

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 10 26 87 Location NE & NW 18 15 17 Elevation _____ County Ellis

Company KENWAY Services Inc Number of Copies 5

Charts Mailed to 949 EAST 4th STREET Russell KS 67665

Drilling Contractor Rained Williamson

Length Drill Pipe 3288 I.D. Drill Pipe 3 80 Tool Joint Size 4 1/2 X 1 1/2

Length Weight Pipe — I.D. Weight Pipe — Tool Joint Size —

Length Drill Collars — I.D. Drill Collars — Tool Joint Size —

Top Packer Depth 3276 Bottom Packer Depth 3281 Number of Packers TWO Packer Size 6 3/4

TESTED FROM 3281 TO 3342 ANCHOR LENGTH 61 TOTAL DEPTH 3 Hole Size 2 3/8

LEASE & WELL NO. LEIKER FORMATION TESTED KC TEST NO. 1

Mud Weight 41 Viscosity 969 Water Loss 92 Chlorides - Pits 96000 D.S.T. 81,000

Maximum Temp. 116 °F Initial Hydrostatic Pressure (A) 1820 P.S.I. Final Hydrostatic Pressure (H) 1801 P.S.I.

Tool Open I.F.P. from 830 A m to 9 15 A m 45 min

Tool Closed I.C.I.P. from 9 15 A m to 10 00 A m 45 min

Tool Open F.F.P. from 10 00 A m to 10 45 A m 45 min

Tool Closed F.C.I.P. from 10 45 A m to 11 30 A m 45 min

Initial Blow FAIR BLOW Building Bottom 5 1/2 Bucket 4 1/2

Final Blow FAIR Building Bottom 5 1/2 Bucket 9 1/4

Total Feet Recovered 590 SLIGHTLY oil & GAS CUT MUDDY WATER Gravity of Oil _____ Corrected

92 Feet of SLIGHTLY oil cut Gassy MUD 28 % Gas 2 % Oil 68 % Mud 2 % Water

126 Feet of GAS CUT Watery MUD 25 % Gas 1 % Oil 38 % Mud 35 % Water

126 Feet of SLIGHTLY GAS cut Watery mud 5 % Gas 0 % Oil 55 % Mud 40 % Water

241 Feet of SLIGHTLY GAS cut MUDDY WATER 3 % Gas 0 % Oil 22 % Mud 75 % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

120 Feet of GAS IN pipe _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 5463 Clock No. 26692 Depth 3336 Cir. Sub _____ Sampler NONE

Bottom Recorder No. 13208 Clock No. 13038 Depth 3339 Insurance _____

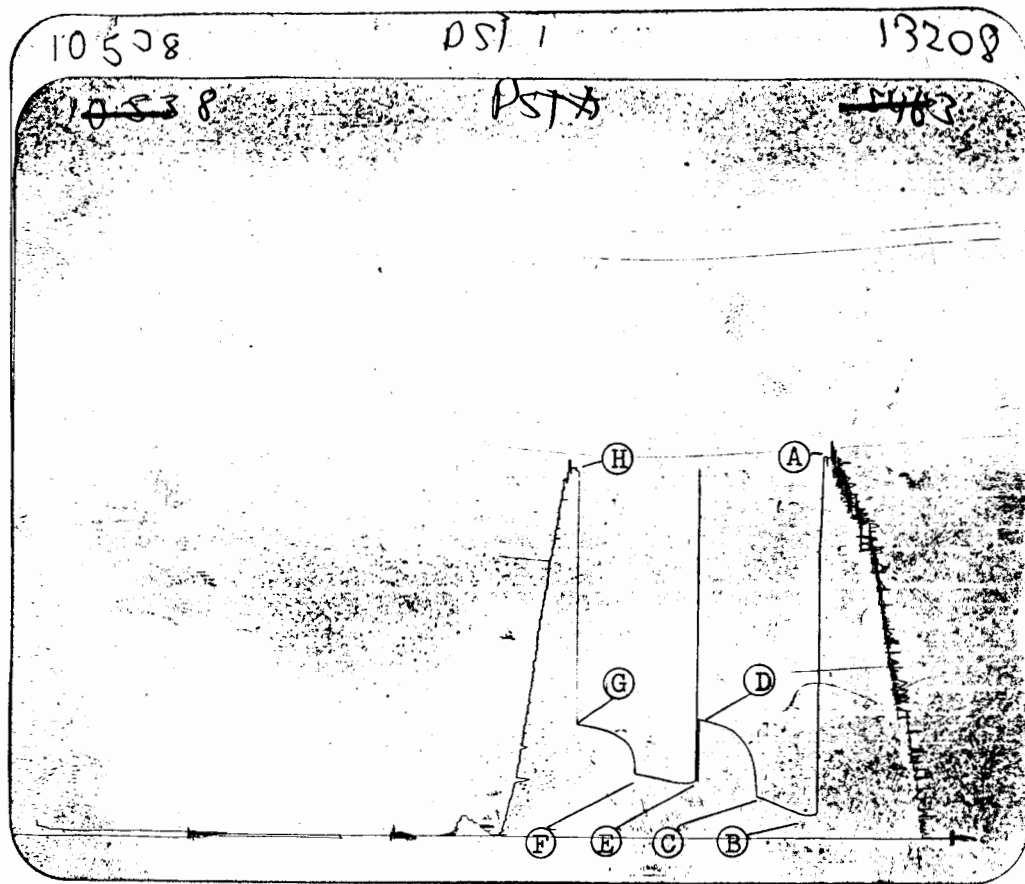
Price of Job _____

Tool Operator Pat Stevenson

Approved By _____

NO 10538

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1820	1821	P.S.I.
(B) First Initial Flow Pressure	64	114	P.S.I.
(C) First Final Flow Pressure	100	195	P.S.I.
(D) Initial Closed-in Pressure	568	562	P.S.I.
(E) Second Initial Flow Pressure	265	259	P.S.I.
(F) Second Final Flow Pressure	301	302	P.S.I.
(G) Final Closed-in Pressure	540	534	P.S.I.
(H) Final Hydrostatic Mud	1801	1765	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : KENWAY SERVICES INC. WELL NAME : LEIKER
ADDRESS : 949 E. 4TH STREET, RUSSELL LOCATION : NE-SE-NW 18-15-17
STATE & COUNTY : KANSAS, ELLIS FIELD :
ELEV. (GR) : (KB) : TEST DATE : 10-26-1987

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY DRILL PIPE LENGTH(ft) : 3288
TEST INT. KB : 3281 to 3342 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 61 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kb) : 3342 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.257
MUD WEIGHT : 9.9 TOP PACKER DEPTH(kb) : 3276
MUD VISCOSITY : 41 BOTTOM PACKER DEPTH(kb) : 3281
MUD CHLORIDES : 96000 DUAL PACKERS :
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED CUT : No
RESERVOIR TEMPERATURE(F) : 116 TEST TICKET NUMBER : 10538

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 5463
RANGE : 0 - 3650 CLOCK RANGE : 12 HOURS
CAL. EQU. : 922.07 * Defl. - 2.47

SURFACE BLOW

1st Opening : FAIR BLOW-OFF THE BOTTOM OF BUCKET IN 4 1/2 MIN.
2nd Opening : FAIR BLOW-OFF THE BOTTOM OF BUCKET IN 9 MIN.

RECOVERY

Recovered 120 feet of GAS IN THE PIPE
Recovered 590 feet of SLIGHTLY OIL AND GAS CUT MUDDY WATER

REMARKS :

WITNESSED BY : TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : KENWAY SERVICES INC.
 DATE OF TEST : 10-26-1987
 DEPTH : 3336.0

WELL NAME : LEIKER
 LOCATION : NE-SE-NW 18-15-17
 SERIAL NO. : 5463

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 3336.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.980	1823.23	-2.20	1821.03
-8:30 1ST FLOW	0.0	.125	112.79	1.89	114.68
- 8:35	5.0	.118	106.34	1.92	108.26
- 8:40	10.0	.123	110.95	1.90	112.84
- 8:45	15.0	.129	116.48	1.87	118.35
- 8:50	20.0	.144	130.31	1.80	132.11
- 8:55	25.0	.159	144.14	1.73	145.87
- 9:00	30.0	.173	157.05	1.66	158.72
- 9:05	35.0	.187	169.96	1.60	171.56
- 9:10	40.0	.200	181.95	1.54	183.49
- 9:15	45.0	.213	193.93	1.48	195.41
-9:15 END FLOW	0.0	.213	193.93	1.48	195.41
- 9:18	3.0	.405	370.97	.59	371.56
- 9:21	6.0	.457	418.92	.35	419.27
- 9:24	9.0	.491	450.27	.19	450.46
- 9:27	12.0	.516	473.32	.07	473.39
- 9:30	15.0	.540	495.45	-.04	495.41
- 9:33	18.0	.556	510.20	-.11	510.09
- 9:36	21.0	.569	522.19	-.17	522.02
- 9:39	24.0	.578	530.49	-.21	530.28
- 9:42	27.0	.586	537.87	-.25	537.61
- 9:45	30.0	.590	541.55	-.27	541.28
- 9:48	33.0	.596	547.09	-.30	546.79
- 9:51	36.0	.602	552.62	-.33	552.29
- 9:54	39.0	.606	556.31	-.34	555.96
- 9:57	42.0	.611	560.92	-.37	560.55
- 9:59	44.0	.613	562.76	-.38	562.39
-9:59 1ST SHUT-IN	0.0	.613	562.76	-.38	562.39
-9:59 2ND FLOW	0.0	.283	258.48	1.15	259.63
- 10:04	5.0	.284	259.40	1.15	260.55
- 10:09	10.0	.284	259.40	1.15	260.55
- 10:14	15.0	.286	261.25	1.14	262.39
- 10:19	20.0	.291	265.86	1.12	266.97
- 10:24	25.0	.299	273.23	1.08	274.31
- 10:29	30.0	.307	280.61	1.04	281.65
- 10:35	36.0	.313	286.14	1.01	287.16
- 10:39	40.0	.320	292.60	.98	293.58
- 10:44	45.0	.325	297.21	.96	298.17
- 10:46	47.0	.328	299.97	.95	300.92
- 9:59	0.0	.328	299.97	.95	300.92

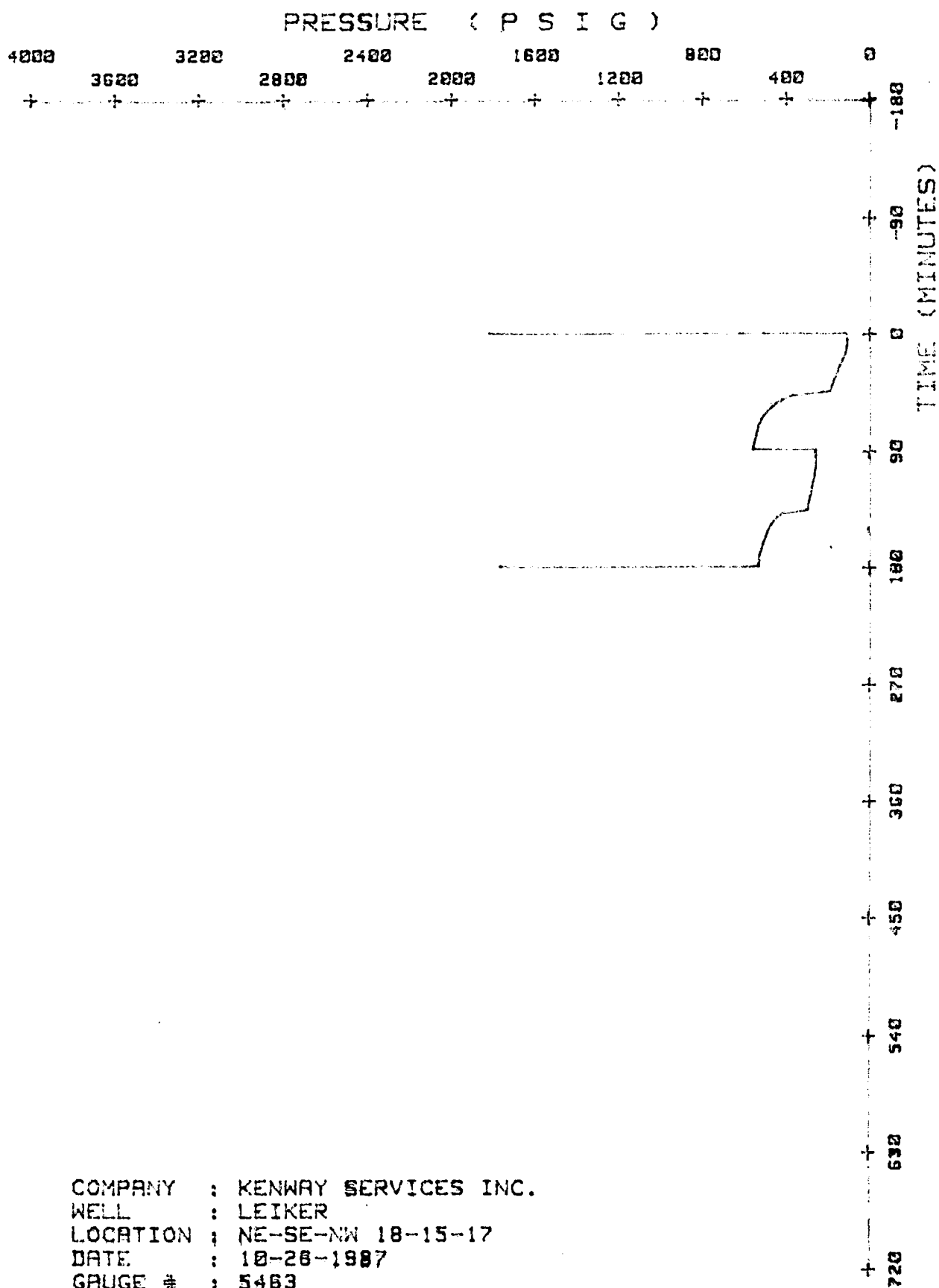
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COMPANY : KENWAY SERVICES INC.
 DATE OF TEST : 10-26-1987
 DEPTH : 3336.0

WELL NAME : LEIKER
 LOCATION : NE-SE-NW 18-15-17
 SERIAL NO. : 5463

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.: 1					
-10:46 END FLOW	0.0	.329	300.89	.94	301.83
- 10:49	3.0	.459	420.76	.34	421.10
- 10:52	6.0	.438	447.50	.20	447.71
- 10:55	9.0	.504	462.26	.13	462.39
- 10:58	12.0	.520	477.01	.05	477.06
- 11:01	15.0	.532	488.07	-0.00	488.07
- 11:04	18.0	.541	496.37	-.04	496.33
- 11:07	21.0	.547	501.91	-.07	501.83
- 11:10	24.0	.556	510.20	-.11	510.09
- 11:13	27.0	.561	514.81	-.14	514.68
- 11:16	30.0	.568	521.27	-.17	521.10
- 11:19	33.0	.574	526.80	-.20	526.61
- 11:22	36.0	.577	529.57	-.21	529.36
- 11:25	39.0	.580	532.33	-.22	532.11
- 11:28	42.0	.582	534.18	-.23	533.94
- 11:30	44.0	.583	535.10	-.24	534.86
-11:30 2ND SHUT-IN	0.0	.583	535.10	-.24	534.86
-2ND HYDROSTATIC	0.0	1.920	1767.91	-2.23	1765.68



COMPANY : KENWAY SERVICES INC.
 WELL : LEIKER
 LOCATION : NE-SE-NW 18-15-17
 DATE : 10-28-1987
 GAUGE # : 5463