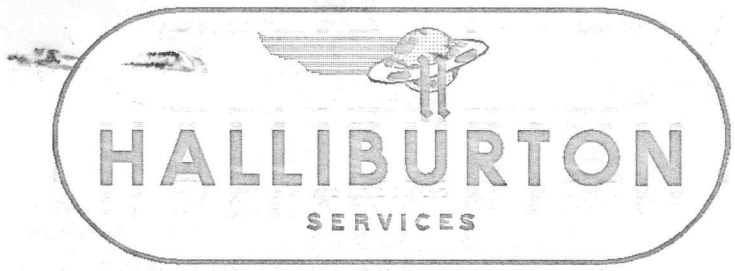


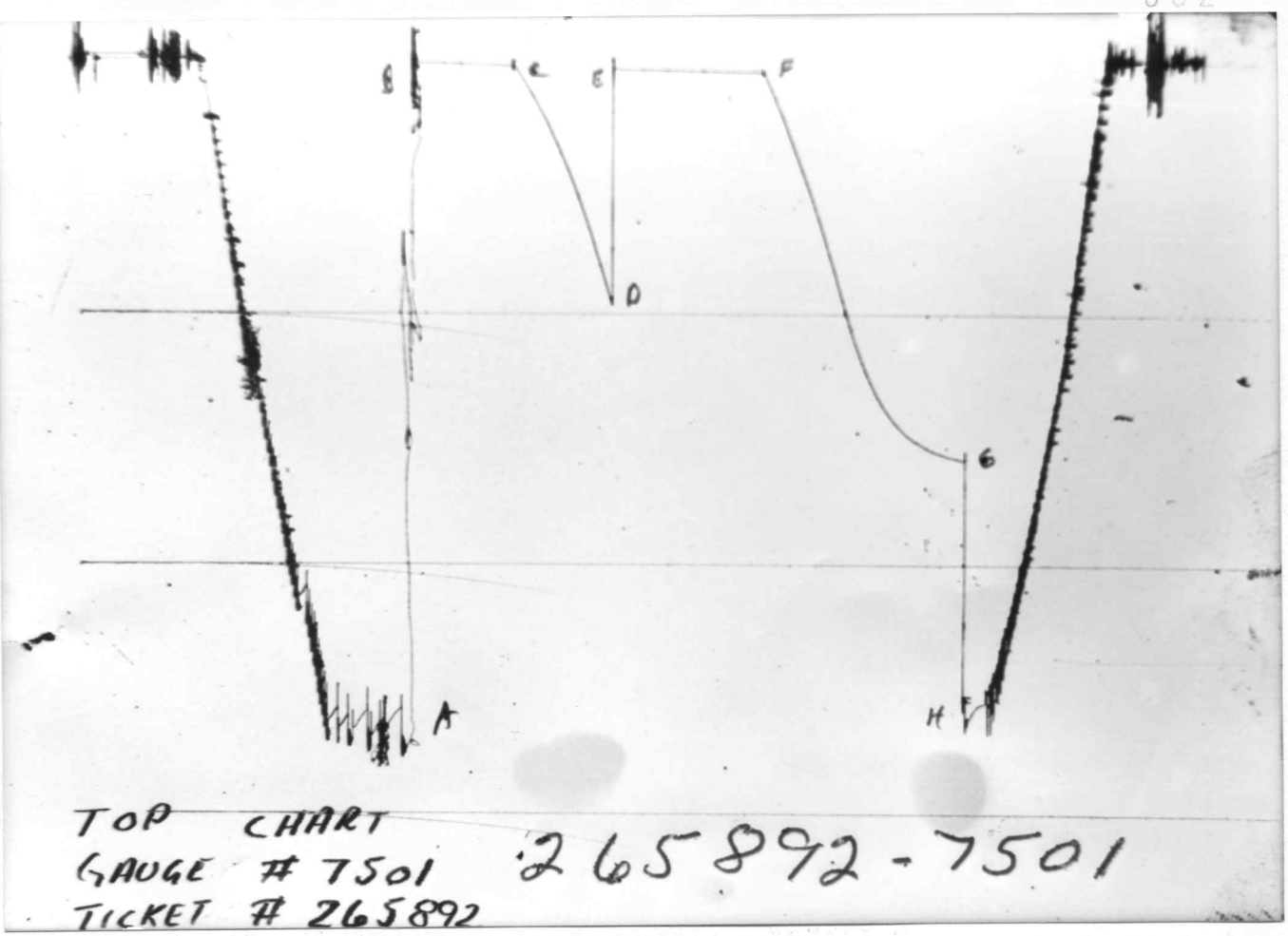
TICKET NO. 26589200

06-APR-82

PRATT

FORMATION TESTING SERVICE REPORT

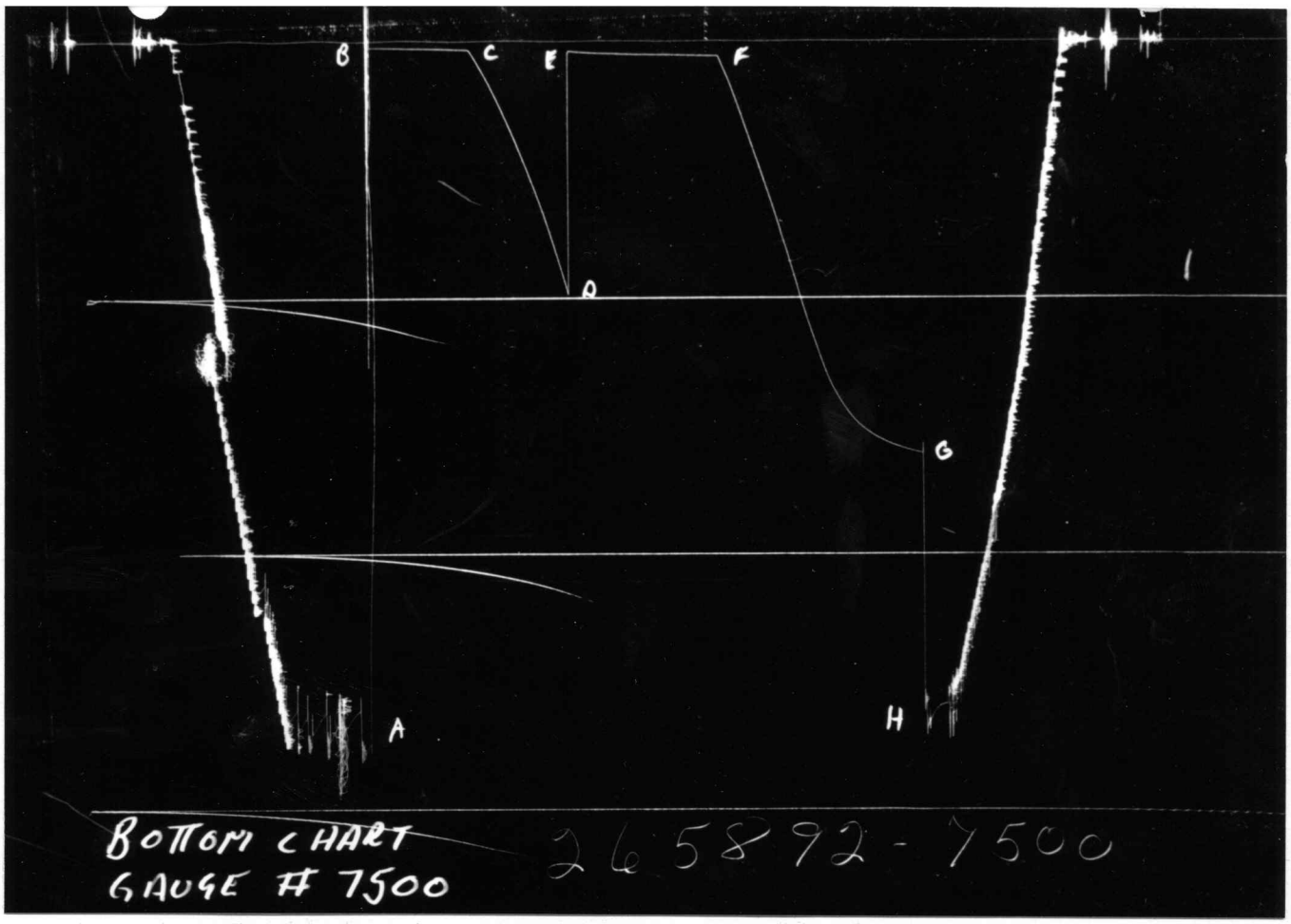
ALTON UNRUH	3	5	5080.' - 5092.'	THE MAURICE L. BROWN COMPANY	
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	20-30S-18W	FIELD AREA	WILMORE	COUNTY KIOWA	STATE KANSAS
					BJ-DR



TOP CHART
GAUGE # 7501 265892-7501
TICKET # 265892

GAUGE NO: 7501 DEPTH: 5061.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2600.3			
B	INITIAL FIRST FLOW		9.7	60.0	60.5	F
C	FINAL FIRST FLOW		23.2			
C	INITIAL FIRST CLOSED-IN		23.2	60.0	59.0	C
D	FINAL FIRST CLOSED-IN		983.4			
E	INITIAL SECOND FLOW		32.8	90.0	89.9	F
F	FINAL SECOND FLOW		44.7			
F	INITIAL SECOND CLOSED-IN		44.7	120.0	120.6	C
G	FINAL SECOND CLOSED-IN		1600.4			
H	FINAL HYDROSTATIC		2570.8			



GAUGE NO: 7500 DEPTH: 5089.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2630.5				
B	INITIAL FIRST FLOW	29.3		60.0	60.5	F
C	FINAL FIRST FLOW	37.8				
C	INITIAL FIRST CLOSED-IN	37.8		60.0	59.0	C
D	FINAL FIRST CLOSED-IN	1001.9				
E	INITIAL SECOND FLOW	48.5		90.0	89.9	F
F	FINAL SECOND FLOW	61.9				
F	INITIAL SECOND CLOSED-IN	61.9		120.0	120.6	C
G	FINAL SECOND CLOSED-IN	1624.1				
H	FINAL HYDROSTATIC	2603.7				

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
NET PAY (ft):
GROSS TESTED FOOTAGE: 12.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 2173
TOTAL DEPTH (ft): 5092.0
PACKER DEPTH(S) (ft):
FINAL SURFACE CHOKE (in): 0.250
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.70
MUD VISCOSITY (sec): 57
ESTIMATED HOLE TEMP. (°F): 121
ACTUAL HOLE TEMP. (°F): ___ @ ___ ft

TICKET NUMBER: 26589200

DATE: 3-29-82 TEST NO: 5

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: PRATT

TESTER: ROBERT E. MARTIN

WITNESS: RAYMOND PALMER

DRILLING CONTRACTOR: ABERCROMBIE RIG # 6

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
PIT	___ @ ___ °F	31000 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:

30' OF SLIGHTLY OIL AND GAS CUT MUD
95' OF SLIGHTLY MUD CUT OIL AND GAS CUT MUD

MEASURED FROM TESTER VALVE

REMARKS:

TOP OF RECOVERY IS 75% OIL AT 38 DEGREES API
BOTTOM OF RECOVERY IS 40% OIL AT 38 DEGREES API

TYPE & SIZE MEASURING DEVICE: MERLA WELL TESTER | TICKET NO: 26589200

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
3-29-82					STAYED ON LOCATION
2030					STARTED CLOCKS
2110					PICKED UP TOOLS
2124					TOOL AT TABLE
2130					TOOL THROUGH TABLE
2342					TOOL ON BOTTOM
2345					OPENED TOOL WITH A WEAK BLOW,
					BUILDING THROUGHOUT TO A
					STRONG BLOW
3-30-82					
0045					CLOSED TOOL
0145					OPENED TOOL WITH A STRONG BLOW,
					GAS TO SURFACE IMMEDIATELY, GAS
					UNMEASURABLE
0315					CLOSED TOOL
0515					TOOL OFF BOTTOM, BYPASS OPEN
0700					TOOL AT TABLE
0740					TOOL LAID DOWN

TICKET NO: 26589200

CLOCK NO: 25710 HOUR: 12

HALLIBURTON SERVICES

GAUGE NO: 7501

DEPTH: 5061.0

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	9.7			
2	10.0	12.8	3.1		
3	20.0	14.2	1.4		
4	30.0	15.6	1.5		
5	40.0	17.2	1.6		
6	50.0	19.9	2.7		
C 7	60.5	23.2	3.3		
FIRST CLOSED-IN					
C 1	0.0	23.2			
D 2	59.0	983.4	960.2	29.9	0.307
SECOND FLOW					
E 1	0.0	32.8			
2	15.0	37.1	4.4		
3	30.0	38.5	1.4		
4	45.1	40.9	2.4		
5	60.0	43.1	2.2		
6	75.0	44.6	1.5		
F 7	89.9	44.7	0.1		
SECOND CLOSED-IN					
F 1	0.0	44.7			
2	10.5	189.2	144.6	9.8	1.186
3	20.1	372.7	328.0	17.7	0.929
4	30.7	564.4	519.7	25.5	0.771
5	40.0	783.6	738.9	31.6	0.677
6	50.0	1019.0	974.4	37.5	0.603
7	60.0	1222.9	1178.2	42.9	0.545
8	70.0	1364.6	1320.0	47.8	0.498
9	80.0	1461.4	1416.8	52.2	0.459
10	90.0	1521.2	1476.5	56.3	0.427
11	100.5	1559.2	1514.5	60.2	0.397
12	110.0	1583.2	1538.5	63.5	0.374
G 13	120.6	1600.4	1555.7	66.9	0.352

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$

REMARKS:

TICKET NO: 26589200	GAUGE NO: 7500
CLOCK NO: 2476 HOUR: 12	DEPTH: 5089.0

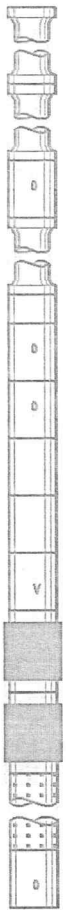
HALLIBURTON SERVICES

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	29.3			
	2	10.0	28.8	-0.5		
	3	20.0	29.9	1.1		
	4	30.0	31.7	1.8		
	5	40.0	32.8	1.1		
	6	50.0	35.3	2.6		
C	7	60.5	37.8	2.5		
			FIRST CLOSED-IN			
C	1	0.0	37.8			
D	2	59.0	1001.9	964.0	29.9	0.307
			SECOND FLOW			
E	1	0.0	48.5			
	2	15.0	50.4	1.9		
	3	30.0	53.5	3.1		
	4	45.0	56.2	2.8		
	5	60.0	57.3	1.1		
	6	75.0	60.0	2.7		
F	7	89.9	61.9	1.9		
			SECOND CLOSED-IN			
F	1	0.0	61.9			
	2	10.0	224.7	162.8	9.4	1.205
	3	20.1	421.0	359.1	17.7	0.929
	4	30.0	615.9	554.0	25.0	0.779
	5	40.0	826.1	764.2	31.6	0.678
	6	50.0	1052.3	990.5	37.5	0.603
	7	60.0	1249.4	1187.5	42.9	0.545
	8	70.0	1401.3	1339.4	47.8	0.498
	9	80.0	1492.6	1430.7	52.2	0.459
	10	90.0	1548.0	1486.2	56.3	0.427
	11	100.0	1583.4	1521.5	60.1	0.399
	12	110.0	1606.7	1544.9	63.5	0.374
G	13	120.6	1624.1	1562.2	66.9	0.352

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$

REMARKS:

TICKET NO. 26589200



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	4663.0	
4	FLEX WEIGHT.....	4.500	2.764	191.0	
50	IMPACT REVERSING SUB.....	5.625	2.000	1.0	4854.0
4	FLEX WEIGHT.....	4.500	2.764	192.0	
5	CROSSOVER.....	5.000	2.000	1.0	
12	DUAL CIP VALVE.....	5.000	0.870	5.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	5053.0
80	AP RUNNING CASE.....	5.000	3.060	4.0	5061.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	5074.0
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	5080.0
20	FLUSH JOINT ANCHOR.....	5.000	2.370	6.0	
81	BLANKED-OFF RUNNING CASE.....	5.000	3.060	4.0	5089.0

TOTAL DEPTH 5092.0

EQUIPMENT DATA