:23:00	!P.O.O.H.
04-NOV-84 07:25:00	!GRADIENT STOP @ 1098mRKB.
04-NOV-84 07:30:00	!P.O.O.H.
04-NOV-84 07:32:00	!GRADIENT STOP @ 998mRKB.
04-NOV-84 07:37:00	!P.O.O.H.
04-NOV-84 07:39:00	!GRADIENT STOP @ 898mRKB.
04-NOV-84 07:44:00	!P.O.O.H.
04-NOV-84 07:46:00	!GRADIENT STOP @ 798mRKB.
04-NOV-84 07:51:00	!P.O.O.H.
04-NOV-84 07:53:00	!GRADIENT STOP @ 698mRKB.
04-NOV-84 07:58:00	!P.O.O.H.
04-NOV-84 08:00:00	!GRADIENT STOP @ 598mRKB.
04-NOV-84 08:05:00	!P.O.O.H.
04-NOV-84 08:07:00	!GRADIENT STOP @ 498mRKB.
04-NOV-84 08:12:00	!P.O.O.H.
04-NOV-84 08:14:00	!GRADIENT STOP @ 398mRKB.

04-NOV-84 08:19:00	!P.O.O.H.
04-NOV-84 08:21:00	!GRADIENT STOP @ 298mRKB.
04-NOV-84 08:26:00	!P.O.O.H.
04-NOV-84 08:28:00	!GRADIENT STOP @ 198mRKB.
04-NOV-84 08:33:00	!P.O.O.H.
04-NOV-84 08:35:00	!GRADIENT STOP @ 98mRKB.
04-NOV-84 08:40:00	!P.O.O.H.
04-NOV-84 08:43:00	!IN LUB.
04-NOV-84 08:51:00	!CLOSE SWABVALVE.
04-NOV-84 08:53:00	!DISCONNECT LUB.
04-NOV-84 08:57:00	!TOOLS OFF STRING.
04-NOV-84 09:00:00	!POWER OFF SDP# 84222.

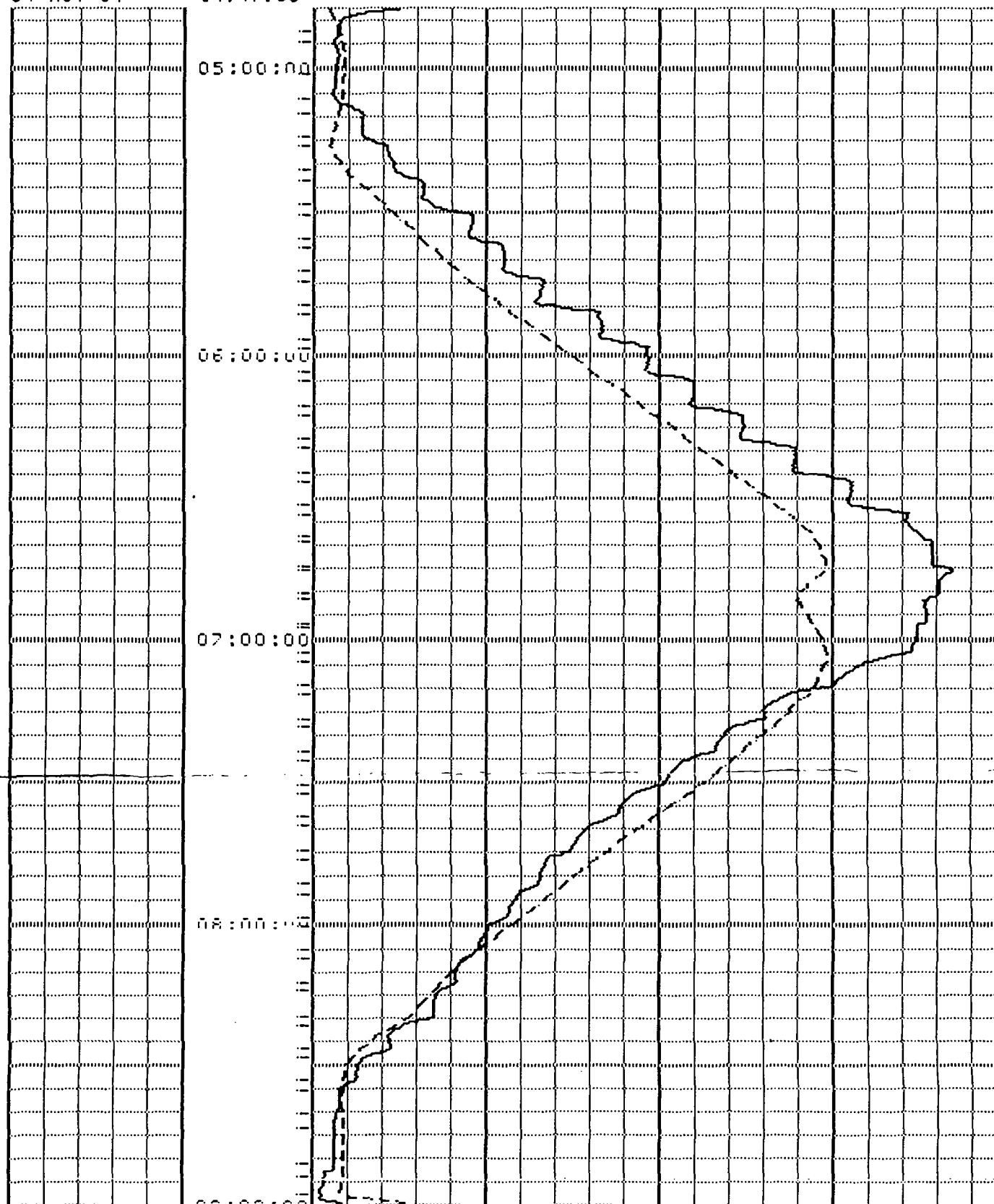
SHELL, WELL:31/2-15, DST# 2, TROLLFIELD, SDP# 84222, GRADIENT RUN.

[256] VERSUS TIME LOGGING START TIME:04-NOV-84 04:32:00 SCALE:1800.sec/inch

		SDP (psia)	
		0.	400.
		[50.504]	
		SDT (degF)	
		40.	160.
		[42.593]	

04-NOV-84

04:47:00



04-NOV-84

08:58:55

SHELL, WELL:31/2-15, DST# 2, TROLLFIELD, SDP# 84222, GRADIENT RUN.

[253] START TIME:04-NOV-84 04:32:00

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04:32:00 POWER ON SDP# 84222, RM# 84186.
 04:44:00 TOOLS IN LUB.
 04:45:00 LUB. CONNECTED.
 04:47:00 OPEN SWABVALVE.
 04:47:00 GRADIENT STOP IN LUB.

04-NOV-84	SDT degF	SDP psia
04:47:00	42.59	50.50
04:47:10	42.74	43.37
04:47:15	42.74	40.32
04:47:25	42.90	35.23
04:47:30	42.90	33.13
04:47:40	42.90	29.85
04:47:50	42.90	27.08
04:48:00	43.05	24.76
04:48:10	43.20	22.91
04:48:20	43.20	21.40
04:48:40	43.35	19.20
04:49:00	43.50	17.58
04:49:20	43.50	16.43
04:50:00	43.80	15.13
04:51:20	44.26	13.72
04:52:00	R. I. H.	
04:52:00	44.41	13.36
04:52:20	44.41	13.98
04:52:40	44.56	13.78
04:52:50	44.56	13.71
04:54:00	GRADIENT STOP @ 98mRKB.	
04:54:10	44.71	11.77
04:54:30	44.86	11.30
04:55:10	44.86	12.52
04:55:50	45.02	13.16
04:56:30	45.17	13.46
04:56:40	45.17	14.14
04:56:50	45.17	14.22
04:57:30	45.17	13.66
04:58:50	45.32	13.06
04:59:00	R. I. H.	
05:01:00	GRADIENT STOP @ 198mRKB.	
05:01:30	45.32	12.95
05:04:10	45.02	12.11
05:05:30	45.02	11.89
05:06:00	R. I. H.	
05:06:10	44.86	12.11
05:06:20	44.86	12.33
05:06:30	44.86	13.13
05:06:40	44.86	13.62
05:06:50	44.71	14.52
05:07:00	44.86	15.92
05:07:10	44.86	16.50
05:07:30	44.71	18.53
05:07:50	44.71	21.41
05:08:00	44.71	23.12
05:08:20	44.71	25.90
05:08:30	44.56	27.65
05:08:35	44.56	28.28
05:08:55	44.41	28.52
05:09:00	GRADIENT STOP @ 298mRKB.	
05:09:05	44.41	28.36
05:09:25	44.26	28.71
05:10:05	44.26	28.05
05:11:25	43.80	28.02

04-NOV-84	SDT degF	SDP psia
05:11:45	43.96	27.73
05:11:55	43.80	28.01
05:12:15	43.65	28.08
05:12:35	43.65	27.77
05:12:45	43.65	27.86
05:12:50	43.50	27.74
05:12:55	43.65	27.88
05:13:15	43.65	27.66
05:13:25	43.50	28.13
05:13:45	43.50	28.05
05:13:55	43.50	28.03
05:14:00	R. I. H.	
05:14:05	43.35	28.82
05:14:25	43.20	31.07
05:14:35	43.20	31.45
05:14:55	43.20	33.02
05:15:05	43.20	33.72
05:15:15	43.20	35.68
05:15:35	43.20	40.54
05:15:40	42.90	42.13
05:15:45	43.05	42.68
05:16:00	GRADIENT STOP @ 398mRKB.	
05:16:25	43.05	42.51
05:17:05	43.20	42.71
05:18:25	43.80	44.17
05:19:05	44.26	45.00
05:20:25	45.02	46.29
05:21:00	R. I. H.	
05:21:05	45.47	46.47
05:21:15	45.62	46.53
05:21:20	45.77	46.51
05:21:40	45.92	49.85
05:21:45	46.07	50.49
05:21:55	46.07	51.13
05:22:05	46.23	52.52
05:22:15	46.38	53.07
05:22:25	46.53	54.17
05:22:30	46.53	54.56
05:22:50	46.83	58.94
05:23:00	GRADIENT STOP @ 498mRKB.	
05:23:00	46.98	60.72
05:23:10	47.28	61.95
05:23:30	47.59	62.49
05:24:50	48.95	63.51
05:25:30	49.70	63.62
05:26:10	50.45	63.13
05:26:50	51.06	62.35
05:26:55	51.06	62.74
05:27:00	51.06	63.57
05:27:05	51.21	63.87
05:27:10	51.36	64.50
05:27:15	51.36	65.65
05:27:25	51.51	66.64
05:27:45	51.81	66.65
05:28:00	R. I. H.	
05:28:05	52.11	67.37
05:28:25	52.26	68.91
05:28:30	52.41	69.40
05:28:35	52.56	70.21
05:28:40	52.56	71.43
05:28:50	52.72	73.35
05:28:55	52.72	74.47

04-NOV-84	SDT degF	SDP psia
05:29:05	52.87	75.86
05:29:15	53.17	77.64
05:29:25	53.17	79.90
05:29:30	53.32	81.08
05:29:40	53.47	84.08
05:29:45	53.62	85.41
05:29:55	53.77	89.36
05:30:00	GRADIENT STOP @ 598mRKB.	
05:30:00	53.77	90.82
05:30:05	53.92	91.75
05:30:15	54.07	92.09
05:30:35	54.37	91.94
05:30:45	54.52	91.86
05:30:55	54.67	92.18
05:32:15	56.03	91.59
05:33:35	57.08	90.39
05:34:55	57.98	89.61
05:35:00	R. I. H.	
05:35:05	58.28	89.85
05:35:25	58.43	94.25
05:35:30	58.73	95.36
05:35:40	58.73	99.05
05:35:45	58.73	100.77
05:36:05	59.18	106.31
05:36:15	59.33	108.29
05:36:20	59.33	108.68
05:36:40	59.63	109.18
05:37:00	GRADIENT STOP @ 698mRKB.	
05:37:00	60.08	109.20
05:37:20	60.53	109.57
05:37:40	60.83	109.59
05:38:00	61.28	110.13
05:38:40	61.88	109.97
05:39:00	62.18	110.50
05:39:05	62.33	110.73
05:39:45	62.93	110.28
05:40:25	63.53	110.17
05:40:45	63.83	109.92
05:41:25	64.43	110.22
05:41:45	64.72	109.86
05:42:00	R. I. H.	
05:42:05	64.87	110.00
05:42:10	65.02	110.50
05:42:15	65.17	111.53
05:42:25	65.17	114.65
05:42:30	65.32	115.50
05:42:35	65.32	115.99
05:42:40	65.32	117.03
05:42:50	65.62	120.32
05:43:00	65.77	123.04
05:43:05	65.77	124.33
05:43:10	65.92	126.05
05:43:20	66.22	128.84
05:43:30	66.37	131.21
05:43:40	66.52	132.18
05:43:45	66.67	132.34
05:43:55	66.82	133.57
05:44:00	GRADIENT STOP @ 798mRKB.	
05:44:35	67.56	132.88
05:44:55	68.01	132.81
05:45:05	68.31	132.79
05:45:15	68.31	133.16

04-NOV-84	SDT degF	SDP psia
05:45:55	69.21	132.76
05:47:15	70.70	131.35
05:47:55	71.29	130.04
05:48:35	72.04	128.20
05:48:40	72.04	128.10
05:48:45	72.04	130.42
05:48:50	72.19	135.19
05:49:00	R. I. H.	
05:49:00	72.34	136.50
05:49:10	72.49	138.34
05:49:15	72.63	139.32
05:49:35	72.93	142.35
05:49:45	73.08	143.95
05:49:50	73.23	149.19
05:49:55	73.23	153.62
05:50:05	73.38	157.58
05:50:10	73.53	159.46
05:50:20	73.68	162.35
05:50:25	73.82	163.38
05:50:35	74.12	164.81
05:50:40	74.12	165.48
05:50:45	74.27	165.64
05:51:00	GRADIENT STOP @ 898mRKB.	
05:51:25	75.01	164.70
05:51:45	75.61	164.18
05:51:50	75.61	164.42
05:51:55	75.76	164.94
05:52:05	75.91	164.95
05:52:10	76.05	165.17
05:52:15	76.05	165.95
05:52:20	76.20	166.40
05:52:30	76.50	166.09
05:52:50	76.95	166.62
05:53:10	77.24	166.83
05:53:15	77.39	167.15
05:53:25	77.54	167.21
05:53:35	77.69	166.90
05:53:55	78.13	166.79
05:54:05	78.28	166.65
05:54:25	78.73	166.85
05:54:35	78.88	166.75
05:54:45	79.02	167.39
05:55:05	79.32	166.84
05:55:25	79.62	165.95
05:55:35	79.91	165.52
05:55:55	80.21	165.72
05:56:00	R. I. H.	
05:56:00	80.21	166.40
05:56:10	80.36	168.53
05:56:30	80.65	171.68
05:56:35	80.80	172.66
05:56:45	80.95	175.65
05:56:55	81.10	179.09
05:57:15	81.54	185.16
05:57:25	81.84	187.48
05:57:35	81.84	189.42
05:57:45	82.14	192.04
05:57:55	82.43	193.47
05:58:00	GRADIENT STOP @ 989mRKB.	
05:58:00	82.43	193.64
05:58:20	82.88	192.90
05:59:00	83.62	192.99

04-NOV-84	SDT degF	SDP psia
05:59:20	84.06	193.02
05:59:25	84.21	193.22
05:59:45	84.65	193.00
05:59:50	84.65	192.93
06:00:00	84.95	193.61
06:00:05	85.09	193.78
06:00:15	85.24	193.49
06:00:35	85.69	193.64
06:00:55	85.98	193.24
06:01:05	86.28	192.94
06:01:15	86.42	193.63
06:01:20	86.42	193.92
06:01:40	86.87	193.29
06:02:00	87.16	193.04
06:02:20	87.46	192.31
06:02:30	87.60	192.00
06:02:40	87.75	192.53
06:02:50	87.90	192.65
06:02:55	88.05	192.76
06:03:00	R. I. H.	
06:03:00	88.20	193.24
06:03:05	88.20	194.06
06:03:10	88.20	194.48
06:03:20	88.34	196.21
06:03:25	88.49	197.32
06:03:45	88.79	204.21
06:03:55	89.08	207.88
06:04:00	89.23	209.65
06:04:05	89.23	211.14
06:04:10	89.37	212.21
06:04:20	89.67	213.51
06:04:40	89.96	216.63
06:04:45	90.11	217.33
06:04:55	90.41	219.52
06:05:00	GRADIENT STOP @ 1098mRKB.	
06:05:00	90.41	219.81
06:05:10	90.70	219.36
06:05:30	91.14	219.61
06:05:40	91.44	219.45
06:06:00	91.88	219.72
06:06:05	91.88	220.03
06:06:25	92.32	219.68
06:06:35	92.61	219.39
06:06:55	93.06	219.98
06:07:05	93.20	219.69
06:07:10	93.35	219.54
06:07:20	93.64	219.78
06:07:30	93.79	219.75
06:07:35	93.94	219.62
06:07:45	94.23	220.06
06:08:05	94.53	219.49
06:08:15	94.67	219.85
06:08:55	95.41	218.88
06:09:05	95.70	218.79
06:09:15	95.85	219.03
06:09:25	95.99	218.83
06:09:45	96.29	217.86
06:09:55	96.29	217.59
06:10:00	R. I. H.	
06:10:00	96.44	218.14
06:10:10	96.73	220.01
06:10:15	96.73	220.78

04-NOV-84	SDT degF	SDP psia
06:10:25	97.02	223.06
06:10:30	97.02	224.34
06:10:50	97.46	231.01
06:10:55	97.46	232.45
06:11:05	97.76	235.86
06:11:15	97.90	237.78
06:11:20	97.90	238.84
06:11:25	98.05	240.27
06:11:45	98.49	244.87
06:11:50	98.49	246.53
06:11:55	98.64	247.81
06:12:00	GRADIENT STOP @ 1198mRKB.	
06:12:00	98.78	248.19
06:12:20	99.37	247.72
06:12:25	99.37	247.58
06:12:35	99.66	247.88
06:12:55	100.10	247.64
06:13:05	100.25	247.71
06:13:15	100.54	248.28
06:13:25	100.69	248.06
06:13:30	100.83	247.92
06:13:50	101.13	248.30
06:14:00	101.56	248.35
06:14:10	101.56	248.81
06:14:30	102.15	248.07
06:14:50	102.44	248.18
06:15:00	102.59	248.22
06:15:20	102.88	247.43
06:15:40	103.32	247.49
06:16:00	103.76	246.62
06:16:10	103.90	246.83
06:16:15	104.05	247.06
06:16:35	104.20	246.42
06:16:55	104.49	246.38
06:17:00	R. I. H.	
06:17:00	104.49	246.79
06:17:20	104.93	250.63
06:17:30	105.07	253.19
06:17:35	105.22	254.74
06:17:40	105.22	256.66
06:18:00	105.51	263.52
06:18:10	105.80	266.68
06:18:20	105.95	270.23
06:18:25	106.09	272.14
06:18:35	106.24	274.85
06:18:45	106.53	277.26
06:18:50	106.53	277.99
06:19:00	GRADIENT STOP @ 1298mRKB.	
06:19:00	106.82	278.41
06:19:20	107.26	278.65
06:19:40	107.55	278.35
06:19:45	107.70	278.24
06:19:55	107.84	278.72
06:20:15	108.28	278.91
06:20:25	108.57	278.62
06:20:45	109.01	278.95
06:20:55	109.16	278.62
06:21:15	109.45	278.76
06:21:35	109.88	278.22
06:21:45	110.03	278.43
06:22:05	110.47	278.15
06:22:15	110.61	278.13

04-NOV-84	SDT degF	SDP psia
06:22:25	110.76	277.78
06:22:35	110.90	277.84
06:22:45	111.05	277.58
06:22:50	111.19	277.33
06:23:00	111.34	277.58
06:23:05	111.34	277.70
06:23:25	111.63	277.02
06:23:30	111.77	276.80
06:23:40	112.07	276.84
06:23:45	112.07	276.77
06:23:55	112.07	277.13
06:24:00	R. I. H.	
06:24:00	112.21	277.48
06:24:10	112.36	280.56
06:24:15	112.50	282.44
06:24:20	112.50	284.67
06:24:30	112.65	288.27
06:24:50	113.08	296.20
06:25:00	113.23	299.72
06:25:05	113.23	301.67
06:25:10	113.37	303.04
06:25:15	113.37	304.13
06:25:25	113.66	306.82
06:25:45	114.10	309.72
06:25:55	114.39	310.70
06:26:00	GRADIENT STOP @ 1398mRKB.	
06:26:00	114.39	311.07
06:26:10	114.68	311.06
06:26:15	114.82	311.12
06:26:25	114.97	310.67
06:26:45	115.41	311.09
06:26:55	115.70	311.01
06:27:00	115.70	310.74
06:27:20	116.13	311.06
06:27:40	116.57	310.77
06:27:45	116.71	310.69
06:27:55	116.86	311.08
06:28:05	117.15	310.59
06:28:15	117.29	310.79
06:28:55	118.01	310.43
06:29:15	118.45	310.23
06:29:25	118.59	310.21
06:29:45	118.88	309.70
06:29:55	119.17	309.50
06:30:15	119.32	309.74
06:30:25	119.61	309.18
06:30:35	119.75	309.18
06:30:45	119.75	308.87
06:30:55	119.90	309.20
06:31:00	R. I. H.	
06:31:00	120.04	309.93
06:31:10	120.19	312.29
06:31:20	120.33	315.04
06:31:25	120.33	316.43
06:31:30	120.47	318.13
06:31:50	120.76	323.65
06:32:00	120.91	326.62
06:32:20	121.49	333.53
06:32:30	121.49	337.13
06:32:35	121.63	338.85
06:32:45	121.78	341.56
06:32:50	121.92	343.28

04-NOV-84	SDT degF	SDP psia
06:32:55	122.06	343.72
06:33:00	GRADIENT STOP @ 1496mRKB.	
06:33:15	122.50	343.02
06:33:55	123.08	342.68
06:34:00	123.22	342.75
06:34:20	123.51	342.14
06:34:40	123.94	341.87
06:35:20	124.52	343.24
06:35:40	124.81	343.72
06:36:00	125.10	345.09
06:37:20	126.25	349.37
06:38:00	R. I. H.	
06:38:00	126.68	350.83
06:38:10	126.82	352.05
06:38:20	126.82	353.97
06:38:25	126.97	354.70
06:38:30	126.82	355.77
06:38:35	126.97	356.40
06:39:00	GRADIENT STOP @ 1510mRKB.	
06:39:15	127.26	357.38
06:40:35	127.83	357.01
06:41:55	128.26	357.14
06:43:15	128.70	356.93
06:43:55	128.70	356.81
06:44:00	R. I. H.	
06:44:00	128.70	357.58
06:44:10	128.84	359.92
06:44:30	128.70	364.04
06:44:40	128.70	366.20
06:44:45	128.70	367.31
06:44:50	128.55	368.13
06:45:00	GRADIENT STOP @ 1543mRKB.	
06:45:00	128.55	368.35
06:45:05	128.55	368.40
06:45:45	127.83	365.49
06:47:05	126.54	362.20
06:47:45	125.96	361.31
06:48:25	125.53	361.11
06:49:45	124.37	361.75
06:50:00	R. I. H.	
06:50:05	124.23	361.79
06:50:10	124.09	361.56
06:50:15	124.09	360.84
06:50:25	123.94	357.97
06:50:30	123.94	357.09
06:50:50	123.94	355.95
06:51:00	GRADIENT STOP @ 1510mRKB.	
06:51:00	123.94	354.99
06:51:10	123.80	353.14
06:51:15	123.94	352.58
06:51:35	124.09	351.65
06:52:55	124.66	353.31
06:53:35	124.95	354.10
06:54:15	125.38	354.38
06:55:35	126.25	354.32
06:55:55	126.39	354.18
06:56:00	P. O. O. H.	
06:56:05	126.54	352.73
06:56:10	126.54	351.95
06:56:30	126.82	349.97
06:56:40	126.82	349.09
06:56:50	126.82	348.63

06:57:00	GRADIENT STOP @ 1498mRKB.	
	SDT	SDP
04-NOV-84	degF	psia
06:58:10	127.54	348.80
06:58:50	127.83	348.86
06:59:30	128.12	348.58
07:00:10	128.41	347.57
07:00:30	128.41	346.71
07:00:50	128.55	346.18
07:01:30	128.84	345.90
07:01:50	128.84	345.63
07:01:55	128.84	345.56
07:02:00	P.O.O.H.	
07:02:00	128.84	345.18
07:02:10	128.98	342.77
07:02:50	128.98	334.44
07:03:30	129.13	327.04
07:03:50	128.98	323.74
07:04:00	GRADIENT STOP @ 1398mRKB.	
07:04:10	128.98	320.13
07:04:15	129.13	319.23
07:05:35	128.41	313.13
07:06:55	128.12	307.59
07:08:15	127.40	302.64
07:08:35	127.40	301.55
07:08:40	127.26	301.39
07:08:50	127.11	301.64
07:09:00	P.O.O.H.	
07:09:00	127.11	301.42
07:09:10	127.11	300.39
07:09:20	126.97	298.67
07:09:40	126.82	294.22
07:09:45	126.82	292.34
07:09:55	126.54	287.47
07:10:05	126.54	283.91
07:10:10	126.54	282.25
07:10:20	126.39	279.70
07:10:30	126.25	277.87
07:10:40	126.10	276.34
07:10:50	125.96	275.19
07:11:00	GRADIENT STOP @ 1298mRKB.	
07:11:10	125.53	273.70
07:11:50	124.81	270.11
07:12:10	124.52	268.25
07:12:50	123.80	265.21
07:14:10	122.64	260.11
07:14:15	122.50	259.77
07:15:35	121.34	260.92
07:15:55	121.20	261.32
07:16:00	P.O.O.H.	
07:16:00	121.20	261.06
07:16:10	120.91	259.51
07:16:30	120.76	255.84
07:16:50	120.47	251.85
07:17:00	120.19	249.67
07:17:20	119.90	246.04
07:17:25	119.90	245.11
07:17:45	119.46	242.90
07:18:00	GRADIENT STOP @ 1198mRKB.	
07:19:05	118.01	238.81
07:19:45	117.15	237.09
07:20:25	116.57	235.68
07:21:45	115.41	233.60
07:22:25	114.82	232.44

04-NOV-84	SDT degF	SDP psia
07:22:45	114.53	231.79
07:22:55	114.24	231.40
07:23:00	P.O.O.H.	
07:23:05	114.24	229.50
07:23:45	113.66	223.82
07:24:25	112.94	219.03
07:24:35	112.94	217.70
07:24:55	112.50	213.97
07:25:00	GRADIENT STOP @ 1098mRKB.	
07:25:15	112.21	213.27
07:26:35	110.61	209.47
07:27:15	109.88	207.75
07:29:55	107.26	202.77
07:30:00	P.O.O.H.	
07:30:35	106.68	197.86
07:31:15	106.09	192.64
07:31:35	105.51	189.58
07:31:45	105.51	187.80
07:31:50	105.22	186.92
07:31:55	105.22	186.34
07:32:00	GRADIENT STOP @ 998mRKB.	
07:32:15	104.78	185.63
07:32:55	103.90	183.49
07:33:15	103.47	182.47
07:34:35	101.86	179.69
07:35:55	100.25	177.22
07:36:15	100.10	176.59
07:36:25	99.95	176.11
07:36:45	99.51	175.57
07:36:55	99.37	175.19
07:37:00	P.O.O.H.	
07:37:15	99.08	173.31
07:37:55	98.34	168.47
07:38:35	97.61	162.76
07:38:45	97.32	161.29
07:38:50	97.17	160.49
07:39:00	GRADIENT STOP @ 898mRKB.	
07:40:10	95.55	156.96
07:41:30	93.94	154.11
07:42:50	92.47	151.77
07:43:30	91.88	150.45
07:43:50	91.44	149.84
07:44:00	P.O.O.H.	
07:44:00	91.44	149.41
07:44:40	90.70	145.20
07:44:45	90.70	144.62
07:45:25	89.96	137.69
07:45:35	89.67	136.87
07:45:55	89.37	136.04
07:46:00	GRADIENT STOP @ 798mRKB.	
07:47:15	87.60	134.12
07:48:35	86.28	132.74
07:49:55	84.65	131.70
07:50:35	84.21	130.99
07:50:55	83.91	130.64
07:51:00	P.O.O.H.	
07:51:05	83.76	130.06
07:51:45	83.17	126.29
07:51:55	83.02	125.34
07:52:15	82.58	122.66
07:52:25	82.28	121.29
07:52:35	82.14	120.24

04-NOV-84	SDT degF	SDP psia
07:52:55	81.69	119.54
07:53:00	GRADIENT STOP @ 698mRKB.	
07:53:35	80.95	119.01
07:54:15	80.21	117.62
07:54:35	79.77	116.71
07:55:15	79.02	115.43
07:56:35	77.69	113.39
07:57:15	76.95	113.08
07:57:55	76.35	112.06
07:58:00	P.O.O.H.	
07:58:15	76.05	110.39
07:58:55	75.31	106.42
07:59:15	75.01	103.88
07:59:20	74.87	103.64
07:59:30	74.72	102.49
07:59:35	74.72	102.03
07:59:55	74.27	101.16
08:00:00	GRADIENT STOP @ 598mRKB.	
08:00:05	73.97	100.97
08:00:15	73.68	101.26
08:00:55	72.93	100.68
08:01:15	72.49	99.80
08:01:55	71.74	98.48
08:03:15	70.25	96.79
08:04:35	68.91	95.78
08:04:55	68.76	95.43
08:05:00	P.O.O.H.	
08:05:15	68.31	94.57
08:05:35	68.16	93.31
08:05:45	68.01	92.57
08:06:05	67.56	90.33
08:06:45	66.97	88.09
08:07:00	GRADIENT STOP @ 498mRKB.	
08:07:05	66.67	86.84
08:08:25	65.32	84.13
08:09:05	64.72	83.22
08:09:45	64.28	82.90
08:10:05	63.98	82.61
08:11:25	62.93	82.72
08:11:45	62.78	82.89
08:12:00	P.O.O.H.	
08:12:05	62.48	82.71
08:12:25	62.33	82.13
08:12:45	62.03	80.28
08:13:05	61.88	77.84
08:13:25	61.43	74.97
08:13:35	61.28	74.10
08:14:00	GRADIENT STOP @ 398mRKB.	
08:14:55	60.23	71.58
08:16:15	59.03	70.24
08:17:35	57.98	69.78
08:18:15	57.53	69.60
08:18:55	57.08	69.98
08:19:00	P.O.O.H.	
08:19:15	56.78	69.65
08:19:25	56.78	69.31
08:19:35	56.48	68.24
08:19:45	56.33	67.61
08:19:50	56.33	66.93
08:20:10	55.73	61.62
08:20:30	55.27	56.58
08:20:40	55.12	54.63

04-NOV-84	SDT degF	SDP psia
08:20:50	54.82	53.06
08:21:00	GRADIENT STOP @ 298mRKB.	
08:21:10	54.37	51.65
08:21:20	54.07	51.39
08:22:00	53.17	48.41
08:22:40	52.26	46.13
08:23:00	51.81	45.57
08:23:20	51.36	44.59
08:23:40	51.06	44.18
08:23:50	50.91	43.98
08:24:10	50.30	44.29
08:24:30	49.85	44.07
08:24:50	49.55	44.16
08:25:00	49.55	44.26
08:25:10	49.40	44.01
08:25:30	48.95	44.43
08:25:50	48.49	44.47
08:26:00	P.O.O.H.	
08:26:00	48.49	44.67
08:26:10	48.19	44.61
08:26:30	48.04	42.27
08:26:50	47.74	39.38
08:27:00	47.43	38.01
08:27:20	47.28	34.32
08:27:30	47.13	32.65
08:27:40	47.13	31.26
08:27:50	47.13	30.19
08:28:00	GRADIENT STOP @ 198mRKB.	
08:28:10	46.83	29.33
08:28:50	46.53	28.06
08:30:10	45.92	26.37
08:30:50	45.77	25.67
08:31:10	45.62	25.41
08:31:20	45.62	25.20
08:31:30	45.47	25.49
08:31:50	45.62	25.25
08:32:10	45.47	25.71
08:32:50	45.32	25.41
08:33:00	P.O.O.H.	
08:33:00	45.32	24.94
08:33:10	45.32	24.13
08:33:30	45.17	21.89
08:33:35	45.17	21.54
08:33:45	45.17	20.25
08:34:05	45.17	18.78
08:34:15	45.17	17.86
08:34:35	45.17	16.73
08:34:55	45.02	16.09
08:35:00	GRADIENT STOP @ 98mRKB.	
08:35:35	45.17	15.47
08:36:15	45.02	15.44
08:36:35	45.02	15.59
08:39:15	45.02	15.34
08:39:55	45.17	15.10
08:40:00	P.O.O.H.	
08:40:35	45.32	14.05
08:41:15	45.17	13.66
08:41:55	45.32	12.91
08:43:00	IN LUB.	
08:47:15	45.32	12.25
08:49:55	45.17	12.34
08:51:00	CLOSE SWABVALVE.	

04-NOV-84	SDT degF	SDP psia
08:51:15	45.32	12.27
08:51:35	45.17	12.25
08:51:45	45.17	12.24
08:51:55	45.17	11.78
08:52:00	45.17	11.20
08:52:05	45.17	8.97
08:52:10	45.17	7.28
08:52:15	45.17	6.94
08:52:55	45.17	6.92
08:53:00	DISCONNECT LUB.	
08:53:15	45.17	6.90
08:53:25	45.17	6.38
08:54:45	45.02	6.30
08:55:05	44.86	6.23
08:55:15	44.86	6.18
08:55:20	44.86	6.18
08:55:25	44.86	5.77
08:55:30	44.86	4.71
08:56:10	44.86	4.42
08:56:50	44.71	4.59
08:57:00	TOOLS OFF STRING.	
08:57:30	46.07	4.71
08:57:40	47.89	4.41
08:57:50	49.55	4.55
08:58:00	50.91	5.30
08:58:05	51.36	6.03
08:58:10	51.81	7.09
08:58:15	52.41	7.65
08:58:20	53.17	7.72
08:58:25	53.62	8.22
08:58:30	53.92	9.83
08:58:40	54.82	13.51
08:58:45	55.12	15.09
08:58:50	55.73	15.93
08:58:55	56.33	16.38
09:00:00	POWER OFF SDP# 84222.	
09:00:00	ALL GRADIENT DEPTHS ARE SDP GAUGE M.P.	

TECHNICAL DATA

GAUGE

Type : SDP/TPT
Transducer module : 84222
Recorder module : 84186

OPERATION SET UP

Delay time : 15 MIN
Scanning rate : 5 SEC
Averaging : 8
Relative values : USED
Compression algorithm : USED
Compression level : 8

CALIBRATION DATA CHECKS

Before job:

Ambiant pressure : 9 PSIA
Ambiant Temperature : 20 °C

After job:

Ambiant pressure : 4 PSIA
Ambiant temperature : 13 °C

Date last calibration : 05.09.84