LEASE NAME	WELL NO.	TEST NO.
TUNISON JR	1	1

LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	TESTED INTERVAL
21-32S-10E		1619.0 - 1670.0

COUNTY	STATE	LEASE OWNER/COMPANY NAME
CHAUTAUQUA	KANSAS DR	PAN WESTERN PETROLEUM, INC.

21-32S-10E

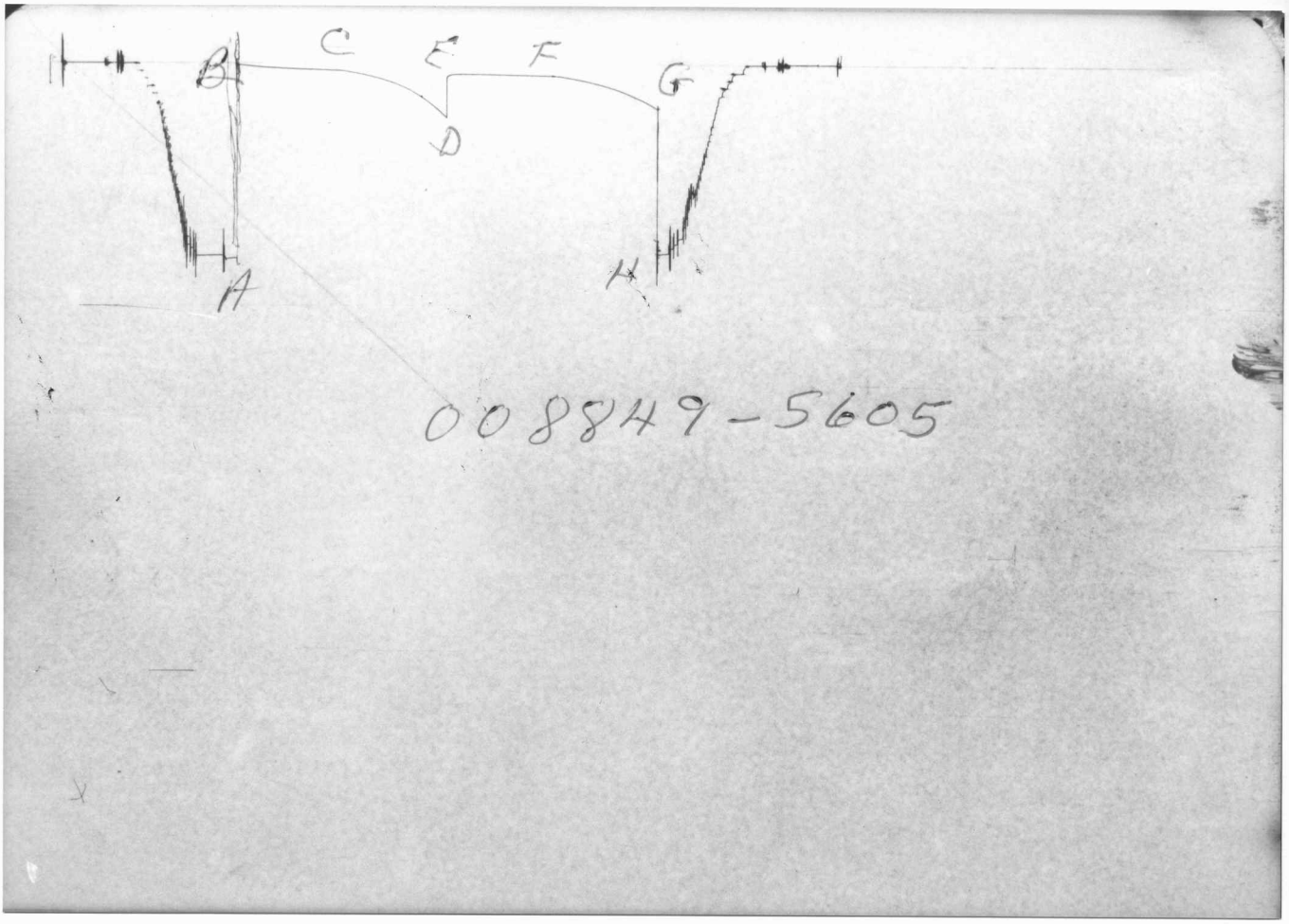
PAN WESTERN PETROLEUM, INC.

LEASE : TUNISON JR

WELL NO.: 1

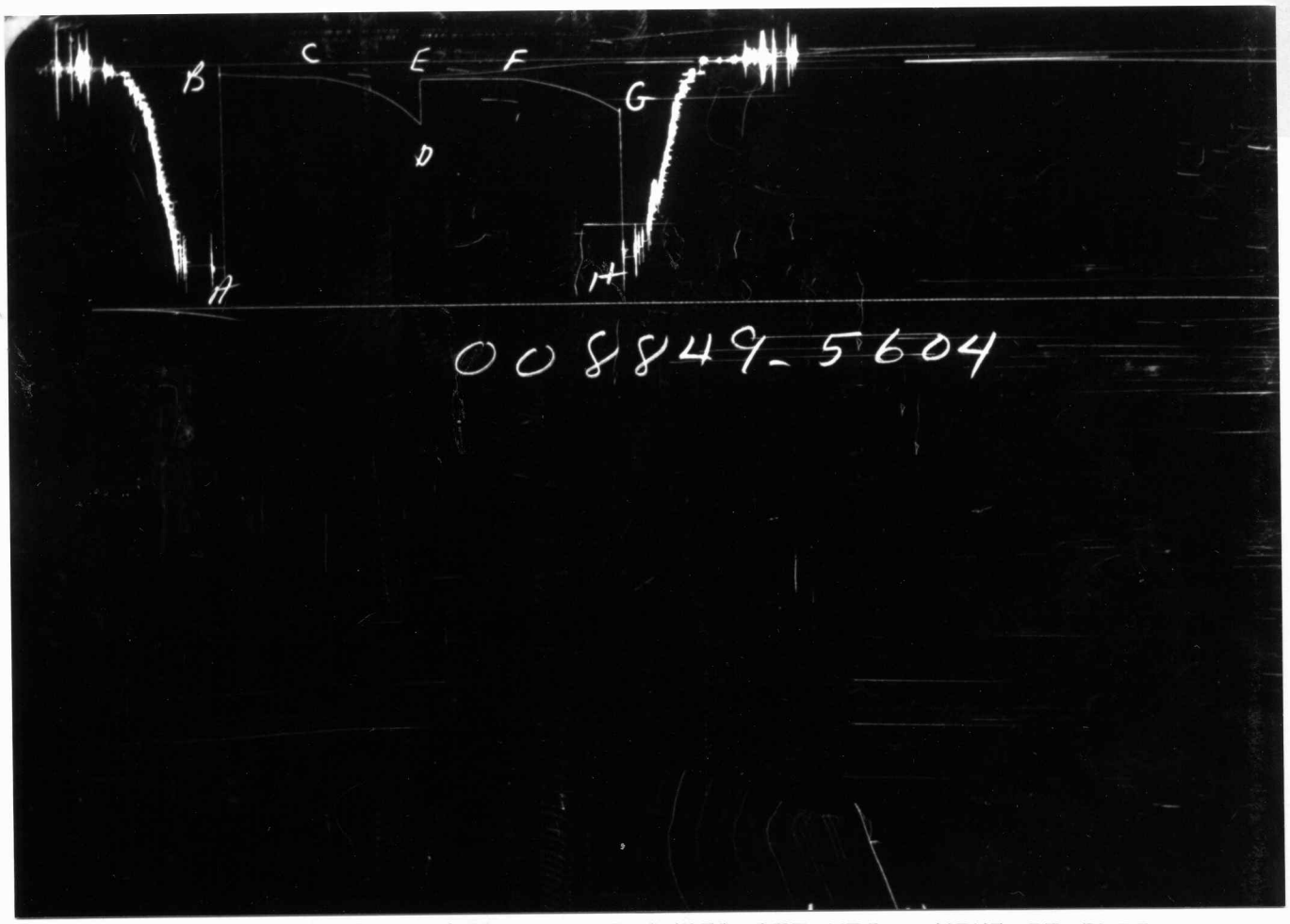
TEST NO.: 1

TICKET NO. 00884900
27-JUL-90
PRATT.



GAUGE NO: 5605 DEPTH: 1603.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		794.9			
B	INITIAL FIRST FLOW		3.0	60.0	60.0	F
C	FINAL FIRST FLOW		28.9			
C	INITIAL FIRST CLOSED-IN		28.9	60.0	60.0	C
D	FINAL FIRST CLOSED-IN		222.4			
E	INITIAL SECOND FLOW		53.1	60.0	60.0	F
F	FINAL SECOND FLOW		48.4			
F	INITIAL SECOND CLOSED-IN		48.4	60.0	60.0	C
G	FINAL SECOND CLOSED-IN		183.9			
H	FINAL HYDROSTATIC		786.9			



GAUGE NO: 5604 DEPTH: 1667.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	841	825.9			
B	INITIAL FIRST FLOW	31	35.5	60.0	60.0	F
C	FINAL FIRST FLOW	51	57.9			
C	INITIAL FIRST CLOSED-IN	51	57.9	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	257	256.8			
E	INITIAL SECOND FLOW	51	80.2	60.0	60.0	F
F	FINAL SECOND FLOW	51	75.9			
F	INITIAL SECOND CLOSED-IN	51	75.9	60.0	60.0	C
G	FINAL SECOND CLOSED-IN	206	216.2			
H	FINAL HYDROSTATIC	821	812.0			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MARMATON
NET PAY (ft): 19.0
GROSS TESTED FOOTAGE: 51.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 1048.0
TOTAL DEPTH (ft): 1670.0
PACKER DEPTH(S) (ft): 1613, 1619
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.30
MUD VISCOSITY (sec): 43
ESTIMATED HOLE TEMP. (°F): 76
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 00884900

DATE: 7-21-90 TEST NO: 1

TYPE DST: OPEN HOLE

FIELD CAMP: PRATT.

TESTER: L.R. PARKER

WITNESS: T. ELSTER

DRILLING CONTRACTOR: WHITE AND ELLIS #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ___ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

70' OF DRILLING MUD WITH FEW SPECKS OF OIL

MEASURED FROM TESTER VALVE

REMARKS:

----------TIGHT HOLE INFORMATION----------

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 00884900

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
7-21-90					
1445					CALLED OUT
1920					ON LOCATION
1935					PICKED UP TOOL
2005					TOOL IN TABLE
2010					TOOL THRU TABLE
2110					ON BOTTOM
2115	BH				OPENED TOOL WITH A VERY WEAK
					BLOW WITH A SLOW INCREASE OF
					BLOW TO 1" BLOW IN 20 MINUTES
					REMAINED STEADY FOR 20 MORE
					MINUTES THEN STARTED DECREASING
					TO JUST A BUBBLE AT END OF FIRST
					PERIOD
2215	BH				CLOSED TOOL
2315	BH				REOPENED TOOL WITH 1" BLOW FOR
					15 MINUTES, THEN STARTED
					DECREASING, BLOW DEAD IN
					40 MINUTES
7-22-90					
0015	BH				CLOSED TOOL
0115					OFF BOTTOM
0205					TOOL IN TABLE

TICKET NO. 00884900

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.500	3.826	1348.0	
3	DRILL COLLARS	6.000	2.250	120.0	
50	IMPACT REVERSING SUB	6.000	2.750	1.0	1468.5
3	DRILL COLLARS	6.000	2.250	121.0	
5	CROSSOVER	6.000	2.250	1.0	
12	DUAL CIP VALVE	5.000	0.870	6.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	1601.0
80	AP RUNNING CASE	5.000	2.250	4.0	1603.0
16	VR SAFETY JOINT	5.000	1.000	3.0	
70	OPEN HOLE PACKER	6.750	1.530	6.0	1613.0
70	OPEN HOLE PACKER	6.750	1.530	6.0	1619.0
5	CROSSOVER	6.000	2.250	1.0	
1	DRILL PIPE	4.500	3.826	31.0	
5	CROSSOVER	6.000	2.250	1.0	
20	FLUSH JOINT ANCHOR	5.000	2.370	12.0	
81	BLANKED-OFF RUNNING CASE	5.000		4.0	1667.0

TOTAL DEPTH 1670.0

EQUIPMENT DATA

401

PAN WESTERN PETROLEUM, INC.

LEASE : TUNISON JR.

WELL NO.: 1

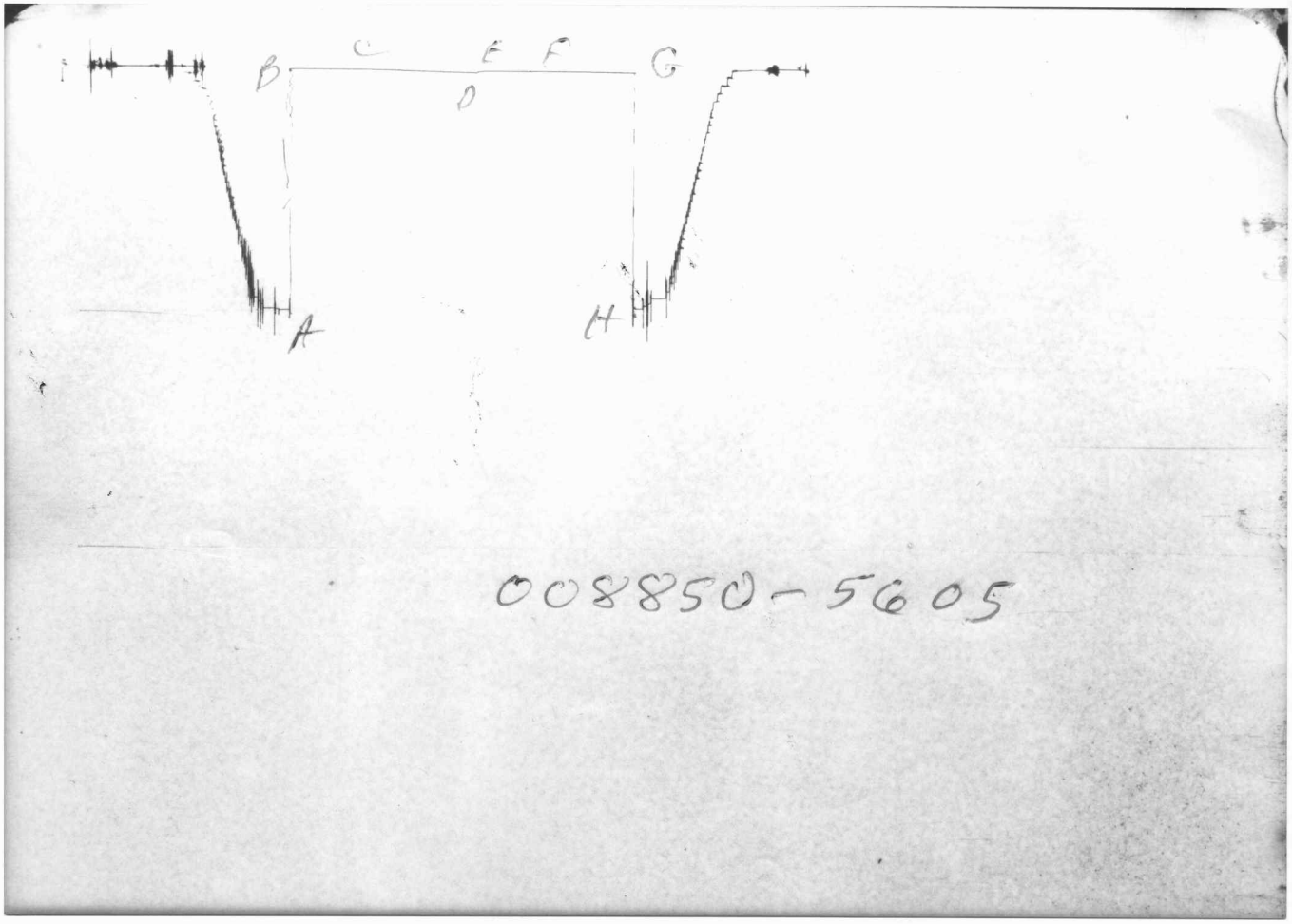
TEST NO.: 2

TICKET NO. 00885000
27-JUL-90
PRATT.

LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
TUNISON JR.	1	2	1984.0 - 2000.0	PAN WESTERN PETROLEUM, INC.

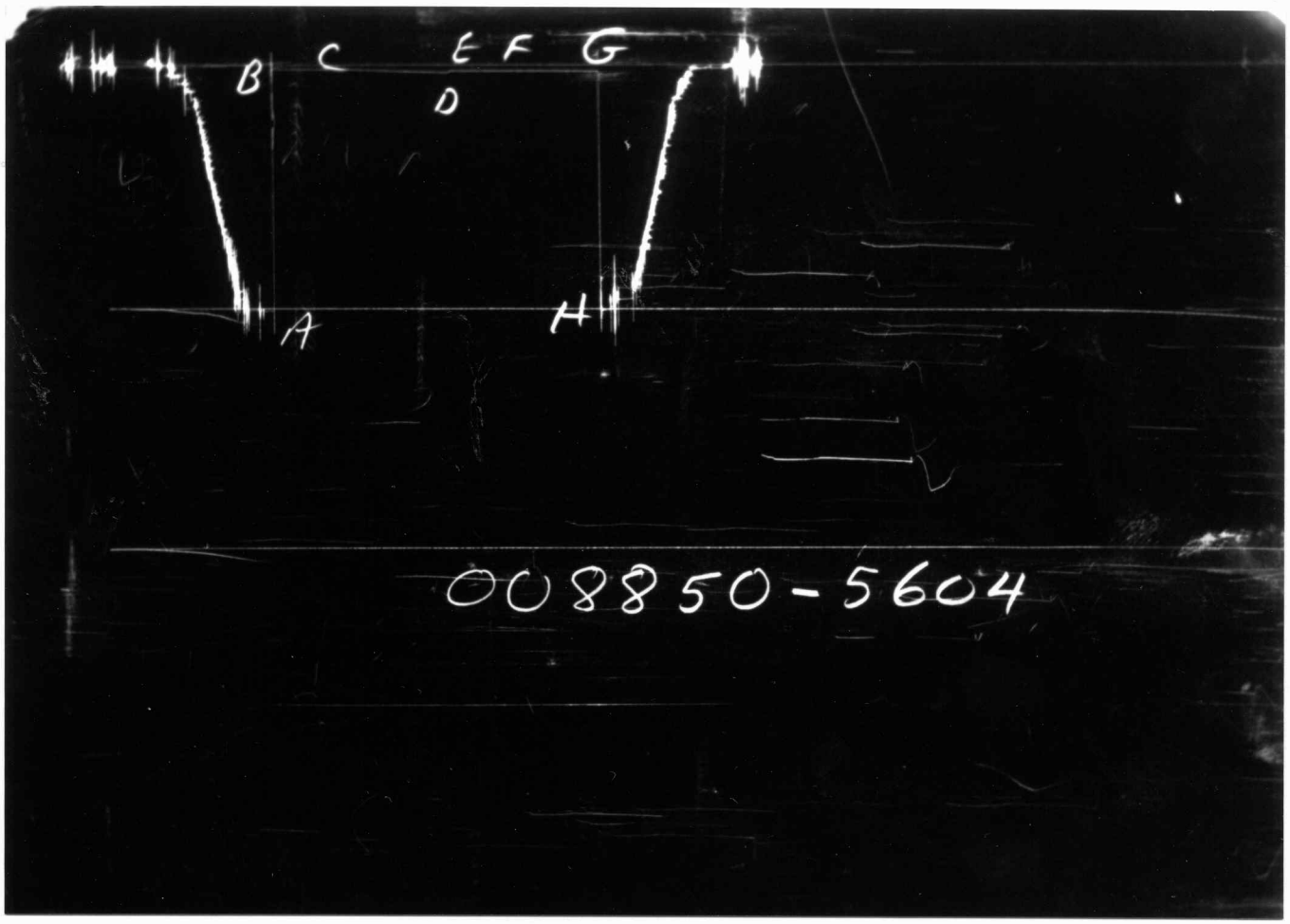
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE
21-32S-10E		CHAUTAUQUA	KANSAS DR

21-32S-10E



GAUGE NO: 5605 DEPTH: 1968.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		993.2			
B	INITIAL FIRST FLOW		0.7	45.0	45.0	F
C	FINAL FIRST FLOW		0.7			
C	INITIAL FIRST CLOSED-IN		0.7	60.0	60.0	C
D	FINAL FIRST CLOSED-IN		11.5			
E	INITIAL SECOND FLOW		11.5	30.0	30.0	F
F	FINAL SECOND FLOW		3.4			
F	INITIAL SECOND CLOSED-IN		3.4	60.0	60.0	C
G	FINAL SECOND CLOSED-IN		6.1			
H	FINAL HYDROSTATIC		989.4			



GAUGE NO: 5604 DEPTH: 1997.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1005	1018.0			
B	INITIAL FIRST FLOW	21		45.0		F
C	FINAL FIRST FLOW	21				
C	INITIAL FIRST CLOSED-IN	21		60.0		C
D	FINAL FIRST CLOSED-IN	31				
E	INITIAL SECOND FLOW	21	12.9	30.0	38.6	F
F	FINAL SECOND FLOW	21	18.1			
F	INITIAL SECOND CLOSED-IN	21	18.1	60.0	66.9	C
G	FINAL SECOND CLOSED-IN	21	30.9			
H	FINAL HYDROSTATIC	985	30.9			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
NET PAY (ft): _____
GROSS TESTED FOOTAGE: 16.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 1048.0
TOTAL DEPTH (ft): 2000.0
PACKER DEPTH(S) (ft): 1978, 1984
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.40
MUD VISCOSITY (sec): 42
ESTIMATED HOLE TEMP. (°F): 79
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 00885000

DATE: 7-22-90 TEST NO: 2

TYPE DST: OPEN HOLE

FIELD CAMP: PRATT.

TESTER: L.R. PARKER

WITNESS: T. ELSTER

DRILLING CONTRACTOR: WHITE AND ELLIS #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
cu.ft. OF GAS: _____
cc OF OIL: _____
cc OF WATER: _____
cc OF MUD: _____
TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ____ °F
GAS/OIL RATIO (cu.ft. per bbl): _____
GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

5' OF DRILLING MUD WITH A FEW SPECKS OF OIL ON TOP OF GAUGE

MEASURED FROM TESTER VALVE

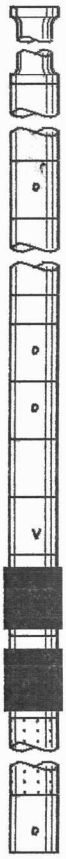
REMARKS:

----------TIGHT HOLE INFORMATION----------

TYPE & SIZE MEASURING DEVICE:	TICKET NO: 00885000

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
7-22-90					STAYED ON LOCATION BY REQUEST
2345					PICKED UP TOOL
2355					TOOL IN TABLE
2400					TOOL THRU TABLE
7-23-90					
0055					ON BOTTOM
0100	BH				OPENED TOOL WITH VERY, VERY
					WEAK BLOW, 1/16 OF AN INCH
0125					BLOW DEAD IN 25 MINUTES
0145					CLOSED TOOL
0245					REOPENED TOOL WITH NO BLOW
0315					CLOSED TOOL
0415					OFF BOTTOM
0510					TOOL IN TABLE

TICKET NO. 00885000



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	1713.0	
3	DRILL COLLARS.....	6.000	2.250	120.0	
50	IMPACT REVERSING SUB.....	6.000	2.750	1.0	1832.5
3	DRILL COLLARS.....	6.000	2.250	121.0	
5	CROSSOVER.....	6.000	2.250	1.0	
12	DUAL CIP VALVE.....	5.000	0.870	6.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	1966.0
80	AP RUNNING CASE.....	5.000	2.250	4.0	1968.0
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	1978.0
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	1984.0
20	FLUSH JOINT ANCHOR.....	5.000	2.370	10.0	
81	BLANKED-OFF RUNNING CASE.....	5.000		4.0	1997.0
	TOTAL DEPTH				2000.0

EQUIPMENT DATA

TUNISON JR	1	3	2226.0 - 2260.0	PAN WESTERN PETROLEUM, INC.
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME

LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE
21-32S-10W		CHAUTAUQUA	KANSAS SM

21-32S-10E

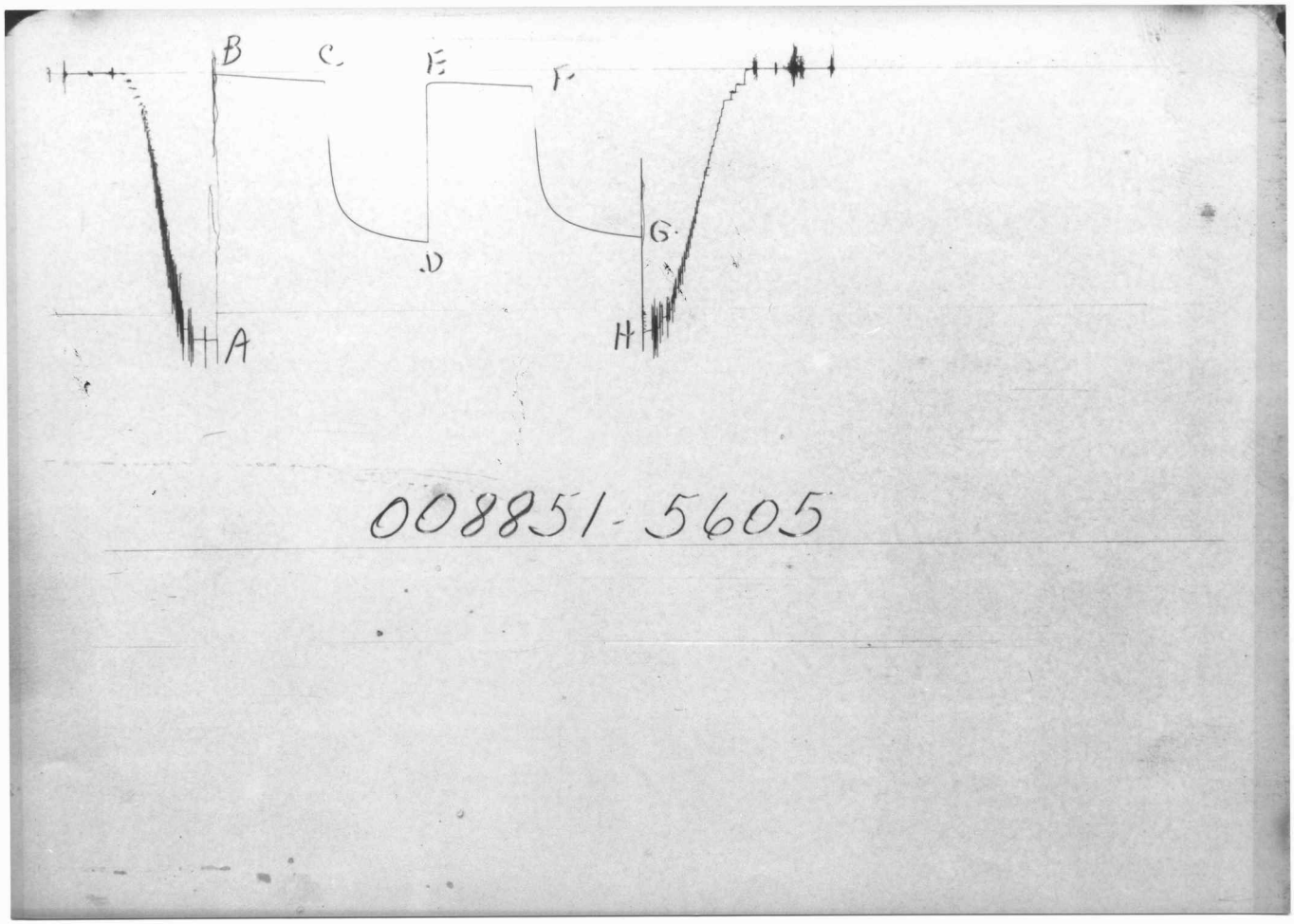
PAN WESTERN PETROLEUM, INC.

LEASE : TUNISON JR

WELL NO.: 1

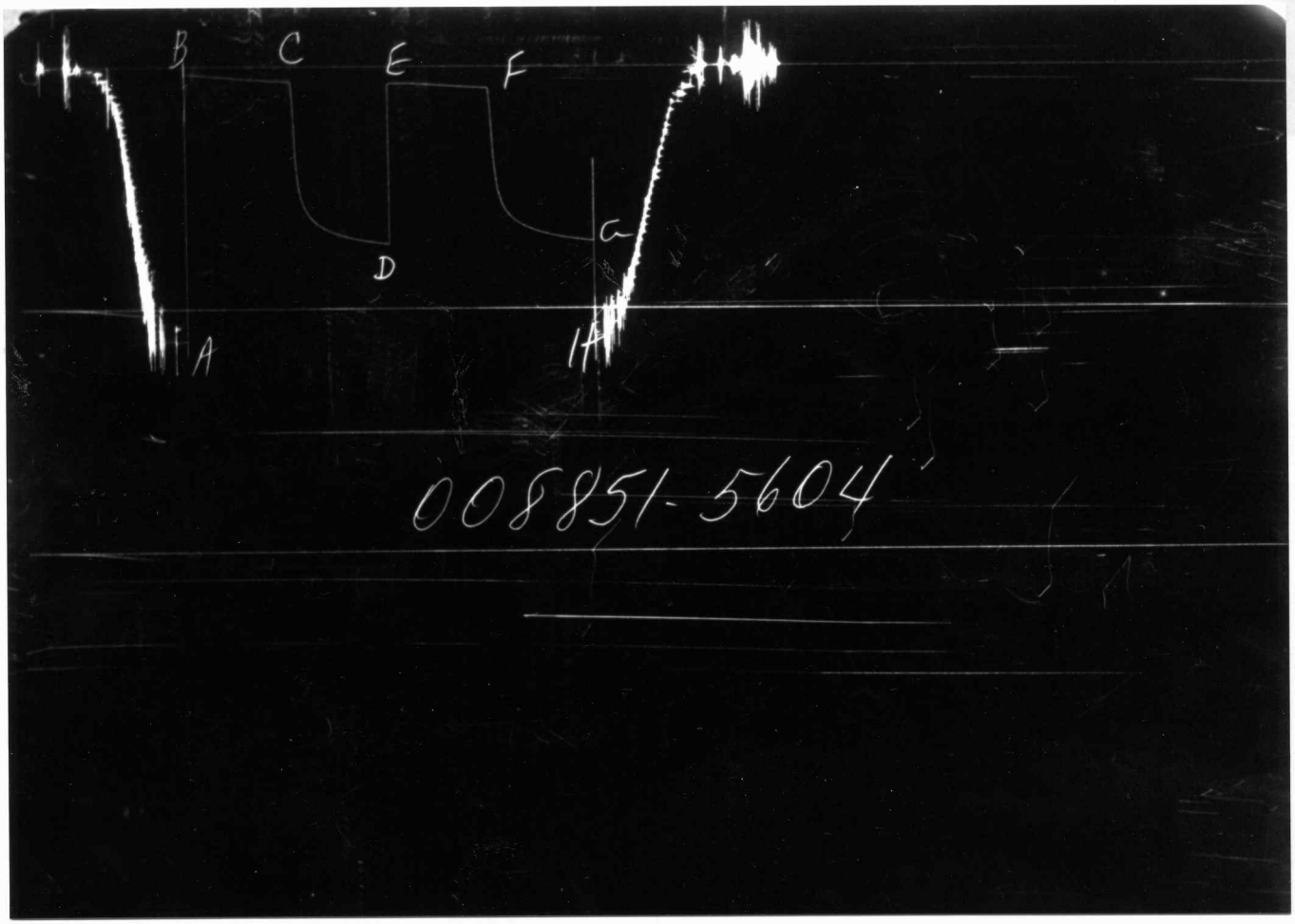
TEST NO.: 3

TICKET NO. 00885100
27-JUL-90
PRATT.



GAUGE NO: 5605 DEPTH: 2210.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		1115.0			
B	INITIAL FIRST FLOW		8.8	60.0	62.2	F
C	FINAL FIRST FLOW		41.4			
C	INITIAL FIRST CLOSED-IN		41.4	60.0	57.3	C
D	FINAL FIRST CLOSED-IN		714.9			
E	INITIAL SECOND FLOW		64.1	60.0	58.7	F
F	FINAL SECOND FLOW		67.7			
F	INITIAL SECOND CLOSED-IN		67.7	60.0	61.8	C
G	FINAL SECOND CLOSED-IN		703.0			
H	FINAL HYDROSTATIC		1089.8			



GAUGE NO: 5604 DEPTH: 2257.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1107	1128.6			
B	INITIAL FIRST FLOW	21	28.3	60.0	62.2	F
C	FINAL FIRST FLOW	51	61.7			
C	INITIAL FIRST CLOSED-IN	51	61.7	60.0	57.3	C
D	FINAL FIRST CLOSED-IN	719	728.7			
E	INITIAL SECOND FLOW	51	72.8	60.0	58.7	F
F	FINAL SECOND FLOW	93	87.8			
F	INITIAL SECOND CLOSED-IN	93	87.8	60.0	61.8	C
G	FINAL SECOND CLOSED-IN	708	715.4			
H	FINAL HYDROSTATIC	1066	1104.2			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
NET PAY (ft): _____
GROSS TESTED FOOTAGE: 34.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 1048.0
TOTAL DEPTH (ft): 2260.0
PACKER DEPTH(S) (ft): 2220, 2226
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.60
MUD VISCOSITY (sec): _____
ESTIMATED HOLE TEMP. (°F): 92
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 00885100

DATE: 7-24-90 TEST NO: 3

TYPE DST: OPEN HOLE

FIELD CAMP: PRATT.

TESTER: L.R. PARKER

WITNESS: T. ELSTER

DRILLING CONTRACTOR: WHITE AND ELLIS #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
cu.ft. OF GAS: _____
cc OF OIL: _____
cc OF WATER: _____
cc OF MUD: _____
TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ____ °F
GAS/OIL RATIO (cu.ft. per bbl): _____
GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

125 FEET OF DRILLING MUD WITH FEW SPECKS OF OIL AND RAINBOW IN MUD

MEASURED FROM TESTER VALVE

REMARKS:

----------TIGHT HOLE INFORMATION----------

TYPE & SIZE MEASURING DEVICE: ______________________ | TICKET NO: 00885100

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
7-24-90					
0420					CALLED OUT
0520					ON LOCATION
0535					PICKED UP TOOLS
0555					TOOL IN TABLE
0600					TOOL THROUGH TABLE
0656					ON BOTTOM
0700	BH				OPENED TOOL WITH 1/4" BLOW.
					REMAINED STEADY THROUGHOUT
					FIRST PERIOD
0800	BH				CLOSED TOOL
0900	BH				REOPENED TOOL WITH NO BLOW.
					STARTED WEAK BLOW IN 15 MINUTES
					REMAINED WEAK (1/4") FOR
					REST OF 2ND FLOW PERIOD
1000	BH				CLOSED TOOL
1100					OFF BOTTOM
1205					TOOL IN TABLE

TICKET NO: 00885100

CLOCK NO: 2670 HOUR: 12

GAUGE NO: 5605

DEPTH: 2210.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	8.8			
	2	5.0	10.0	1.2		
	3	10.0	13.3	3.3		
	4	15.0	15.9	2.6		
	5	20.0	19.9	3.9		
	6	25.0	22.8	2.9		
	7	30.0	25.1	2.4		
	8	35.0	28.0	2.9		
	9	40.0	31.0	3.0		
	10	45.0	33.3	2.3		
	11	50.0	36.2	2.9		
	12	55.0	38.7	2.5		
C	13	62.2	41.4	2.7		
			FIRST CLOSED-IN			
C	1	0.0	41.4			
	2	1.0	160.4	119.1	1.0	1.785
	3	2.0	313.8	272.4	1.9	1.508
	4	3.0	418.7	377.3	2.9	1.337
	5	4.0	470.7	429.3	3.7	1.222
	6	5.0	506.2	464.8	4.6	1.131
	7	6.0	531.9	490.5	5.5	1.056
	8	7.0	549.8	508.4	6.3	0.994
	9	8.0	564.1	522.7	7.1	0.943
	10	9.0	579.0	537.6	7.9	0.897
	11	10.0	588.5	547.1	8.6	0.858
	12	12.0	606.6	565.2	10.1	0.791
	13	14.0	621.5	580.1	11.4	0.735
	14	16.0	632.8	591.4	12.7	0.689
	15	18.0	642.7	601.3	14.0	0.649
	16	20.0	652.1	610.7	15.1	0.614
	17	22.0	658.6	617.2	16.3	0.583
	18	24.0	664.9	623.5	17.3	0.555
	19	26.0	670.8	629.4	18.4	0.530
	20	28.0	675.8	634.4	19.3	0.509
	21	30.0	680.5	639.1	20.2	0.488
	22	35.0	689.7	648.3	22.4	0.444
	23	40.0	697.9	656.5	24.3	0.408
	24	45.0	704.0	662.6	26.1	0.377
	25	50.0	709.1	667.8	27.7	0.351
	26	55.0	713.4	672.0	29.2	0.328
D	27	57.3	714.9	673.5	29.8	0.319
			SECOND FLOW			
E	1	0.0	64.1			
	2	5.0	49.1	-15.0		
	3	10.0	49.1	0.0		
	4	15.0	49.6	0.5		

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	5	20.0	51.7	2.1		
	6	25.0	54.0	2.3		
	7	30.0	55.6	1.7		
	8	35.0	58.3	2.7		
	9	40.0	60.2	1.9		
	10	45.0	62.2	2.1		
	11	50.0	64.5	2.3		
	12	55.0	66.3	1.8		
F	13	58.7	67.7	1.4		
			SECOND CLOSED-IN			
F	1	0.0	67.7			
	2	1.0	157.3	89.6	1.0	2.080
	3	2.0	265.5	197.7	2.0	1.785
	4	3.0	370.3	302.6	2.9	1.614
	5	4.0	435.5	367.7	3.8	1.499
	6	5.0	483.2	415.5	4.8	1.401
	7	6.0	509.8	442.1	5.7	1.327
	8	7.0	532.0	464.3	6.6	1.260
	9	8.0	548.4	480.7	7.5	1.209
	10	9.0	561.6	493.8	8.4	1.160
	11	10.0	572.6	504.9	9.3	1.116
	12	12.0	591.3	523.6	10.9	1.044
	13	14.0	605.2	537.4	12.5	0.984
	14	16.0	617.1	549.3	14.1	0.932
	15	18.0	627.1	559.4	15.7	0.887
	16	20.0	635.9	568.1	17.2	0.847
	17	22.0	642.8	575.0	18.6	0.813
	18	24.0	648.8	581.0	20.0	0.781
	19	26.0	654.5	586.7	21.4	0.752
	20	28.0	659.5	591.8	22.8	0.725
	21	30.0	664.2	596.5	24.1	0.701
	22	35.0	673.6	605.8	27.1	0.649
	23	40.0	681.2	613.5	30.1	0.604
	24	45.0	687.3	619.6	32.8	0.567
	25	50.0	692.7	624.9	35.4	0.534
	26	55.0	697.6	629.8	37.8	0.505
G	27	61.8	703.0	635.3	40.9	0.471

REMARKS:

TICKET NO: 00885100

CLOCK NO: 14285 HOUR: 12

GAUGE NO: 5604

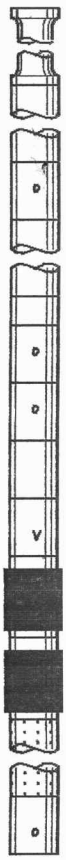
DEPTH: 2257.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	28.3			
	2	5.0	31.1	2.8		
	3	10.0	35.0	3.9		
	4	15.0	37.6	2.6		
	5	20.0	40.7	3.2		
	6	25.0	43.4	2.7		
	7	30.0	46.6	3.2		
	8	35.0	50.1	3.5		
	9	40.0	52.8	2.7		
	10	45.0	54.6	1.9		
	11	50.0	57.3	2.7		
	12	55.0	59.1	1.7		
C	13	62.2	61.7	2.7		
			FIRST CLOSED-IN			
C	1	0.0	61.7			
	2	1.0	156.2	94.4	1.0	1.795
	3	2.0	302.4	240.6	1.9	1.514
	4	3.0	422.4	360.7	2.9	1.338
	5	4.0	482.7	421.0	3.7	1.221
	6	5.0	523.2	461.5	4.6	1.130
	7	6.0	549.3	487.6	5.5	1.054
	8	7.0	567.7	506.0	6.3	0.997
	9	8.0	583.8	522.1	7.1	0.944
	10	9.0	598.2	536.4	7.8	0.900
	11	10.0	609.1	547.4	8.6	0.860
	12	12.0	627.2	565.5	10.1	0.791
	13	14.0	641.2	579.5	11.5	0.735
	14	16.0	651.7	590.0	12.7	0.689
	15	18.0	661.0	599.3	14.0	0.649
	16	20.0	669.3	607.6	15.1	0.614
	17	22.0	675.9	614.1	16.3	0.583
	18	24.0	682.1	620.4	17.3	0.555
	19	26.0	687.3	625.6	18.3	0.531
	20	28.0	691.8	630.1	19.3	0.508
	21	30.0	696.0	634.3	20.3	0.487
	22	35.0	704.6	642.9	22.4	0.444
	23	40.0	712.2	650.4	24.4	0.407
	24	45.0	717.9	656.2	26.1	0.377
	25	50.0	723.0	661.3	27.7	0.351
	26	55.0	726.8	665.1	29.2	0.329
D	27	57.3	728.7	667.0	29.8	0.319
			SECOND FLOW			
E	1	0.0	72.8			
	2	5.0	68.6	-4.2		
	3	10.0	68.6	0.0		
	4	15.0	69.8	1.1		

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	5	20.0	71.3	1.5		
	6	25.0	73.6	2.3		
	7	30.0	76.1	2.6		
	8	35.0	78.3	2.2		
	9	40.0	80.7	2.4		
	10	45.0	82.6	2.0		
	11	50.0	84.6	2.0		
	12	55.0	86.6	2.1		
F	13	58.7	87.8	1.1		
			SECOND CLOSED-IN			
F	1	0.0	87.8			
	2	1.0	147.7	60.0	1.0	2.068
	3	2.0	250.1	162.3	2.0	1.780
	4	3.0	361.4	273.7	3.0	1.613
	5	4.0	433.8	346.1	3.9	1.491
	6	5.0	483.3	395.6	4.8	1.402
	7	6.0	518.7	431.0	5.7	1.326
	8	7.0	540.4	452.6	6.6	1.262
	9	8.0	559.5	471.8	7.5	1.206
	10	9.0	575.3	487.5	8.4	1.158
	11	10.0	587.1	499.4	9.3	1.115
	12	12.0	606.3	518.6	10.9	1.043
	13	14.0	621.3	533.5	12.6	0.983
	14	16.0	632.6	544.9	14.2	0.932
	15	18.0	641.8	554.1	15.7	0.888
	16	20.0	650.5	562.8	17.2	0.848
	17	22.0	657.9	570.1	18.6	0.813
	18	24.0	663.4	575.6	20.0	0.781
	19	26.0	669.5	581.8	21.4	0.752
	20	28.0	674.0	586.3	22.8	0.725
	21	30.0	678.6	590.9	24.1	0.701
	22	35.0	687.5	599.8	27.2	0.649
	23	40.0	694.9	607.1	30.1	0.605
	24	45.0	701.1	613.4	32.8	0.567
	25	50.0	706.3	618.6	35.4	0.534
	26	55.0	710.4	622.7	37.8	0.505
G	27	61.8	715.4	627.7	40.9	0.471

REMARKS:

TICKET NO. 00885100



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	1955.0	
3	DRILL COLLARS.....	6.000	2.250	120.0	
50	IMPACT REVERSING SUB.....	6.000	2.750	1.0	2075.5
3	DRILL COLLARS.....	6.000	2.250	121.0	
5	CROSSOVER.....	6.000	2.250	1.0	
12	DUAL CIP VALVE.....	5.000	0.870	6.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	2208.0
80	AP RUNNING CASE.....	5.000	2.250	4.0	2210.0
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	2220.0
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	2226.0
20	FLUSH JOINT ANCHOR.....	5.000	2.370	28.0	
81	BLANKED-OFF RUNNING CASE.....	5.000		4.0	2257.0
	TOTAL DEPTH				2260.0

EQUIPMENT DATA