

PERSONAL & CONFIDENTIAL

FLOPETROL JOHNSTON

Schlumberger

**computerized
data
analysis**

Teleflow Test System

FIELD REPORT #54048E

COMPANY AMOCO PRODUCTION COMPANY WELL (MORROW) SALMAN RANCH A#1 TEST NO. 1 5220' TO 5460' COUNTY MORA STATE NEW MEXICO

COMPUTERIZED DATA ANALYSIS

SEPTEMBER 25, 1984

GENTLEMEN:

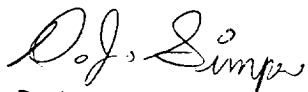
THE FOLLOWING IS AN ANALYSIS OF THE DRILLSTEM TEST ON THE MORROW FORMATION OF THE SALMAN RANCH A#1. AN AVERAGE TEST FLOW RATE OF 349 BHPD WAS FOUND USING TOTAL FLOW TIME AND LIQUID RECOVERY. THIS LIQUID RATE WAS COMPOSED OF 100% WATER WITH 1900 PPM CLORIDES.

THIS SYSTEM BEHAVES AS A HOMOGENEOUS RESERVOIR WITH WELLBORE STORAGE. A PERMEABILITY-THICKNESS (KH) OF 121.54 MD-FT WAS FOUND FOR THE REPORTED 12 FOOT NET INTERVAL, GIVING A PERMEABILITY (K) OF 10.13 MD. EFFECTIVE TO TOTAL LIQUID. A SKIN NUMBER OF -2.81 WAS CALCULATED, INDICATING THAT WELLBORE STIMULATION WAS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST.

A RESERVOIR PRESSURE OF 2314 PSIA WAS FOUND FROM THE EXTRAPOLATION OF THE INITIAL SHUT-IN PERIOD. EXTRAPOLATION OF THE FINAL SHUT-IN YIELDED A PRESSURE OF 2317 PSIA. THESE VALUES ARE AT A GAUGE DEPTH OF 5188 FT.

NODAL ANALYSIS OF THE WELL TEST DATA WAS NOT RUN DUE TO THE TYPE OF FLUID PRODUCED.

RESERVOIR PRESSURE	=	2317 PSIA
PERMEABILITY-THICKNESS	=	121.54 MD-FT
PERMEABILITY	=	10.13 MD
SKIN NUMBER	=	-2.81
RADIUS OF INVESTIGATION	=	259 FT
VISCOSITY	=	0.88 CP
TOTAL COMPRESSIBILITY	=	4.0E-06 PSI ⁻¹
FORMATION VOLUME FACTOR	=	1.0
POROSITY	=	10 %



D.J. SIMPER
MANAGER MIDLAND
RESERVOIR DEPARTMENT

AMOCO PRODUCTION COMPANY
SALMAN RANCH A#1; TEST #1
5220' TO 5460'
MORA COUNTY, NEW MEXICO

DJS/JC

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

CLIENT : AMOCO PRODUCT
REGION : Mid-Cont
DISTRICT: Hobbs
BASE : Midland
Engr : D.J. Simper

CO.

510482 DST 1

HORNER PLOT

INITIAL SHUTIN

PAGE: .

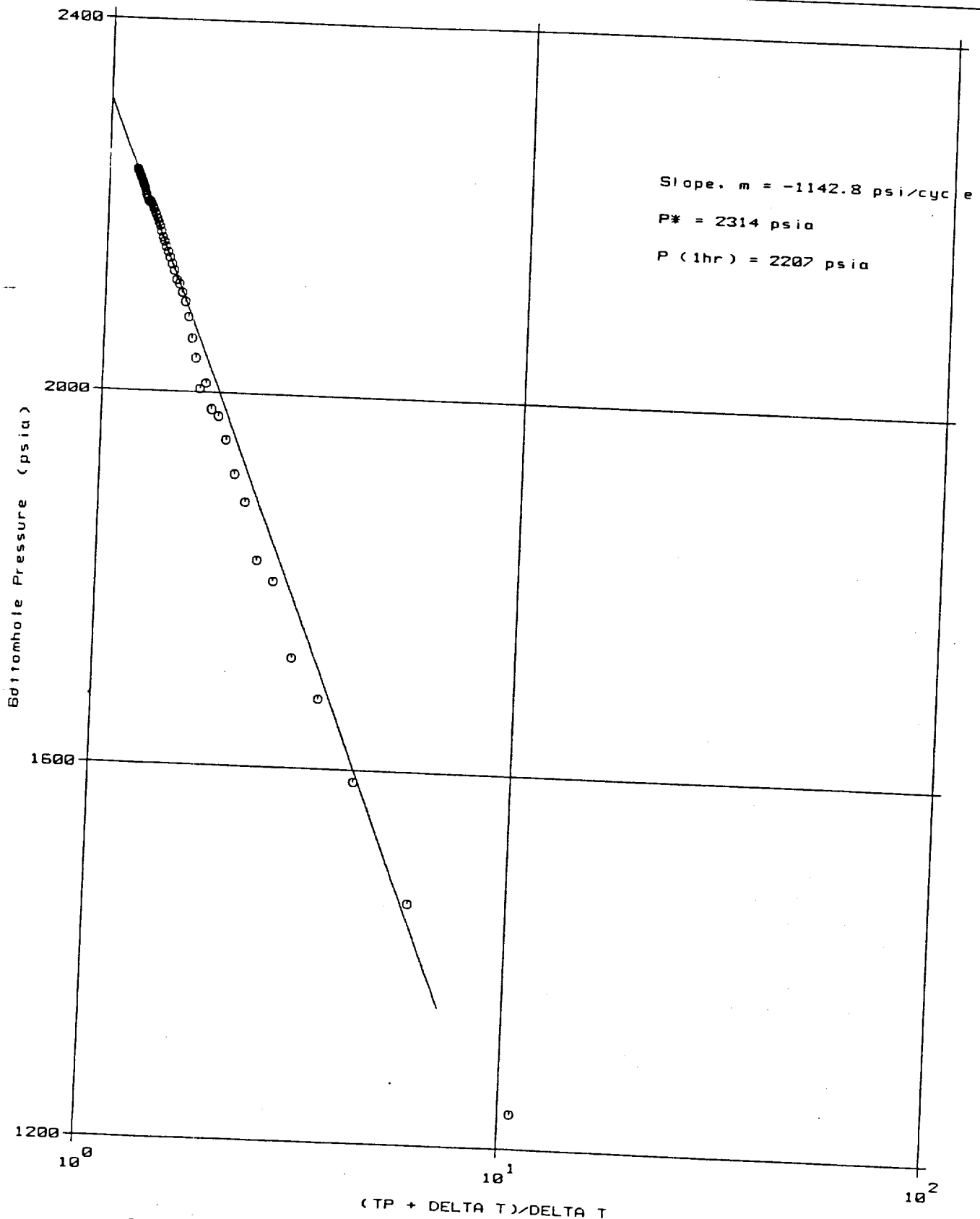
25-SEP-84

Field: Wildcat

Zone : Morrow

Well : Salman Rch A#1

Location: 03/20n/17e

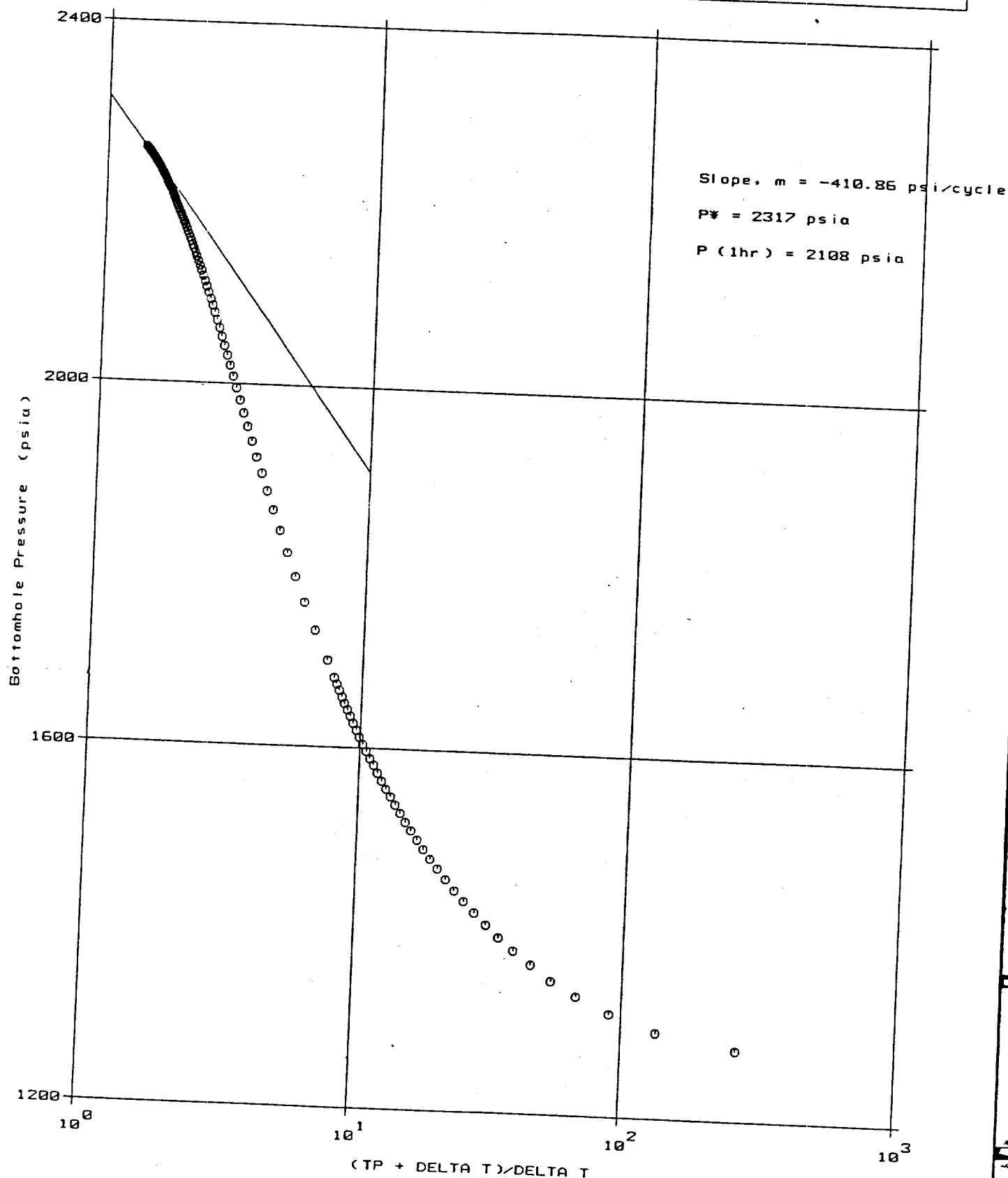


ISI data from recorder #J300-2066 at 5188 ft.. $P_{wf} = 496 \text{ psia}$.
HORNER PLOT: Production Time = 14.50

RM# 11.00-010284

FLOPETROL JOHNSTON
SCHLUMBERGER

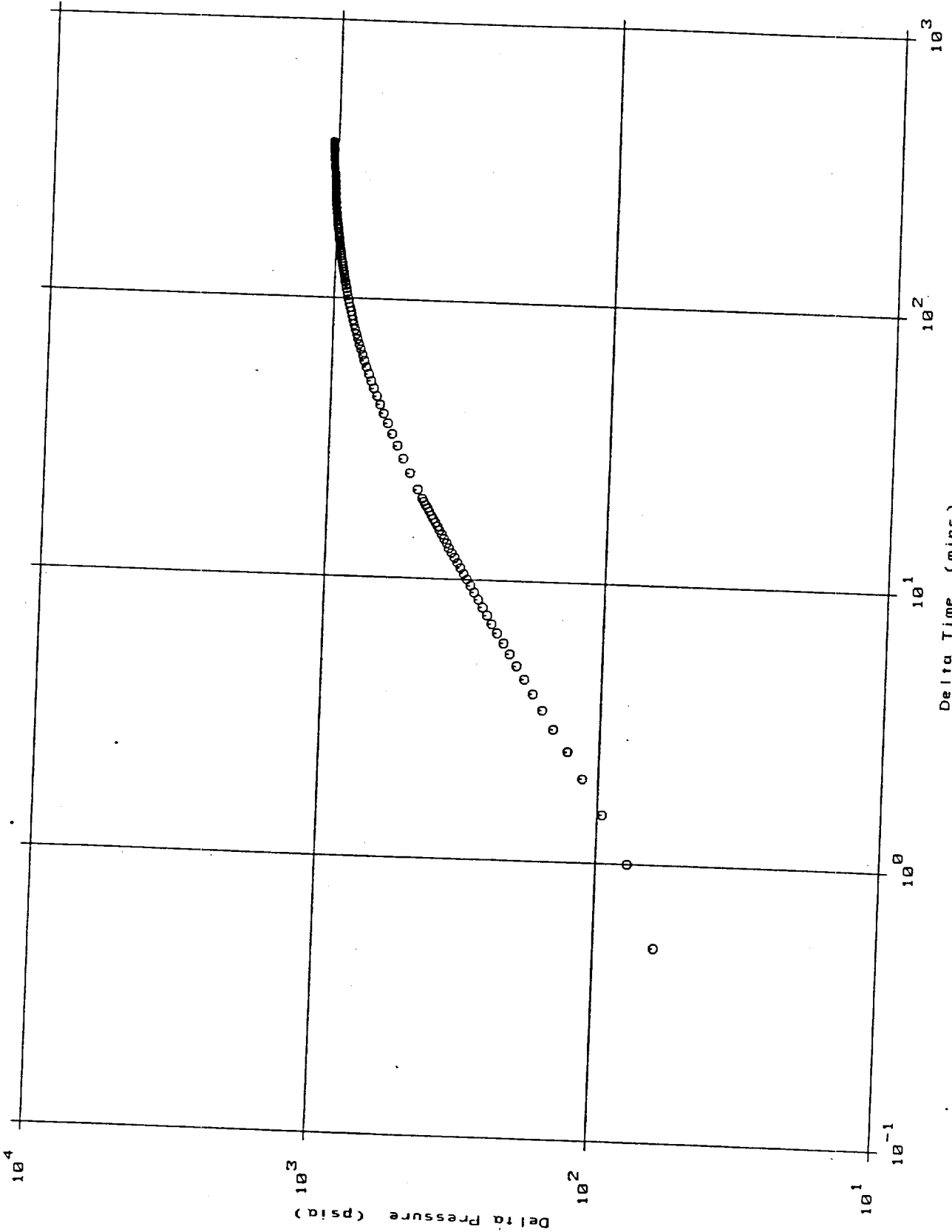
CLIENT : AMOCO PRODUCT (	CO.	PAGE: 25-SEP-84
REGION : Mid-Cont	HORNER PLOT FINAL SHUTIN	Field: Wildcat
DISTRICT: Hobbs		Zone : Morrow
BASE : Midland		Well : Salman Rch A#1
Engr : D.J. Simper		Location: 03/20n/17e



FSI data from recorder #J300-2066 at 5188 ft., $P_{wf} = 1217$ psia.
 HORNER PLOT: Production Time = 133.5

FLOPETROL JOHNSTON
 SCHLUMBERGER

CLIENT : AMOCO PRODUCTION CO.		REPORT #: 54048E DST 1	PAGE: 25-SEP-84
REGION : Mid-Cont	DISTRICT: Hobbs	LOG-LOG PLOT	Field: Wildcat
BASE : Midland	Engr : D.J. Simper	FINAL SHUTIN	Zone : Morrow
			Well : Salman Rch A#1
			Location: 03/20n/17e



FSI data from recorder #J300-2066 at 5188 ft., Pwf = 1217 psia.

 * TEST TICKET DATA PRINTOUT *

IDENTIFICATION

1. WELL	:	SALMAN RANCH AH1
2. COMPANY	:	AMOCO PRODUCTION COMPANY
3.	:	F.O. BOX 68
4.	:	HOBBS, NEW MEXICO 88240
5. CUSTOMER	:	SAME
6.	:	
7.	:	
8. FIELD	:	WILDCAT
9. COUNTY	:	MORA
10. STATE/PROV.	:	NEW MEXICO
11. LOCATION	:	SEC.3/TWN.20N/RGE.17E
12. TECHNICIAN	:	MILLONIG (HOBBS)
13. TEST APPROVED BY	:	MR. PAUL LANCE
14. TEST DATE	:	9-18-84
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	

INFORMATION

1. THE HOLE IS STRAIGHT.	
2. TOTAL DEPTH	: 5460. FT
3. OPEN HOLE DIAMETER	: 8.75 IN

FORMATION

1. MUD TYPE	:	LSND
2. MUD WEIGHT	:	8.9 LB/GAL
3. MUD VISCOSITY	:	34. MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	:	14.0 CC/30 MIN
5. MUD RESISTIVITY	:	1.30 OHM-M
6. MUD RES. MEAS. TEMP.	:	75.0 DEG F
7. MUD FILTRATE RESISTIVITY	:	OHM-M
8. MUD FILT. RES. MEAS. TEMP.	:	DEG F
9. MUD CHLORIDES CONTENT	:	400.0 PPM BY WEIGHT

 * TEST TICKET DATA PRINTOUT *

TEST INFORMATION

1. FIELD REPORT NUMBER : 54048E
 2. TEST TYPE : MFE OPEN HOLE
 3. TEST NUMBER : 1
 4. TELEFLOW IN USE ? : YES
 5. SSDR OR J-300 IN USE ? : YES
 6. SPRO IN USE ? : NO
 7. PTSDL IN USE ? : NO

ST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE		FLOW PATH LENGTH (FT)
		I.D. (IN)	O.D. (IN)	
1	DRILL PIPE	3.83	4.50	4638.
2	DRILL COLLARS	2.25	6.25	535.
3	TOOL STRING	0.94	5.00	287.

ST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM
 2. PACKER DEPTHS

: 5214. FT & 5220. FT

T ZONE DESCRIPTION

FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE	
			THICKNESS (FT)	POROSITY (%)
MORROW			12.	10.

T CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.94 IN

 * TEST TICKET DATA PRINTOUT *

ST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 20. PSIG
 OIL GRAVITY : DEG. API @ DEG F
 GAS/OIL RATIO : FT3/8BL
 GAS/LIQUID RATIO : FT3/8BL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY	CHLORIDES
GAS	FT3		
OIL	CC		
WATER	2360.0 CC	1.40 OHM-M @ 55.0 DEG F	1900. PPM
MUD	CC	OHM-M @ DEG F	
TOTAL LIQUID	2360.0 CC		

OVERY INFORMATION

DESCRIPTION	FEET	% OIL	% H2O	API DEG.	RESISTIVITY OHM-M	CHL PPM
RILLING FLUID	623				1.30	400.
ATER/MUD CUT	1986				0.30	1900.

FACE INFORMATION

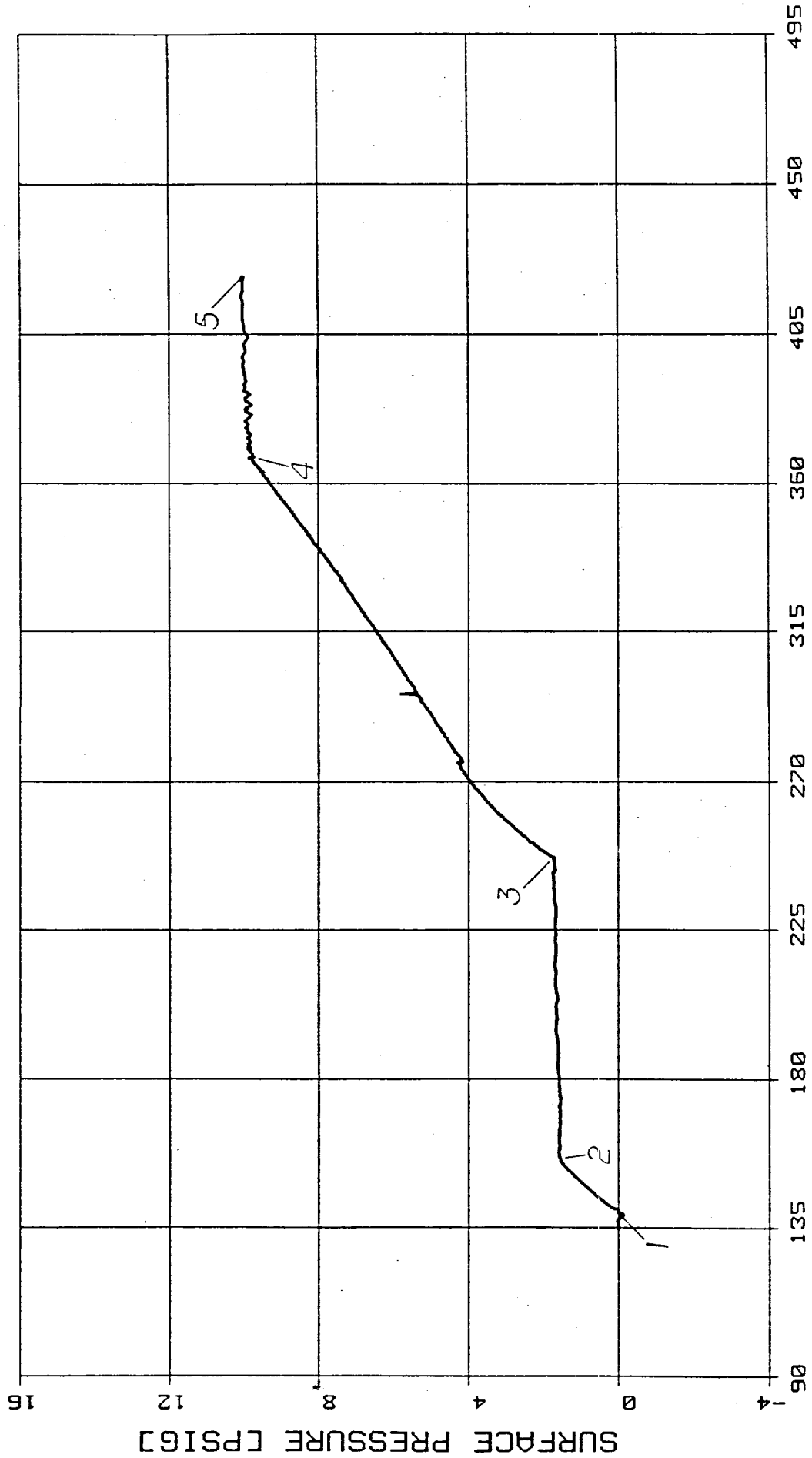
DESCRIPTION	TIME	PRESSURE	CHCKE SIZE
SET PACKER (9-18-840	0624	-	-
OPENED TOOL	0626	-	CLOSED
CLOSED FOR INITIAL SHUT-IN	0641	1.5 #	CHAMBER
FINISHED SHUT-IN	0641	-	-
RE-OPENED TOOL	0811	-	-
	0813	1.5 #	"
	0819	2.0 #	"
	0823	2.5 #	"
	0828	3.0 #	"
	0835	3.5 #	"
	0840	4.0 #	"
	0904	5.5 #	"
	0914	6.0 #	"
	0943	8.0 #	"
	0955	8.5 #	"

* TEST TICKET DATA PRINTOUT *

	DESCRIPTION	TIME	PRESSURE	CHOKESIZE
16		1000	9.0 #	"
17		1011	9.5 #	"
18	CLOSED FOR FINAL SHUT-IN	1013	-	-
19	FINISHED SHUT-IN	1013	-	-
20	PULLED PACKER LOOSE	1025	-	-
21	STARTED REVERSING OUT	1052	400	1"
22	FINISHED REVERSING OUT	1725	-	-

SURFACE PRESSURE LOG

FIELD REPORT NO. 54048E COMPANY : AMOCO PROD. CO.
WELL : SALMAN RANCH A#1



(.....)
 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 54048E

COMPANY : AMOCO PROD. CO.
 WELL : SALMAN RANCH A#1

INSTRUMENT # :
 CAPACITY [PSI] : 5000.

PORT OPENING : INSIDE
 TELEFLOW

MNEMONICS : ET = ELAPSED TIME [MIN]
 PS = SURFACE PRESSURE [PSIG]

#	CODE	EXPLANATION	ET	PS
1	2	START FLOW	140.75	0.13
2	6	END FLOW & START SHUT-IN	155.25	1.55
3	8	END SHUT-IN & START FLOW	247.00	1.72
4	6	END FLOW & START SHUT-IN	367.75	9.81
5	5	END DATA ACQUISITION	422.00	10.02

ET	PS	ET	PS	ET	PS
*****	*****	*****	*****	*****	*****
134.50	0.00	148.25	0.96	162.00	1.59
134.75	0.00	148.50	0.98	162.25	1.58
135.00	0.01	148.75	1.00	162.50	1.59
135.25	0.00	149.00	1.02	162.75	1.57
135.50	0.00	149.25	1.05	163.00	1.60
135.75	0.00	149.50	1.06	163.25	1.55
136.00	0.02	149.75	1.08	163.50	1.58
136.25	-0.01	150.00	1.11	163.75	1.57
136.50	0.00	150.25	1.13	164.00	1.58
136.75	0.01	150.50	1.14	164.25	1.57
137.00	0.03	150.75	1.19	164.50	1.57
137.25	0.00	151.00	1.22	164.75	1.59
137.50	0.01	151.25	1.22	165.00	1.57
137.75	-0.03	151.50	1.24	165.25	1.57
138.00	-0.11	151.75	1.28	165.50	1.56
138.25	-0.13	152.00	1.29	165.75	1.57
138.50	-0.14	152.25	1.31	166.00	1.57
138.75	-0.13	152.50	1.34	166.25	1.57
139.00	-0.14	152.75	1.36	166.50	1.56
139.25	-0.12	153.00	1.38	166.75	1.57
139.50	0.00	153.25	1.40	167.00	1.56
139.75	0.00	153.50	1.42	167.25	1.56
140.00	0.00	153.75	1.43	167.50	1.57
140.25	0.00	154.00	1.48	167.75	1.57
140.50	-0.01	154.25	1.49	168.00	1.57
140.75	0.13 #1	154.50	1.49	168.25	1.56
141.00	0.15	154.75	1.49	168.50	1.56
141.25	0.19	155.00	1.52	168.75	1.56
141.50	0.21	155.25	1.55 #2	169.00	1.56
141.75	0.27	155.50	1.55	169.25	1.57
142.00	0.30	155.75	1.56	169.50	1.55
142.25	0.31	156.00	1.55	169.75	1.57
142.50	0.35	156.25	1.57	170.00	1.57
142.75	0.38	156.50	1.57	170.25	1.58
143.00	0.40	156.75	1.59	170.50	1.56
143.25	0.41	157.00	1.59	170.75	1.56
143.50	0.46	157.25	1.57	171.00	1.56
143.75	0.48	157.50	1.58	171.25	1.57
144.00	0.51	157.75	1.60	171.50	1.56
144.25	0.55	158.00	1.59	171.75	1.59
144.50	0.55	158.25	1.59	172.00	1.57
144.75	0.62	158.50	1.59	172.25	1.55
145.00	0.62	158.75	1.60	172.50	1.57
145.25	0.63	159.00	1.56	172.75	1.55
145.50	0.66	159.25	1.58	173.00	1.55
145.75	0.69	159.50	1.58	173.25	1.56
146.00	0.73	159.75	1.57	173.50	1.55
146.25	0.75	160.00	1.57	173.75	1.56
146.50	0.76	160.25	1.56	174.00	1.57
146.75	0.79	160.50	1.56	174.25	1.53
147.00	0.82	160.75	1.58	174.50	1.57
147.25	0.86	161.00	1.58	174.75	1.56
147.50	0.87	161.25	1.57	175.00	1.58
147.75	0.89	161.50	1.59	175.25	1.55
148.00	0.91	161.75	1.59	175.50	1.57

ET	PS	ET	PS	ET	PS
*****	*****	*****	*****	*****	*****
175.75	1.56	244.00	1.70	256.75	2.86
176.00	1.57	244.08	1.70	257.00	2.87
176.25	1.59	244.17	1.70	257.25	2.92
176.50	1.58	244.25	1.71	257.50	2.94
176.75	1.57	244.33	1.70	257.75	2.93
177.00	1.57	244.42	1.70	258.00	2.97
177.25	1.58	244.50	1.71	258.25	3.02
177.50	1.59	244.75	1.70	258.50	3.03
177.75	1.57	245.00	1.70	258.75	3.06
178.00	1.59	245.25	1.70	259.00	3.08
180.00	1.58	245.50	1.72	259.25	3.09
182.00	1.61	245.75	1.72	259.50	3.13
184.00	1.62	246.00	1.71	259.75	3.13
186.00	1.61	246.25	1.73	260.00	3.18
188.00	1.61	246.50	1.73	260.25	3.20
190.00	1.61	246.75	1.71	260.50	3.23
192.00	1.64	247.00	1.72	260.75	3.25
194.00	1.67	247.25	1.81	261.00	3.27
196.00	1.66	247.50	1.84	261.25	3.30
198.00	1.65	247.75	1.87	261.50	3.30
200.00	1.66	248.00	1.90	261.75	3.33
202.00	1.67	248.25	1.95	262.00	3.34
204.00	1.62	248.50	1.97	262.25	3.38
206.00	1.66	248.75	2.00	262.50	3.38
208.00	1.68	249.00	2.03	262.75	3.39
210.00	1.68	249.25	2.07	263.00	3.43
212.00	1.67	249.50	2.11	263.25	3.44
214.00	1.70	249.75	2.11	263.50	3.47
216.00	1.69	250.00	2.16	263.75	3.50
218.00	1.67	250.25	2.18	264.00	3.51
220.00	1.67	250.50	2.21	264.25	3.53
222.00	1.68	250.75	2.24	264.50	3.55
224.00	1.67	251.00	2.28	264.75	3.57
226.00	1.69	251.25	2.25	265.00	3.57
228.00	1.69	251.50	2.32	265.25	3.59
230.00	1.68	251.75	2.38	265.50	3.61
232.00	1.67	252.00	2.39	265.75	3.63
234.00	1.71	252.25	2.41	266.00	3.65
236.00	1.71	252.50	2.43	266.25	3.67
238.00	1.73	252.75	2.45	266.50	3.69
240.00	1.73	253.00	2.47	266.75	3.71
242.08	1.76	253.25	2.50	267.00	3.74
242.33	1.73	253.50	2.53	267.25	3.74
242.50	1.75	253.75	2.56	267.50	3.76
242.58	1.75	254.00	2.57	267.75	3.79
242.67	1.74	254.25	2.62	268.00	3.81
242.75	1.69	254.50	2.64	268.25	3.84
242.83	1.70	254.75	2.65	268.50	3.84
243.08	1.69	255.00	2.68	268.75	3.87
243.42	1.69	255.25	2.72	269.00	3.88
243.50	1.68	255.50	2.74	269.25	3.90
243.58	1.69	255.75	2.76	269.50	3.91
243.67	1.71	256.00	2.78	269.75	3.92
243.75	1.70	256.25	2.80	270.00	3.92
243.83	1.69	256.50	2.83	270.25	3.93

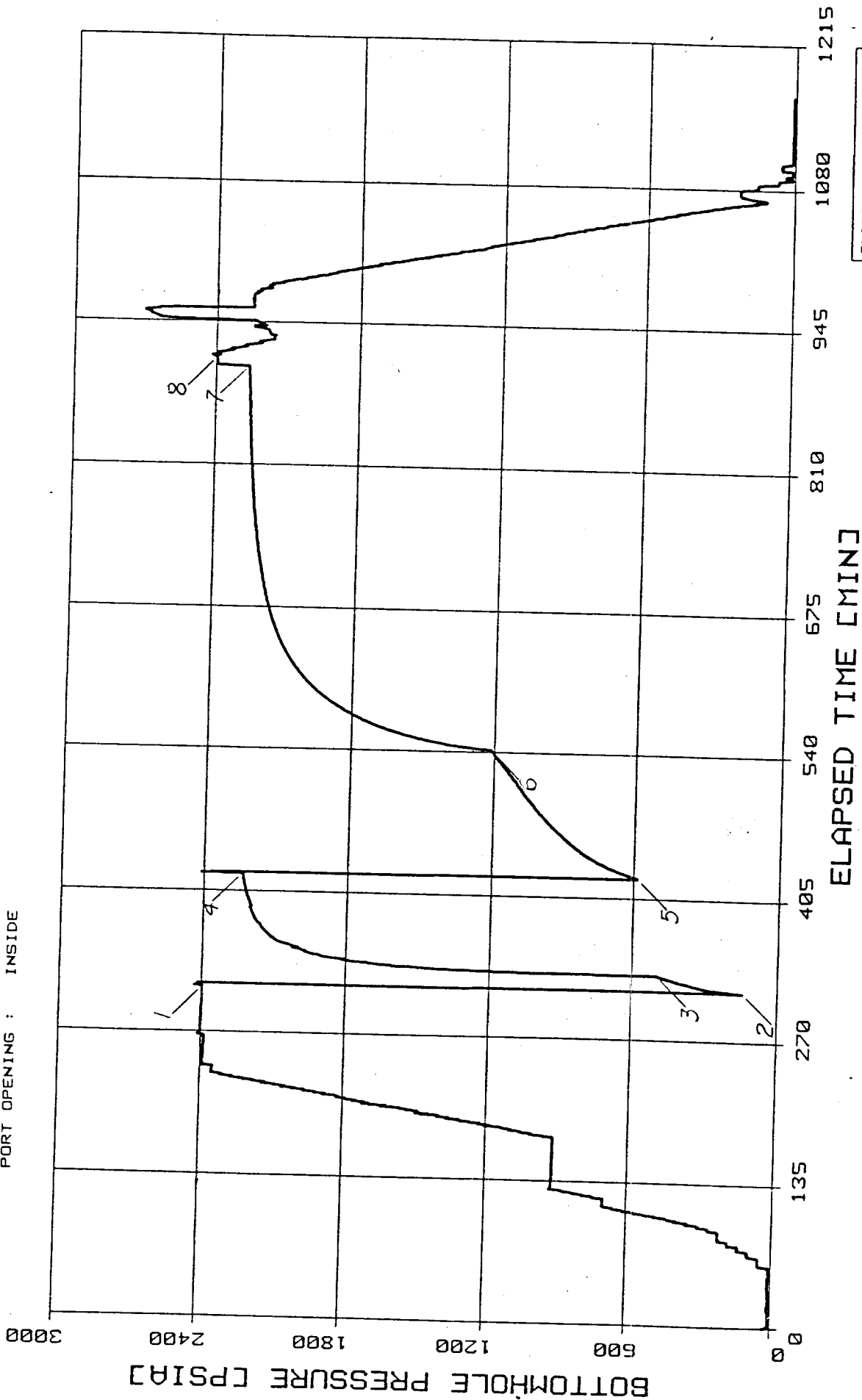
ET	PS	ET	PS	ET	PS
*****	*****	*****	*****	*****	*****
270.50	3.98	284.25	4.65	298.00	5.43
270.75	3.99	284.50	4.65	298.25	5.44
271.00	4.00	284.75	4.66	298.50	5.46
271.25	4.03	285.00	4.70	298.75	5.47
271.50	4.04	285.25	4.70	299.00	5.50
271.75	4.06	285.50	4.72	299.25	5.50
272.00	4.08	285.75	4.72	299.50	5.52
272.25	4.10	286.00	4.75	299.75	5.53
272.50	4.09	286.25	4.77	300.00	5.56
272.75	4.13	286.50	4.77	300.25	5.58
273.00	4.12	286.75	4.80	300.50	5.61
273.25	4.13	287.00	4.81	300.75	5.61
273.50	4.16	287.25	4.83	301.00	5.62
273.75	4.18	287.50	4.86	301.25	5.63
274.00	4.21	287.75	4.84	301.50	5.65
274.25	4.22	288.00	4.87	301.75	5.66
274.50	4.21	288.25	4.87	302.00	5.68
274.75	4.23	288.50	4.89	302.25	5.71
275.00	4.24	288.75	4.90	302.50	5.70
275.25	4.25	289.00	4.92	302.75	5.74
275.50	4.27	289.25	4.94	303.00	5.75
275.75	4.30	289.50	4.95	303.25	5.74
276.00	4.14	289.75	4.95	303.50	5.77
276.25	4.15	290.00	4.97	303.75	5.77
276.50	4.19	290.25	4.98	304.00	5.80
276.75	4.18	290.50	5.00	304.25	5.82
277.00	4.21	290.75	5.01	304.50	5.85
277.25	4.20	291.00	5.03	304.75	5.84
277.50	4.23	291.25	5.05	305.00	5.86
277.75	4.26	291.50	5.06	305.25	5.89
278.00	4.27	291.75	5.07	305.50	5.90
278.25	4.29	292.00	5.09	305.75	5.90
278.50	4.31	292.25	5.13	306.00	5.91
278.75	4.32	292.50	5.14	306.25	5.92
279.00	4.36	292.75	5.14	306.50	5.95
279.25	4.35	293.00	5.15	306.75	5.98
279.50	4.35	293.25	5.16	307.00	5.97
279.75	4.39	293.50	5.19	307.25	5.99
280.00	4.39	293.75	5.22	307.50	6.01
280.25	4.43	294.00	5.23	307.75	6.01
280.50	4.41	294.25	5.26	308.00	6.03
280.75	4.42	294.50	5.22	308.25	6.04
281.00	4.45	294.75	5.24	308.50	6.05
281.25	4.47	295.00	5.28	308.75	6.07
281.50	4.48	295.25	5.30	309.00	6.09
281.75	4.50	295.50	5.29	309.25	6.09
282.00	4.50	295.75	5.32	309.50	6.11
282.25	4.54	296.00	5.36	309.75	6.13
282.50	4.54	296.25	5.42	310.00	6.16
282.75	4.56	296.50	5.81	310.25	6.17
283.00	4.56	296.75	5.36	310.50	6.18
283.25	4.58	297.00	5.38	310.75	6.19
283.50	4.59	297.25	5.41	311.00	6.22
283.75	4.63	297.50	5.40	311.25	6.21
284.00	4.63	297.75	5.42	311.50	6.26

ET	PS	ET	PS	ET	PS
*****	*****	*****	*****	*****	*****
311.75	6.28	325.50	7.08	339.25	7.93
312.00	6.28	325.75	7.09	339.50	7.95
312.25	6.28	326.00	7.10	339.75	7.93
312.50	6.30	326.25	7.12	340.00	7.95
312.75	6.31	326.50	7.14	340.25	7.97
313.00	6.34	326.75	7.16	340.50	8.00
313.25	6.35	327.00	7.18	340.75	8.02
313.50	6.35	327.25	7.20	341.00	8.03
313.75	6.36	327.50	7.22	341.25	8.06
314.00	6.39	327.75	7.21	341.50	8.07
314.25	6.43	328.00	7.23	341.75	8.12
314.50	6.42	328.25	7.26	342.00	8.11
314.75	6.44	328.50	7.26	342.25	8.13
315.00	6.44	328.75	7.27	342.50	8.15
315.25	6.46	329.00	7.29	342.75	8.14
315.50	6.47	329.25	7.28	343.00	8.16
315.75	6.49	329.50	7.30	343.25	8.18
316.00	6.50	329.75	7.33	343.50	8.20
316.25	6.52	330.00	7.35	343.75	8.20
316.50	6.54	330.25	7.35	344.00	8.25
316.75	6.55	330.50	7.39	344.25	8.24
317.00	6.55	330.75	7.36	344.50	8.28
317.25	6.59	331.00	7.40	344.75	8.26
317.50	6.61	331.25	7.41	345.00	8.30
317.75	6.61	331.50	7.41	345.25	8.30
318.00	6.64	331.75	7.43	345.50	8.31
318.25	6.64	332.00	7.45	345.75	8.34
318.50	6.67	332.25	7.46	346.00	8.33
318.75	6.69	332.50	7.48	346.25	8.36
319.00	6.70	332.75	7.49	346.50	8.38
319.25	6.70	333.00	7.51	346.75	8.41
319.50	6.75	333.25	7.50	347.00	8.42
319.75	6.76	333.50	7.56	347.25	8.44
320.00	6.75	333.75	7.56	347.50	8.46
320.25	6.76	334.00	7.57	347.75	8.48
320.50	6.76	334.25	7.60	348.00	8.50
320.75	6.81	334.50	7.62	348.25	8.50
321.00	6.82	334.75	7.63	348.50	8.52
321.25	6.84	335.00	7.64	348.75	8.54
321.50	6.84	335.25	7.65	349.00	8.55
321.75	6.86	335.50	7.68	349.25	8.58
322.00	6.88	335.75	7.67	349.50	8.58
322.25	6.88	336.00	7.69	349.75	8.60
322.50	6.88	336.25	7.72	350.00	8.61
322.75	6.92	336.50	7.73	350.25	8.62
323.00	6.92	336.75	7.74	350.50	8.65
323.25	6.95	337.00	7.78	350.75	8.67
323.50	6.96	337.25	7.79	351.00	8.67
323.75	6.96	337.50	7.80	351.25	8.69
324.00	7.00	337.75	7.82	351.50	8.71
324.25	7.02	338.00	7.83	351.75	8.73
324.50	7.02	338.25	7.85	352.00	8.75
324.75	7.05	338.50	7.87	352.25	8.76
325.00	7.07	338.75	7.89	352.50	8.76
325.25	7.08	339.00	7.92	352.75	8.78

ET	PS	ET	PS	ET	PS
*****	*****	*****	*****	*****	*****
353.00	8.80	364.75	9.61	378.00	9.87
353.25	8.84	365.00	9.62	379.00	9.98
353.50	8.84	365.25	9.62	380.00	9.89
353.75	8.86	365.50	9.66	381.00	9.78
354.00	8.88	365.75	9.68	382.00	9.96
354.25	8.91	366.00	9.71	383.00	9.96
354.50	8.93	366.25	9.72	384.00	9.78
354.75	8.93	366.50	9.74	385.00	9.95
355.00	8.96	366.75	9.74	386.00	9.96
355.25	8.97	367.00	9.77	387.00	9.82
355.50	9.00	367.25	9.78	388.00	10.00
355.75	9.01	367.50	9.77	389.00	9.97
356.00	9.02	367.75	9.81	390.00	9.99
356.25	9.05	368.00	9.87	391.00	9.94
356.50	9.06	368.25	9.71	392.00	9.97
356.75	9.08	368.50	9.75	393.00	9.98
357.00	9.10	368.75	9.76	394.00	9.99
357.25	9.13	369.00	9.77	395.00	10.02
357.50	9.13	369.25	9.79	396.00	10.02
357.75	9.14	369.50	9.80	397.00	10.01
358.00	9.16	369.75	9.84	398.00	10.03
358.25	9.16	370.00	9.79	399.00	10.02
358.50	9.19	370.25	9.83	400.00	9.95
358.75	9.21	370.50	9.90	402.00	10.01
359.00	9.24	370.75	9.79	404.00	9.88
359.25	9.25	371.00	9.87	406.00	10.00
359.50	9.26	371.25	9.89	408.00	10.02
359.75	9.28	371.50	9.84	410.00	10.05
360.00	9.31	371.75	9.86	412.00	10.05
360.25	9.31	372.00	9.88	414.00	10.02
360.50	9.33	372.25	9.86	416.00	10.07
360.75	9.34	372.50	9.81	418.00	10.03
361.00	9.35	372.75	9.85	420.00	10.03
361.25	9.36	373.00	9.85	421.00	10.02
361.50	9.39	373.25	9.85	421.08	10.08
361.75	9.41	373.50	9.85	421.17	10.04
362.00	9.42	373.75	9.91	421.25	10.02
362.25	9.45	374.00	9.88	421.33	10.04
362.50	9.49	374.25	9.88	421.42	10.07
362.75	9.48	374.50	9.81	421.50	10.02
363.00	9.50	374.75	9.79	421.58	10.03
363.25	9.50	375.00	9.84	421.67	10.01
363.50	9.52	375.25	9.82	421.75	10.00
363.75	9.54	375.50	9.91	421.83	10.04
364.00	9.56	375.75	9.90	421.92	10.03
364.25	9.56	376.00	9.87	422.00	10.02
364.50	9.57	377.00	9.95		

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 54048E COMPANY : AMOCO PROD. CO.
INSTRUMENT NO. J2066 WELL : SALMAN RANCH A#1
DEPTH : 5188 FT J-300
CAPACITY : 10000 PSI
PORT OPENING : INSIDE



BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 54048E

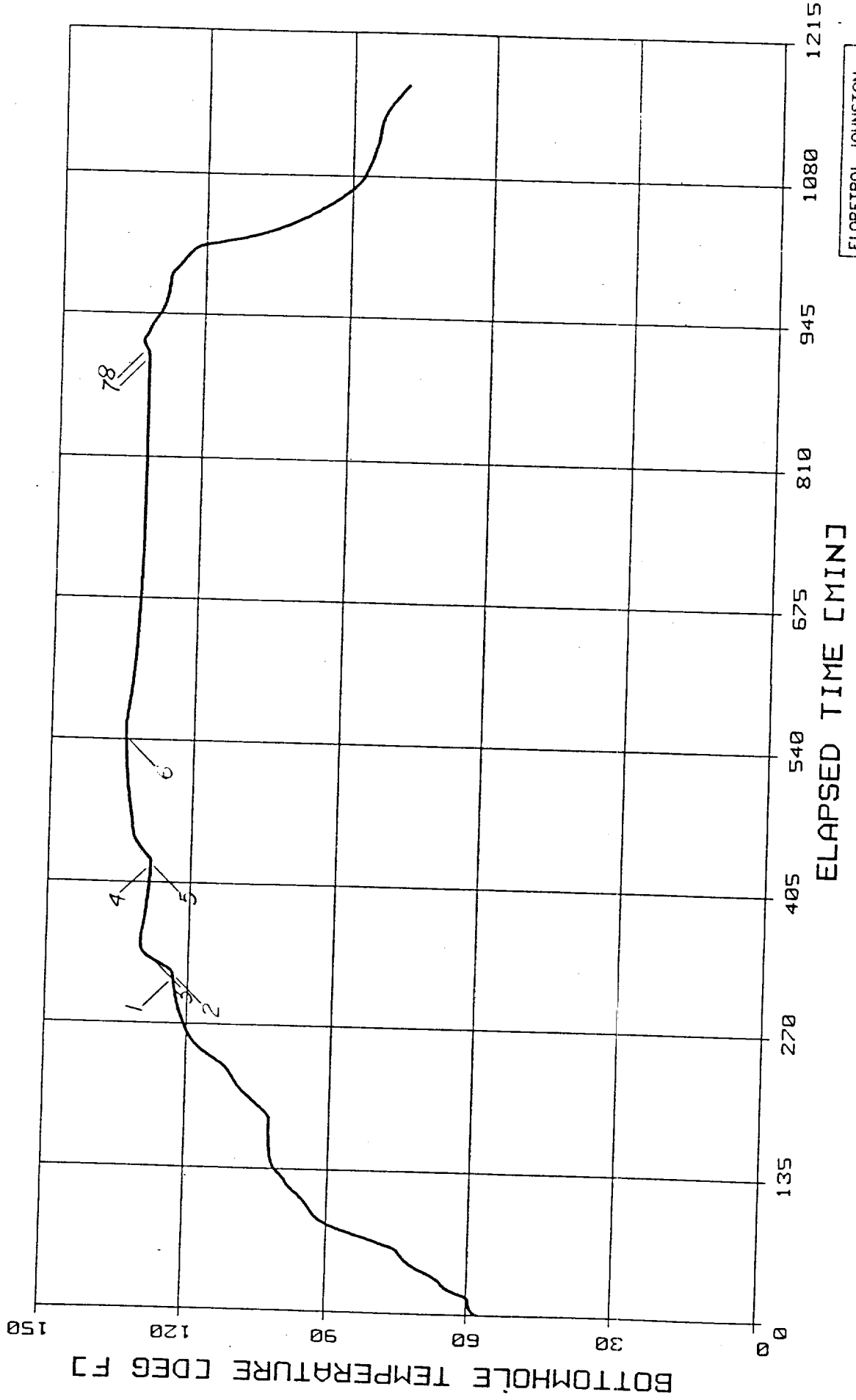
COMPANY : AMOCO PROD. CO.

INSTRUMENT NO. J2066

WELL : SALMAN RANCH A#1

DEPTH : 5188 FT

J-300



.....
 • WELL TEST DATA PRINTOUT •

FIELD REPORT # : 54048E

COMPANY : AMOCO PROD. CO.
 WELL : SALMAN RANCH A#1

INSTRUMENT # : J2066
 CAPACITY [PSI] : 10000
 DEPTH [FT] : 5188.0
 PORT OPENING : INSIDE
 J-300

LABEL POINT INFORMATION

#	TIME OF DAY		DATE DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA	BOT HOLE TEMP. DEG F
	HH:MM:SS						
1	6:23:00		18-SP	HYDROSTATIC MUD	313.00	2399	123.2
2	6:27:00		18-SP	START FLOW	317.00	143	123.3
3	6:41:30		18-SP	END FLOW & START SHUT-IN	331.50	496	127.6
4	8:11:30		18-SP	END SHUT-IN	421.50	2239	128.6
5	8:13:30		18-SP	START FLOW	423.50	584	128.5
6	10:12:30		18-SP	END FLOW & START SHUT-IN	542.50	1217	134.4
7	16:13:00		18-SP	END SHUT-IN	903.00	2261	131.5
8	16:20:30		18-SP	HYDROSTATIC MUD	910.50	2397	132.0

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED		END ELAPSED	DURATION MIN	START PRESSURE		END PRESSURE
	TIME, MIN		TIME, MIN		PSIA		PSIA
1	317.00		331.50	14.50	143		496
2	423.50		542.50	119.00	584		1217

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED		END ELAPSED	DURATION MIN	START PRESSURE		END PRESSURE	FINAL FLOW PRESSURE	PRODUCING TIME, MIN
	TIME, MIN		TIME, MIN		PSIA		PSIA	PSIA	
1	331.50		421.50	90.00	496		2239	496	14.50
2	542.50		903.00	360.50	1217		2261	1217	133.50

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM				
6:27:00	18-SP	317.00	0.00	123.3	143
6:32:00	18-SP	322.00	5.00	123.9	337
6:37:00	18-SP	327.00	10.00	125.7	428
6:41:30	18-SP	331.50	14.50	127.6	496

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 496

PRODUCING TIME [MIN] = 14.50

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM						
6:41:30	18-SP	331.50	0.00	127.6	496	0	
6:42:30	18-SP	332.50	1.00	128.0	1140	645	1.190
6:43:30	18-SP	333.50	2.00	128.4	1331	835	0.916
6:44:30	18-SP	334.50	3.00	128.7	1460	964	0.766
6:45:30	18-SP	335.50	4.00	129.0	1535	1039	0.665
6:46:30	18-SP	336.50	5.00	129.3	1619	1124	0.591
6:47:30	18-SP	337.50	6.00	129.5	1675	1179	0.534
6:48:30	18-SP	338.50	7.00	129.7	1702	1206	0.487
6:49:30	18-SP	339.50	8.00	129.8	1765	1269	0.449
6:50:30	18-SP	340.50	9.00	129.9	1800	1305	0.417
6:51:30	18-SP	341.50	10.00	130.1	1803	1307	0.389
6:53:30	18-SP	343.50	12.00	130.2	1885	1389	0.344
6:55:30	18-SP	345.50	14.00	130.3	1924	1428	0.309
6:57:30	18-SP	347.50	16.00	130.3	1958	1462	0.280
6:59:30	18-SP	349.50	18.00	130.3	1982	1487	0.257
7:01:30	18-SP	351.50	20.00	130.2	2019	1524	0.237
7:03:30	18-SP	353.50	22.00	130.2	2026	1530	0.220
7:05:30	18-SP	355.50	24.00	130.1	2058	1562	0.205
7:07:30	18-SP	357.50	26.00	130.0	2086	1590	0.192
7:09:30	18-SP	359.50	28.00	129.9	2104	1609	0.181
7:11:30	18-SP	361.50	30.00	129.9	2116	1621	0.171
7:13:30	18-SP	366.50	35.00	129.7	2136	1641	0.151
7:15:30	18-SP	371.50	40.00	129.5	2160	1664	0.134
7:17:30	18-SP	376.50	45.00	129.4	2178	1682	0.121
7:19:30	18-SP	381.50	50.00	129.2	2191	1696	0.111
7:21:30	18-SP	386.50	55.00	129.1	2201	1706	0.102
7:23:30	18-SP	391.50	60.00	129.0	2204	1709	0.094
7:25:30	18-SP	396.50	65.00	128.9	2212	1716	0.087
7:27:30	18-SP	401.50	70.00	128.8	2221	1725	0.082
7:29:30	18-SP	406.50	75.00	128.8	2227	1731	0.077
8:01:30	18-SP	411.50	80.00	128.7	2231	1736	0.072
8:03:30	18-SP	416.50	85.00	128.6	2236	1740	0.068
8:05:30	18-SP	421.50	90.00	128.6	2239	1744	0.065

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED	DELTA	BOT HOLE TEMP.	BOT HOLE PRESSURE
HH:MM:SS	DD-MM	TIME, MIN	TIME, MIN	DEG F	PSIA
8:13:30	18-SP	423.50	0.00	128.5	584
8:18:30	18-SP	428.50	5.00	128.8	647
8:23:30	18-SP	433.50	10.00	129.8	705
8:28:30	18-SP	438.50	15.00	130.7	752
8:33:30	18-SP	443.50	20.00	131.5	792
8:38:30	18-SP	448.50	25.00	132.1	827
8:43:30	18-SP	453.50	30.00	132.4	857
8:48:30	18-SP	458.50	35.00	132.5	884
8:53:30	18-SP	463.50	40.00	132.6	910
8:58:30	18-SP	468.50	45.00	132.8	934
9: 3:30	18-SP	473.50	50.00	133.0	957
9: 8:30	18-SP	478.50	55.00	133.1	978
9:13:30	18-SP	483.50	60.00	133.3	1000
9:18:30	18-SP	488.50	65.00	133.4	1020
9:23:30	18-SP	493.50	70.00	133.6	1039
9:28:30	18-SP	498.50	75.00	133.7	1059
9:33:30	18-SP	503.50	80.00	133.8	1077
9:38:30	18-SP	508.50	85.00	133.9	1095
9:43:30	18-SP	513.50	90.00	134.0	1112
9:48:30	18-SP	518.50	95.00	134.1	1130
9:53:30	18-SP	523.50	100.00	134.1	1149
9:58:30	18-SP	528.50	105.00	134.2	1167
10: 3:30	18-SP	533.50	110.00	134.3	1185
10: 8:30	18-SP	538.50	115.00	134.3	1203
10:12:30	18-SP	542.50	119.00	134.4	1217

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1217

PRODUCING TIME [MIN] = 133.50

TIME OF DAY	DATE	ELAPSED	DELTA	BOT HOLE TEMP.	BOT HOLE PRESSURE	DELTA P	LOG HORNER
HH:MM:SS	DD-MM	TIME, MIN	TIME, MIN	DEG F	PSIA	PSI	TIME
10:12:30	18-SP	542.50	0.00	134.4	1217	0	
10:13:30	18-SP	543.50	1.00	134.4	1294	77	2.129
10:14:30	18-SP	544.50	2.00	134.4	1331	114	1.831
10:15:30	18-SP	545.50	3.00	134.4	1365	148	1.658
10:16:30	18-SP	546.50	4.00	134.4	1394	177	1.536
10:17:30	18-SP	547.50	5.00	134.4	1421	204	1.442
10:18:30	18-SP	548.50	6.00	134.4	1445	228	1.366
10:19:30	18-SP	549.50	7.00	134.4	1469	252	1.303
10:20:30	18-SP	550.50	8.00	134.4	1489	273	1.248
10:21:30	18-SP	551.50	9.00	134.4	1510	293	1.200
10:22:30	18-SP	552.50	10.00	134.4	1529	312	1.157
10:24:30	18-SP	554.50	12.00	134.4	1564	348	1.084
10:26:30	18-SP	556.50	14.00	134.3	1597	380	1.023

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1217

PRODUCING TIME [MIN] = 133.50

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM						
10:28:30	18-SP	558.50	16.00	134.2	1627	410	0.971
10:30:30	18-SP	560.50	18.00	134.2	1656	439	0.925
10:32:30	18-SP	562.50	20.00	134.1	1683	466	0.885
10:34:30	18-SP	564.50	22.00	134.0	1707	490	0.849
10:36:30	18-SP	566.50	24.00	134.0	1728	511	0.817
10:38:30	18-SP	568.50	26.00	133.9	1749	532	0.788
10:40:30	18-SP	570.50	28.00	133.8	1769	552	0.761
10:42:30	18-SP	572.50	30.00	133.8	1787	571	0.736
10:47:30	18-SP	577.50	35.00	133.6	1831	614	0.683
10:52:30	18-SP	582.50	40.00	133.5	1868	651	0.637
10:57:30	18-SP	587.50	45.00	133.3	1901	684	0.598
11: 2:30	18-SP	592.50	50.00	133.2	1931	714	0.565
11: 7:30	18-SP	597.50	55.00	133.1	1958	741	0.535
11:12:30	18-SP	602.50	60.00	133.0	1982	765	0.509
11:17:30	18-SP	607.50	65.00	132.9	2004	787	0.485
11:22:30	18-SP	612.50	70.00	132.8	2023	806	0.463
11:27:30	18-SP	617.50	75.00	132.7	2041	824	0.444
11:32:30	18-SP	622.50	80.00	132.6	2057	840	0.426
11:37:30	18-SP	627.50	85.00	132.6	2072	855	0.410
11:42:30	18-SP	632.50	90.00	132.5	2085	868	0.395
11:47:30	18-SP	637.50	95.00	132.4	2097	880	0.381
11:52:30	18-SP	642.50	100.00	132.4	2108	891	0.368
11:57:30	18-SP	647.50	105.00	132.3	2118	901	0.356
12: 2:30	18-SP	652.50	110.00	132.3	2127	911	0.345
12: 7:30	18-SP	657.50	115.00	132.2	2136	919	0.335
12:12:30	18-SP	662.50	120.00	132.1	2144	927	0.325
12:17:30	18-SP	667.50	125.00	132.1	2151	934	0.316
12:22:30	18-SP	672.50	130.00	132.1	2158	941	0.307
12:27:30	18-SP	677.50	135.00	132.0	2164	947	0.299
12:32:30	18-SP	682.50	140.00	132.0	2170	953	0.291
12:37:30	18-SP	687.50	145.00	131.9	2175	958	0.283
12:42:30	18-SP	692.50	150.00	131.9	2180	963	0.276
12:47:30	18-SP	697.50	155.00	131.9	2184	968	0.270
12:52:30	18-SP	702.50	160.00	131.8	2189	972	0.263
12:57:30	18-SP	707.50	165.00	131.8	2193	976	0.257
13: 2:30	18-SP	712.50	170.00	131.8	2197	980	0.252
13: 7:30	18-SP	717.50	175.00	131.8	2201	984	0.246
13:12:30	18-SP	722.50	180.00	131.7	2205	988	0.241
13:17:30	18-SP	727.50	185.00	131.7	2208	991	0.236
13:22:30	18-SP	732.50	190.00	131.7	2211	995	0.231
13:27:30	18-SP	737.50	195.00	131.7	2214	998	0.227
13:32:30	18-SP	742.50	200.00	131.6	2217	1001	0.222
13:37:30	18-SP	747.50	205.00	131.6	2220	1003	0.218
13:42:30	18-SP	752.50	210.00	131.6	2223	1006	0.214
13:47:30	18-SP	757.50	215.00	131.6	2225	1008	0.210
13:52:30	18-SP	762.50	220.00	131.6	2227	1011	0.206
13:57:30	18-SP	767.50	225.00	131.6	2229	1013	0.202
14: 2:30	18-SP	772.50	230.00	131.6	2232	1015	0.199

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1217

PRODUCING TIME [MIN] = 133.50

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	TIME, MIN	TIME, MIN	DEG F	PSIA	PSI	TIME
14: 7:30	18-SP	777.50	235.00	131.6	2233	1017	0.195
14:12:30	18-SP	782.50	240.00	131.5	2235	1018	0.192
14:17:30	18-SP	787.50	245.00	131.5	2237	1020	0.189
14:22:30	18-SP	792.50	250.00	131.5	2239	1022	0.186
14:27:30	18-SP	797.50	255.00	131.5	2240	1023	0.183
14:32:30	18-SP	802.50	260.00	131.5	2242	1025	0.180
14:37:30	18-SP	807.50	265.00	131.5	2243	1026	0.177
14:42:30	18-SP	812.50	270.00	131.5	2244	1028	0.174
14:47:30	18-SP	817.50	275.00	131.5	2246	1029	0.172
14:52:30	18-SP	822.50	280.00	131.5	2247	1030	0.169
14:57:30	18-SP	827.50	285.00	131.5	2248	1031	0.167
15: 2:30	18-SP	832.50	290.00	131.5	2249	1032	0.164
15: 7:30	18-SP	837.50	295.00	131.5	2250	1034	0.162
15:12:30	18-SP	842.50	300.00	131.5	2251	1035	0.160
15:17:30	18-SP	847.50	305.00	131.5	2252	1035	0.158
15:22:30	18-SP	852.50	310.00	131.5	2253	1036	0.156
15:27:30	18-SP	857.50	315.00	131.5	2254	1037	0.153
15:32:30	18-SP	862.50	320.00	131.5	2255	1038	0.151
15:37:30	18-SP	867.50	325.00	131.5	2256	1039	0.149
15:42:30	18-SP	872.50	330.00	131.5	2257	1040	0.148
15:47:30	18-SP	877.50	335.00	131.5	2257	1041	0.146
15:52:30	18-SP	882.50	340.00	131.5	2258	1041	0.144
15:57:30	18-SP	887.50	345.00	131.5	2259	1042	0.142
16: 2:30	18-SP	892.50	350.00	131.5	2259	1043	0.140
16: 7:30	18-SP	897.50	355.00	131.5	2260	1043	0.139
16:12:30	18-SP	902.50	360.00	131.5	2261	1044	0.137
16:13: 0	18-SP	903.00	360.50	131.5	2261	1044	0.137

54048E

CAPACITY: _____

54048E

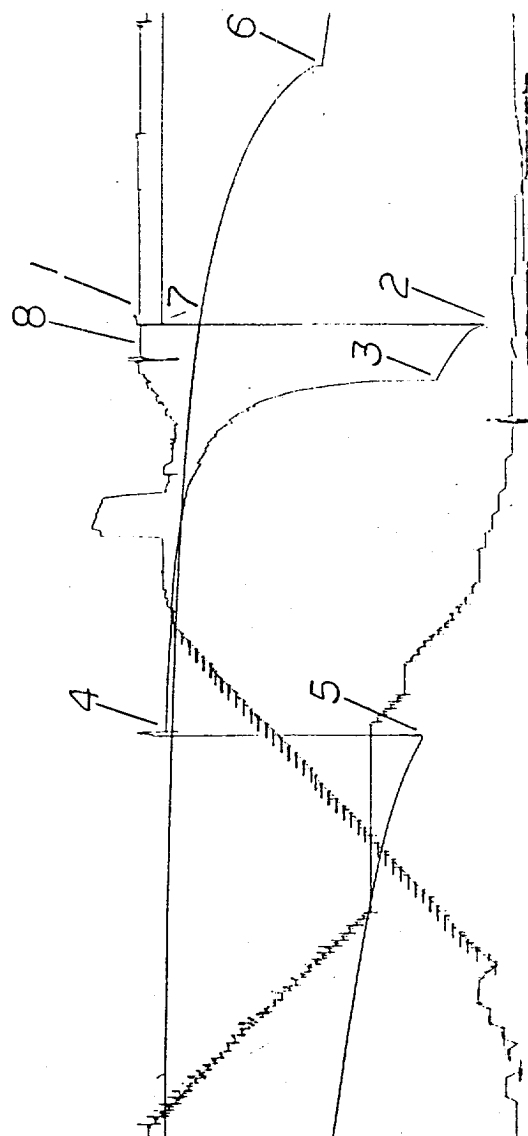
FIELD REPORT NO.: _____

5

NUMBER OF REPORTS: _____

J-1993

INSTRUMENT NO.: _____



BOTTOMHOLE PRESSURE LOG

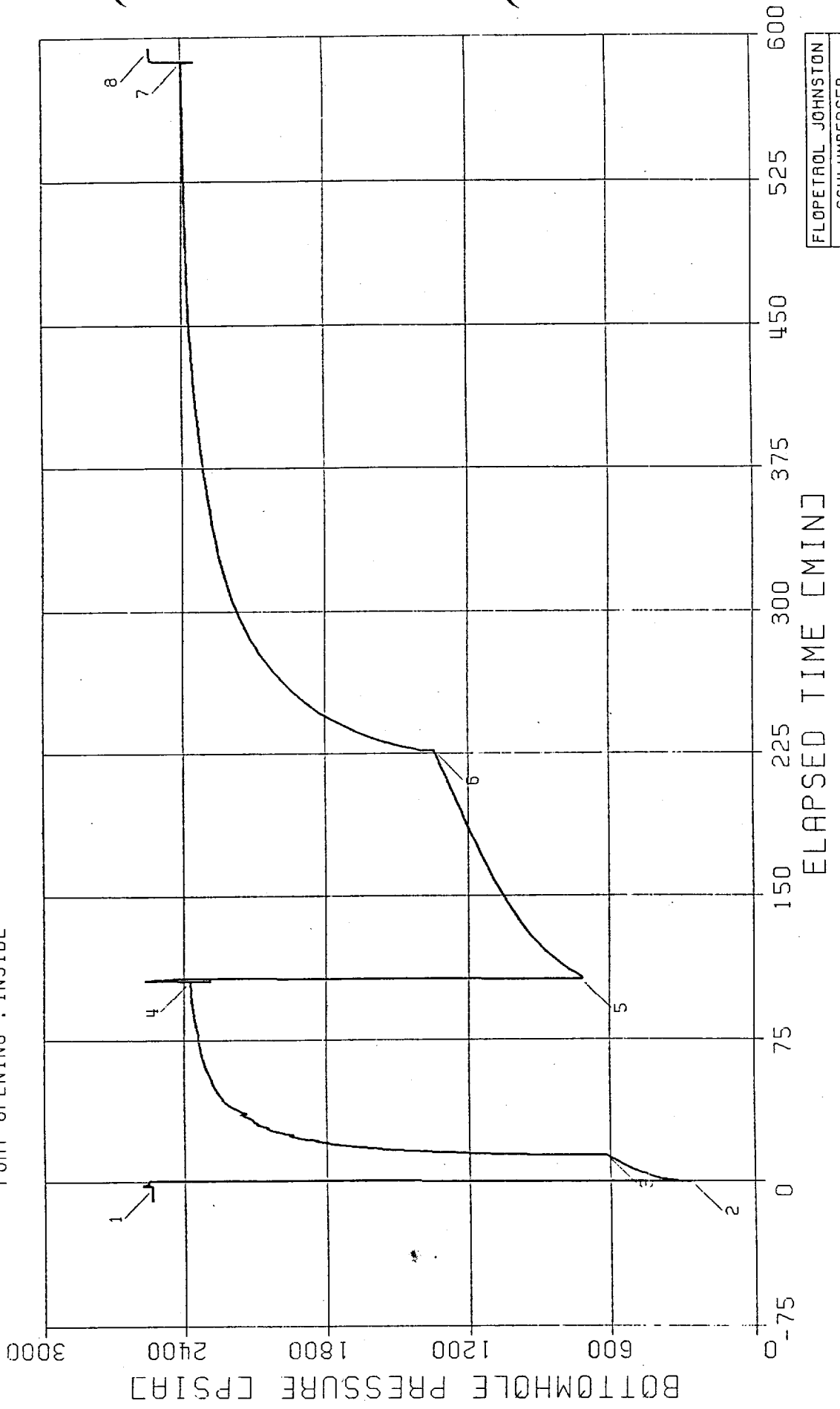
FIELD REPORT NO. 54048E COMPANY : AMOCO PRODUCTION COMPANY

INSTRUMENT NO. J-1993 WELL : SALMAN RANCH A#1

DEPTH : 5447FT

CAPACITY : 6400 PSI

PORT OPENING : INSIDE



 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 54048E

COMPANY : AMOCO PRODUCTION COMPANY
 WELL : SALMAN RANCH A#1

INSTRUMENT # : J-1993
 CAPACITY [PSI] : 6400.
 DEPTH [FT] : 5447.0
 PORT OPENING : INSIDE
 TEMPERATURE [DEG F] : 134.0

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	6:22:31	18-SP	HYDROSTATIC MUD	-3.48	2541
2	6:26: 0	18-SP	START FLOW	0.00	263
3	6:40: 6	18-SP	END FLOW & START SHUT-IN	14.10	618
4	8:12: 5	18-SP	END SHUT-IN	106.09	2375
5	8:12:54	18-SP	START FLOW	106.90	718
6	10:12:25	18-SP	END FLOW & START SHUT-IN	226.42	1347
7	16:13: 0	18-SP	END SHUT-IN	587.00	2398
8	16:19: 1	18-SP	HYDROSTATIC MUD	593.01	2535

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	14.10	14.10	263	618
2	106.90	226.42	119.52	718	1347

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	14.10	106.09	91.99	618	2375	618	14.10
2	226.42	587.00	360.58	1347	2398	1347	133.62

EST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
6:26: 0	18-SF	0.00	0.00	263
6:31: 0	18-SF	5.00	5.00	473
6:36: 0	18-SF	10.00	10.00	559
6:40: 6	18-SF	14.10	14.10	618

EST PHASE : SHUTIN PERIOD # 1
 FINAL FLOW PRESSURE [PSIA] = 618
 PRODUCING TIME [MIN] = 14.10

TIME F DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
6:40: 6	18-SF	14.10	0.00	618	0	
6:41: 6	18-SF	15.10	1.00	1190	572	1.179
6:42: 6	18-SF	16.10	2.00	1374	756	0.906
6:43: 6	18-SF	17.10	3.00	1536	918	0.756
6:44: 6	18-SF	18.10	4.00	1615	997	0.656
6:45: 6	18-SF	19.10	5.00	1705	1088	0.582
6:46: 6	18-SF	20.10	6.00	1774	1157	0.525
6:47: 6	18-SF	21.10	7.00	1806	1189	0.479
6:48: 6	18-SF	22.10	8.00	1836	1218	0.441
6:49: 6	18-SF	23.10	9.00	1908	1290	0.409
6:50: 6	18-SF	24.10	10.00	1945	1327	0.382
6:52: 6	18-SF	26.10	12.00	1991	1373	0.337
6:54: 6	18-SF	28.10	14.00	2046	1428	0.303
6:56: 6	18-SF	30.10	16.00	2090	1472	0.274
6:58: 6	18-SF	32.10	18.00	2108	1490	0.251
7:00: 6	18-SF	34.10	20.00	2130	1513	0.232
7:02: 6	18-SF	36.10	22.00	2140	1522	0.215
7:04: 6	18-SF	38.10	24.00	2176	1558	0.201
7:06: 6	18-SF	40.10	26.00	2205	1587	0.188
7:08: 6	18-SF	42.10	28.00	2226	1609	0.177
7:10: 6	18-SF	44.10	30.00	2238	1620	0.167
7:15: 6	18-SF	49.10	35.00	2266	1649	0.147
7:20: 6	18-SF	54.10	40.00	2287	1669	0.131
7:25: 6	18-SF	59.10	45.00	2304	1686	0.118
7:30: 6	18-SF	64.10	50.00	2320	1702	0.108
7:35: 6	18-SF	69.10	55.00	2330	1713	0.099
7:40: 6	18-SF	74.10	60.00	2338	1721	0.092
7:45: 6	18-SF	79.10	65.00	2342	1724	0.085
7:50: 6	18-SF	84.10	70.00	2352	1734	0.080
7:55: 6	18-SF	89.10	75.00	2358	1741	0.075
8:00: 6	18-SF	94.10	80.00	2365	1747	0.070
8:05: 6	18-SF	99.10	85.00	2369	1751	0.067
8:10: 6	18-SF	104.10	90.00	2373	1755	0.063
8:15: 6	18-SF	106.09	91.99	2375	1757	0.062

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
8:12:54	18-SP	106.90	0.00	718
8:17:54	18-SP	111.90	5.00	769
8:22:54	18-SP	116.90	10.00	827
8:27:54	18-SP	121.90	15.00	874
8:32:54	18-SP	126.90	20.00	914
8:37:54	18-SP	131.90	25.00	950
8:42:54	18-SP	136.90	30.00	980
8:47:54	18-SP	141.90	35.00	1007
8:52:54	18-SP	146.90	40.00	1033
8:57:54	18-SP	151.90	45.00	1059
9: 2:54	18-SP	156.90	50.00	1083
9: 7:54	18-SP	161.90	55.00	1104
9:12:54	18-SP	166.90	60.00	1126
9:17:54	18-SP	171.90	65.00	1146
9:22:54	18-SP	176.90	70.00	1165
9:27:54	18-SP	181.90	75.00	1185
9:32:54	18-SP	186.90	80.00	1204
9:37:54	18-SP	191.90	85.00	1222
9:42:54	18-SP	196.90	90.00	1239
9:47:54	18-SP	201.90	95.00	1257
9:52:54	18-SP	206.90	100.00	1276
9:57:54	18-SP	211.90	105.00	1295
10: 2:54	18-SP	216.90	110.00	1314
10: 7:54	18-SP	221.90	115.00	1331
10:12:25	18-SP	226.42	119.52	1347

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1347

PRODUCING TIME [MIN] = 133.62

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
10:12:25	18-SP	226.42	0.00	1347	0	
10:13:25	18-SP	227.42	1.00	1436	89	2.129
10:14:25	18-SP	228.42	2.00	1473	126	1.831
10:15:25	18-SP	229.42	3.00	1506	159	1.658
10:16:25	18-SP	230.42	4.00	1535	188	1.537
10:17:25	18-SP	231.42	5.00	1560	213	1.443
10:18:25	18-SP	232.42	6.00	1584	237	1.367
10:19:25	18-SP	233.42	7.00	1607	260	1.303
10:20:25	18-SP	234.42	8.00	1628	281	1.248
10:21:25	18-SP	235.42	9.00	1649	302	1.200
10:22:25	18-SP	236.42	10.00	1668	321	1.157
10:24:25	18-SP	238.42	12.00	1703	356	1.084
10:26:25	18-SP	240.42	14.00	1736	389	1.023

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1347

PRODUCING TIME [MIN] = 133.62

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNERS TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
10:28:25	18-SP	242.42	16.00	1766	419	0.971
10:30:25	18-SP	244.42	18.00	1796	449	0.925
10:32:25	18-SP	246.42	20.00	1821	474	0.885
10:34:25	18-SP	248.42	22.00	1845	498	0.850
10:36:25	18-SP	250.42	24.00	1867	520	0.817
10:38:25	18-SP	252.42	26.00	1887	540	0.788
10:40:25	18-SP	254.42	28.00	1907	560	0.761
10:42:25	18-SP	256.42	30.00	1924	577	0.737
10:47:25	18-SP	261.42	35.00	1966	619	0.683
10:52:25	18-SP	266.42	40.00	2003	656	0.638
10:57:25	18-SP	271.42	45.00	2036	689	0.599
11: 2:25	18-SP	276.42	50.00	2065	718	0.565
11: 7:25	18-SP	281.42	55.00	2093	746	0.535
11:12:25	18-SP	286.42	60.00	2117	770	0.509
11:17:25	18-SP	291.42	65.00	2139	791	0.485
11:22:25	18-SP	296.42	70.00	2158	810	0.464
11:27:25	18-SP	301.42	75.00	2175	828	0.444
11:32:25	18-SP	306.42	80.00	2191	844	0.427
11:37:25	18-SP	311.42	85.00	2206	859	0.410
11:42:25	18-SP	316.42	90.00	2219	872	0.395
11:47:25	18-SP	321.42	95.00	2231	884	0.381
11:52:25	18-SP	326.42	100.00	2242	894	0.369
11:57:25	18-SP	331.42	105.00	2252	905	0.357
12: 2:25	18-SP	336.42	110.00	2261	914	0.345
12: 7:25	18-SP	341.42	115.00	2269	922	0.335
12:12:25	18-SP	346.42	120.00	2277	929	0.325
12:17:25	18-SP	351.42	125.00	2284	936	0.316
12:22:25	18-SP	356.42	130.00	2290	943	0.307
12:27:25	18-SP	361.42	135.00	2297	950	0.299
12:32:25	18-SP	366.42	140.00	2303	956	0.291
12:37:25	18-SP	371.42	145.00	2309	962	0.284
12:42:25	18-SP	376.42	150.00	2315	967	0.277
12:47:25	18-SP	381.42	155.00	2319	972	0.270
12:52:25	18-SP	386.42	160.00	2324	977	0.264
12:57:25	18-SP	391.42	165.00	2328	981	0.258
13: 2:25	18-SP	396.42	170.00	2332	985	0.252
13: 7:25	18-SP	401.42	175.00	2337	990	0.246
13:12:25	18-SP	406.42	180.00	2341	994	0.241
13:17:25	18-SP	411.42	185.00	2344	997	0.236
13:22:25	18-SP	416.42	190.00	2348	1001	0.231
13:27:25	18-SP	421.42	195.00	2351	1004	0.227
13:32:25	18-SP	426.42	200.00	2354	1007	0.222
13:37:25	18-SP	431.42	205.00	2357	1010	0.218
13:42:25	18-SP	436.42	210.00	2360	1012	0.214
13:47:25	18-SP	441.42	215.00	2362	1015	0.210
13:52:25	18-SP	446.42	220.00	2365	1018	0.206
13:57:25	18-SP	451.42	225.00	2368	1021	0.202
14: 2:25	18-SP	456.42	230.00	2369	1022	0.199

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 1347
 PRODUCING TIME [MIN] = 133.62

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
14: 7:25	18-SF	461.42	235.00	2371	1024	0.196
14:12:25	18-SF	466.42	240.00	2372	1025	0.192
14:17:25	18-SF	471.42	245.00	2374	1027	0.189
14:22:25	18-SF	476.42	250.00	2376	1029	0.186
14:27:25	18-SF	481.42	255.00	2377	1030	0.183
14:32:25	18-SF	486.42	260.00	2380	1033	0.180
14:37:25	18-SF	491.42	265.00	2381	1034	0.177
14:42:25	18-SF	496.42	270.00	2381	1034	0.175
14:47:25	18-SF	501.42	275.00	2384	1036	0.172
14:52:25	18-SF	506.42	280.00	2385	1038	0.169
14:57:25	18-SF	511.42	285.00	2386	1039	0.167
15: 2:25	18-SF	516.42	290.00	2387	1040	0.165
15: 7:25	18-SF	521.42	295.00	2388	1041	0.162
15:12:25	18-SF	526.42	300.00	2390	1043	0.160
15:17:25	18-SF	531.42	305.00	2391	1044	0.158
15:22:25	18-SF	536.42	310.00	2393	1046	0.156
15:27:25	18-SF	541.42	315.00	2394	1047	0.154
15:32:25	18-SF	546.42	320.00	2395	1048	0.152
15:37:25	18-SF	551.42	325.00	2395	1048	0.150
15:42:25	18-SF	556.42	330.00	2395	1048	0.148
15:47:25	18-SF	561.42	335.00	2395	1048	0.146
15:52:25	18-SF	566.42	340.00	2396	1049	0.144
15:57:25	18-SF	571.42	345.00	2396	1049	0.142
16: 2:25	18-SF	576.42	350.00	2397	1049	0.140
16: 7:25	18-SF	581.42	355.00	2397	1050	0.139
16:12:25	18-SF	586.42	360.00	2398	1051	0.137
16:13: 0	18-SF	587.00	360.58	2398	1051	0.137

WELL TEST INTERPRETATION REPORT #154091E		PAGE: 1
CLIENT : AMOCO PROD. CO.		19-OCT-84
REGION : MID-CONI.		Field: WILDCAT
DISTRICT: HOBBS		Zone :
BASE : HOBBS		Well : SALMON RANCHA
Engr : MILLONIG		Location: T20N-R17E

WELL TEST INTERPRETATION REPORT
- FOR -
AMOCO PROD. CO.

Field	: WILDCAT	DATE:	
Zone	:	From	: 10/17/84
Well	: SALMON RANCHA	To	: 10/17/84

REPORT #154091E

TELEFLOW TEST SYSTEMS

JOHNSTON

Schlumberger

Company Amoco Prod. Well Sawyer R A#1 County Mora State N.M.
DST # 2 Test Interval 8363 to 8463 Date 10-17-84

INITIAL FLOW PERIOD

1. Tool opened 8:13 (Time of Day)
2. Total Flow Time 10 mins.
3. Calculated pressure to achieve formation sample 0.5 psi
4. Was sample achieved? X yes no
If so, at what time 1 mins.
5. Surface Pressure Behavior:
Start 0 psi End 13.7 psi
Average 8. psi
6. Indicated Fluid Production:
Gas — Liquid — Gas & Liquid (circle one)
7. Closed Chamber Flow Rate:
Initial Rate MCF — BBLS/Day
at what time mins.
Maximum Rate MCF — BBLS/Day
at what time mins.
Last Rate MCF — BBLS/Day
Average Rate MCF — BBLS/Day
8. Comments & Recommendations: WAS NOT
ABLE TO OBTAIN RATES FOR
INITIAL FLOW DUE TO
MECHANICAL TROUBLES. —
SHUT IN FOR 1 hr.

INITIAL SHUT-IN PERIOD

9. Tool Closed 8:23 (Time of Day)
10. Total Shut-in Time 60 mins.
11. Describe Surface Pressure Behavior After Closing Tool: SLIGHT GAS
BREAKOUT WAS RECORDED.
12. Liquid Recovery Indicated by Blow Down or other Pressure Behavior: 4 BBLS

FINAL FLOW PERIOD

13. Tool opened 9:24 (Time of Day)
14. Total Flow Time 60 mins.
15. Closed Chamber Pressure Behavior:
Start 14.34 psi End 27.55 psi
16. Closed Chamber Rate:
Start 136 MCF — BBLS/Day
Maximum 136 MCF — BBLS/Day
End 7 MCF — BBLS/Day
Average 11.9 MCF — BBLS/Day
17. Opened on Surface at mins.
on ins. choke
18. Surface Flow Rate: at psi.
Start MCF — BBLS/Day at mins.
at psi.
End MCF — BBLS/Day at mins.
19. Did Rate Stabilize? yes X no at psi.
If so, at MCF — BBLS/Day for mins.
20. If Surface Rate was fluctuating, describe (liquid-gas production) GAS PRODUCTION
BREAKING THROUGH RAT HOLE IN MUD
21. Comments & Recommendations: SHUT IN
FOR 5 hrs. — SEEMS TO BE
LOW FLOW RATE GAS

FINAL SHUT-IN PERIOD

22. Tool Closed 10:24 (Time of Day)
23. Total Shut-in Time 300 mins.
24. Describe Surface Pressure Behavior After Closing Tool: AGAIN SLIGHT break-
OUT WAS RECORDED. GAS &
MUD PRODUCTION.
25. Liquid Recovery Indicated by Blow Down or other Pressure Behavior: 4.1 BBLS

TELEFLOW TEST SYSTEMS

JOHNSTON

Schlumberger

Visual Data Interpretation

Test was was not *mechanically* sound.

Permeability appears to be good low.

Wellbore damage appears does not appear to be present.

Surface Data

Well did did not flow to surface.

Last flow rate observed at surface 7 MCF/Day
BBLs/Day

Recovery Data

MFE Sample Chamber

Drill Pipe Recovery

FT.³ Gas 1.95

C.C. Oil - 0 -

C.C. H₂O - 0 -

C.C. Mud - 0 -

Sample Pressure 115 PSIA

Chloride Content H₂O — PPM

Chloride Content Pit Mud 300 PPM

Oil - 0 - FT. — BBLS

H₂O - 0 - FT. — BBLS

Mud 570 FT. 4.1 BBLS

Chloride Content H₂O — PPM

Downhole Data

	Time	Pressure
Initial Flow	<u>8.3</u> Min.	<u>424 → 183</u> PSI
Initial Shut-In	<u>62</u> Min.	<u>183 → 535</u> PSI
Final Flow	<u>61</u> Min.	<u>212 → 191</u> PSI
Final Shut-In	<u>300</u> Min.	<u>191 → 391</u> PSI

FR. # 54091E

 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 54091E

COMPANY : AMOCO PROD. CO.
 WELL : SALMON RANCH A#1

INSTRUMENT # : J371
 CAPACITY [PSI] : 6400.
 DEPTH [FT] : 8456.0
 PORT OPENING : OUTSIDE
 TEMPERATURE [DEG F] : 181.0

LABEL POINT INFORMATION

#	TIME OF DAY	DATE	EXPLANATION	ELAPSED TIME, MIN	BUT HOLE PRESSURE PSIA
1	8: 9:26	17-0C	HYDRUSTATIC MUD	-3.57	4023
2	8:13: 0	17-0C	START FLOW	0.00	424
3	8:21:20	17-0C	END FLOW & START SHUT-IN	8.33	183
4	9:23:39	17-0C	END SHUT-IN	70.65	535
5	9:23:59	17-0C	START FLOW	70.98	212
6	10:24:59	17-0C	END FLOW & START SHUT-IN	131.98	191
7	15:24: 0	17-0C	END SHUT-IN	431.00	391
8	15:44: 0	17-0C	HYDRUSTATIC MUD	451.00	3971

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	8.33	8.33	424	183
2	70.98	131.98	61.00	212	191

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	8.33	70.65	62.32	183	535	183	8.33
2	131.98	431.00	299.02	191	391	191	69.33

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BUT HOLE PRESSURE PSIA
8:13: 0	17-0C	0.000	0.000	424
8:19: 0	17-0C	0.100	0.100	185
8:21:20	17-0C	0.139	0.139	183

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE (PSIA) = 183

PRODUCING TIME (HR) = 0.139

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BUT HOLE PRESSURE PSIA	DELTA P PSI	LUG HORNER TIME
8:21:20	17-0C	0.139	0.000	183	0	
8:21:56	17-0C	0.149	0.010	206	23	1.173
8:22:32	17-0C	0.159	0.020	224	40	0.900
8:23: 8	17-0C	0.169	0.030	237	54	0.750
8:23:44	17-0C	0.179	0.040	249	66	0.650
8:24:20	17-0C	0.189	0.050	261	77	0.577
8:24:56	17-0C	0.199	0.060	273	89	0.520
8:25:32	17-0C	0.209	0.070	282	99	0.475
8:26: 8	17-0C	0.219	0.080	291	108	0.437
8:26:44	17-0C	0.229	0.090	299	116	0.405
8:27:20	17-0C	0.239	0.100	306	122	0.378
8:28:32	17-0C	0.259	0.120	319	136	0.334
8:29:44	17-0C	0.279	0.140	332	149	0.299
8:30:56	17-0C	0.299	0.160	342	159	0.271
8:32: 8	17-0C	0.319	0.180	351	168	0.248
8:33:20	17-0C	0.339	0.200	360	176	0.229
8:34:32	17-0C	0.359	0.220	369	185	0.212
8:35:44	17-0C	0.379	0.240	377	194	0.198
8:36:56	17-0C	0.399	0.260	384	201	0.186
8:38: 8	17-0C	0.419	0.280	391	208	0.175
8:39:20	17-0C	0.439	0.300	398	215	0.165
8:40:32	17-0C	0.459	0.320	404	220	0.157
8:41:44	17-0C	0.479	0.340	409	226	0.149
8:42:56	17-0C	0.499	0.360	415	232	0.142
8:44: 8	17-0C	0.519	0.380	421	238	0.135
8:45:20	17-0C	0.539	0.400	426	243	0.129
8:46:32	17-0C	0.559	0.420	431	248	0.124
8:47:44	17-0C	0.579	0.440	436	253	0.119
8:48:56	17-0C	0.599	0.460	441	258	0.115
8:50: 8	17-0C	0.619	0.480	446	263	0.110
8:51:20	17-0C	0.639	0.500	451	267	0.106
8:57:20	17-0C	0.739	0.600	472	288	0.090
9: 3:20	17-0C	0.839	0.700	488	305	0.079
9: 9:20	17-0C	0.939	0.800	505	321	0.069
9:15:20	17-0C	1.039	0.900	519	335	0.062

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE (PSIA) = 183

PRODUCING TIME (HR) = 0.139

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
9:21:20	17-0C	1.139	1.000	531	348	0.056
9:23:39	17-0C	1.178	1.039	535	351	0.054

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA
9:23:59	17-0C	1.183	0.000	212
9:29:59	17-0C	1.283	0.100	173
9:35:59	17-0C	1.383	0.200	178
9:41:59	17-0C	1.483	0.300	181
9:47:59	17-0C	1.583	0.400	182
9:53:59	17-0C	1.683	0.500	186
9:59:59	17-0C	1.783	0.600	187
10: 5:59	17-0C	1.883	0.700	187
10:11:59	17-0C	1.983	0.800	188
10:17:59	17-0C	2.083	0.900	189
10:23:59	17-0C	2.183	1.000	190
10:24:59	17-0C	2.200	1.017	191

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE (PSIA) = 191

PRODUCING TIME (HR) = 1.155

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
10:24:59	17-0C	2.200	0.000	191	0	
10:25:35	17-0C	2.210	0.010	192	1	2.067
10:26:11	17-0C	2.220	0.020	192	2	1.769
10:26:47	17-0C	2.230	0.030	195	4	1.597
10:27:23	17-0C	2.240	0.040	198	7	1.475
10:27:59	17-0C	2.250	0.050	200	10	1.382
10:28:35	17-0C	2.260	0.060	202	12	1.307
10:29:11	17-0C	2.270	0.070	204	13	1.243
10:29:47	17-0C	2.280	0.080	205	15	1.189
10:30:23	17-0C	2.290	0.090	206	16	1.141
10:30:59	17-0C	2.300	0.100	208	17	1.099
10:32:11	17-0C	2.320	0.120	210	19	1.026
10:33:23	17-0C	2.340	0.140	212	21	0.966

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 191

PRODUCING TIME [HR] = 1.155

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
10:34:35	17-0C	2.360	0.160	214	23	0.915
10:35:47	17-0C	2.380	0.180	217	26	0.870
10:36:59	17-0C	2.400	0.200	219	28	0.831
10:38:11	17-0C	2.420	0.220	221	30	0.796
10:39:23	17-0C	2.440	0.240	223	32	0.765
10:40:35	17-0C	2.460	0.260	224	33	0.736
10:41:47	17-0C	2.480	0.280	225	35	0.710
10:42:59	17-0C	2.500	0.300	227	37	0.686
10:44:11	17-0C	2.520	0.320	229	38	0.664
10:45:23	17-0C	2.540	0.340	231	40	0.643
10:46:35	17-0C	2.560	0.360	232	42	0.624
10:47:47	17-0C	2.580	0.380	234	43	0.606
10:48:59	17-0C	2.600	0.400	235	45	0.590
10:50:11	17-0C	2.620	0.420	237	46	0.574
10:51:23	17-0C	2.640	0.440	239	48	0.559
10:52:35	17-0C	2.660	0.460	240	49	0.546
10:53:47	17-0C	2.680	0.480	241	51	0.532
10:54:59	17-0C	2.700	0.500	243	52	0.520
11: 0:59	17-0C	2.800	0.600	250	59	0.466
11: 6:59	17-0C	2.900	0.700	255	65	0.423
11:12:59	17-0C	3.000	0.800	260	69	0.388
11:18:59	17-0C	3.100	0.900	264	73	0.359
11:24:59	17-0C	3.200	1.000	268	78	0.334
11:30:59	17-0C	3.300	1.100	272	82	0.312
11:36:59	17-0C	3.400	1.200	276	85	0.293
11:42:59	17-0C	3.500	1.300	280	89	0.276
11:48:59	17-0C	3.600	1.400	283	92	0.261
11:54:59	17-0C	3.700	1.500	287	96	0.248
12: 0:59	17-0C	3.800	1.600	291	100	0.236
12: 6:59	17-0C	3.900	1.700	294	103	0.225
12:12:59	17-0C	4.000	1.800	297	106	0.215
12:18:59	17-0C	4.100	1.900	300	109	0.206
12:24:59	17-0C	4.200	2.000	302	112	0.198
12:30:59	17-0C	4.300	2.100	305	114	0.190
12:36:59	17-0C	4.400	2.200	308	117	0.183
12:42:59	17-0C	4.500	2.300	311	120	0.177
12:48:59	17-0C	4.600	2.400	313	122	0.171
12:54:59	17-0C	4.700	2.500	316	125	0.165
13: 0:59	17-0C	4.800	2.600	318	127	0.160
13: 6:59	17-0C	4.900	2.700	322	131	0.155
13:12:59	17-0C	5.000	2.800	325	135	0.150
13:18:59	17-0C	5.100	2.900	329	139	0.146
13:24:59	17-0C	5.200	3.000	334	143	0.142
13:30:59	17-0C	5.300	3.100	338	147	0.138
13:36:59	17-0C	5.400	3.200	342	151	0.134
13:42:59	17-0C	5.500	3.300	346	155	0.130
13:48:59	17-0C	5.600	3.400	349	158	0.127
13:54:59	17-0C	5.700	3.500	353	162	0.124

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 191

PRODUCING TIME [HR] = 1.155

TIME OF DAY	DATE	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG MURNER TIME
14: 0:59	17-0C	5.800	3.600	356	165	0.121
14: 6:59	17-0C	5.900	3.700	360	169	0.118
14:12:59	17-0C	6.000	3.800	363	172	0.115
14:18:59	17-0C	6.100	3.900	366	175	0.113
14:24:59	17-0C	6.200	4.000	368	178	0.110
14:30:59	17-0C	6.300	4.100	371	180	0.108
14:36:59	17-0C	6.400	4.200	373	183	0.106
14:42:59	17-0C	6.500	4.300	377	186	0.103
14:48:59	17-0C	6.600	4.400	379	188	0.101
14:54:59	17-0C	6.700	4.500	381	191	0.099
15: 0:59	17-0C	6.800	4.600	383	193	0.097
15: 6:59	17-0C	6.900	4.700	386	195	0.095
15:12:59	17-0C	7.000	4.800	389	198	0.094
15:18:59	17-0C	7.100	4.900	390	200	0.092
15:24: 0	17-0C	7.183	4.984	391	200	0.091

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 54091E

COMPANY : AMOCO PROD. CO.

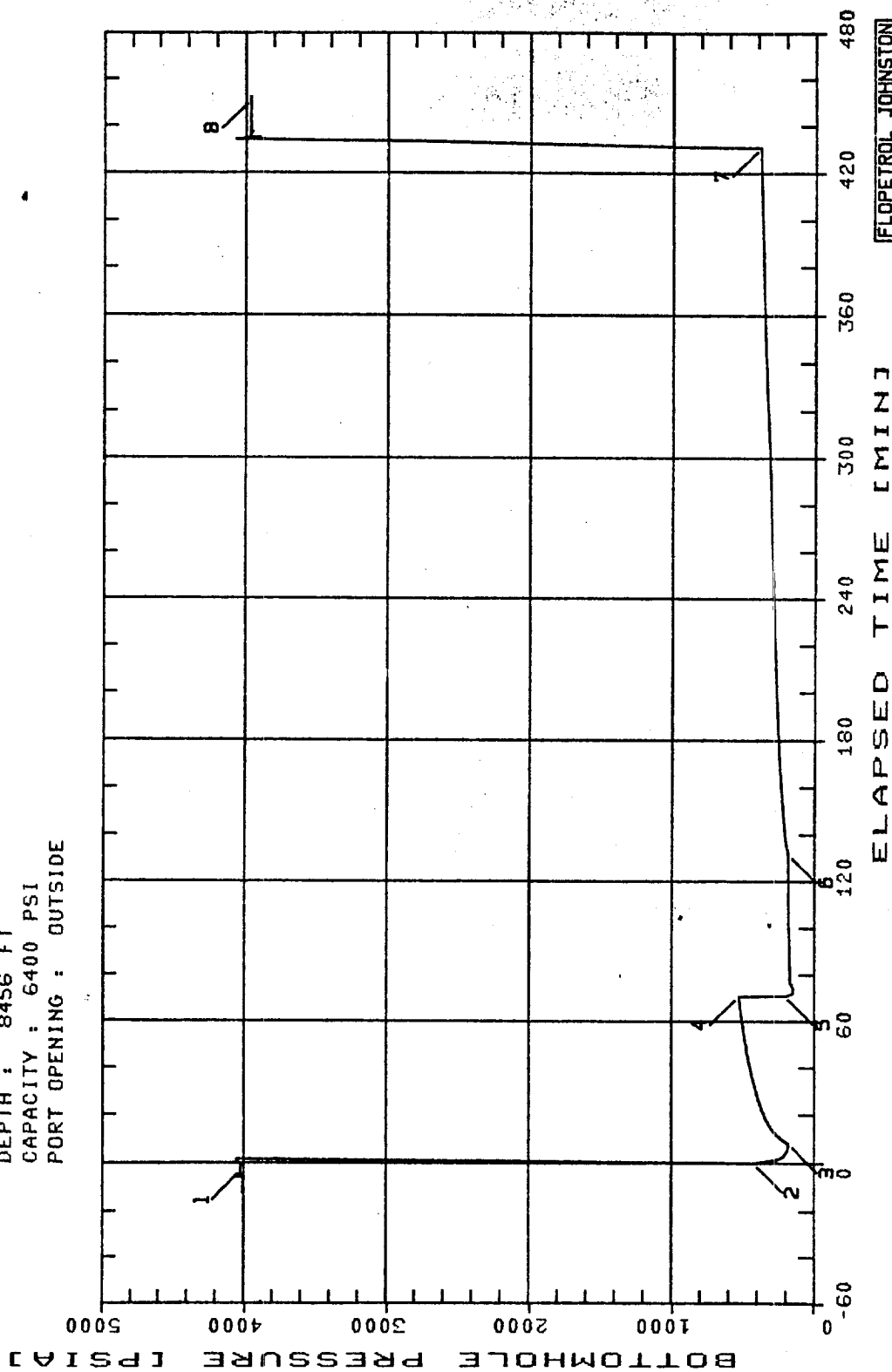
INSTRUMENT NO. J371

WELL : SALMON RANCH A#1

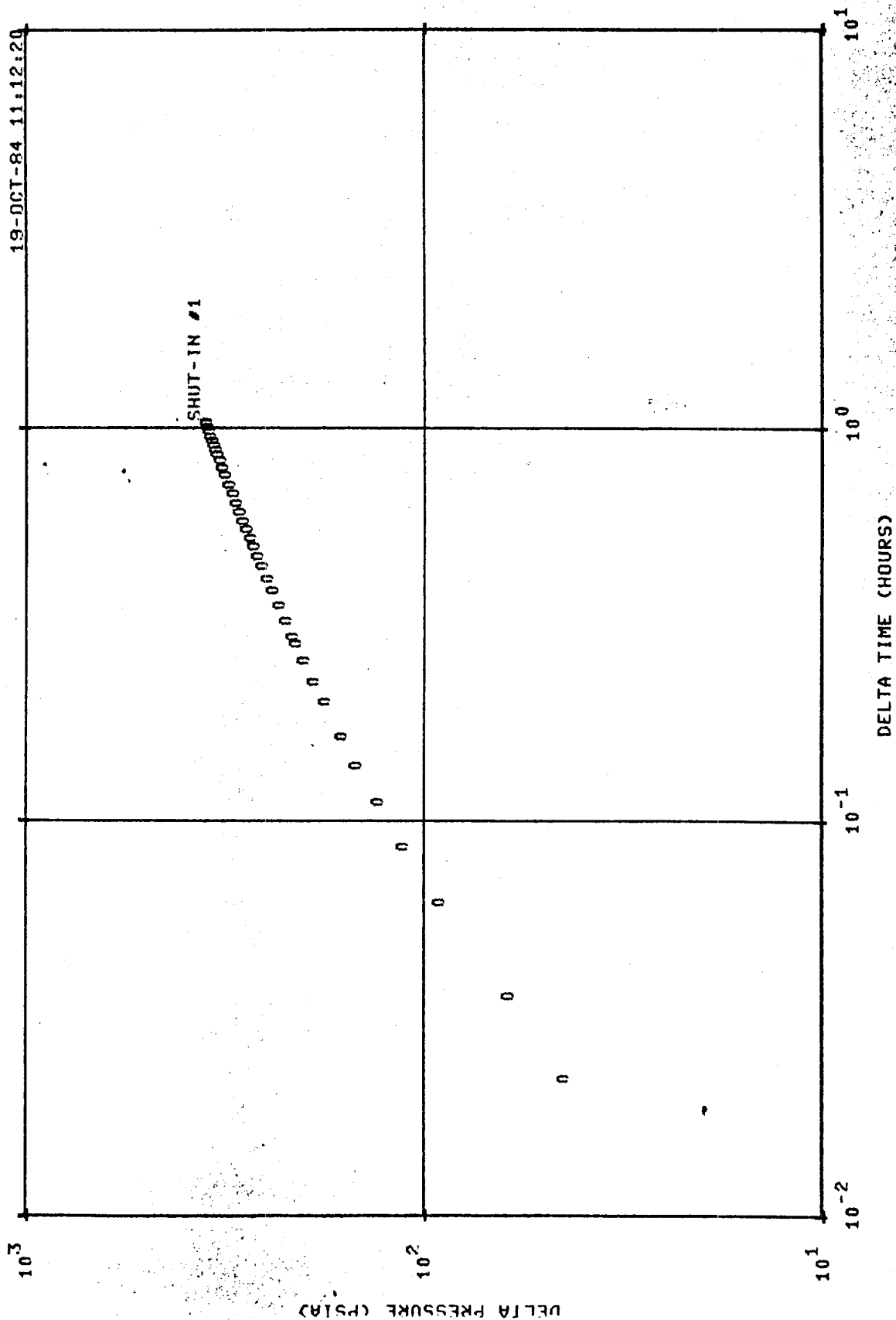
DEPTH : 8456 FT

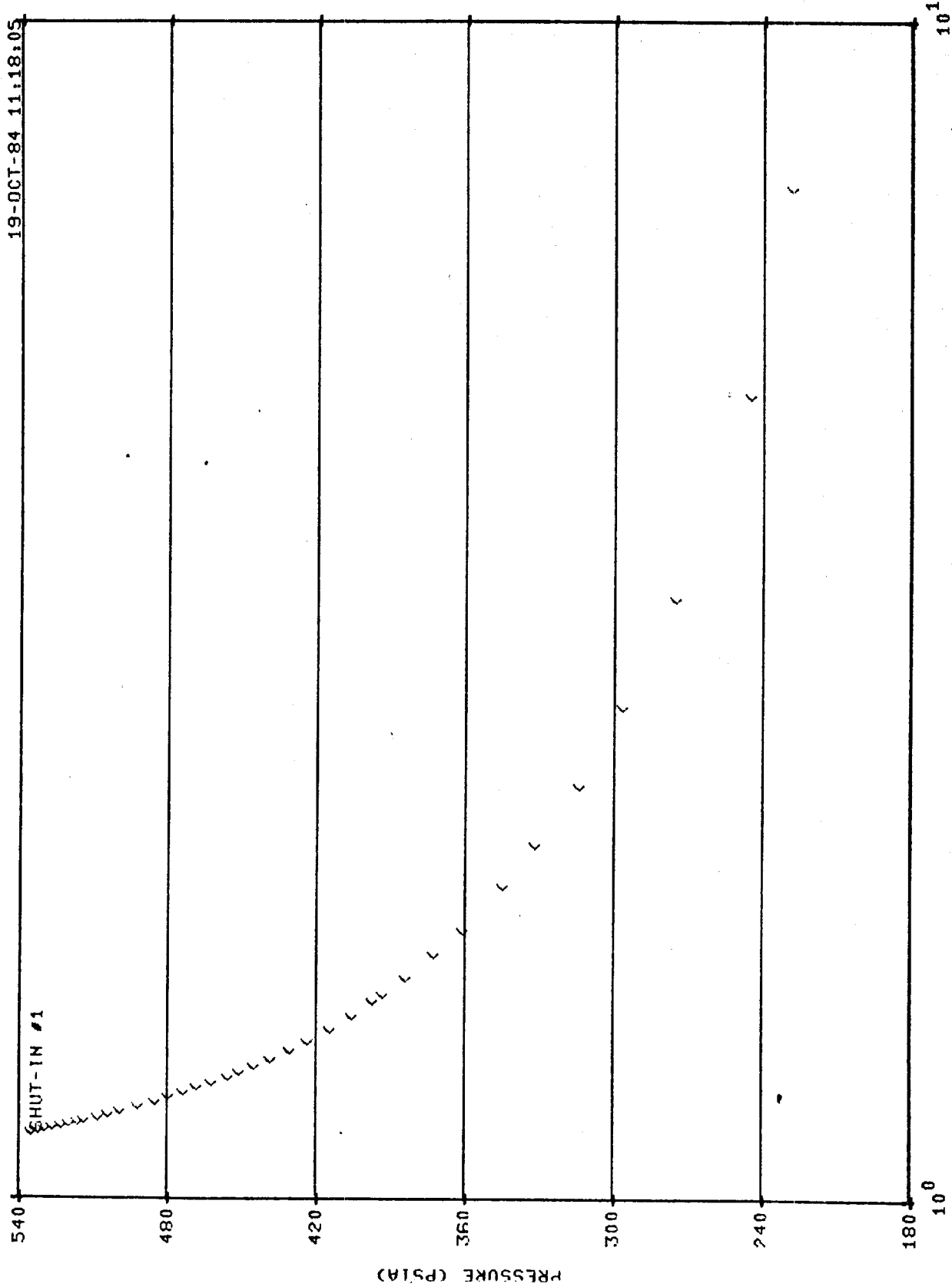
CAPACITY : 6400 PSI

PORT OPENING : OUTSIDE



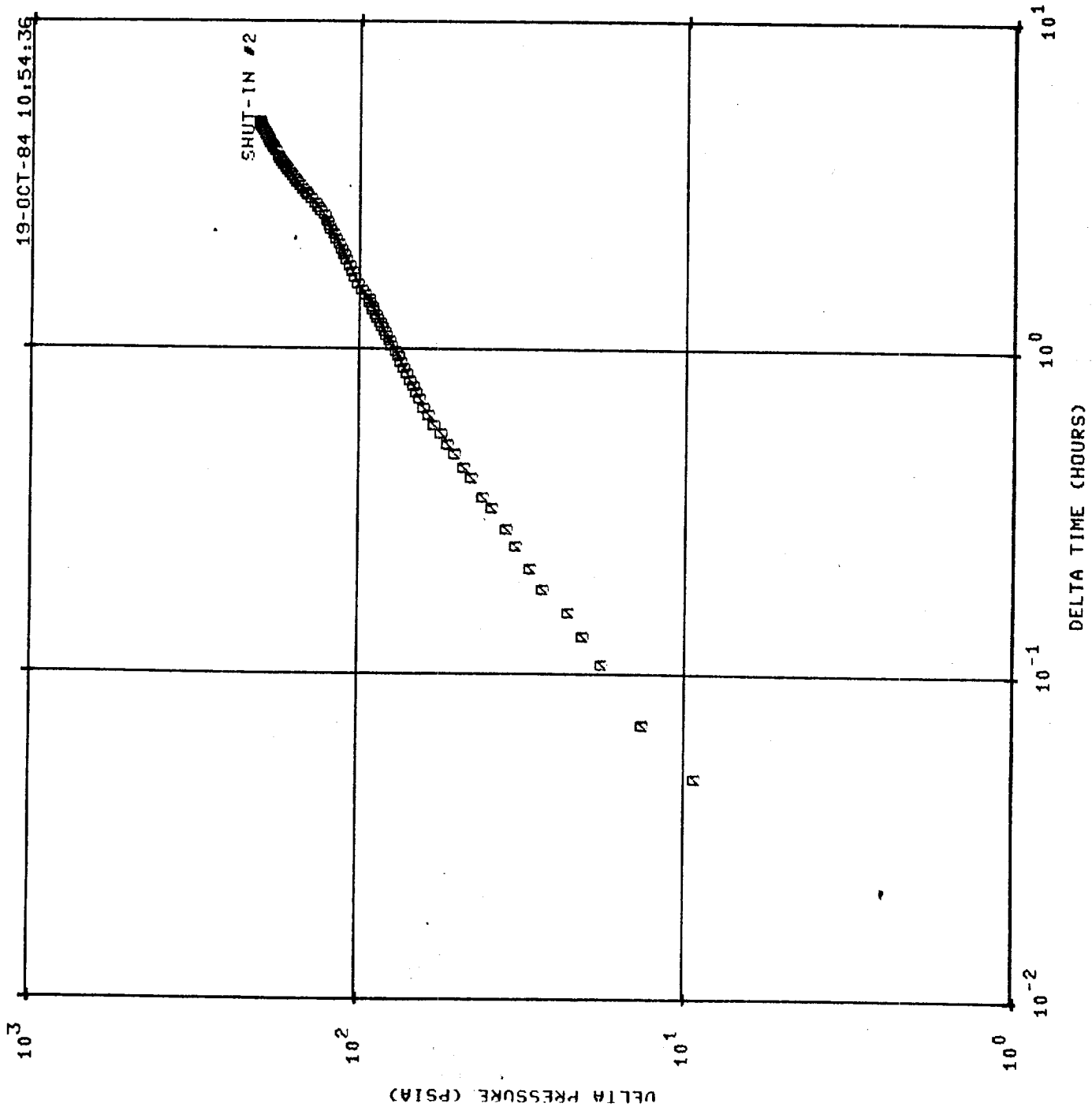
FLOPETROL JOHNSTON
SCHLUMBERGER

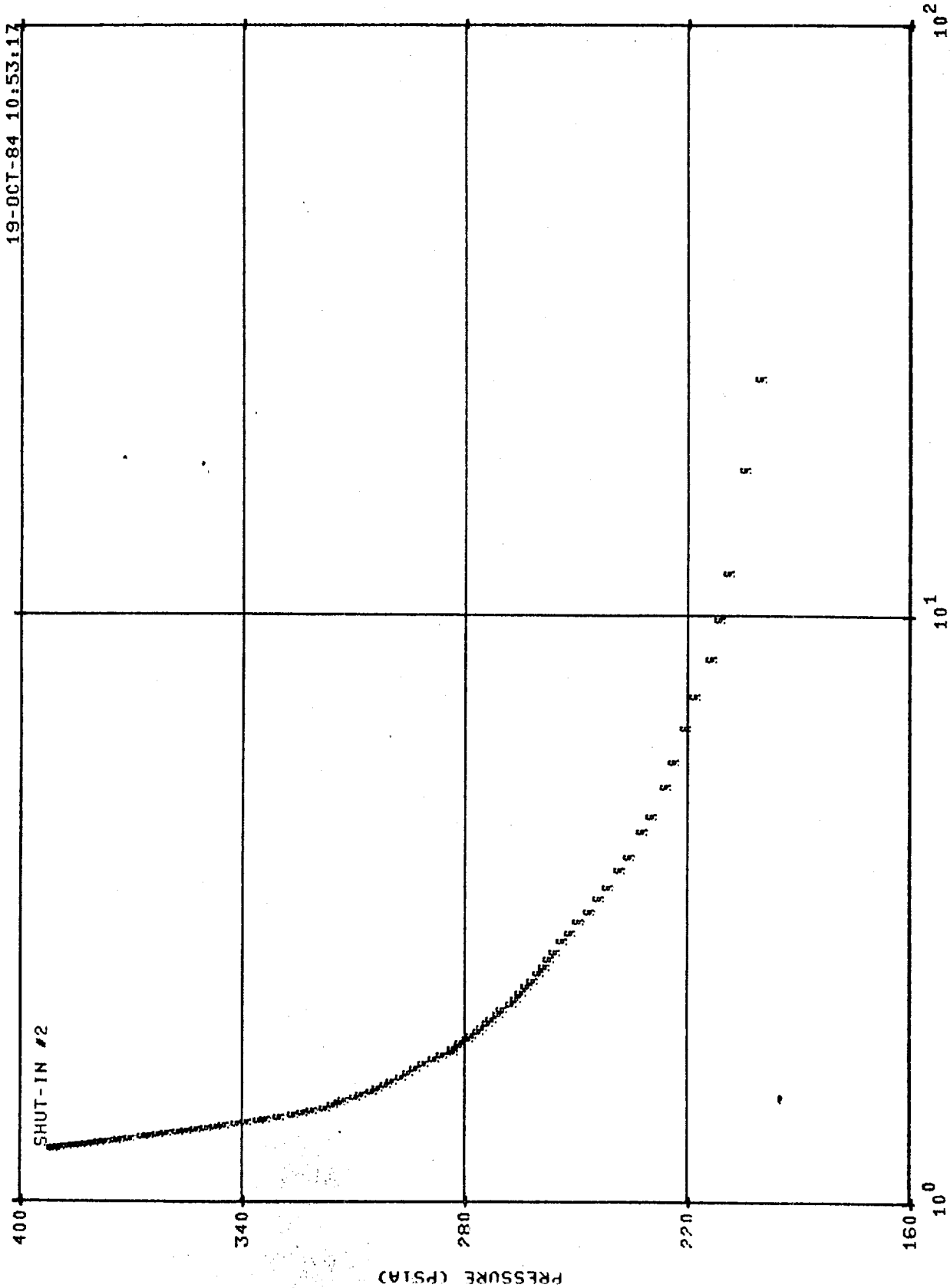




(TP + DELTA T)/DELTA T

HORNER PLOT, Production Time = 0.1388





CTP + DELTA T/DELTA T

HORNER PLOT, Production Time = 1.156

FLOPETROL JDI
SCHLUMBERG