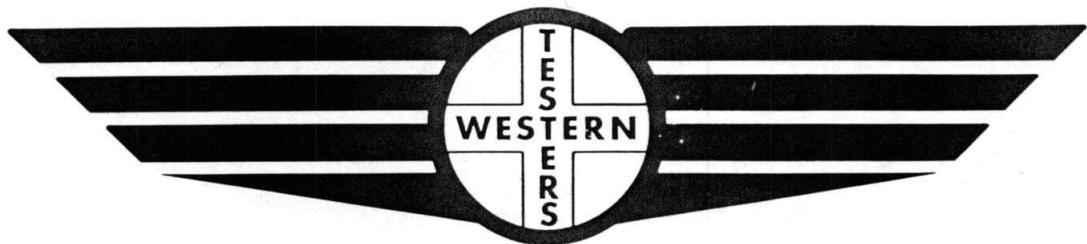


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY J.F.W. Inc

LEASE & WELL NO. Cornwell #1-31

SEC. 31 TWP. 23S RGE. 13W

TEST NO. 1

DATE 1-5-86

SUBSURFACE PRESSURE SURVEY

DATE	:	1-5-86	TICKET	:	8751
CUSTOMER	:	JFW INC.	LEASE	:	CORNWELL
WELL	:	1-31	TEST:	:	1
ELEVATION	:		GEOLOGIST	:	MICHAEL
SECTION	:	31	FORMATION	:	MISSISSIPPI
RANGE	:	13W	TOWNSHIP	:	23S
GAUGE SN#	:	13402	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4025			

INTERVAL FROM	:	3871	TO	:	3930	TOTAL DEPTH	:	3930
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3871	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	10.0	WATER LOSS (CC)	:	9.0
CHLORIDES (PPM)	:				
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3464	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	17	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	59	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 :
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	:	150	FT	OF: MUD.	1.49 Barrels
RECOVERED	:	90	FT	OF: SL OIL CUT GASSY MUD.	0.90 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
RECOVERED	:	0	FT	OF:	0.00 Barrels
Total Barrels =	:	2.4	Total Production =	:	12.1 Bpd

REMARK 1 : MISRUN. PACKER LEAKED ON THE BEGINNING OF
 REMARK 2 : BOTH FLOW PERIODS; THEN TOOL PLUGGED.
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	2:25 AM	TIME STARTED OFF BOTTOM	:	4:25 AM
WELL TEMPERATURE	:	0			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2148
INITIAL FLOW PERIOD	MIN:	0	(B)	:	0
INITIAL CLOSED IN PERIOD	MIN:	0	(D)	:	0
FINAL FLOW PERIOD	MIN:	0	(E)	:	0
FINAL CLOSED IN PERIOD	MIN:	0	(G)	:	0
FINAL HYDROSTATIC PRESSURE			(H)	:	2115

Pressure Transient Report

DATA FILE.....

COMPANY.....JFW INC.

DATE OF TEST.....1-5-86

FIELD NAME.....CORNWELL

WELL NAME.....1-31

LOCATION.....STAFFORD-KANSAS

JOB NUMBER.....8751

GAUGE NUMBER.....13402

GAUGE DEPTH.....3930

COMMENTS

MISRUN. PACKER LEAKED ON THE BEGINNING OF
BOTH FLOW PERIODS; THEN TOOL PLUGGED.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./5/86.	2.: 25.: 0.

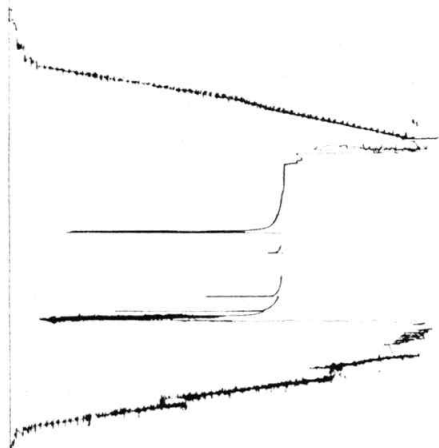
COMPANY : JFW INC. FIELD : CORNWELL
WELL : 1-31 JOB # : 8751
GAUGE # : 13402 DEPTH : 3930
MON/DAY : 1/ 5

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	2:25: 0	0 0.000	0.00	0.0	0.00	0.00

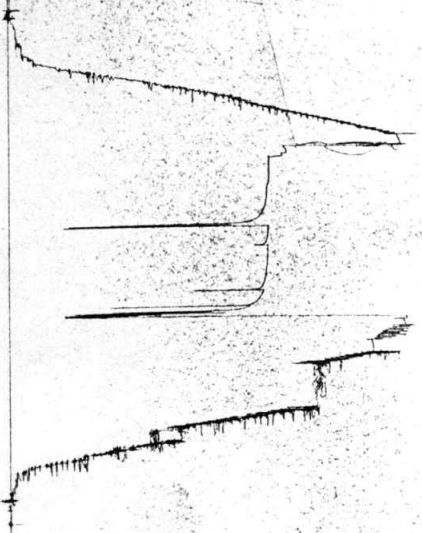
13402
D 5741

IR# 8751
I

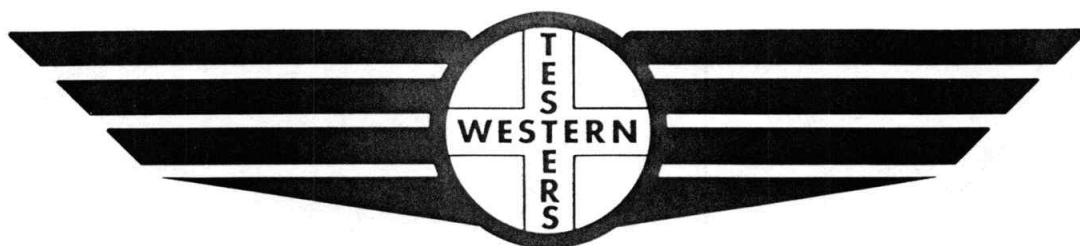


1359
D 5741

IR# 8751
O.



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE	:	1-5-86	TICKET	:	8752
CUSTOMER	:	JFW INC.	LEASE	:	CORNWELL
WELL	:	1-31	TEST:	:	2
ELEVATION	:		GEOLOGIST	:	MICHAEL
SECTION	:	31	FORMATION	:	MISSISSIPPI
RANGE	:	13W	TOWNSHIP	:	23S
GAUGE SN#	:	13402	COUNTY	:	STAFFORD
			STATE	:	KANSAS
			RANGE	:	4025
			CLOCK	:	12

INTERVAL FROM	:	3800	TO	:	3930	TOTAL DEPTH	:	3930
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3795	SIZE	:	6.75			
PACKER DEPTH	:	3800	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	10.0	WATER LOSS (CC)	:	9.0
CHLORIDES (PPM)	:				
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3388	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	130	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	:	30	FT	OF: GAS CUT MUD.	:	0.37 Barrels
RECOVERED	:	60	FT	OF: OIL & GAS CUT MUD.	:	0.74 Barrels
RECOVERED	:	180	FT	OF: HVY OIL & GAS CUT MUD.	:	2.22 Barrels
RECOVERED	:	330	FT	OF: MUDDY GASSY OIL.	:	4.07 Barrels
RECOVERED	:	340	FT	OF: CLEAN GASSY OIL.	:	4.19 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
Total Barrels =	:	11.6	Total Production =	:	185.5 Bpd	

REMARK 1 : RECOVERED 810 FEET OF GAS ABOVE FLUID. SLID
 REMARK 2 : TOOL 5 FEET TO BOTTOM. PLUGGING ACTION ON
 REMARK 3 : BOTH FLOW PERIODS.
 REMARK 4 :

SET PACKER(S)	:	8:10 AM	TIME STARTED OFF BOTTOM	:	12:40 PM
WELL TEMPERATURE	:	114			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2119
INITIAL FLOW PERIOD	MIN:	30	(B)	:	148
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	:	1385
FINAL FLOW PERIOD	MIN:	60	(E)	:	356
FINAL CLOSED IN PERIOD	MIN:	120	(G)	:	1390
FINAL HYDROSTATIC PRESSURE			(H)	:	2081
			PSI TO (C)	:	388
			PSI TO (F)	:	413

Pressure Transient Report

DATA FILE.....
COMPANY.....JFW INC.
DATE OF TEST.....1-5-86
FIELD NAME.....CORNWELL
WELL NAME.....1-31
LOCATION.....STAFFORD-KANSAS
JOB NUMBER.....8752
GAUGE NUMBER.....13402
GAUGE DEPTH.....3930

COMMENTS

RECOVERED 810 FEET OF GAS ABOVE FLUID. SLID
TOOL 5 FEET TO BOTTOM. PLUGGING ACTION ON
BOTH FLOW PERIODS.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./5/86.	8.: 10.: 0.

COMPANY : JFW INC. FIELD : CORNWELL

WELL : 1-31 JOB # : 8752

GAUGE # : 13402 DEPTH : 3930

MON/DAY : 1/ 5

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	8:10: 0	0 0.000	148.00	114.0	0.00	0.00
2	8:15: 0	5 0.083	219.00	114.0	71.00	851.97
3	8:20: 0	10 0.167	274.00	114.0	126.00	659.98
4	8:25: 0	15 0.250	350.00	114.0	202.00	912.06
5	8:30: 0	20 0.333	285.00	114.0	137.00	-779.98
6	8:35: 0	25 0.417	386.00	114.0	238.00	1211.96
7	8:40: 0	30 0.500	388.00	114.0	240.00	24.00
8	8:43: 0	33 0.550	1165.00	114.0	1017.00	15539.05
9	8:46: 0	36 0.600	1247.00	114.0	1099.00	1639.90
10	8:49: 0	39 0.650	1289.00	114.0	1141.00	840.08
11	8:52: 0	42 0.700	1313.00	114.0	1165.00	479.97
12	8:55: 0	45 0.750	1329.00	114.0	1181.00	320.03
13	8:58: 0	48 0.800	1341.00	114.0	1193.00	239.99
14	9: 1: 0	51 0.850	1349.00	114.0	1201.00	159.99
15	9: 4: 0	54 0.900	1357.00	114.0	1209.00	160.01
16	9: 7: 0	57 0.950	1363.00	114.0	1215.00	119.99
17	9:10: 0	60 1.000	1369.00	114.0	1221.00	120.01
18	9:13: 0	63 1.050	1371.00	114.0	1223.00	40.00
19	9:16: 0	66 1.100	1373.00	114.0	1225.00	40.00
20	9:19: 0	69 1.150	1375.00	114.0	1227.00	40.00
21	9:22: 0	72 1.200	1377.00	114.0	1229.00	40.00
22	9:25: 0	75 1.250	1379.00	114.0	1231.00	40.00
23	9:28: 0	78 1.300	1381.00	114.0	1233.00	40.00
24	9:31: 0	81 1.350	1382.00	114.0	1234.00	20.00
25	9:34: 0	84 1.400	1383.00	114.0	1235.00	20.00
26	9:37: 0	87 1.450	1384.00	114.0	1236.00	20.00
27	9:40: 0	90 1.500	1385.00	114.0	1237.00	20.00
28	9:41: 0	91 1.517	356.00	114.0	208.00	-61726.81
29	9:45: 0	95 1.583	309.00	114.0	161.00	-705.01
30	9:50: 0	100 1.667	423.00	114.0	275.00	1367.96
31	9:55: 0	105 1.750	516.00	114.0	368.00	1116.07
32	10: 0: 0	110 1.833	423.00	114.0	275.00	-1115.97
33	10: 5: 0	115 1.917	431.00	114.0	283.00	96.00
34	10:10: 0	120 2.000	453.00	114.0	305.00	264.02
35	10:15: 0	125 2.083	510.00	114.0	362.00	683.98
36	10:20: 0	130 2.167	528.00	114.0	380.00	215.99
37	10:25: 0	135 2.250	531.00	114.0	383.00	36.00
38	10:30: 0	140 2.333	534.00	114.0	386.00	36.00
39	10:35: 0	145 2.417	413.00	114.0	265.00	-1451.96
40	10:40: 0	150 2.500	413.00	114.0	265.00	0.00
41	10:43: 0	153 2.550	1120.00	114.0	972.00	14139.14
42	10:46: 0	156 2.600	1223.00	114.0	1075.00	2059.87
43	10:49: 0	159 2.650	1269.00	114.0	1121.00	920.08
44	10:52: 0	162 2.700	1295.00	114.0	1147.00	519.97
45	10:55: 0	165 2.750	1313.00	114.0	1165.00	360.03
46	10:58: 0	168 2.800	1325.00	114.0	1177.00	239.99
47	11: 1: 0	171 2.850	1336.00	114.0	1188.00	219.99
48	11: 4: 0	174 2.900	1345.00	114.0	1197.00	180.02
49	11: 7: 0	177 2.950	1352.00	114.0	1204.00	139.99

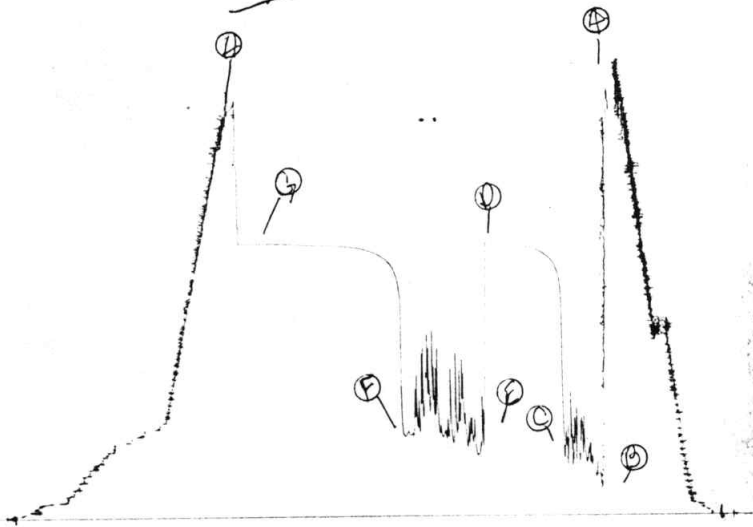
COMPANY : JFW INC. FIELD : CORNWELL
WELL : 1-31 JOB # : 8752
GAUGE # : 13402 DEPTH : 3930
MON/DAY : 1/ 5

PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	11:10: 0	180	3.000	1357.00	114.0	1209.00	100.01
51	11:13: 0	183	3.050	1363.00	114.0	1215.00	119.99
52	11:16: 0	186	3.100	1367.00	114.0	1219.00	80.00
53	11:19: 0	189	3.150	1369.00	114.0	1221.00	40.00
54	11:22: 0	192	3.200	1371.00	114.0	1223.00	40.00
55	11:25: 0	195	3.250	1373.00	114.0	1225.00	40.00
56	11:28: 0	198	3.300	1374.00	114.0	1226.00	20.00
57	11:31: 0	201	3.350	1375.00	114.0	1227.00	20.00
58	11:34: 0	204	3.400	1376.00	114.0	1228.00	20.00
59	11:37: 0	207	3.450	1377.00	114.0	1229.00	20.00
60	11:40: 0	210	3.500	1378.00	114.0	1230.00	20.00
61	11:43: 0	213	3.550	1379.00	114.0	1231.00	20.00
62	11:46: 0	216	3.600	1380.00	114.0	1232.00	20.00
63	11:49: 0	219	3.650	1381.00	114.0	1233.00	20.00
64	11:52: 0	222	3.700	1382.00	114.0	1234.00	20.00
65	11:55: 0	225	3.750	1383.00	114.0	1235.00	20.00
66	11:58: 0	228	3.800	1384.00	114.0	1236.00	20.00
67	12: 1: 0	231	3.850	1385.00	114.0	1237.00	20.00
68	12: 4: 0	234	3.900	1386.00	114.0	1238.00	20.00
69	12: 7: 0	237	3.950	1387.00	114.0	1239.00	20.00
70	12:10: 0	240	4.000	1388.00	114.0	1240.00	20.00
71	12:13: 0	243	4.050	1388.00	114.0	1240.00	0.00
72	12:16: 0	246	4.100	1388.00	114.0	1240.00	0.00
73	12:19: 0	249	4.150	1389.00	114.0	1241.00	20.00
74	12:22: 0	252	4.200	1389.00	114.0	1241.00	0.00
75	12:25: 0	255	4.250	1389.00	114.0	1241.00	0.00
76	12:28: 0	258	4.300	1390.00	114.0	1242.00	20.00
77	12:31: 0	261	4.350	1390.00	114.0	1242.00	0.00
78	12:34: 0	264	4.400	1390.00	114.0	1242.00	0.00
79	12:37: 0	267	4.450	1390.00	114.0	1242.00	0.00
80	12:40: 0	270	4.500	1390.00	114.0	1242.00	0.00

13402
DST #2

TK# 8752
I.

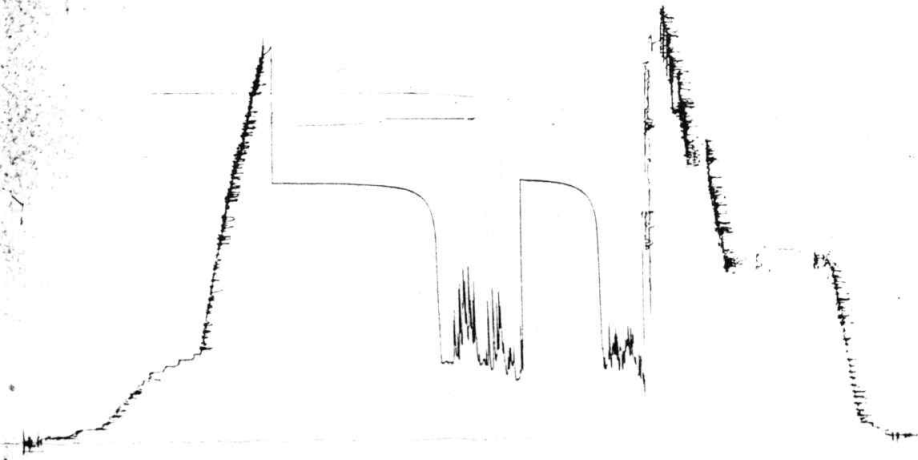


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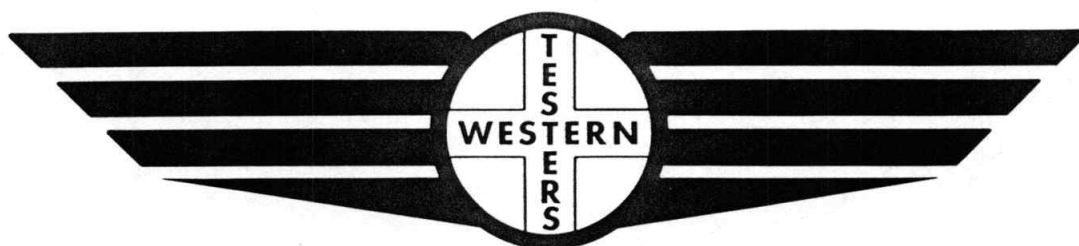
DST#2

TK# 8752

0.



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE	:	1-6-86	TICKET	:	8753
CUSTOMER	:	JFW INC.	LEASE	:	CORNWELL
WELL	:	1-31	TEST:	:	3
ELEVATION	:		GEOLOGIST	:	MICHAEL
SECTION	:	31	FORMATION	:	VIOLA
RANGE	:	13W	TOWNSHIP	:	23S
GAUGE SN#	:	13402	COUNTY	:	STAFFORD
			STATE	:	KANSAS
			RANGE	:	4025
			CLOCK	:	12

INTERVAL FROM	:	3948	TO	:	3992	TOTAL DEPTH	:	3992
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3943	SIZE	:	6.75			
PACKER DEPTH	:	3948	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	10.0	WATER LOSS (CC)	:	9.0
CHLORIDES (PPM)	:				
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3536	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	44	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK DECREASING BLOW.
 BLOW COMMENT #2 : FINAL FLOW PERIOD NO BLOW.
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	:	30	FT	OF: MUD W/ FEW OIL SPECKS.		0.30 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
RECOVERED	:	0	FT	OF:		0.00 Barrels
Total Barrels =		0.3	Total Production =			9.5 Bpd

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	12:35 PM	TIME STARTED OFF BOTTOM	:	2:50 PM
WELL TEMPERATURE	:	115			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2172
INITIAL FLOW PERIOD	MIN:	30	(B)	:	47
INITIAL CLOSED IN PERIOD	MIN:	54	(D)	:	226
FINAL FLOW PERIOD	MIN:	15	(E)	:	54
FINAL CLOSED IN PERIOD	MIN:	30	(G)	:	69
FINAL HYDROSTATIC PRESSURE			(H)	:	2148

Pressure Transient Report

DATA FILE.....

COMPANY.....JFW INC.

DATE OF TEST.....1-6-86

FIELD NAME.....CORNWELL

WELL NAME.....1-31

LOCATION.....STAFFORD-KANSAS

JOB NUMBER.....8753

GAUGE NUMBER.....13402

GAUGE DEPTH.....3992

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./6/86.	12.: 35.: 0.

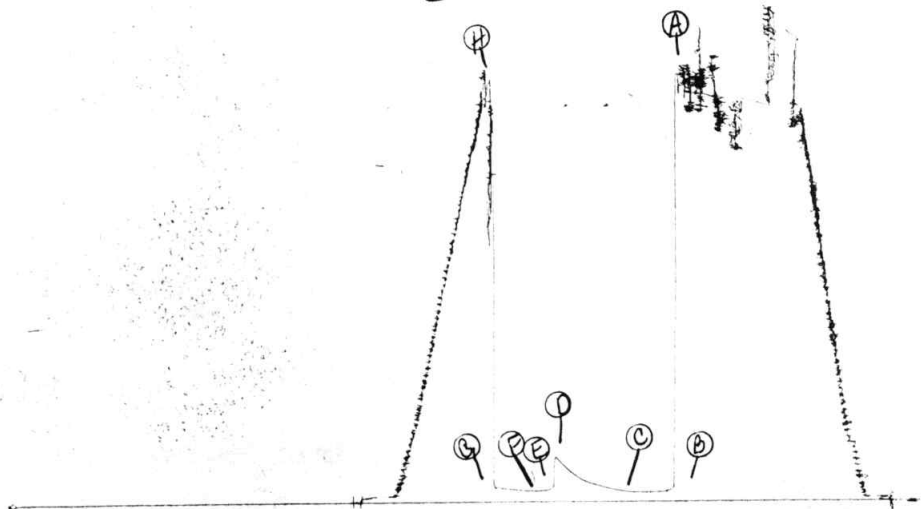
COMPANY : JFW INC. FIELD : CORNWELL
WELL : 1-31 JOB # : 8753
GAUGE # : 13402 DEPTH : 3992
MON/DAY : 1/ 6

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	12:35: 0	0 0.000	47.00	115.0	0.00	0.00
2	12:40: 0	5 0.083	47.00	115.0	0.00	0.00
3	12:45: 0	10 0.167	47.00	115.0	0.00	0.00
4	12:50: 0	15 0.250	47.00	115.0	0.00	0.00
5	12:55: 0	20 0.333	47.00	115.0	0.00	0.00
6	13: 0: 0	25 0.417	47.00	115.0	0.00	0.00
7	13: 5: 0	30 0.500	47.00	115.0	0.00	0.00
8	13: 8: 0	33 0.550	52.00	115.0	5.00	99.99
9	13:11: 0	36 0.600	56.00	115.0	9.00	80.00
10	13:14: 0	39 0.650	61.00	115.0	14.00	99.99
11	13:17: 0	42 0.700	66.00	115.0	19.00	99.99
12	13:20: 0	45 0.750	71.00	115.0	24.00	100.02
13	13:23: 0	48 0.800	75.00	115.0	28.00	80.00
14	13:26: 0	51 0.850	81.00	115.0	34.00	119.99
15	13:29: 0	54 0.900	87.00	115.0	40.00	119.99
16	13:32: 0	57 0.950	92.00	115.0	45.00	99.99
17	13:35: 0	60 1.000	100.00	115.0	53.00	160.04
18	13:38: 0	63 1.050	110.00	115.0	63.00	199.99
19	13:41: 0	66 1.100	122.00	115.0	75.00	239.99
20	13:44: 0	69 1.150	136.00	115.0	89.00	279.98
21	13:47: 0	72 1.200	152.00	115.0	105.00	319.98
22	13:50: 0	75 1.250	170.00	115.0	123.00	360.09
23	13:53: 0	78 1.300	193.00	115.0	146.00	459.97
24	13:56: 0	81 1.350	217.00	115.0	170.00	479.97
25	13:59: 0	84 1.400	226.00	115.0	179.00	179.99
26	14: 0: 0	85 1.417	54.00	115.0	7.00	-10322.52
27	14: 4: 0	89 1.483	54.00	115.0	7.00	0.00
28	14: 9: 0	94 1.567	54.00	115.0	7.00	0.00
29	14:14: 0	99 1.650	54.00	115.0	7.00	0.00
30	14:17: 0	102 1.700	54.00	115.0	7.00	0.00
31	14:20: 0	105 1.750	56.00	115.0	9.00	40.01
32	14:23: 0	108 1.800	58.00	115.0	11.00	40.00
33	14:26: 0	111 1.850	60.00	115.0	13.00	40.00
34	14:29: 0	114 1.900	62.00	115.0	15.00	40.00
35	14:32: 0	117 1.950	64.00	115.0	17.00	40.00
36	14:35: 0	120 2.000	66.00	115.0	19.00	40.01
37	14:38: 0	123 2.050	67.00	115.0	20.00	20.00
38	14:41: 0	126 2.100	68.00	115.0	21.00	20.00
39	14:44: 0	129 2.150	69.00	115.0	22.00	20.00

13402
DST#3

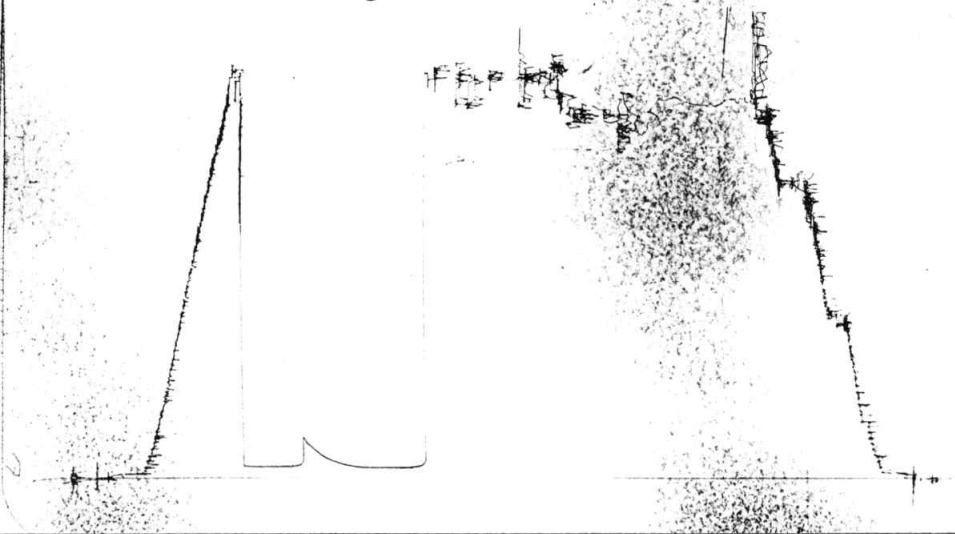
TK# 8753
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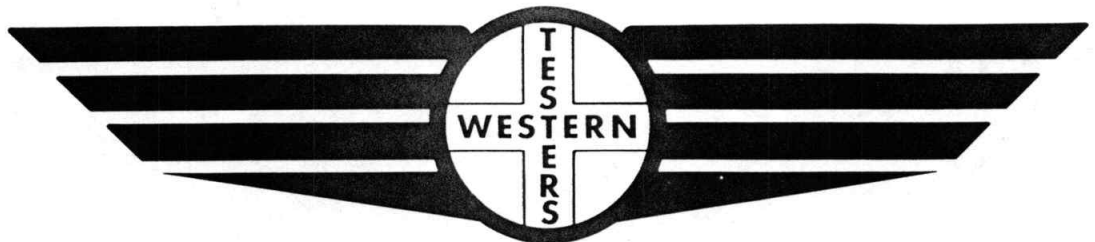
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DST #3

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY J.F.W. INC. LEASE & WELL NO. Cornwell/#1-31 SEC. 31 TWP 23S RGE. 13W TEST NO. 4 DATE 1-7-86

SUBSURFACE PRESSURE SURVEY

DATE	:	1-7-86	TICKET	:	8754
CUSTOMER	:	JFW INC.	LEASE	:	CORNWELL
WELL	:	1-31	TEST:	:	4
ELEVATION	:		GEOLOGIST	:	MICHAEL
SECTION	:	31	FORMATION	:	SIMPSON
RANGE	:	13W	COUNTY	:	STAFFORD
GAUGE SN#	:	13402	RANGE	:	4025
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3965	TO	:	4040	TOTAL DEPTH	:	4040
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3960	SIZE	:	6.75			
PACKER DEPTH	:	3965	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WILLIAMSON DRLG			
MUD TYPE	:	STARCH	VISCOSITY	:	48
WEIGHT	:	10.0	WATER LOSS (CC)	:	9.6
CHLORIDES (PPM)	:				
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3553	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	75	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD VERY WEAK BLOW.
 BLOW COMMENT #2 : FINAL FLOW PERIOD NO BLOW.
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	:	20	FT	OF: MUD.	:	0.20 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
Total Barrels =	:	0.2	Total Production =	:	6.4 Bpd	

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	5:30 AM	TIME STARTED OFF BOTTOM	:	7:45 AM
WELL TEMPERATURE	:	116			
INITIAL HYDROSTATIC PRESSURE	:		(A)	:	2168
INITIAL FLOW PERIOD	MIN:	30	(B)	:	65 PSI TO (C) : 65
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	:	1139
FINAL FLOW PERIOD	MIN:	15	(E)	:	73 PSI TO (F) : 73
FINAL CLOSED IN PERIOD	MIN:	27	(G)	:	800
FINAL HYDROSTATIC PRESSURE	:		(H)	:	2134

Pressure Transient Report

DATA FILE.....
COMPANY.....JFW INC.
DATE OF TEST.....1-7-86
FIELD NAME.....CORNWELL
WELL NAME.....1-31
LOCATION.....STAFFORD-KANSAS
JOB NUMBER.....8754
GAUGE NUMBER.....13402
GAUGE DEPTH.....4040

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./7/86.	5.: 30.: 0.

COMPANY : JFW INC. FIELD : CORNWELL
WELL : 1-31 JOB # : 8754
GAUGE # : 13402 DEPTH : 4040
MON/DAY : 1/ 7

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	5:30: 0	0 0.000	65.00	116.0	0.00	20.00
2	5:35: 0	5 0.083	65.00	116.0	0.00	0.00
3	5:40: 0	10 0.167	65.00	116.0	0.00	0.00
4	5:45: 0	15 0.250	65.00	116.0	0.00	0.00
5	5:50: 0	20 0.333	65.00	116.0	0.00	0.00
6	5:55: 0	25 0.417	65.00	116.0	0.00	0.00
7	6: 0: 0	30 0.500	65.00	116.0	0.00	0.00
8	6: 3: 0	33 0.550	81.00	116.0	16.00	319.98
9	6: 6: 0	36 0.600	133.00	116.0	68.00	1039.94
10	6: 9: 0	39 0.650	250.00	116.0	185.00	2340.57
11	6:12: 0	42 0.700	372.00	116.0	307.00	2439.85
12	6:15: 0	45 0.750	477.00	116.0	412.00	2099.87
13	6:18: 0	48 0.800	575.00	116.0	510.00	1959.88
14	6:21: 0	51 0.850	672.00	116.0	607.00	1939.88
15	6:24: 0	54 0.900	753.00	116.0	688.00	1620.40
16	6:27: 0	57 0.950	816.00	116.0	751.00	1259.92
17	6:30: 0	60 1.000	862.00	116.0	797.00	919.94
18	6:33: 0	63 1.050	913.00	116.0	848.00	1019.94
19	6:36: 0	66 1.100	951.00	116.0	886.00	759.95
20	6:39: 0	69 1.150	988.00	116.0	923.00	740.18
21	6:42: 0	72 1.200	1020.00	116.0	955.00	639.96
22	6:45: 0	75 1.250	1049.00	116.0	984.00	579.96
23	6:48: 0	78 1.300	1072.00	116.0	1007.00	459.97
24	6:51: 0	81 1.350	1094.00	116.0	1029.00	439.97
25	6:54: 0	84 1.400	1112.00	116.0	1047.00	360.09
26	6:57: 0	87 1.450	1131.00	116.0	1066.00	379.98
27	7: 0: 0	90 1.500	1139.00	116.0	1074.00	159.99
28	7: 1: 0	91 1.517	73.00	116.0	8.00	-63975.62
29	7: 5: 0	95 1.583	73.00	116.0	8.00	0.00
30	7:10: 0	100 1.667	73.00	116.0	8.00	0.00
31	7:15: 0	105 1.750	73.00	116.0	8.00	0.00
32	7:18: 0	108 1.800	93.00	116.0	28.00	399.98
33	7:21: 0	111 1.850	138.00	116.0	73.00	899.95
34	7:24: 0	114 1.900	230.00	116.0	165.00	1840.45
35	7:27: 0	117 1.950	348.00	116.0	283.00	2359.86
36	7:30: 0	120 2.000	467.00	116.0	402.00	2379.85
37	7:33: 0	123 2.050	555.00	116.0	490.00	1759.89
38	7:36: 0	126 2.100	642.00	116.0	577.00	1739.89
39	7:39: 0	129 2.150	715.00	116.0	650.00	1460.36
40	7:42: 0	132 2.200	800.00	116.0	735.00	1699.90

13402

D57 #4

TRT # 8754

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1559
DST #4

TK+ # 8754
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