

WELL TEST INTERPRETATION REPORT #:113941 CLIENT : RIDGEWAY ARIZONA OIL CORP.		PAGE: 2, 12-DEC-97
REGION :WESTERN DISTRICT:VERNAL BASE :DENVER ENGINEER:C RICHARDS	SEQUENCE OF EVENTS	FIELD:WC ZONE : WELL :SOUTHGATE 36-1 LOCATION:

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
12-DEC	08:59	HYDROSTATIC MUD SET PACKER	-1	626	
	09:00	START FLOW 1" BLOW IN H2O	0	113	
	09:01	1/2" IN BUCKET	1		
	09:02	NO BLOW	2		
	10:00	END FLOW & START SHUT-IN	60	458	
	11:00	END SHUT-IN	120	509	
	11:02	START FLOW NO BLOW	122	464	
	12:02	END FLOW & START SHUT-IN	182	506	
	13:04	END SHUT-IN	244	512	
	13:06	HYDROSTATIC MUD	246	569	

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 113941

COMPANY : RIDGEWAY ARIZONA OIL CORP.

INSTRUMENT NO. 5FG262

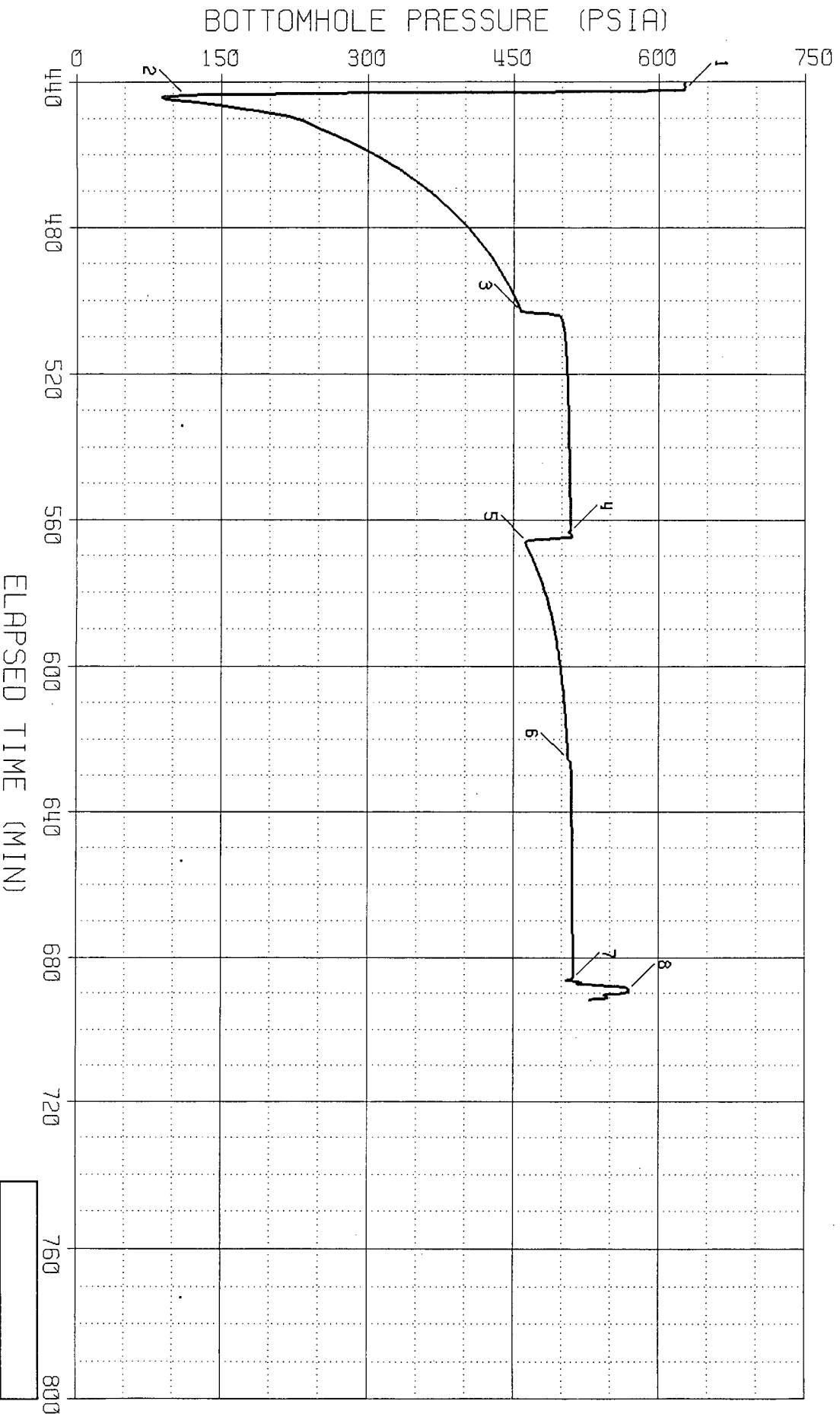
WELL : SOUTHCATE 36-1

DEPTH : 2302 FT

CAPACITY : 20000 PSI

Electronic Pressure Data

PORT OPENING : INSIDE



BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 113941

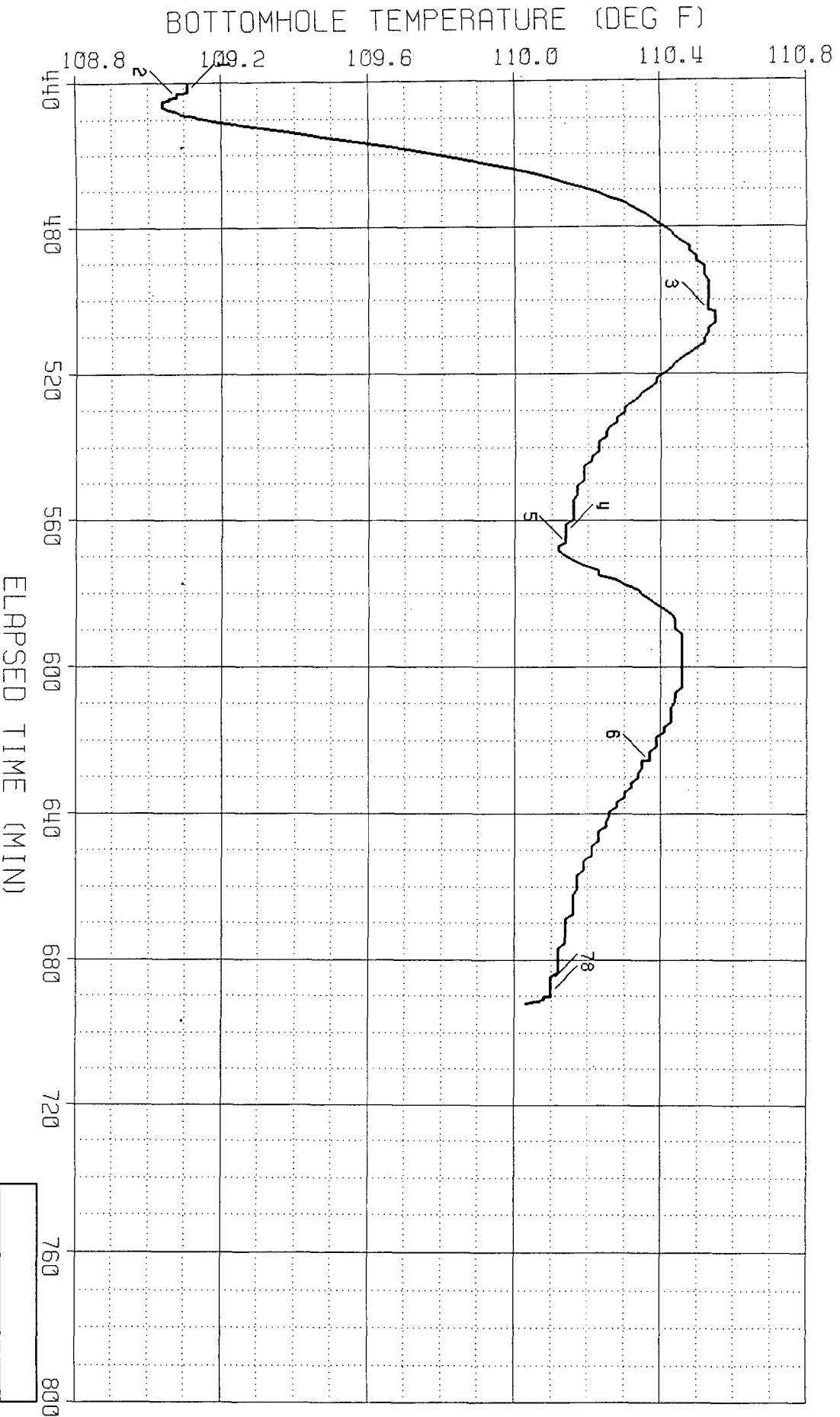
COMPANY : RIDGEWAY AIRZONA OIL CORP.

INSTRUMENT NO. SPG262

WELL : SOUTHCATE 36-1

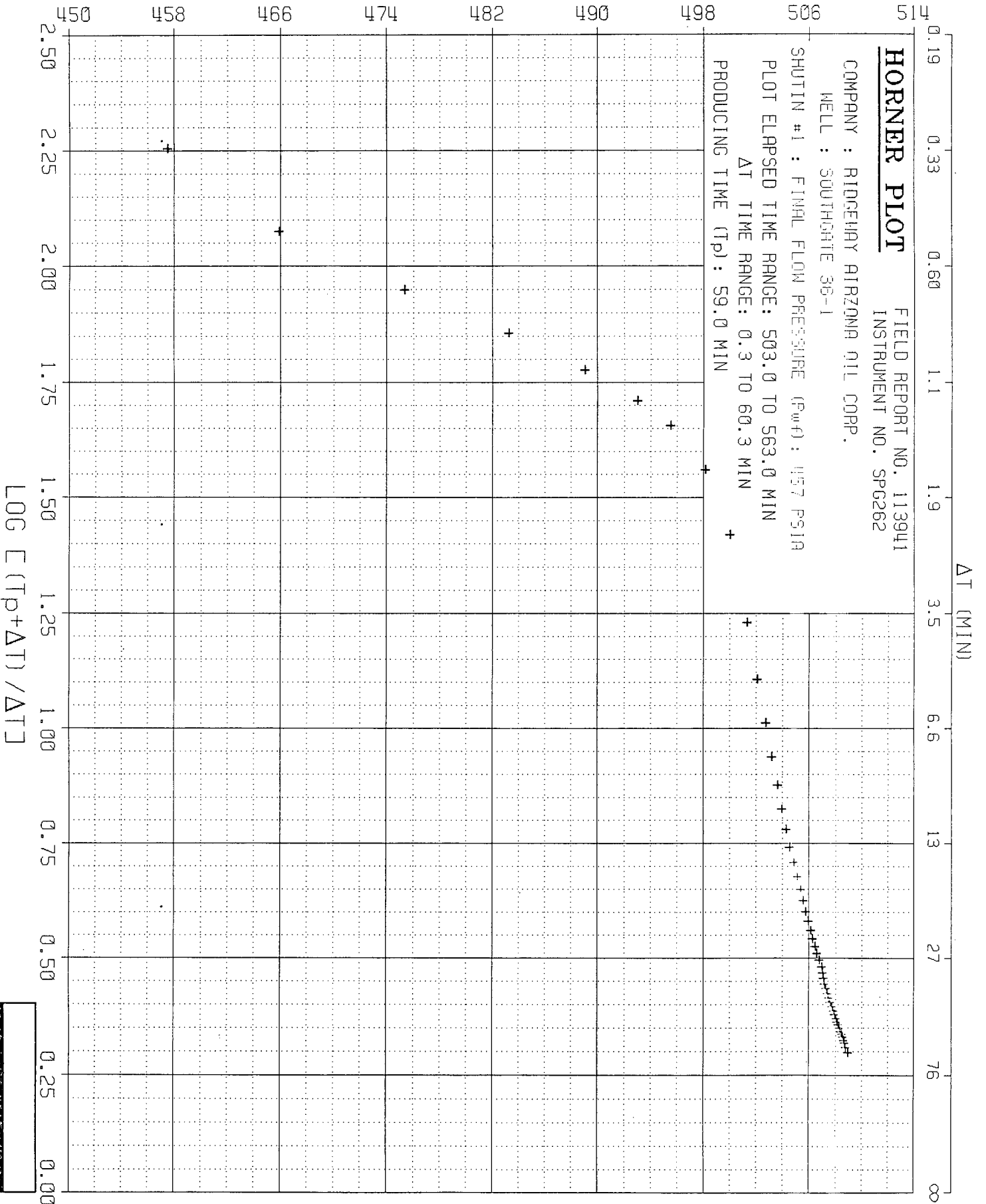
DEPTH : 2302 FT

Electronic Temperature Data



Schlumberger

PRESSURE (PSIA)



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PRESSURE (PSIA)

ΔT (MIN)

HORNER PLOT

FIELD REPORT NO. 113941
INSTRUMENT NO. SPG262

COMPANY : RIDGEMAY ARIZONA OIL CORP.

WELL : SOUTHCATE 36-1

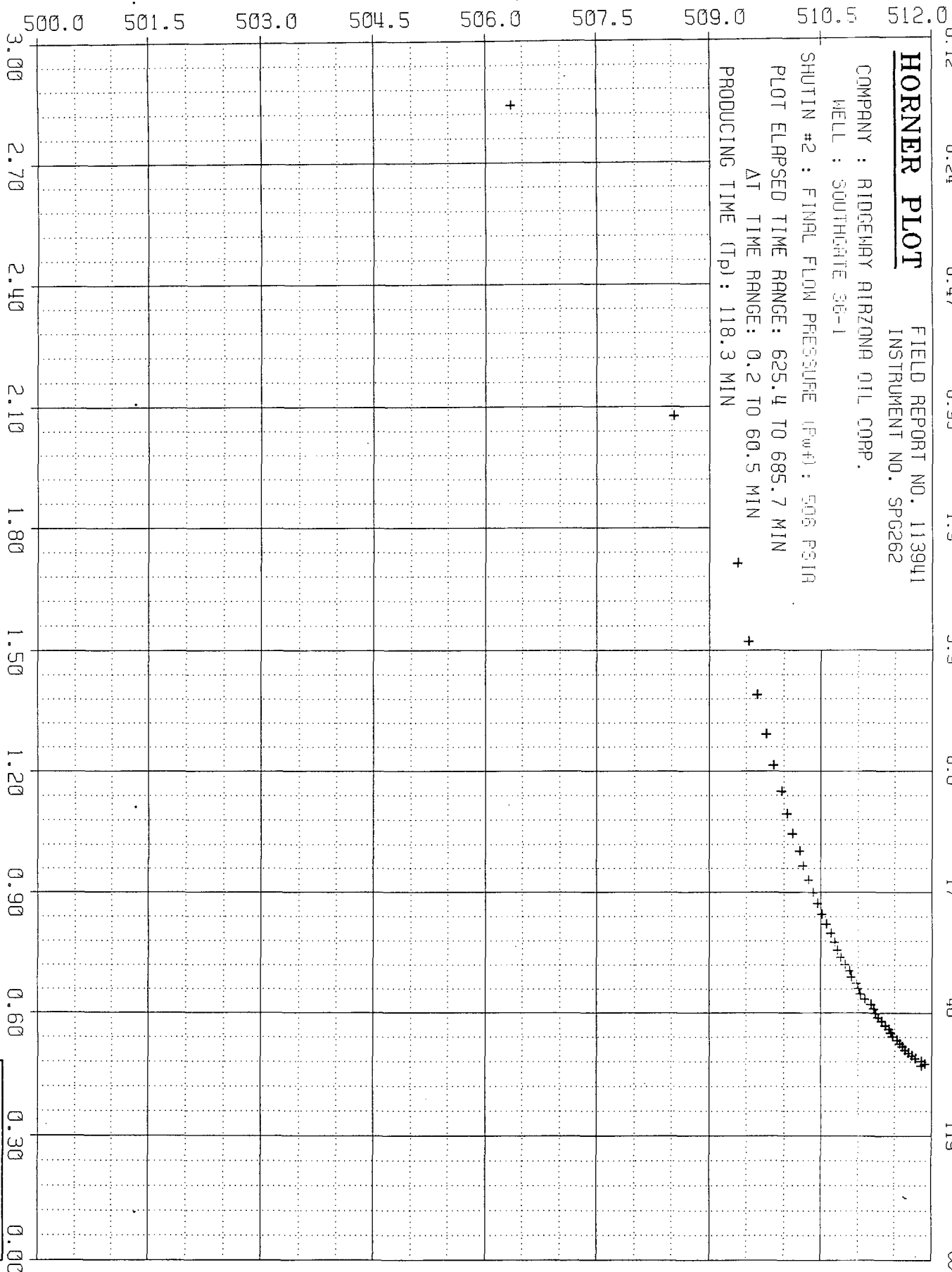
SHUTIN #2 : FINAL FLOW PRESSURE (Pwf) : 506 PSIA

PLOT ELAPSED TIME RANGE: 625.4 TO 685.7 MIN

ΔT TIME RANGE: 0.2 TO 60.5 MIN

PRODUCING TIME (Tp) : 118.3 MIN

LOG [(Tp+ΔT) / ΔT]

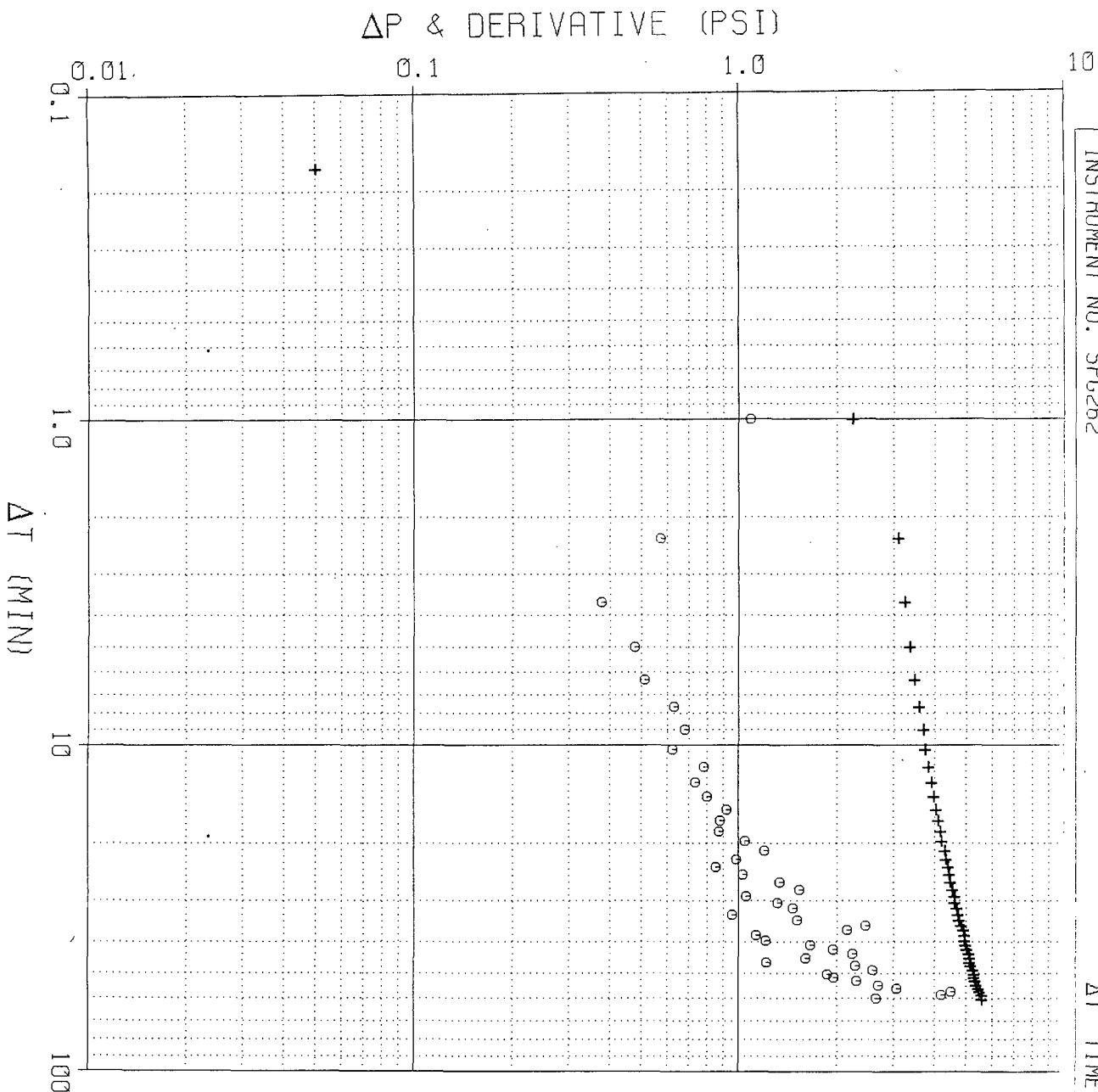


Schlumberger

LOG LOG PLOT

COMPANY : RIDGEMAY AIRZONA OIL CORP.
WELL : SOUTHGATE 36-1
FIELD REPORT NO. 113941
INSTRUMENT NO. SPG262

SHUTIN #2 : PRODUCING TIME (Tp) : 118.3 MIN
FINAL FLOW PRESSURE (Pwf) : 506 PSIA
PLOT ELAPSED TIME RANGE: 625.4 TO 685.7 MIN
ΔT TIME RANGE: 0.2 TO 60.5 MIN



Schlumberger

 ** WELL TEST DATA PRINTOUT **

COMPANY: RIDGEWAY AIRZONA OIL CORP.
 WELL: SOUTHGATE 36-1

FIELD REPORT NO. 113941
 INSTRUMENT NO. SPG262

RECORDER CAPACITY: 20000 PSI PORT OPENING: INSIDE DEPTH: 2302 FT

LABEL POINT INFORMATION

#	TIME OF DAY		DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE	
	HH:MM:SS	DD-MMM				PRESSURE PSIA	TEMP. DEG F
1	9:00:02	12-DEC	HYDROSTATIC MUD		442.03	626.48	109.11
2	9:01:42	12-DEC	START FLOW		443.70	112.54	109.08
3	10:00:42	12-DEC	END FLOW & START SHUT-IN		502.70	457.50	110.53
4	11:01:02	12-DEC	END SHUT-IN		563.03	508.85	110.14
5	11:03:52	12-DEC	START FLOW		565.87	463.64	110.14
6	12:03:12	12-DEC	END FLOW & START SHUT-IN		625.20	506.29	110.37
7	13:03:42	12-DEC	END SHUT-IN		685.70	511.86	110.10
8	13:06:52	12-DEC	HYDROSTATIC MUD		688.87	568.95	110.10

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	443.70	502.70	59.00	112.54	457.50	112.54
2	565.87	625.20	59.33	463.64	506.29	463.64

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	502.70	563.03	60.33	457.50	508.85	457.50	59.00
2	625.20	685.70	60.50	506.29	511.86	506.29	118.33

TEST PHASE: FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
9:01:42	12-DEC	443.70	0.00	109.08	112.54
9:16:42	12-DEC	458.70	15.00	109.71	296.49
9:32:42	12-DEC	474.70	31.00	110.32	382.91
9:48:42	12-DEC	490.70	47.00	110.52	433.39
10:00:42	12-DEC	502.70	59.00	110.53	457.50

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 457.50 PSIA

PRODUCING TIME = 59.00 MIN

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
10:00:42	12-DEC	502.70	0.00	110.53	457.50	0.00	
10:01:42	12-DEC	503.70	1.00	110.55	488.98	31.48	1.7782
10:03:02	12-DEC	505.03	2.33	110.55	499.98	42.48	1.4203
10:04:22	12-DEC	506.37	3.67	110.55	501.25	43.75	1.2324
10:05:42	12-DEC	507.70	5.00	110.53	502.04	44.54	1.1072
10:07:02	12-DEC	509.03	6.33	110.53	502.66	45.16	1.0137
10:08:22	12-DEC	510.37	7.67	110.52	503.14	45.64	0.9391
10:09:42	12-DEC	511.70	9.00	110.52	503.58	46.08	0.8783
10:11:02	12-DEC	513.03	10.33	110.50	503.89	46.39	0.8268
10:13:42	12-DEC	515.70	13.00	110.46	504.52	47.02	0.7434
10:16:22	12-DEC	518.37	15.67	110.43	505.08	47.58	0.6781
10:19:02	12-DEC	521.03	18.33	110.39	505.50	48.00	0.6252
10:21:42	12-DEC	523.70	21.00	110.37	505.90	48.40	0.5809
10:24:22	12-DEC	526.37	23.67	110.34	506.25	48.75	0.5431
10:27:02	12-DEC	529.03	26.33	110.30	506.56	49.06	0.5107
10:29:42	12-DEC	531.70	29.00	110.28	506.90	49.40	0.4821
10:32:22	12-DEC	534.37	31.67	110.26	507.05	49.55	0.4568
10:37:42	12-DEC	539.70	37.00	110.23	507.46	49.96	0.4141
10:43:02	12-DEC	545.03	42.33	110.19	507.90	50.40	0.3791
10:48:22	12-DEC	550.37	47.67	110.17	508.27	50.77	0.3498
10:53:42	12-DEC	555.70	53.00	110.16	508.59	51.09	0.3249
10:59:02	12-DEC	561.03	58.33	110.14	508.82	51.32	0.3035
11:01:02	12-DEC	563.03	60.33	110.14	508.85	51.35	0.2962

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
11:03:52	12-DEC	565.87	0.00	110.14	463.64
11:19:32	12-DEC	581.53	15.66	110.37	484.65
11:35:32	12-DEC	597.53	31.66	110.46	497.41
11:51:32	12-DEC	613.53	47.66	110.43	503.61
12:03:12	12-DEC	625.20	59.33	110.37	506.29

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 506.29 PSIA

PRODUCING TIME = 118.33 MIN

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
12:03:12	12-DEC	625.20	0.00	110.37	506.29	0.00	
12:04:12	12-DEC	626.20	1.00	110.35	508.52	2.23	2.0767
12:05:32	12-DEC	627.53	2.33	110.35	509.37	3.08	1.7142
12:06:52	12-DEC	628.87	3.67	110.34	509.52	3.23	1.5217
12:08:12	12-DEC	630.20	5.00	110.34	509.64	3.35	1.3921
12:09:32	12-DEC	631.53	6.33	110.32	509.76	3.47	1.2943
12:10:52	12-DEC	632.87	7.67	110.32	509.85	3.56	1.2156
12:12:12	12-DEC	634.20	9.00	110.30	509.96	3.67	1.1507
12:13:32	12-DEC	635.53	10.33	110.30	510.04	3.75	1.0953
12:16:12	12-DEC	638.20	13.00	110.28	510.20	3.91	1.0044
12:18:52	12-DEC	640.87	15.67	110.26	510.33	4.04	0.9330
12:21:32	12-DEC	643.53	18.33	110.25	510.45	4.16	0.8725
12:24:12	12-DEC	646.20	21.00	110.23	510.57	4.28	0.8213
12:26:52	12-DEC	648.87	23.67	110.21	510.67	4.38	0.7781
12:29:32	12-DEC	651.53	26.33	110.21	510.76	4.47	0.7399
12:32:12	12-DEC	654.20	29.00	110.19	510.88	4.59	0.7059
12:34:52	12-DEC	656.87	31.67	110.17	510.97	4.68	0.6754
12:40:12	12-DEC	662.20	37.00	110.16	511.17	4.88	0.6211
12:45:32	12-DEC	667.53	42.33	110.16	511.31	5.02	0.5793
12:50:52	12-DEC	672.87	47.67	110.14	511.46	5.17	0.5419
12:56:12	12-DEC	678.20	53.00	110.12	511.63	5.34	0.5096
13:01:32	12-DEC	683.53	58.33	110.12	511.86	5.57	0.4812
13:03:42	12-DEC	685.70	60.50	110.10	511.86	5.57	0.4767

RIDGEWAY ARIZONA OIL CORP.
SOUTHGATE 36-1
TOOL STRING SCHEMATIC

	TOOL DESCRIPTION	OD	ID	LENGTH	DEPTH
	DRILL PIPE	4.5	3.80	1702.	1702
	DRILL COLLARS	6.25	2.25	358.	2060
	REVERSE SUB PUMP OUT	6.0	3.12	1.15	2061.15
	DRILL COLLARS	6.25	2.25	60.	2121.15
	REVERSE SUB PIN TYPE	6.0	3.12	1.14	2122.29
	DRILL COLLARS	6.25	2.25	60.	2182.29
	CROSS OVER SUB	6.0	2.25	.69	2182.98
	MFE (MFE-B)	5.0	0.94	9.62	2192.6
	MFE OH BYPASS (MFE-B)	5.0	1.18	2.98	2195.58
	ELECTRONIC-GAUGE 0262	4.875	1.18	7.75	2203.33
	RECORDER J-200 J-1043	4.875	1.18	6.0	2209.33
	TR HYDRALIC JAR (FJAR-B)	4.75	1.88	7.31	2216.64
	SAFTEY JOINT	4.75	2.25	1.97	2218.61
	SAFTEY SEAL (SAFS-T)	6.0	1.5	4.90	2223.51
	BOB TAIL PACKER	7.0	1.5	4.05	2227.56
	BOB TAIL PACKER	7.0	1.5	6.23	2233.79
	PERFORATED ANCOR	4.75	2.0	6.0	2239.79
	RECORDER J-200 J-1243	4.875	1.18	6.0	2245.79
	PERFORATED ANCOR	4.75	2.0	13.0	2258.79

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Test Number: 1
Test Date: 12-DEC-1997

