

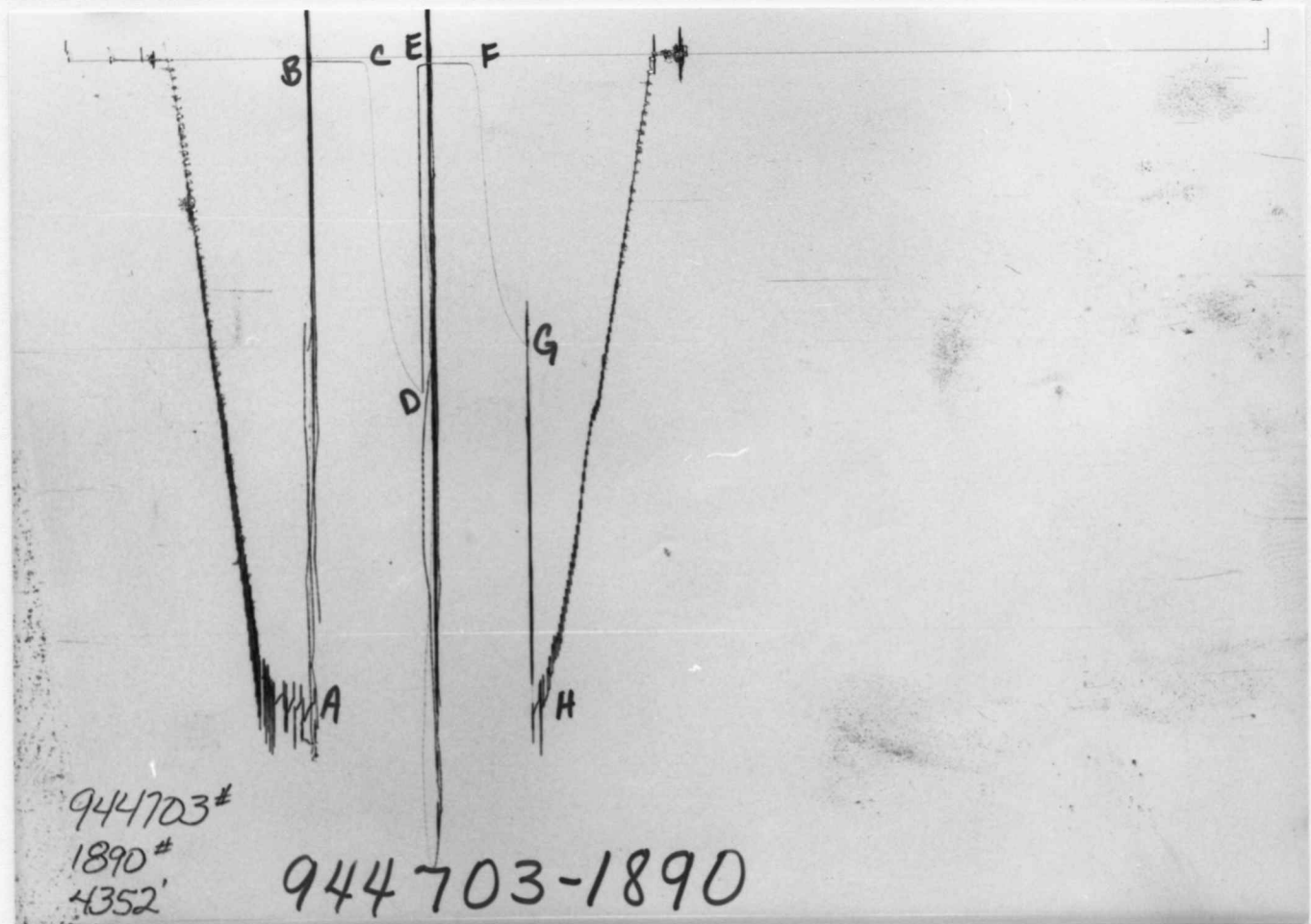
507

I.R. PEMBER		1	1	4374.1 - 4400.1	SPINES EXPLORATION, INCORPORATED	
LEASE NAME		WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION	21-20-24				COUNTY	NESS
SEC. - TYP. - RNG.					STATE	KANSAS
						BG



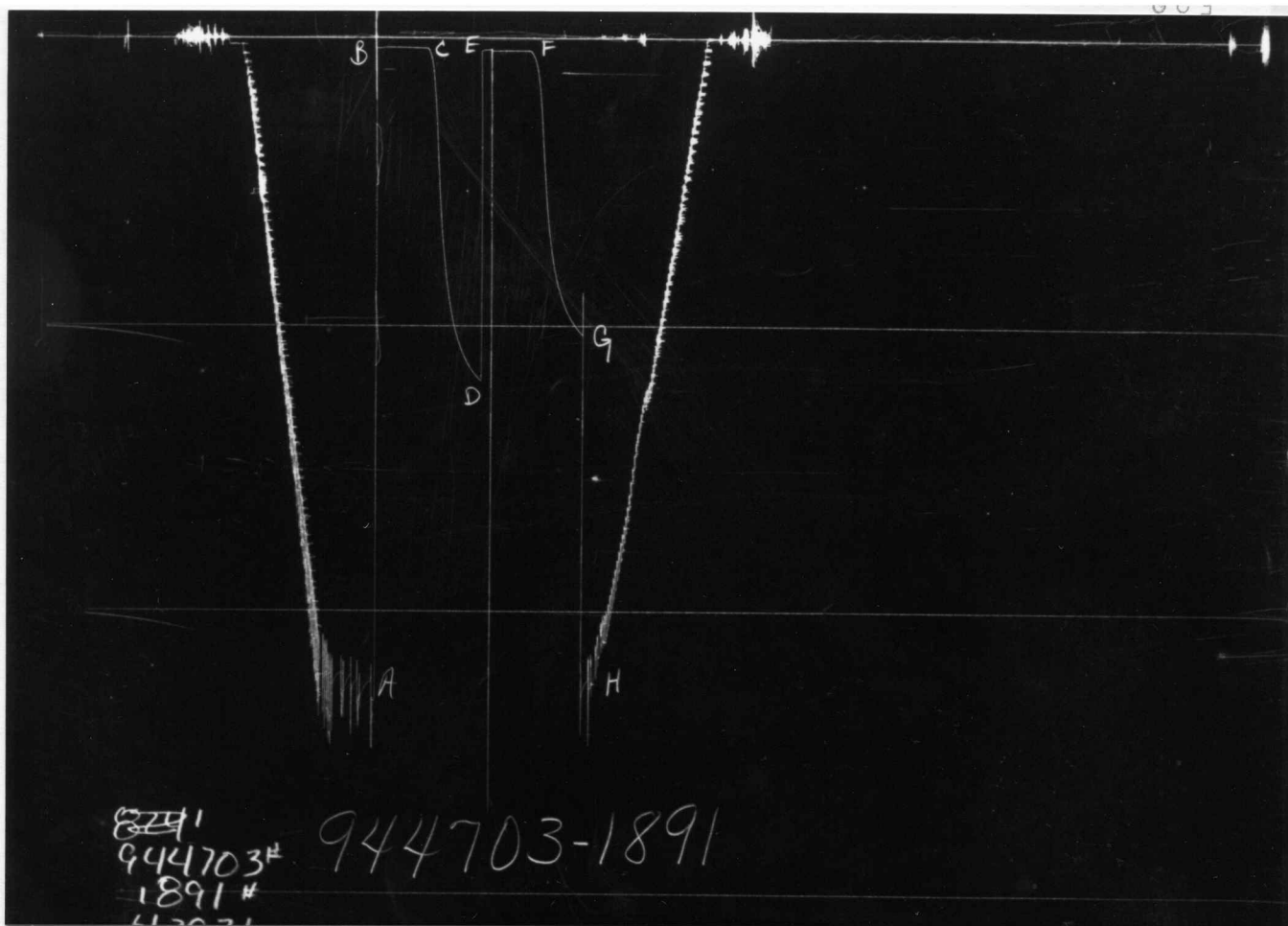
TICKET NO. 94470300
28-DEC-84
HAYS

FORMATION TESTING SERVICE REPORT



GAUGE NO: 1890 DEPTH: 4352.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2228.5			
B	INITIAL FIRST FLOW		10.3			
C	FINAL FIRST FLOW		14.6	30.0	30.5	F
C	INITIAL FIRST CLOSED-IN		14.6			
D	FINAL FIRST CLOSED-IN		1164.0	30.0	31.4	C
E	INITIAL SECOND FLOW		26.6			
F	FINAL SECOND FLOW		23.6	30.0	29.5	F
F	INITIAL SECOND CLOSED-IN		23.6			
G	FINAL SECOND CLOSED-IN		1005.2	30.0	30.6	C
H	FINAL HYDROSTATIC		2223.5			



GAUGE NO: 1891 DEPTH: 4397.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2306	2247.6			
B	INITIAL FIRST FLOW	35	34.6			
C	FINAL FIRST FLOW	35	35.6	30.0	30.5	F
C	INITIAL FIRST CLOSED-IN	35	35.6			
D	FINAL FIRST CLOSED-IN	1165	1191.5	30.0	31.4	C
E	INITIAL SECOND FLOW	35	40.0			
F	FINAL SECOND FLOW	52	44.0	30.0	29.5	F
F	INITIAL SECOND CLOSED-IN	52	44.0			
G	FINAL SECOND CLOSED-IN	1043	1032.8	30.0	30.6	C
H	FINAL HYDROSTATIC	2288	2244.7			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
 NET PAY (ft): 4.0
 GROSS TESTED FOOTAGE: 26.0
 ALL DEPTHS MEASURED FROM: KB
 CASING PERFS. (ft):
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 0
 TOTAL DEPTH (ft): 4400.0
 PACKER DEPTH(S) (ft): 4367, 4374
 FINAL SURFACE CHOKE (in):
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.80
 MUD VISCOSITY (sec): 46
 ESTIMATED HOLE TEMP. (°F): 114
 ACTUAL HOLE TEMP. (°F): @ ft

TICKET NUMBER: 94470300DATE: 12-21-84 TEST NO: 1TYPE DST: OPEN HOLEHALLIBURTON CAMP:
HAYSTESTER: MORGANWITNESS: DRILLING CONTRACTOR:
RED TIGER DRILLING COMPANY #4FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>RECOVERY</u>	<u> </u> @ <u> </u> °F	<u>47000</u> ppm
<u> </u>	<u> </u> @ <u> </u> °F	<u> </u> ppm
<u> </u>	<u> </u> @ <u> </u> °F	<u> </u> ppm
<u> </u>	<u> </u> @ <u> </u> °F	<u> </u> ppm
<u> </u>	<u> </u> @ <u> </u> °F	<u> </u> ppm
<u> </u>	<u> </u> @ <u> </u> °F	<u> </u> 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
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

RECOVERED:

10' OF FLUID
 (20% OIL, 10% WATER AND 70% MUD)

MEASURED FROM
TESTER VALVE

REMARKS:

TYPE & SIZE MEASURING DEVICE: _____

TICKET NO: 94470300[illegible]

TICKET NO: 94470300

CLOCK NO: 3121 HOUR: 12



GAUGE NO: 1890

DEPTH: 4352.0

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	10.3			
2	5.0	11.7	1.4		
3	10.0	11.7	0.0		
4	15.0	12.5	0.7		
5	20.0	12.5	0.0		
6	25.0	13.7	1.3		
C 7	30.5	14.6	0.9		
FIRST CLOSED-IN					
C 1	0.0	14.6			
2	2.0	19.6	5.0	1.9	1.212
3	4.0	71.6	57.0	3.6	0.931
4	6.0	333.8	319.2	5.0	0.785
5	8.0	587.9	573.2	6.3	0.683
6	10.0	738.9	724.3	7.5	0.607
7	12.0	849.7	835.0	8.6	0.549
8	14.0	928.4	913.8	9.6	0.502
9	16.0	985.4	970.8	10.5	0.463
10	18.0	1025.9	1011.3	11.3	0.430
11	20.0	1059.4	1044.8	12.1	0.402
12	22.0	1085.4	1070.8	12.8	0.377
13	24.0	1107.9	1093.2	13.4	0.356
14	26.0	1126.7	1112.1	14.0	0.337
15	28.0	1142.9	1128.3	14.6	0.320
16	30.0	1157.5	1142.9	15.1	0.304
D 17	31.4	1164.0	1149.4	15.5	0.294
SECOND FLOW					
E 1	0.0	26.6			
2	5.0	25.4	-1.3		
3	10.0	22.1	-3.2		
4	15.0	22.7	0.5		
5	20.0	22.7	0.0		
6	25.0	23.2	0.5		
F 7	29.5	23.6	0.4		
SECOND CLOSED-IN					
F 1	0.0	23.6			
2	2.0	29.7	6.1	1.9	1.495
3	4.0	60.2	36.6	3.7	1.206
4	6.0	157.2	133.7	5.4	1.043
5	8.0	410.4	386.9	7.0	0.930
6	10.0	586.0	562.5	8.6	0.844
7	12.0	701.1	677.5	10.0	0.778
8	14.0	773.4	749.8	11.3	0.723
9	16.0	829.5	806.0	12.6	0.677

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
10	18.0	870.4	846.8	13.9	0.636
11	20.0	902.9	879.3	15.0	0.602
12	22.0	930.0	906.4	16.1	0.571
13	24.0	950.2	926.6	17.1	0.544
14	26.0	970.0	946.4	18.2	0.519
15	28.0	987.7	964.1	19.1	0.497
16	30.0	1000.7	977.2	20.0	0.477
G 17	30.6	1005.2	981.7	20.3	0.471

REMARKS:

TICKET NO: 94470300

CLOCK NO: 11657 HOUR: 12



HALLIBURTON

 SERVICES

GAUGE NO: 1891

DEPTH: 4397.0

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	34.6			
2	5.0	32.1	-2.5		
3	10.0	32.1	0.0		
4	15.0	32.1	0.0		
5	20.0	32.9	0.8		
6	25.0	34.1	1.2		
C 7	30.5	35.6	1.5		

FIRST CLOSED-IN					
C 1	0.0	35.6			
2	2.0	62.5	26.9	1.9	1.208
3	4.0	147.9	112.3	3.5	0.939
4	6.0	420.0	384.4	5.0	0.782
5	8.0	653.5	617.9	6.3	0.682
6	10.0	786.3	750.7	7.5	0.609
7	12.0	889.1	853.4	8.6	0.549
8	14.0	961.8	926.2	9.6	0.502
9	16.0	1016.6	981.0	10.5	0.463
10	18.0	1058.1	1022.5	11.3	0.430
11	20.0	1089.8	1054.2	12.1	0.402
12	22.0	1116.3	1080.7	12.8	0.377
13	24.0	1138.4	1102.8	13.4	0.356
14	26.0	1156.9	1121.3	14.0	0.337
15	28.0	1171.9	1136.3	14.6	0.320
16	30.0	1185.8	1150.2	15.1	0.305
D 17	31.4	1191.5	1155.8	15.5	0.294

SECOND FLOW					
E 1	0.0	40.0			
2	5.0	40.5	0.4		
3	10.0	44.7	4.3		
4	15.0	44.0	-0.8		
5	20.0	44.0	0.0		
6	25.0	44.0	0.0		
F 7	29.5	44.0	0.1		

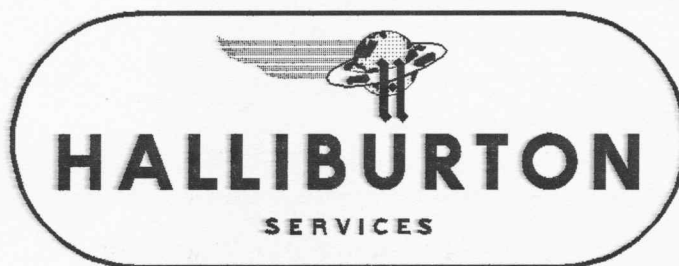
SECOND CLOSED-IN					
F 1	0.0	44.0			
2	2.0	63.4	19.3	1.9	1.489
3	4.0	103.1	59.1	3.7	1.205
4	6.0	205.3	161.3	5.4	1.042
5	8.0	435.6	391.5	7.1	0.928
6	10.0	615.8	571.7	8.6	0.846
7	12.0	728.0	684.0	10.0	0.777
8	14.0	805.1	761.1	11.4	0.722
9	16.0	860.0	815.9	12.6	0.676

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
10	18.0	899.6	855.5	13.9	0.636
11	20.0	931.9	887.9	15.0	0.602
12	22.0	958.5	914.5	16.1	0.572
13	24.0	980.6	936.5	17.1	0.544
14	26.0	999.2	955.2	18.1	0.520
15	28.0	1014.7	970.7	19.1	0.497
16	30.0	1028.5	984.5	20.0	0.477
G 17	30.6	1032.8	988.8	20.3	0.471

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3469.0	
4		FLEX WEIGHT.....	4.500	2.764	746.0	
50		IMPACT REVERSING SUB.....	5.750	2.750	1.0	4215.0
4		FLEX WEIGHT.....	4.500	2.764	124.0	
12		DUAL CIP VALVE.....	5.000	0.870	6.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4350.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	4352.0
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	5.0	4367.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4374.0
20		FLUSH JOINT ANCHOR.....	5.000	3.940	20.0	
83		HT-500 TEMPERATURE CASE.....	5.000		4.0	4397.0
TOTAL DEPTH						4400.0

EQUIPMENT DATA



TICKET NO. 94470400

28-DEC-84

HAYS

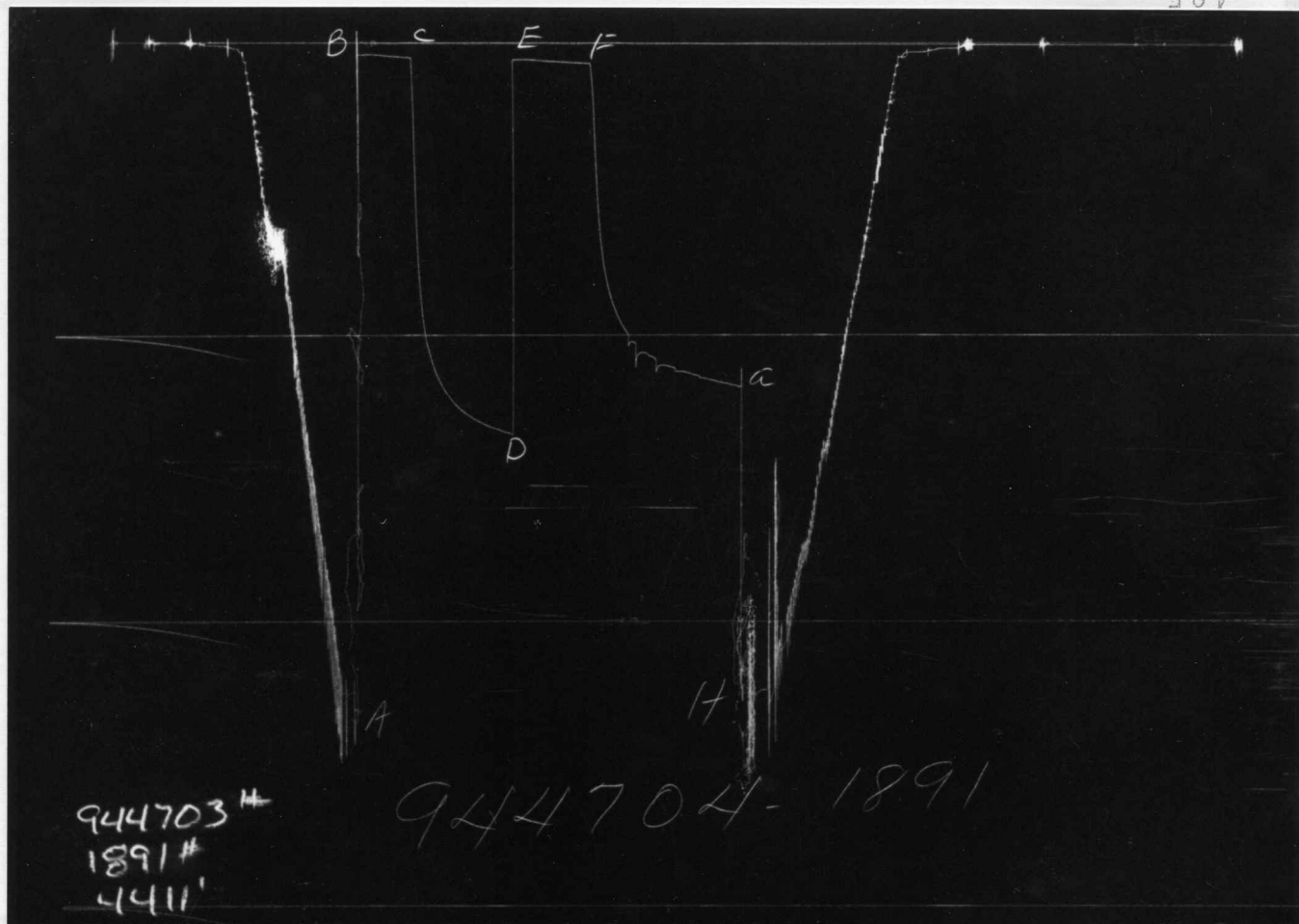
FORMATION TESTING SERVICE REPORT

LEGAL LOCATION		WELL NO.		TEST NO.		TESTED INTERVAL		COUNTY		NESS		STATE		KANSAS		SM	
SEC. - TWP. - RNG.		21-20-24															
LEASE NAME																	LEASE OWNER/COMPANY NAME
SPINER EXPLORATION INCORPORATED																	



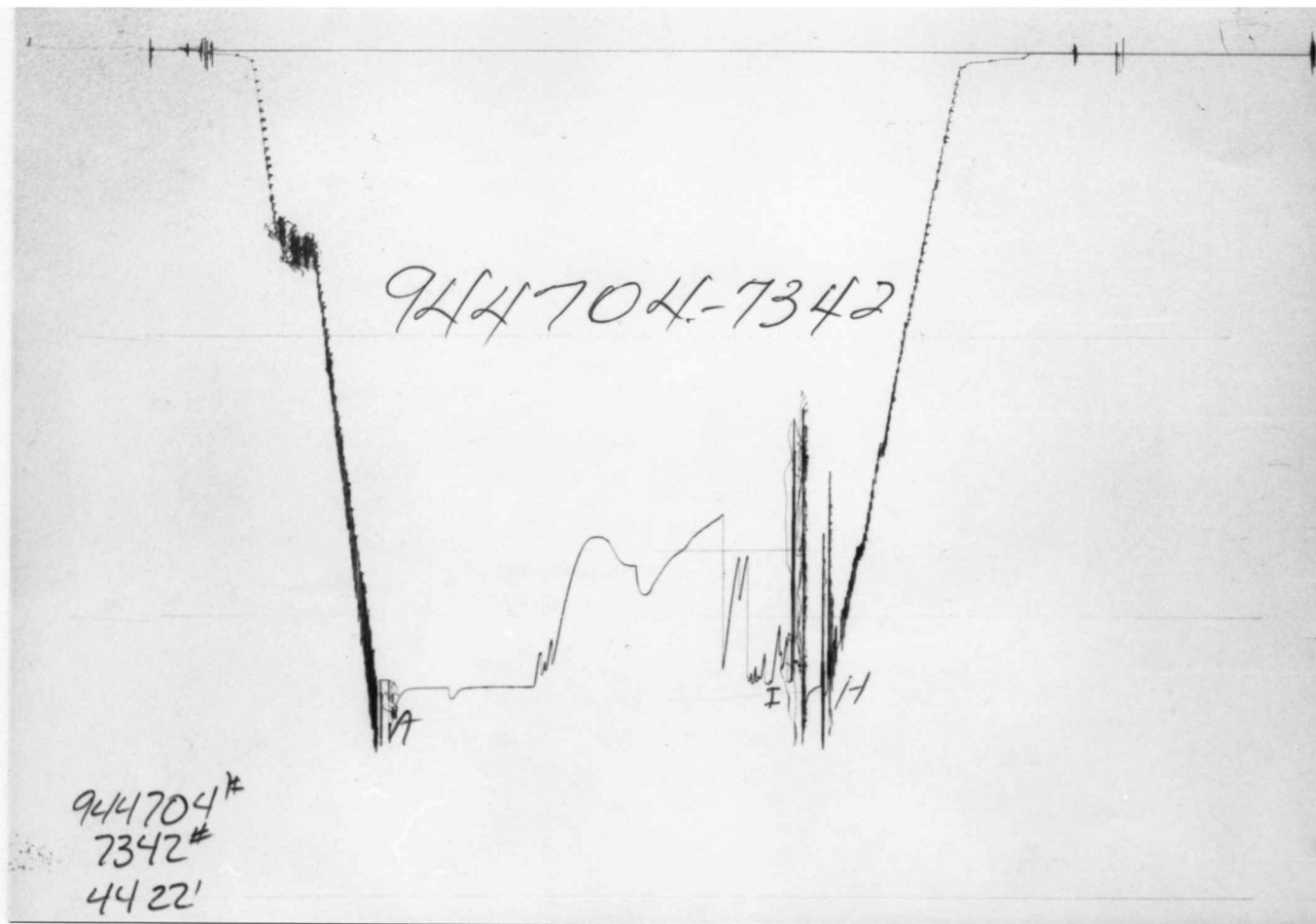
GAUGE NO: 1890 DEPTH: 4362.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2255.8			
B	INITIAL FIRST FLOW		11.7			
C	FINAL FIRST FLOW		23.8	30.0	31.0	F
C	INITIAL FIRST CLOSED-IN		23.8			
D	FINAL FIRST CLOSED-IN		1330.8	60.0	60.0	C
E	INITIAL SECOND FLOW		44.0			
F	FINAL SECOND FLOW		44.0	45.0	45.3	F
F	INITIAL SECOND CLOSED-IN		44.0			
G	FINAL SECOND CLOSED-IN		1166.1	90.0	88.7	C
H	FINAL HYDROSTATIC		2231.1			
I	HYDROSTATIC RELEASE					



GAUGE NO: 1891 DEPTH: 4411.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2341	2259.8			
B	INITIAL FIRST FLOW	35	41.3			
C	FINAL FIRST FLOW	52	51.7	30.0	31.0	F
C	INITIAL FIRST CLOSED-IN	52	51.7			
D	FINAL FIRST CLOSED-IN	1340	1354.6	60.0	60.0	C
E	INITIAL SECOND FLOW	52	60.1			
F	FINAL SECOND FLOW	70	70.6	45.0	45.3	F
F	INITIAL SECOND CLOSED-IN	70	70.6			
G	FINAL SECOND CLOSED-IN	1183	1187.7	90.0	88.7	C
H	FINAL HYDROSTATIC	2288	2248.4			
I	HYDROSTATIC RELEASE					



GAUGE NO: 7342 DEPTH: 4422.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2284.1			
B	INITIAL FIRST FLOW			30.0		F
C	FINAL FIRST FLOW					
C	INITIAL FIRST CLOSED-IN			60.0		C
D	FINAL FIRST CLOSED-IN					
E	INITIAL SECOND FLOW			45.0		F
F	FINAL SECOND FLOW					
F	INITIAL SECOND CLOSED-IN			90.0		C
G	FINAL SECOND CLOSED-IN					
H	FINAL HYDROSTATIC		2260.0			
I	HYDROSTATIC RELEASE		2174.7			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
 NET PAY (ft): 4.0
 GROSS TESTED FOOTAGE: 33.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 0
 TOTAL DEPTH (ft): 4465.0
 PACKER DEPTH(S) (ft): 4376, 4383, 4416
 FINAL SURFACE CHOKE (in): _____
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.80
 MUD VISCOSITY (sec): 55
 ESTIMATED HOLE TEMP. (°F): 113
 ACTUAL HOLE TEMP. (°F): @ ft

TICKET NUMBER: 94470400DATE: 12-22-84 TEST NO: 2TYPE DST: ON BTM STRADDLEHALLIBURTON CAMP:
HAYSTESTER: D. MORGANWITNESS: K. WHITE

DRILLING CONTRACTOR:

RED TIGER DRILLING COMPANY #4FLUID PROPERTIES FOR
RECOVERED MUD & WATER

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

SAMPLER DATA

Pstg 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:

60 FEET OF OIL CUT MUD
 25% OIL AND 75% MUD

MEASURED FROM
TESTER VALVE

REMARKS:

CHARTS INDICATE APPARENT LEAKAGE DURING THE FINAL CLOSED IN PERIOD.

ALL READINGS DURING FINAL CLOSED IN PRESSURE QUESTIONABLE DUE TO APPARENT LEAKAGE.

TYPE & SIZE MEASURING DEVICE: _____

TICKET NO: 94470400

[illegible]

TICKET NO: 94470400

CLOCK NO: 3121 HOUR: 12



GAUGE NO: 1890

DEPTH: 4362.0

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	11.7			
2	5.0	13.5	1.8		
3	10.0	13.5	0.0		
4	15.0	16.1	2.6		
5	20.0	17.7	1.6		
6	25.0	20.2	2.4		
C 7	31.0	23.8	3.6		
FIRST CLOSED-IN					
C 1	0.0	23.8			
2	4.0	710.4	686.7	3.6	0.941
3	8.0	953.6	929.8	6.3	0.690
4	12.0	1071.6	1047.8	8.7	0.553
5	16.0	1130.6	1106.9	10.5	0.468
6	20.0	1174.5	1150.7	12.1	0.407
7	24.0	1205.9	1182.1	13.5	0.360
8	28.0	1231.5	1207.8	14.7	0.324
9	32.0	1253.5	1229.7	15.7	0.294
10	36.0	1270.3	1246.5	16.7	0.270
11	40.0	1284.0	1260.2	17.5	0.249
12	44.0	1295.9	1272.2	18.2	0.231
13	48.0	1306.8	1283.1	18.8	0.216
14	52.0	1315.0	1291.2	19.4	0.203
15	56.0	1323.8	1300.0	20.0	0.191
D 16	60.0	1330.8	1307.0	20.4	0.181
SECOND FLOW					
E 1	0.0	44.0			
2	6.0	34.3	-9.8		
3	12.0	34.8	0.5		
4	18.0	34.8	0.0		
5	24.0	36.6	1.8		
6	30.0	38.4	1.8		
7	36.0	40.2	1.8		
8	42.0	42.0	1.8		
F 9	45.3	44.0	2.0		
SECOND CLOSED-IN					
F 1	0.0	44.0			
2	5.0	592.5	548.5	4.7	1.211
3	10.0	809.6	765.5	8.8	0.936
4	15.0	900.8	856.8	12.5	0.785
5	20.0	954.8	910.8	15.9	0.682
6	25.0	1010.2	966.1	18.8	0.608
7	30.0	1054.3	1010.3	21.5	0.549
8	35.0	1056.8	1012.7	24.0	0.502

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
9	40.0	1077.4	1033.4	26.2	0.464
10	45.0	1095.0	1051.0	28.3	0.430
11	50.0	1101.5	1057.5	30.2	0.402
12	55.0	1113.0	1068.9	32.0	0.378
13	60.0	1121.2	1077.1	33.6	0.356
14	65.0	1131.6	1087.6	35.1	0.337
15	70.0	1139.5	1095.5	36.5	0.320
16	75.0	1147.3	1103.3	37.8	0.305
17	80.0	1154.2	1110.2	39.0	0.291
18	85.0	1161.1	1117.0	40.2	0.278
G 19	88.7	1166.1	1122.1	41.0	0.269

REMARKS:

TICKET NO: 94470400

CLOCK NO: 11657 HOUR: 12



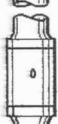
GAUGE NO: 1891

DEPTH: 4411.0

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	41.3			
2	5.0	40.6	-0.7		
3	10.0	41.4	0.8		
4	15.0	44.3	3.0		
5	20.0	46.8	2.4		
6	25.0	49.7	2.9		
C 7	31.0	51.7	2.0		
FIRST CLOSED-IN					
C 1	0.0	51.7			
2	4.0	689.0	637.3	3.5	0.942
3	8.0	977.2	925.5	6.4	0.688
4	12.0	1088.0	1036.4	8.7	0.553
5	16.0	1155.2	1103.5	10.5	0.468
6	20.0	1201.7	1150.1	12.2	0.406
7	24.0	1235.0	1183.3	13.5	0.360
8	28.0	1262.0	1210.3	14.7	0.323
9	32.0	1281.9	1230.3	15.7	0.294
10	36.0	1298.2	1246.5	16.7	0.270
11	40.0	1311.1	1259.4	17.5	0.249
12	44.0	1322.3	1270.6	18.2	0.232
13	48.0	1331.9	1280.3	18.8	0.216
14	52.0	1338.5	1286.8	19.4	0.203
15	56.0	1348.4	1296.8	20.0	0.191
D 16	60.0	1354.6	1303.0	20.4	0.181
SECOND FLOW					
E 1	0.0	60.1			
2	6.0	57.7	-2.4		
3	12.0	59.1	1.5		
4	18.0	61.8	2.7		
5	24.0	64.0	2.2		
6	30.0	65.9	1.9		
7	36.0	67.9	2.0		
8	42.0	69.7	1.7		
F 9	45.3	70.6	1.0		
SECOND CLOSED-IN					
F 1	0.0	70.6			
2	5.0	585.0	514.4	4.7	1.213
3	10.0	824.3	753.7	8.9	0.935
4	15.0	923.7	853.1	12.5	0.784
5	20.0	983.6	913.0	15.9	0.682
6	25.0	1033.3	962.7	18.8	0.608
7	30.0	1069.6	999.0	21.5	0.549
8	35.0	1081.1	1010.5	24.0	0.502

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
9	40.0	1105.2	1034.5	26.3	0.463
10	45.0	1116.6	1046.0	28.3	0.430
11	50.0	1124.7	1054.1	30.2	0.402
12	55.0	1136.5	1065.8	31.9	0.378
13	60.0	1145.2	1074.6	33.6	0.356
14	65.0	1156.8	1086.2	35.1	0.337
15	70.0	1162.8	1092.2	36.5	0.320
16	75.0	1170.9	1100.3	37.8	0.305
17	80.0	1176.5	1105.9	39.1	0.291
18	85.0	1183.7	1113.0	40.2	0.278
G 19	88.7	1187.7	1117.1	41.0	0.269

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3510.0	
4		FLEX WEIGHT.....	4.500	2.764	746.0	
50		IMPACT REVERSING SUB.....	5.750	2.750	1.0	4256.0
4		FLEX WEIGHT.....	4.500	2.764	93.0	
12		DUAL CIP VALVE.....	5.000	0.870	6.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4360.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	4362.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
5		CROSSOVER.....	5.000	1.250	1.0	
70		OPEN HOLE PACKER.....	6.750	1.530	5.0	4376.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4383.0
20		FLUSH JOINT ANCHOR.....	5.000	3.740	24.0	
5		CROSSOVER.....	5.000	1.250	1.0	
80		AP RUNNING CASE.....	5.000	2.250	4.0	4411.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4416.0
5		CROSSOVER.....	5.000	3.740	1.0	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.0	4422.0
20		FLUSH JOINT ANCHOR.....	5.000	3.740	7.0	
5		CROSSOVER.....	5.000	3.740	2.0	
4		FLEX WEIGHT.....	4.500	2.764	31.0	
TOTAL DEPTH					4465.0	

EQUIPMENT DATA