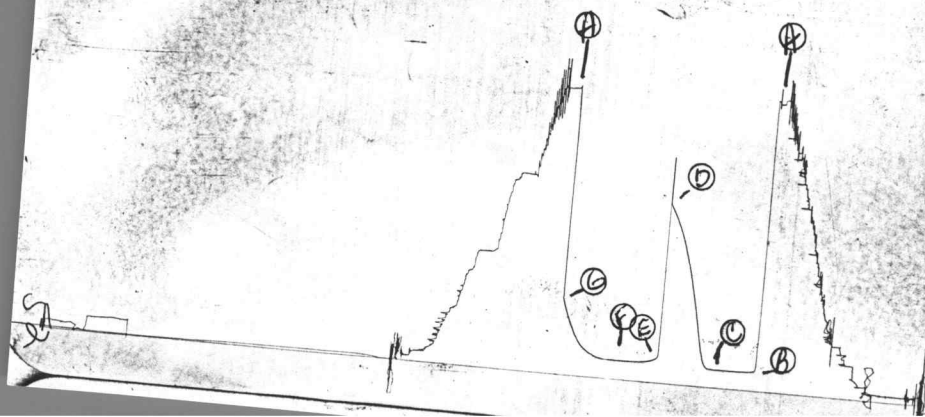


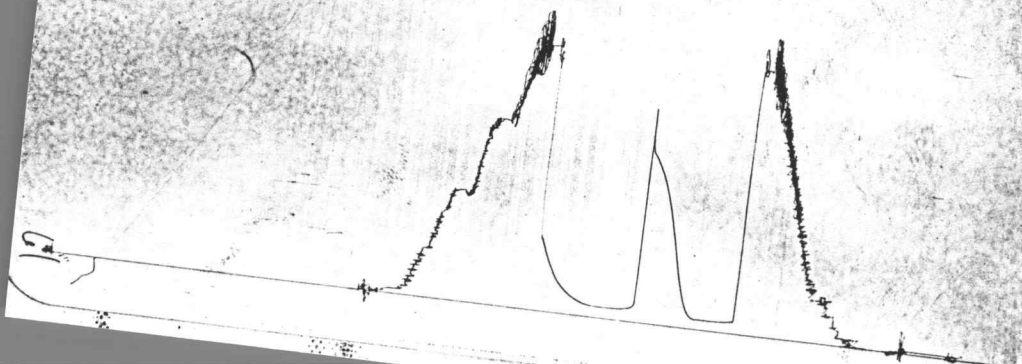
JK # 13987

I



JK H 13987

0



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BRANDT PRODUCTION CO., INC. LEASE & WELL NO. GLASER #1 SEC. 14 TWP. 29S RGE. 1E TEST NO. 1 DATE 8/9/88

RECOVERED : 60 FT OF: DRILLING MUD

Total Barrels Fluid = 0.30
Total Fluid Prod Rate = 7.08 BFPD
Indicated Wtr Rate = 0.71 BWPD

REMARK 1 : TIGHT HOLE !!

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 7:15 PM

TIME STARTED OFF BOTTOM : 9:45 PM

WELL TEMPERATURE : 109

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 45

FINAL HYDROSTATIC PRESSURE

(A) 1532

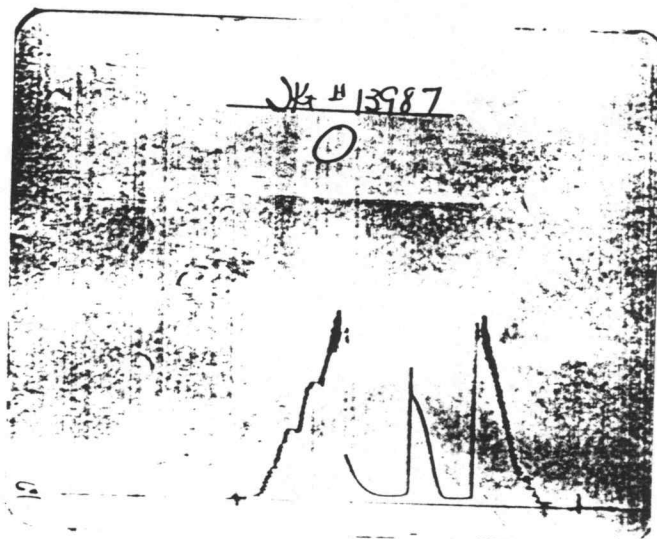
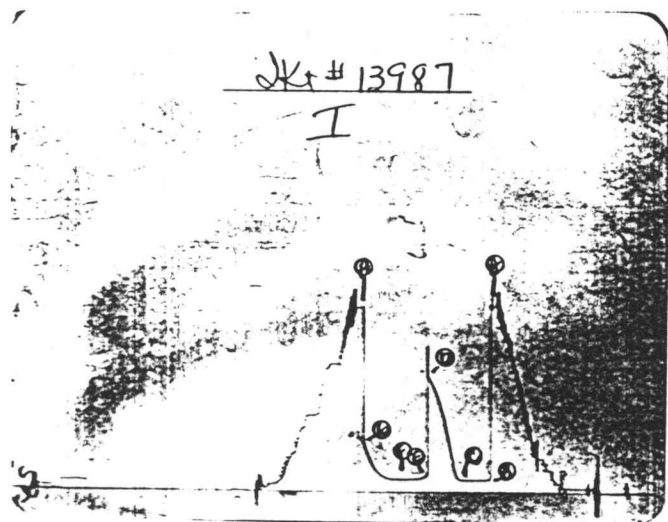
(B) 97 PSI TO (C) : 97

(D) 945

(E) 100 PSI TO (F) : 100

(G) 406

(H) 1508



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRANDT PRODUCTION CO. INC.
RIG : SEDGWICK-KANSAS
FIELD : GLASER
WELL : #1
DATE : 8-9-88
GAUGE NO : 13552

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : BRANDT PRODUCTION CO. INC.

WELL : #1

GAUGE # : 13552

DATE : 9/ 8/88

FIELD : GLASER

JOB # : 13987

DEPTH : 3140

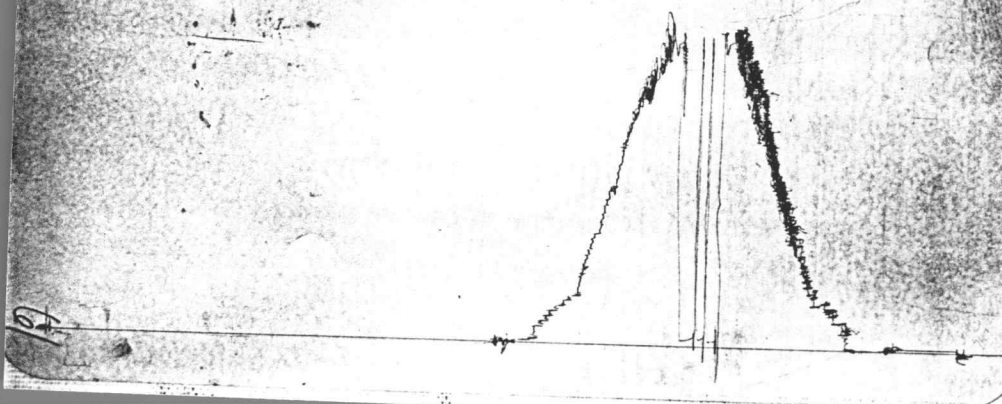
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	7:15: 0	0.000	97.000	109.00	0.000
3	7:19:59	0.083	97.000	109.00	0.000
4	7:25: 0	0.167	97.000	109.00	0.000
5	7:30: 0	0.250	97.000	109.00	0.000
6	7:34:59	0.333	97.000	109.00	0.000
7	7:40: 0	0.417	97.000	109.00	0.000
8	7:45: 0	0.500	97.000	109.00	0.000
INITIAL SHUT-IN					
9	7:48: 0	0.550	97.000	109.00	0.000
10	7:51: 0	0.600	99.000	109.00	2.000
11	7:54: 0	0.650	123.000	109.00	24.000
12	7:57: 0	0.700	189.000	109.00	66.000
13	8: 0: 0	0.750	272.000	109.00	83.000
14	8: 3: 0	0.800	371.000	109.00	99.000
15	8: 6: 0	0.850	459.000	109.00	88.000
16	8: 9: 0	0.900	554.000	109.00	95.000
17	8:12: 0	0.950	639.000	109.00	85.000
18	8:15: 0	1.000	712.000	109.00	73.000
19	8:18: 0	1.050	775.000	109.00	63.000
20	8:21: 0	1.100	834.000	109.00	59.000
21	8:24: 0	1.150	878.000	109.00	44.000
22	8:27: 0	1.200	916.000	109.00	38.000
23	8:30: 0	1.250	945.000	109.00	29.000
FINAL FLOW					
24	8:31: 0	1.267	100.000	109.00	-845.000
25	8:34:59	1.333	100.000	109.00	0.000
26	8:40: 0	1.417	100.000	109.00	0.000
27	8:45: 0	1.500	100.000	109.00	0.000
28	8:49:59	1.583	100.000	109.00	0.000
29	8:55: 0	1.667	100.000	109.00	0.000
30	9: 0: 0	1.750	100.000	109.00	0.000
FINAL SHUT-IN					
31	9: 3: 0	1.800	100.000	109.00	0.000
32	9: 6: 0	1.850	100.000	109.00	0.000
33	9: 9: 0	1.900	101.000	109.00	1.000
34	9:12: 0	1.950	102.000	109.00	1.000
35	9:15: 0	2.000	106.000	109.00	4.000
36	9:18: 0	2.050	114.000	109.00	8.000
37	9:21: 0	2.100	123.000	109.00	9.000
38	9:24: 0	2.150	140.000	109.00	17.000
39	9:27: 0	2.200	158.000	109.00	18.000
40	9:30: 0	2.250	184.000	109.00	26.000
41	9:33: 0	2.300	219.000	109.00	35.000
42	9:36: 0	2.350	266.000	109.00	47.000
43	9:39: 0	2.400	317.000	109.00	51.000
44	9:42: 0	2.450	382.000	109.00	65.000
45	9:45: 0	2.500	406.000	109.00	24.000

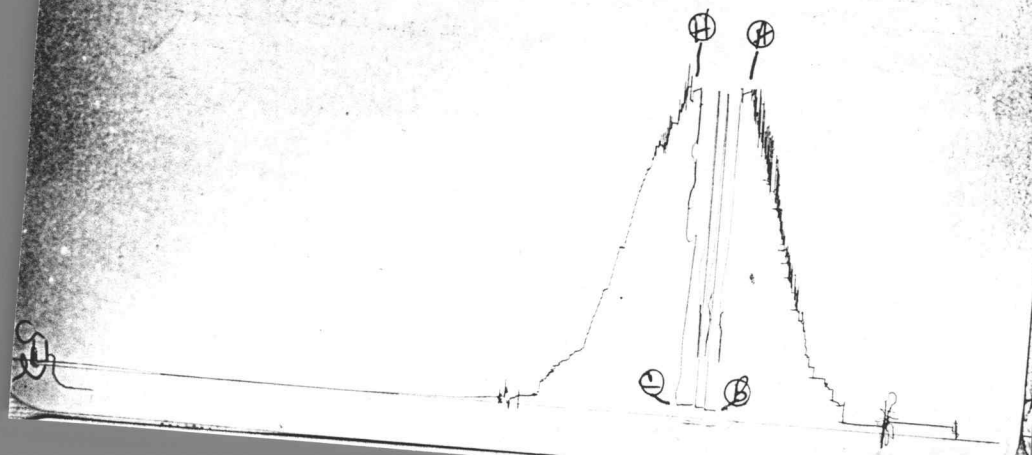
WESTERN TESTING CO. INC.

JK # 13988

0



JK # 13988
I



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-11-88	TICKET	:	13988
CUSTOMER	:	BRANDT PRODUCTION CO. INC.	LEASE	:	GLASER
WELL	:	#1	TEST:	:	2
ELEVATION	:	-	GEOLOGIST	:	E BRANDT
SECTION	:	14	FORMATION	:	SIMPSON
RANGE	:	1E	COUNTY	:	SEDGWICK
Gauge SN#	:	13552	RANGE	:	4050
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3489	TO	:	3496	TOTAL DEPTH	:	3496
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3484	SIZE	:	6.63			
PACKER DEPTH	:	3489	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BRANDT RIG 3			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	9.2	WATER LOSS (CC)	:	13.2
CHLORIDES (PPM)	:	2800			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	490	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2975	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	24	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	7	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 FH

BLOW COMMENT #1 : NO BLOW ON THE FLOW PERIOD.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 1 FT OF: DRILLING MUD

Total Barrels Fluid = 0.00
Total Fluid Prod Rate = 0.24 BFPD
Indicated Wtr Rate = 0.02 BWPD

REMARK 1 : TIGHT HOLE !!

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 2:25 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 0

FINAL FLOW PERIOD MIN: 0

FINAL CLOSED IN PERIOD MIN: 0

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 2:50 PM

(A) 1737

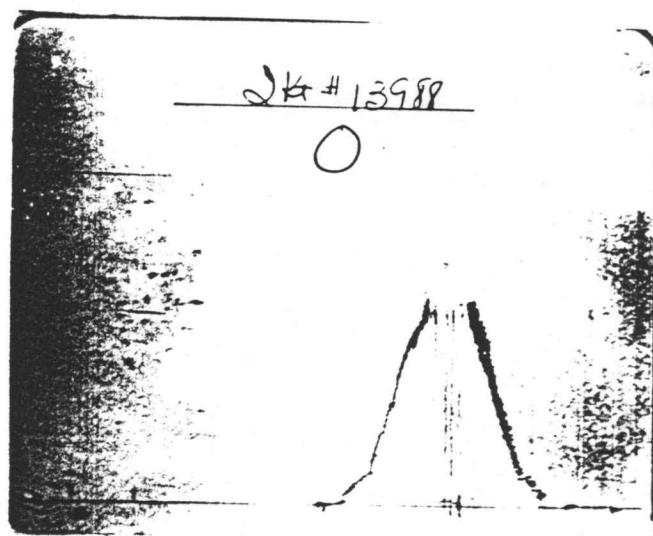
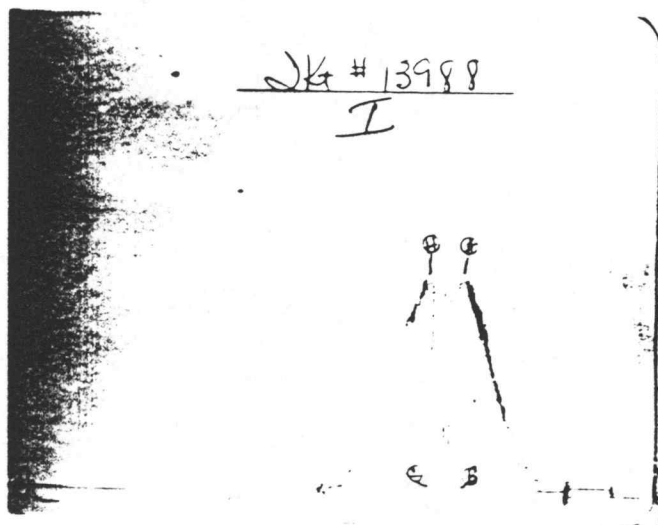
(B) 50 PSI TO (C) : 62

(D) 0

(E) 0 PSI TO (F) : 0

(G) 0

(H) 1723



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRANDT PRODUCTION CO. INC.
RIG : SEDGWICK-KANSAS
FIELD : GLASER
WELL : #1
DATE : 8-11-88
GAUGE NO : 13552

OPERATIONAL COMMENTS

TIGHT HOLE !!
FLUSHED TOOL.

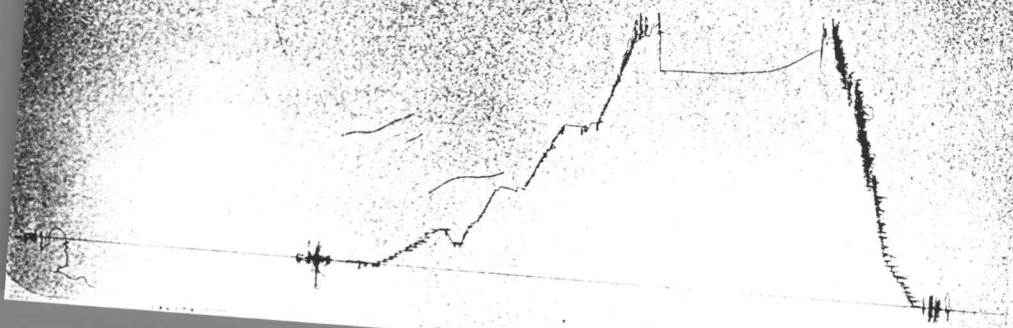
COMPANY : BRANDT PRODUCTION CO. INC.
WELL : #1
GAUGE # : 13552
DATE : 11/ 8/88

FIELD : GLASER
JOB # : 13988
DEPTH : 3496
TEST : TIGHT HOLE !!

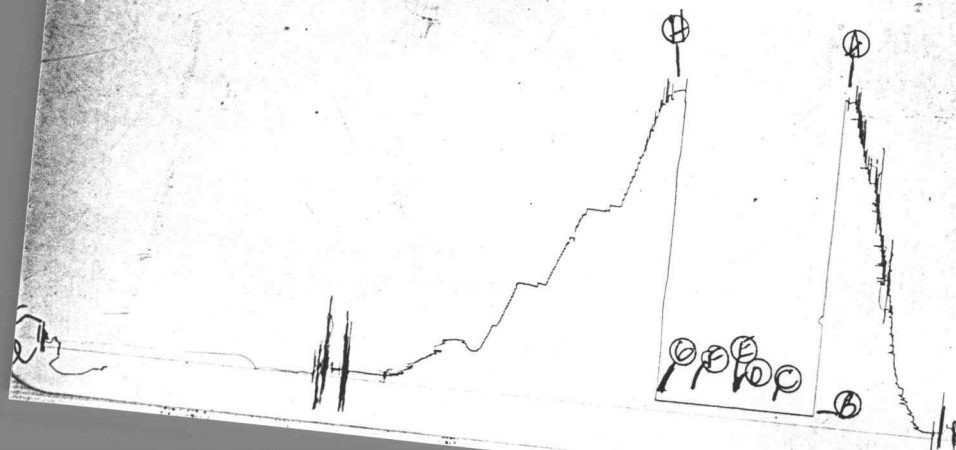
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	2:25: 0	0.000	50.000	112.00	0.000
2	2:29:59	0.083	50.000	112.00	0.000
3	2:35: 0	0.167	60.000	112.00	10.000
4	2:40: 0	0.250	57.000	112.00	-3.000
5	2:44:59	0.333	67.000	112.00	10.000
6	2:50: 0	0.417	66.000	112.00	-1.000
7	2:55: 0	0.500	62.000	112.00	-4.000

WESTERN TESTING CO. INC.

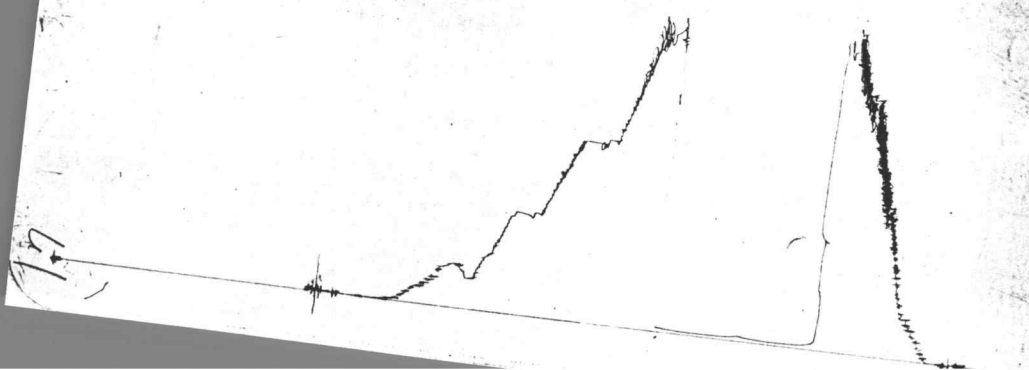
Dike # 13989
Below Straddle



Sta # 13989
I

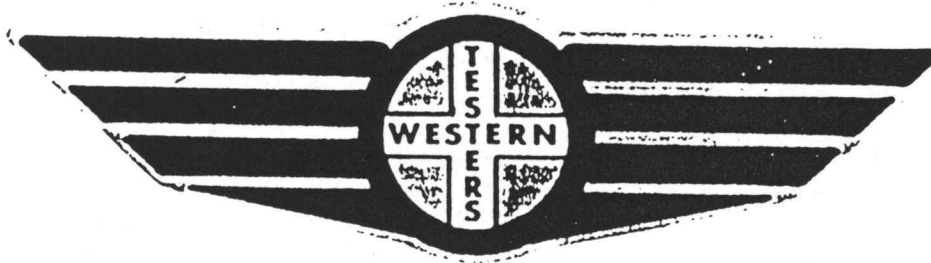


Sk # 13989



61

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-12-88	TICKET	:	13989
CUSTOMER	:	BRANDT PRODUCTION CO. INC.	LEASE	:	GLASER
WELL	:	#1	TEST:	:	3
ELEVATION	:	-	GEOLOGIST	:	E BRANDT
SECTION	:	14	FORMATION	:	SIMPSON
RANGE	:	1E	TOWNSHIP	:	29S
GAUGE SN#	:	13552	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4050		12

INTERVAL FROM	:	3490	TO	:	3502	TOTAL DEPTH	:	3515
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3490	SIZE	:	6.63			
PACKER DEPTH	:	3502	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BRANDT RIG 3			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	9.2	WATER LOSS (CC)	:	13.2
CHLORIDES (PPM)	:	2800			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	490	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2984	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	16	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	12	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 FH

BLOW COMMENT #1 : NO BLOW ON EITHER INITIAL OR FINAL FLOW PERIODS.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 2 FT OF: DRILLING MUD (SPECKS OF OIL)

Total Barrels Fluid = 0.01
Total Fluid Prod Rate = 0.24 BFPD
Indicated Wtr Rate = 0.02 BWPD

REMARK 1 : TIGHT HOLE !!
REMARK 2 : 13 FEET OF TAIL PIPE.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 8:00 AM

TIME STARTED OFF BOTTOM : 10:00 AM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 1731

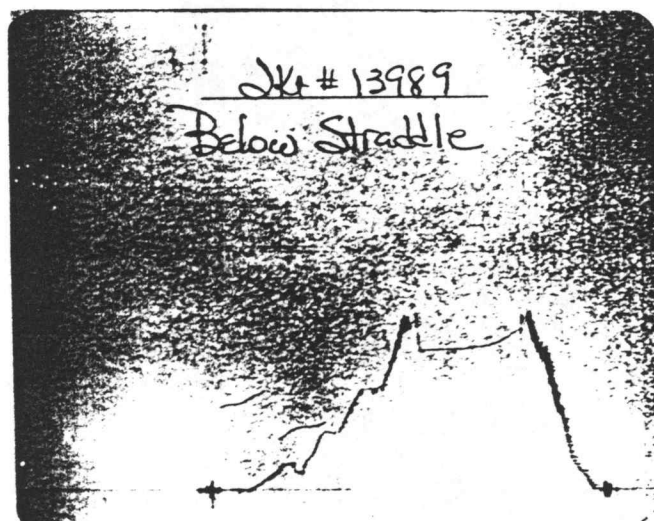
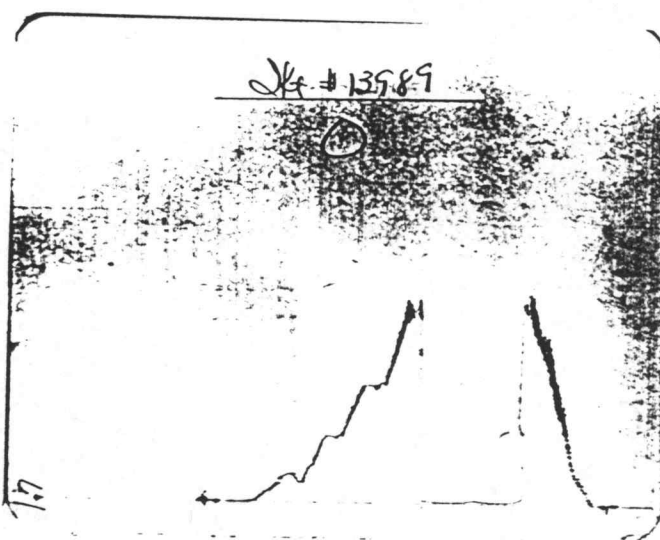
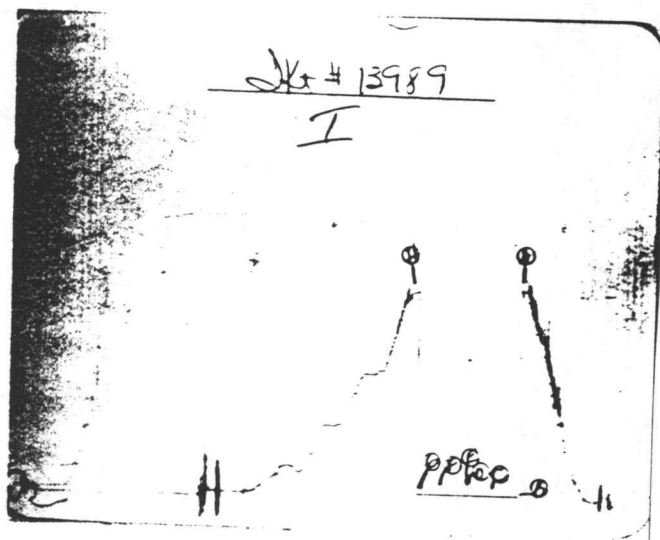
(B) 55 PSI TO (C) : 55

(D) 55

(E) 55 PSI TO (F) : 55

(G) 55

(H) 1705



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRANDT PRODUCTION CO. INC.
RIG : SEDGWICK-KANSAS
FIELD : GLASER
WELL : #1
DATE : 8-12-88
GAUGE NO : 13552

OPERATIONAL COMMENTS

TIGHT HOLE !!
13 FEET OF TAIL PIPE.

COMPANY : BRANDT PRODUCTION CO. INC.
WELL : #1
GAUGE # : 13552
DATE : 12/ 8/88

FIELD : GLASER
JOB # : 13989
DEPTH : 3515
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	8: 0: 0	0.000	55.000	112.00	0.000
3	8: 4:59	0.083	55.000	112.00	0.000
4	8:10: 0	0.167	55.000	112.00	0.000
5	8:15: 0	0.250	55.000	112.00	0.000
6	8:19:59	0.333	55.000	112.00	0.000
7	8:25: 0	0.417	55.000	112.00	0.000
8	8:30: 0	0.500	55.000	112.00	0.000
INITIAL SHUT-IN					
9	8:33: 0	0.550	55.000	112.00	0.000
10	8:36: 0	0.600	55.000	112.00	0.000
11	8:39: 0	0.650	55.000	112.00	0.000
12	8:42: 0	0.700	55.000	112.00	0.000
13	8:45: 0	0.750	55.000	112.00	0.000
14	8:48: 0	0.800	55.000	112.00	0.000
15	8:51: 0	0.850	55.000	112.00	0.000
16	8:54: 0	0.900	55.000	112.00	0.000
17	8:57: 0	0.950	55.000	112.00	0.000
18	9: 0: 0	1.000	55.000	112.00	0.000
FINAL FLOW					
19	9: 1: 0	1.017	55.000	112.00	0.000
20	9: 4:59	1.083	55.000	112.00	0.000
21	9:10: 0	1.167	55.000	112.00	0.000
22	9:15: 0	1.250	55.000	112.00	0.000
23	9:19:59	1.333	55.000	112.00	0.000
24	9:25: 0	1.417	55.000	112.00	0.000
25	9:30: 0	1.500	55.000	112.00	0.000
FINAL SHUT-IN					
26	9:33: 0	1.550	55.000	112.00	0.000
27	9:36: 0	1.600	55.000	112.00	0.000
28	9:39: 0	1.650	55.000	112.00	0.000
29	9:42: 0	1.700	55.000	112.00	0.000
30	9:45: 0	1.750	55.000	112.00	0.000
31	9:48: 0	1.800	55.000	112.00	0.000
32	9:51: 0	1.850	55.000	112.00	0.000
33	9:54: 0	1.900	55.000	112.00	0.000
34	9:57: 0	1.950	55.000	112.00	0.000
35	10: 0: 0	2.000	55.000	112.00	0.000

WESTERN TESTING CO. INC.