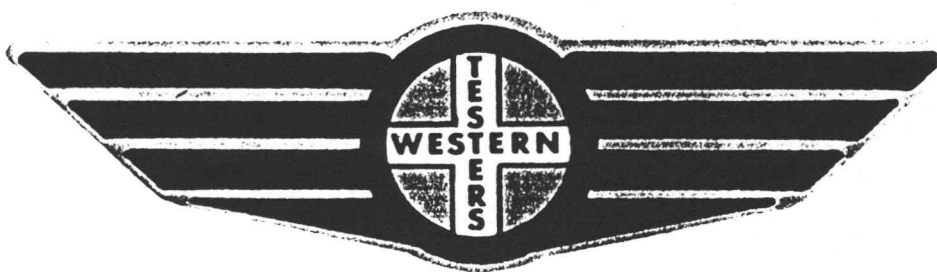


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	10-5-87	TICKET	:	11831	
CUSTOMER	:	BEREXCO INC.	LEASE	:	MINES FARM	
WELL	:	#1	TEST:	:	1	
ELEVATION	:	2742 KB	GEOLOGIST	:	P.S. HOUSTON	
SECTION	:	14	FORMATION	:	LANSING	
RANGE	:	30W	TOWNSHIP	:	2S	
Gauge SN#	:	3849	STATE	:	KANSAS	
		COUNTY :	DECATUR		CLOCK :	12
		RANGE :	4200			

INTERVAL FROM	:	3741	TO	:	3780	TOTAL DEPTH	:	3780
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3736	SIZE	:	6.75			
PACKER DEPTH	:	3741	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	MURFIN RIG #2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	34
WEIGHT	:	9.4	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	1900			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	420
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	485	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3237	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	29	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	39	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-WEAK BLOW-1/4" IN WATER.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-1/4" IN WATER.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 180 FT OF: WATERY MUD WITH SCUM OF OIL
OIL LESS THAN 1%-10% WATER-90% MUD
CHLORIDES: 25000 PPM
RESISTIVITY .6 @ 60 DEG.F.

Total Barrels Fluid = 0.85
Total Fluid Prod Rate = 10.15 BFPD
Indicated Wtr Rate = 1.92 BWPD

REMARK 1 : SLT. PLUGGING INITIAL FLOW
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	6:05 AM	TIME STARTED OFF BOTTOM :	10:05 AM
WELL TEMPERATURE :	120		
INITIAL HYDROSTATIC PRESSURE		(A)	1918
INITIAL FLOW PERIOD MIN:	60	(B)	51 PSI TO (C) : 73
INITIAL CLOSED IN PERIOD MIN:	60	(D)	204
FINAL FLOW PERIOD MIN:	60	(E)	89 PSI TO (F) : 103
FINAL CLOSED IN PERIOD MIN:	66	(G)	206
FINAL HYDROSTATIC PRESSURE		(H)	1869

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BEREXCO INC.
RIG : DECATUR-KANSAS
FIELD : MINES FARM
WELL : #1
DATE : 10-5-87
GAUGE NO : 3849

OPERATIONAL COMMENTS

SLT. PLUGGING INITIAL FLOW

COMPANY : BEREXCO INC.
WELL : #1
GAUGE # : 3849
DATE : 5/10/87

FIELD : MINES FARM
JOB # : 11831
DEPTH : 3780
TEST : SLT.PLUGGING INITIAL FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6: 5: 0	0.000	51.000	120.00	0.000
2	6: 9:59	0.083	51.000	120.00	0.000
3	6:15: 0	0.167	51.000	120.00	0.000
4	6:20: 0	0.250	53.000	120.00	2.000
5	6:24:59	0.333	60.000	120.00	7.000
6	6:30: 0	0.417	80.000	120.00	20.000
7	6:35: 0	0.500	96.000	120.00	16.000
8	6:39:59	0.583	116.000	120.00	20.000
9	6:45: 0	0.667	80.000	120.00	-36.000
10	6:50: 0	0.750	74.000	120.00	-6.000
11	6:54:59	0.833	73.000	120.00	-1.000
12	7: 0: 0	0.917	73.000	120.00	0.000
13	7: 5: 0	1.000	73.000	120.00	0.000
14	7: 8: 0	1.050	95.000	120.00	22.000
15	7:11: 0	1.100	120.000	120.00	25.000
16	7:14: 0	1.150	144.000	120.00	24.000
17	7:17: 0	1.200	151.000	120.00	7.000
18	7:20: 0	1.250	162.000	120.00	11.000
19	7:23: 0	1.300	167.000	120.00	5.000
20	7:26: 0	1.350	172.000	120.00	5.000
21	7:29: 0	1.400	176.000	120.00	4.000
22	7:32: 0	1.450	182.000	120.00	6.000
23	7:35: 0	1.500	184.000	120.00	2.000
24	7:38: 0	1.550	188.000	120.00	4.000
25	7:41: 0	1.600	193.000	120.00	5.000
26	7:44: 0	1.650	195.000	120.00	2.000
27	7:47: 0	1.700	197.000	120.00	2.000
28	7:50: 0	1.750	198.000	120.00	1.000
29	7:53: 0	1.800	200.000	120.00	2.000
30	7:56: 0	1.850	201.000	120.00	1.000
31	7:59: 0	1.900	202.000	120.00	1.000
32	8: 2: 0	1.950	203.000	120.00	1.000
33	8: 5: 0	2.000	204.000	120.00	1.000
34	8: 6: 0	2.017	89.000	120.00	-115.000
35	8: 9:59	2.083	89.000	120.00	0.000
36	8:15: 0	2.167	89.000	120.00	0.000
37	8:20: 0	2.250	89.000	120.00	0.000
38	8:24:59	2.333	89.000	120.00	0.000
39	8:30: 0	2.417	90.000	120.00	1.000
40	8:35: 0	2.500	94.000	120.00	4.000
41	8:39:59	2.583	96.000	120.00	2.000
42	8:45: 0	2.667	98.000	120.00	2.000
43	8:50: 0	2.750	99.000	120.00	1.000
44	8:54:59	2.833	101.000	120.00	2.000
45	9: 0: 0	2.917	102.000	120.00	1.000
46	9: 5: 0	3.000	103.000	120.00	1.000
47	9: 8: 0	3.050	109.000	120.00	6.000
48	9:11: 0	3.100	129.000	120.00	20.000
49	9:14: 0	3.150	145.000	120.00	16.000
50	9:17: 0	3.200	156.000	120.00	11.000
51	9:20: 0	3.250	165.000	120.00	9.000
52	9:23: 0	3.300	169.000	120.00	4.000

COMPANY : BEREXCO INC.

WELL : #1

GAUGE # : 3849

DATE : 5/10/87

FIELD : MINES FARM

JOB # : 11831

DEPTH : 3780

TEST : SLT.PLUGGING INITIAL FLOW

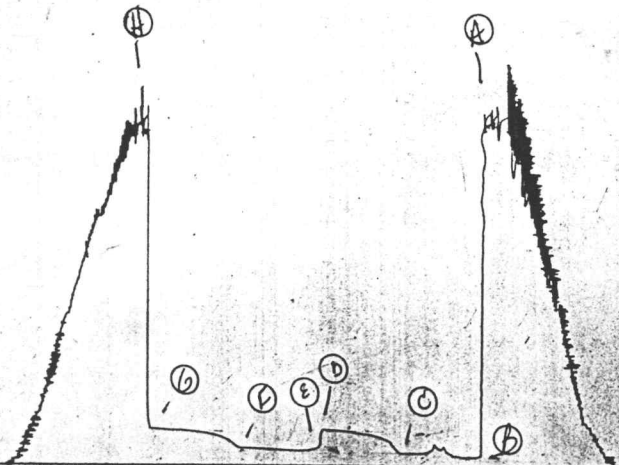
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
53	9:26: 0	3.350	174.000	120.00	5.000
54	9:29: 0	3.400	180.000	120.00	6.000
55	9:32: 0	3.450	185.000	120.00	5.000
56	9:35: 0	3.500	188.000	120.00	3.000
57	9:38: 0	3.550	190.000	120.00	2.000
58	9:41: 0	3.600	193.000	120.00	3.000
59	9:44: 0	3.650	195.000	120.00	2.000
60	9:47: 0	3.700	197.000	120.00	2.000
61	9:50: 0	3.750	199.000	120.00	2.000
62	9:53: 0	3.800	201.000	120.00	2.000
63	9:56: 0	3.850	202.000	120.00	1.000
64	9:59: 0	3.900	202.000	120.00	0.000
65	10: 2: 0	3.950	202.000	120.00	0.000
66	10: 5: 0	4.000	202.000	120.00	0.000
67	10: 8: 0	4.050	204.000	120.00	2.000
68	10:11: 0	4.100	206.000	120.00	2.000

WESTERN TESTING CO. INC.

3849

St # 11831

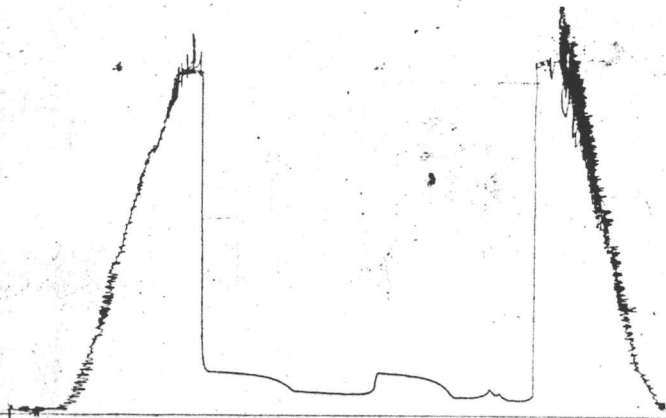
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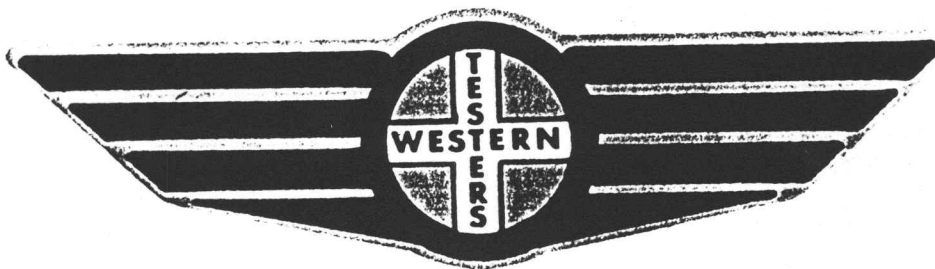
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JK # 11831

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BEREXCO, INC.

LEASE & WELL NO. MINES FARMS #1

SEC. 14 TWP. 2S RGE. 30W TEST NO. 2 DATE 10-6-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 10-6-87
CUSTOMER : BEREXCO INC.
WELL : #1 TEST: 2
ELEVATION : 2742 KB
SECTION : 14
RANGE : 30W COUNTY : DECATUR
GAUGE SN# : 3849 RANGE : 4200

TICKET : 11830
LEASE : MINES FARMS
GEOLOGIST : P.S. HOUSTON
FORMATION : L-KC "F"
TOWNSHIP : 2S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3788 TO : 3840 TOTAL DEPTH : 3840
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3785 SIZE : 6.75
PACKER DEPTH : 3788 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 49
WEIGHT : 9.6 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 1500
JARS-MAKE : WTC SERIAL NUMBER : 420
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 485 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3274 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 52 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-WEAK BLOW-1/2" IN WATER.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 60 FT OF: MUD WITH SCUM OF OIL
OIL LESS THAN 1%

Total Barrels Fluid = 0.28
Total Fluid Prod Rate = 4.28 BFPD
Indicated Wtr Rate = 0.38 BWPD

REMARK 1 : FLUSHED TOOL INITIAL FLOW
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:15 PM

TIME STARTED OFF BOTTOM : 1:20 AM

WELL TEMPERATURE : 120

INITIAL HYDROSTATIC PRESSURE

(A) 1976

INITIAL FLOW PERIOD MIN: 50

(B) 48

PSI TO (C) : 48

INITIAL CLOSED IN PERIOD MIN: 45

(D) 513

FINAL FLOW PERIOD MIN: 45

(E) 62

PSI TO (F) : 62

FINAL CLOSED IN PERIOD MIN: 42

(G) 487

FINAL HYDROSTATIC PRESSURE

(H) 1923

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BEREXCO INC.
RIG : DECATUR-KANSAS
FIELD : MINES FARMS
WELL : #1
DATE : 10-6-87
GAUGE NO : 3849

OPERATIONAL COMMENTS

FLUSHED TOOL INITIAL FLOW

COMPANY : BÉREXCO INC.

WELL : #1

GAUGE # : 3849

DATE : 6/10/87

FIELD : MINES FARMS

JOB # : 11830

DEPTH : 3840

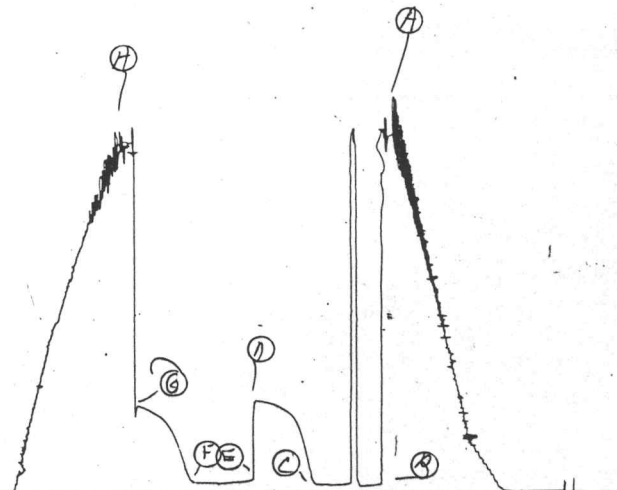
TEST : FLUSHED TOOL INITIAL FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10:15: 0	0.000	48.000	120.00	0.000
2	10:19:59	0.083	42.000	120.00	-6.000
3	10:25: 0	0.167	39.000	120.00	-3.000
4	10:30: 0	0.250	38.000	120.00	-1.000
5	10:34:59	0.333	49.000	120.00	11.000
6	10:40: 0	0.417	50.000	120.00	1.000
7	10:45: 0	0.500	47.000	120.00	-3.000
8	10:49:59	0.583	45.000	120.00	-2.000
9	10:55: 0	0.667	48.000	120.00	3.000
10	11: 0: 0	0.750	48.000	120.00	0.000
11	11: 4:59	0.833	48.000	120.00	0.000
12	11: 7:59	0.883	79.000	120.00	31.000
13	11:10:59	0.933	178.000	120.00	99.000
14	11:13:59	0.983	277.000	120.00	99.000
15	11:16:59	1.033	349.000	120.00	72.000
16	11:19:59	1.083	398.000	120.00	49.000
17	11:22:59	1.133	431.000	120.00	33.000
18	11:25:59	1.183	450.000	120.00	19.000
19	11:28:59	1.233	464.000	120.00	14.000
20	11:31:59	1.283	477.000	120.00	13.000
21	11:34:59	1.333	486.000	120.00	9.000
22	11:37:59	1.383	495.000	120.00	9.000
23	11:40:59	1.433	499.000	120.00	4.000
24	11:43:59	1.483	505.000	120.00	6.000
25	11:46:59	1.533	509.000	120.00	4.000
26	11:49:59	1.583	513.000	120.00	4.000
27	11:51: 0	1.600	62.000	120.00	-451.000
28	11:54:59	1.667	62.000	120.00	0.000
29	12: 0: 0	1.750	62.000	120.00	0.000
30	12: 4:59	1.833	62.000	120.00	0.000
31	12: 9:59	1.917	62.000	120.00	0.000
32	12:15: 0	2.000	62.000	120.00	0.000
33	12:19:59	2.083	62.000	120.00	0.000
34	12:24:59	2.167	62.000	120.00	0.000
35	12:30: 0	2.250	62.000	120.00	0.000
36	12:34:59	2.333	62.000	120.00	0.000
37	12:37:59	2.383	96.000	120.00	34.000
38	12:40:59	2.433	164.000	120.00	68.000
39	12:43:59	2.483	236.000	120.00	72.000
40	12:46:59	2.533	291.000	120.00	55.000
41	12:49:59	2.583	343.000	120.00	52.000
42	12:52:59	2.633	380.000	120.00	37.000
43	12:55:59	2.683	409.000	120.00	29.000
44	12:58:59	2.733	426.000	120.00	17.000
45	13: 1:59	2.783	439.000	120.00	13.000
46	13: 4:59	2.833	451.000	120.00	12.000
47	13: 7:59	2.883	465.000	120.00	14.000
48	13:10:59	2.933	474.000	120.00	9.000
49	13:13:59	2.983	481.000	120.00	7.000
50	13:16:59	3.033	487.000	120.00	6.000

WESTERN TESTING CO. INC.

3849

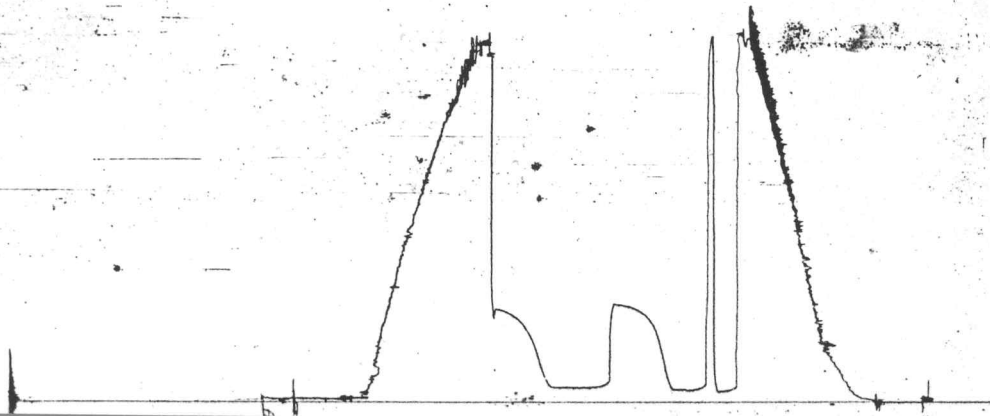
TK 11830
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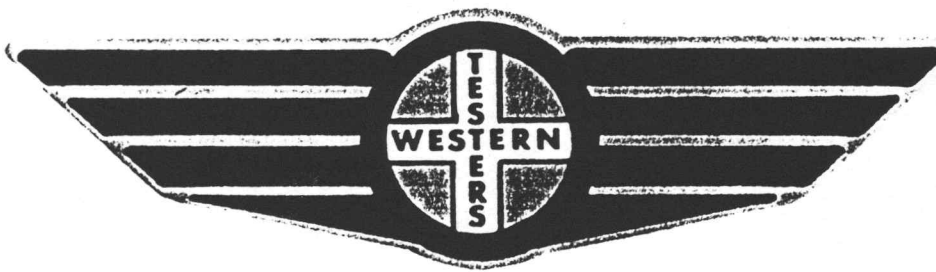
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TK4 11830

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	10-7-87	TICKET	:	11832
CUSTOMER	:	BEREXCO INC.	LEASE	:	MINES FARMS
WELL	:	#1	TEST:	:	3
ELEVATION	:	2765 KB	GEOLOGIST	:	P.S. HOUSTON
SECTION	:	14	FORMATION	:	L-KC- "J"
RANGE	:	30W	TOWNSHIP	:	2S
Gauge SN#	:	3849	STATE	:	KANSAS
		COUNTY :	DECATUR		
		RANGE :	4200		
			CLOCK	:	12

INTERVAL FROM	:	3863	TO	:	3920	TOTAL DEPTH	:	3920
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3858	SIZE	:	6.75			
PACKER DEPTH	:	3863	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	MURFIN RIG #2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	43
WEIGHT	:	9.4	WATER LOSS (CC)	:	8.0
CHLORIDES (PPM)	:	1700			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	420
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	485	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3349	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	29	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	57	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-WEAK BLOWIN WATER-1/2" DEEP-DYING
IN 40 MINUTES.

BLOW COMMENT #2 : FINAL FLOW-NO BLOW.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 60 FT OF: MUD / WITH FEW OIL SPOTS

CHLORIDES: 3000 PPM

Total Barrels Fluid = 0.28
Total Fluid Prod Rate = 5.42 BFPD
Indicated Wtr Rate = 0.54 BWPD

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

SET PACKER(S) : 4:35 PM
WELL TEMPERATURE : 120

TIME STARTED OFF BOTTOM : 6:50 PM

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 45

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 1991

(B) 48 PSI TO (C) : 48

(D) 56

(E) 47 PSI TO (F) : 47

(G) 52

(H) 1972

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BEREXCO INC.
RIG : DECATUR-KANSAS
FIELD : MINES FARMS
WELL : #1
DATE : 10-7-87
GAUGE NO : 3849

OPERATIONAL COMMENTS

COMPANY : BEREXCO INC.
WELL : #1
GAUGE # : 3849
DATE : 7/10/87

FIELD : MINES FARMS
JOB # : 11832
DEPTH : 3920
TEST :

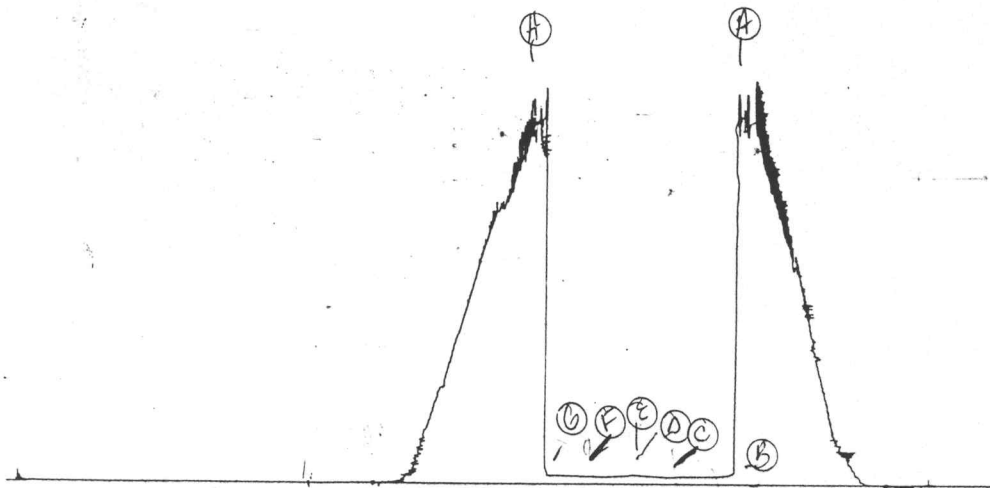
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
1	4:35: 0	0.000	48.000	120.00	0.000
2	4:39:59	0.083	48.000	120.00	0.000
3	4:45: 0	0.167	48.000	120.00	0.000
4	4:50: 0	0.250	48.000	120.00	0.000
5	4:54:59	0.333	48.000	120.00	0.000
6	5: 0: 0	0.417	48.000	120.00	0.000
7	5: 5: 0	0.500	48.000	120.00	0.000
8	5: 9:59	0.583	48.000	120.00	0.000
9	5:15: 0	0.667	48.000	120.00	0.000
10	5:20: 0	0.750	48.000	120.00	0.000
11	5:23: 0	0.800	48.000	120.00	0.000
12	5:26: 0	0.850	48.000	120.00	0.000
13	5:29: 0	0.900	48.000	120.00	0.000
14	5:32: 0	0.950	48.000	120.00	0.000
15	5:35: 0	1.000	48.000	120.00	0.000
16	5:38: 0	1.050	48.000	120.00	0.000
17	5:41: 0	1.100	50.000	120.00	2.000
18	5:44: 0	1.150	51.000	120.00	1.000
19	5:47: 0	1.200	53.000	120.00	2.000
20	5:50: 0	1.250	56.000	120.00	3.000
21	5:51: 0	1.267	47.000	120.00	-9.000
22	5:54:59	1.333	47.000	120.00	0.000
23	6: 0: 0	1.417	47.000	120.00	0.000
24	6: 5: 0	1.500	47.000	120.00	0.000
25	6: 9:59	1.583	47.000	120.00	0.000
26	6:15: 0	1.667	47.000	120.00	0.000
27	6:20: 0	1.750	47.000	120.00	0.000
28	6:23: 0	1.800	47.000	120.00	0.000
29	6:26: 0	1.850	47.000	120.00	0.000
30	6:29: 0	1.900	48.000	120.00	1.000
31	6:32: 0	1.950	48.000	120.00	0.000
32	6:35: 0	2.000	49.000	120.00	1.000
33	6:38: 0	2.050	50.000	120.00	1.000
34	6:41: 0	2.100	51.000	120.00	1.000
35	6:44: 0	2.150	52.000	120.00	1.000
36	6:47: 0	2.200	52.000	120.00	0.000
37	6:50: 0	2.250	52.000	120.00	0.000

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