

628

Inc

Company Information

LEASE NAME **KENDALL** WELL NO. **1** TEST NO. **1** TESTED INTERVAL **4137.0 - 4175.0** LEASE OWNER/COMPANY NAME **RAMCO/PENDLETON (SEE REMARKS)**

LEGAL LOCATION **35 - 27 SOUTH - 17 WEST** FIELD AREA **PF** COUNTY STATE **KANSAS**



HALLIBURTON SERVICES

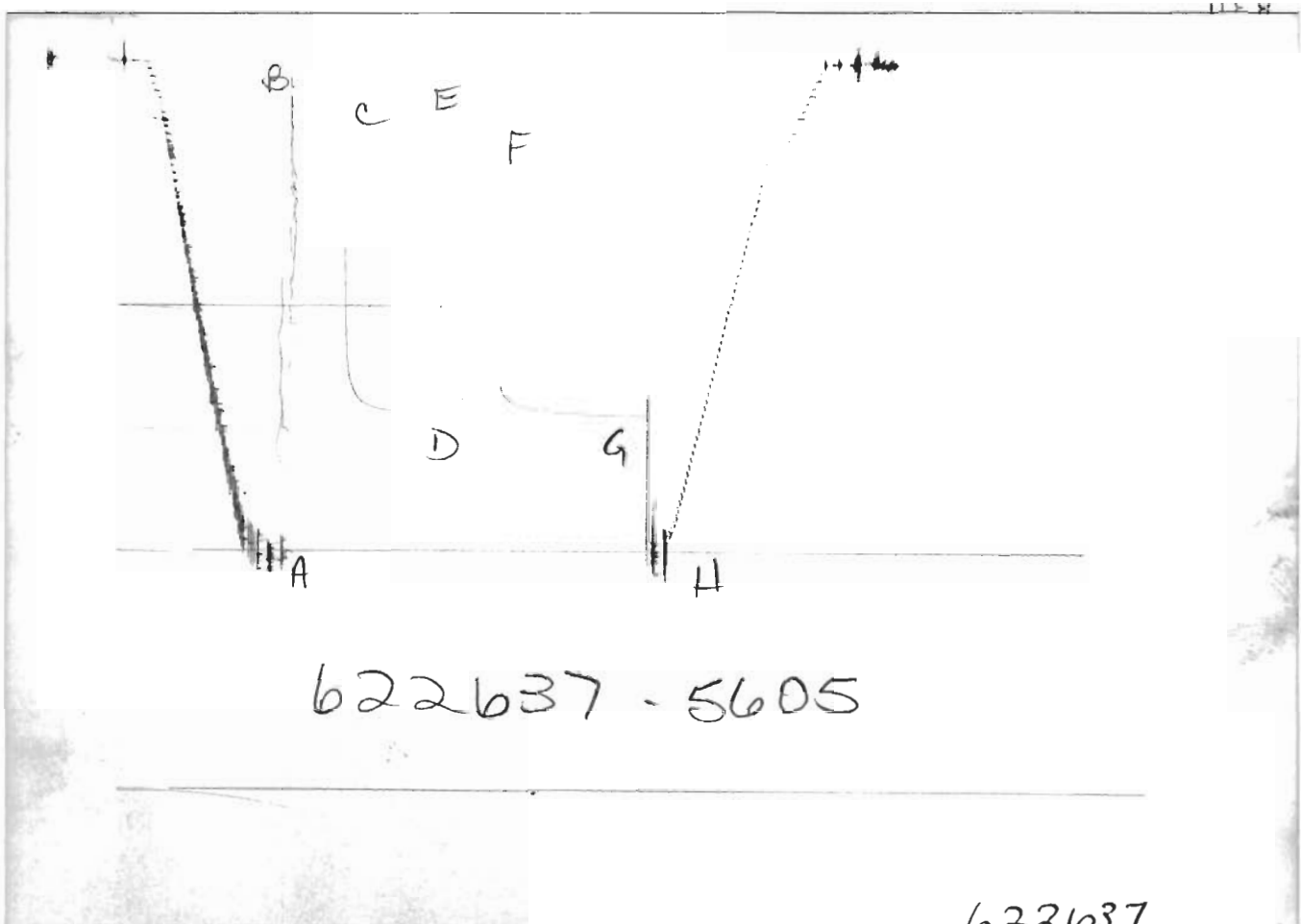
TICKET NO. 62263700
23-DEC-87
PRATT

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

FORMATION TESTING SERVICE REPORT

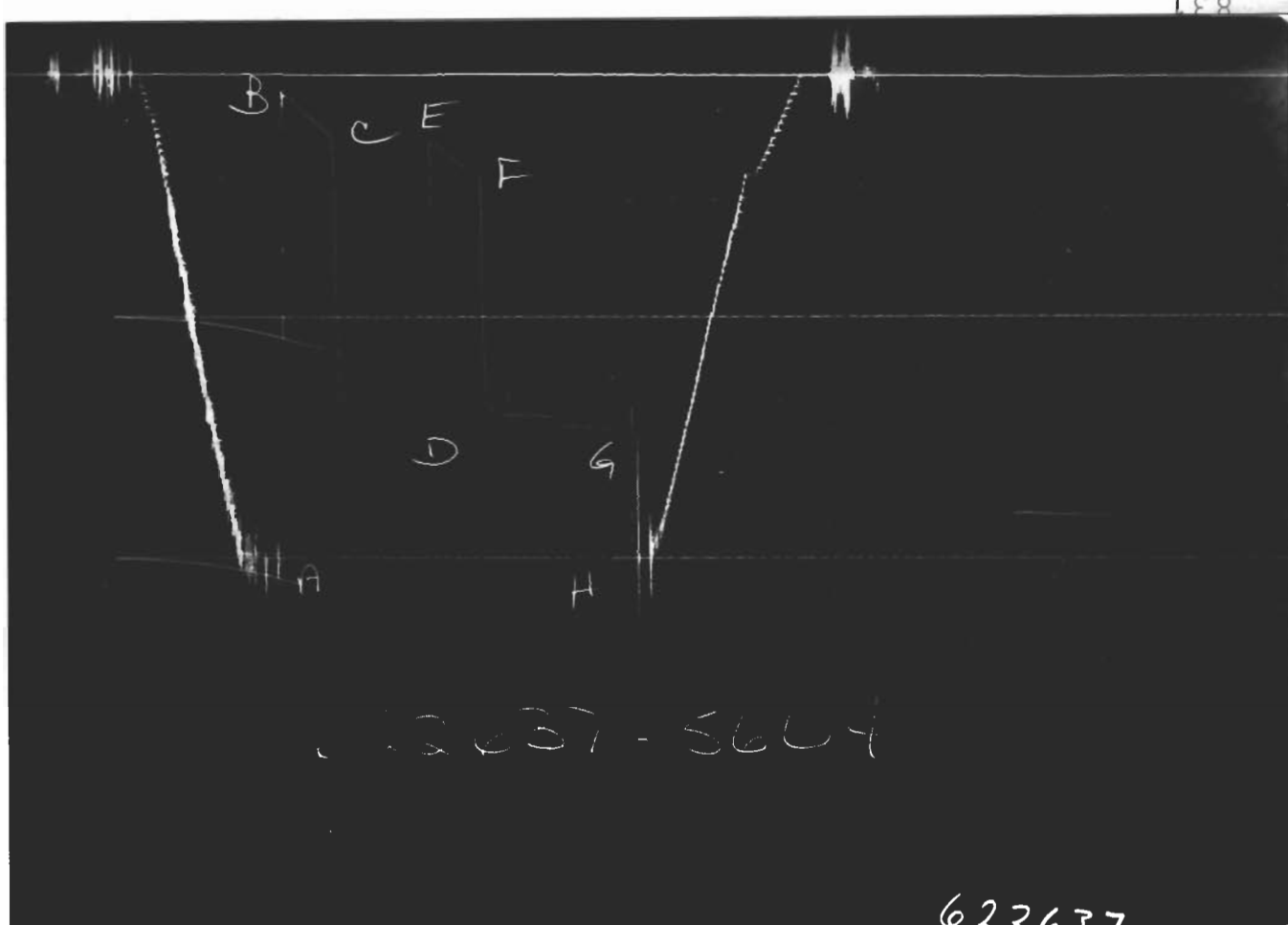
JAN 25 1988

35-27-17W



GAUGE NO: 5605 DEPTH: 4116.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		1965.3			
B	INITIAL FIRST FLOW		61.7			
C	FINAL FIRST FLOW		238.5	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN		238.5			
D	FINAL FIRST CLOSED-IN		1437.7	60.0	59.3	C
E	INITIAL SECOND FLOW		258.3			
F	FINAL SECOND FLOW		408.4	30.0	29.7	F
F	INITIAL SECOND CLOSED-IN		408.4			
G	FINAL SECOND CLOSED-IN		1440.7	90.0	90.7	C
H	FINAL HYDROSTATIC		1956.1			



GAUGE NO: 5604 DEPTH: 4172.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1977	1980.1			
B	INITIAL FIRST FLOW	62	67.4			
C	FINAL FIRST FLOW	236	254.6	30.0	30.3	F
C	INITIAL FIRST CLOSED-IN	236	254.6			
D	FINAL FIRST CLOSED-IN	1443	1451.5	60.0	59.3	C
E	INITIAL SECOND FLOW	256	272.7			
F	FINAL SECOND FLOW	441	425.9	30.0	29.7	F
F	INITIAL SECOND CLOSED-IN	441	425.9			
G	FINAL SECOND CLOSED-IN	1463	1453.5	90.0	90.7	C
H	FINAL HYDROSTATIC	1957	1971.6			

EQUIPMENT & HOLE DATA

FORMATION TESTED: "A" LANSING KC

NET PAY (ft): _____

GROSS TESTED FOOTAGE: 38.0

ALL DEPTHS MEASURED FROM: KB

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 7.875

ELEVATION (ft): 2133.0

TOTAL DEPTH (ft): 4175.0

PACKER DEPTH(S) (ft): 4131, 4137

FINAL SURFACE CHOKE (in): 0.25000

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 9.20

MUD VISCOSITY (sec): 42

ESTIMATED HOLE TEMP. (°F): 111

ACTUAL HOLE TEMP. (°F): _____ @ _____ ft

TICKET NUMBER: 62263700

DATE: 12-18-87 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:

PRATT

TESTER: J. AREND

WITNESS: S. ALBURG

DRILLING CONTRACTOR:

RED TIGER #2

FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE

RESISTIVITY

CHLORIDES

PIT _____ @ _____ °F 19000 ppm

RECOVERY 0.060 @ 70 °F 115720 ppm

_____ @ _____ °F _____ ppm

_____ @ _____ °F _____ ppm

_____ @ _____ °F _____ ppm

_____ @ _____ °F _____ ppm

SAMPLER DATA

P_{sig} 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 :

130 FEET OF MUDDY WATER

660 FEET OF SALTWATER

TOP RECOVERY: 85% MUD - 15% WATER

30% MUD - 70% WATER

5% MUD - 95% WATER

MEASURED FROM
TESTER VALVE

REMARKS:

ADDITIONAL FLUID PROPERTIES OF RECOVERY: 1.135 SP. GRAVITY; LIGHT IN IRON, 6.77 PH; 10120 MPL CALCIUM, AND LIGHT IN SULFATES.

LEASE OWNER: RAMCO DRILLING SERVICES, INCORPORATED AND PENDLETON LAND AND EXPLORATION, INCORPORATED

[illegible]

TICKET NO: 62263700

GAUGE NO: 5605

CLOCK NO: 26864 HOUR: 12

DEPTH: 4116.0



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	61.7			
2	5.0	74.3	12.6		
3	10.0	111.4	37.1		
4	15.0	146.1	34.7		
5	20.0	177.8	31.6		
6	25.0	207.9	30.1		
C 7	30.3	238.5	30.6		
FIRST CLOSED-IN					
C 1	0.0	238.5			
2	4.0	1254.5	1016.0	3.5	0.933
3	8.0	1340.6	1102.1	6.3	0.680
4	12.0	1379.1	1140.6	8.6	0.547
5	16.0	1396.8	1158.4	10.5	0.461
6	20.0	1405.5	1167.0	12.0	0.401
7	24.0	1412.9	1174.4	13.4	0.355
8	28.0	1418.2	1179.7	14.6	0.319
9	32.0	1422.9	1184.4	15.6	0.290
10	36.0	1425.9	1187.4	16.5	0.265
11	40.0	1428.7	1190.2	17.3	0.245
12	44.0	1431.4	1192.9	18.0	0.228
13	48.0	1433.6	1195.1	18.6	0.213
14	52.0	1435.6	1197.1	19.2	0.200
15	56.0	1436.9	1198.4	19.7	0.188
D 16	59.3	1437.7	1199.2	20.1	0.179
SECOND FLOW					
E 1	0.0	258.3			
2	5.0	277.1	18.8		
3	10.0	307.1	30.0		
4	15.0	334.8	27.7		
5	20.0	360.1	25.3		
6	25.0	386.0	25.9		
F 7	29.7	408.4	22.4		
SECOND CLOSED-IN					
F 1	0.0	408.4			
2	5.0	1335.0	926.7	4.6	1.117
3	10.0	1379.0	970.6	8.6	0.843
4	15.0	1395.8	987.4	12.0	0.698
5	20.0	1405.5	997.1	15.0	0.602
6	25.0	1413.3	1004.9	17.7	0.531
7	30.0	1418.3	1009.9	20.0	0.477
8	35.0	1422.1	1013.8	22.1	0.434
9	40.0	1425.3	1016.9	24.0	0.398
10	45.0	1428.2	1019.8	25.7	0.368

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
11	50.0	1429.8	1021.4	27.3	0.342
12	55.0	1431.5	1023.1	28.7	0.320
13	60.0	1433.5	1025.1	30.0	0.301
14	65.0	1435.2	1026.8	31.2	0.284
15	70.0	1436.2	1027.8	32.3	0.269
16	75.0	1437.7	1029.3	33.3	0.255
17	80.0	1438.8	1030.4	34.3	0.243
18	85.0	1439.8	1031.4	35.2	0.232
G 19	90.7	1440.7	1032.3	36.1	0.220

REMARKS:

TICKET NO: 62263700

CLOCK NO: 6947 HOUR: 12



GAUGE NO: 5604

DEPTH: 4172.0

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	67.4			
2	5.0	93.2	25.8		
3	10.0	132.6	39.3		
4	15.0	165.4	32.8		
5	20.0	196.0	30.6		
6	25.0	225.8	29.8		
C 7	30.3	254.6	28.8		
FIRST CLOSED-IN					
C 1	0.0	254.6			
2	4.0	1212.2	957.6	3.5	0.933
3	8.0	1349.7	1095.1	6.3	0.682
4	12.0	1394.9	1140.3	8.6	0.546
5	16.0	1411.5	1156.9	10.5	0.461
6	20.0	1421.2	1166.6	12.1	0.401
7	24.0	1428.0	1173.3	13.4	0.355
8	28.0	1433.6	1178.9	14.5	0.319
9	32.0	1437.8	1183.1	15.6	0.289
10	36.0	1441.0	1186.4	16.5	0.266
11	40.0	1443.3	1188.7	17.2	0.245
12	44.0	1445.9	1191.2	18.0	0.228
13	48.0	1448.0	1193.4	18.6	0.213
14	52.0	1449.3	1194.7	19.2	0.199
15	56.0	1450.9	1196.2	19.7	0.188
D 16	59.3	1451.5	1196.8	20.1	0.179
SECOND FLOW					
E 1	0.0	272.7			
2	5.0	298.2	25.5		
3	10.0	329.4	31.2		
4	15.0	357.1	27.7		
5	20.0	382.1	25.0		
6	25.0	405.4	23.3		
F 7	29.7	425.9	20.5		
SECOND CLOSED-IN					
F 1	0.0	425.9			
2	5.0	1331.8	905.9	4.6	1.114
3	10.0	1391.2	965.4	8.5	0.846
4	15.0	1409.1	983.3	12.0	0.699
5	20.0	1419.8	993.9	15.0	0.601
6	25.0	1426.8	1001.0	17.6	0.531
7	30.0	1432.0	1006.2	20.0	0.477
8	35.0	1436.1	1010.3	22.1	0.434
9	40.0	1439.5	1013.7	24.0	0.398
10	45.0	1442.0	1016.1	25.7	0.368

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
11	50.0	1444.3	1018.5	27.3	0.343
12	55.0	1446.4	1020.5	28.7	0.320
13	60.0	1447.7	1021.8	30.0	0.301
14	65.0	1448.8	1023.0	31.2	0.284
15	70.0	1449.8	1024.0	32.3	0.269
16	75.0	1451.0	1025.1	33.3	0.255
17	80.0	1452.3	1026.4	34.3	0.243
18	85.0	1452.9	1027.1	35.2	0.232
G 19	90.7	1453.5	1027.7	36.1	0.220

REMARKS:

29557

928

TICKET NO. 62263700

		O.D.	I.D.	LENGTH	DEPTH
1					
	DRILL PIPE.....	4.500	3.826	2268.0	
4					
	FLEX WEIGHT.....	4.500	2.250	1730.0	
50					
	IMPACT REVERSING SUB.....	5.875	2.750	1.0	3978.0
4					
	FLEX WEIGHT.....	4.500	2.250	124.0	
5					
	CROSSOVER.....	5.875	2.750	1.0	
12					
	DUAL CIP VALVE.....	5.875	0.870	6.0	
60					
	HYDROSPRING TESTER.....	5.000	0.750	5.0	4114.0
80					
	AP RUNNING CASE.....	5.000	2.250	4.0	4116.0
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	4131.0
70					
	OPEN HOLE PACKER.....	6.750	1.530	6.0	4137.0
5					
	CROSSOVER.....	5.875	2.750	1.0	
11					
	HANDLING SUB & CHOKE ASSEMBLY...	5.875	2.750	5.0	
5					
	CROSSOVER.....	5.875	2.750	1.0	
20					
	FLUSH JOINT ANCHOR.....	5.000	3.350	25.0	
81					
	BLANKED-OFF RUNNING CASE.....	5.000		4.0	4172.0
TOTAL DEPTH					4175.0

EQUIPMENT DATA