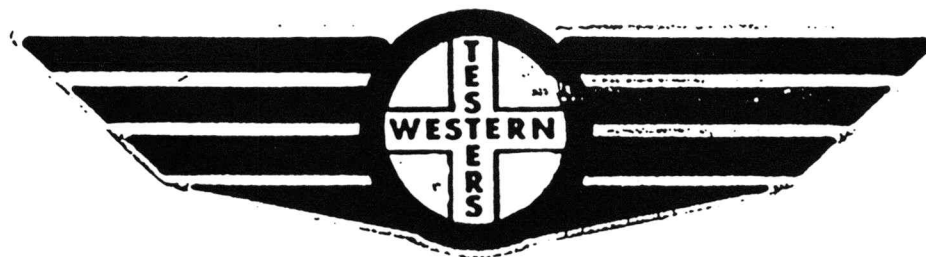


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/25/89	TICKET	:	15045
CUSTOMER	:	BRITO OIL COMPANY INC.	LEASE	:	REIGER
WELL	:	1-8	TEST:	:	3
ELEVATION	:	3200 GL	GEOLOGIST	:	BRITO
SECTION	:	8	FORMATION	:	L.KANS CITY "K"
RANGE	:	33W	TOWNSHIP	:	10S
GAUGE SN#	:	4376	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4000		12

INTERVAL FROM	:	4348	TO	:	4380	TOTAL DEPTH	:	4380
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4343	SIZE	:	6.75			
PACKER DEPTH	:	4348	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 1			
MUD TYPE	:	STARCH	VISCOSITY	:	49
WEIGHT	:	9.8	WATER LOSS (CC)	:	13.
CHLORIDES (PPM)	:	40000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	352	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3976	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	32	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW-BOTTOM OF
BLOW COMMENT #2 : BUCKET IN 5.5 MIN. AND BUILDING THRUOUT.
BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG BLOW-BOTTOM OF
BLOW COMMENT #4 : BUCKET IN 5 MIN. AND BUILDING THRUOUT TEST.

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	2:45: 0	0.000	79.000	128.00	0.000
3	2:49:59	0.083	103.000	128.00	24.000
4	2:55: 0	0.167	129.000	128.00	26.000
5	3: 0: 0	0.250	132.000	128.00	3.000
6	3: 4:59	0.333	144.000	128.00	12.000
7	3:10: 0	0.417	163.000	128.00	19.000
8	3:15: 0	0.500	174.000	128.00	11.000
INITIAL SHUT-IN PERIOD					
9	3:18: 0	0.550	821.000	128.00	647.000
10	3:21: 0	0.600	1043.000	128.00	222.000
11	3:24: 0	0.650	1105.000	128.00	62.000
12	3:27: 0	0.700	1136.000	128.00	31.000
13	3:30: 0	0.750	1156.000	128.00	20.000
14	3:33: 0	0.800	1171.000	128.00	15.000
15	3:36: 0	0.850	1188.000	128.00	17.000
16	3:39: 0	0.900	1198.000	128.00	10.000
17	3:42: 0	0.950	1210.000	128.00	12.000
18	3:45: 0	1.000	1217.000	128.00	7.000
19	3:48: 0	1.050	1221.000	128.00	4.000
20	3:51: 0	1.100	1225.000	128.00	4.000
21	3:54: 0	1.150	1230.000	128.00	5.000
22	3:57: 0	1.200	1233.000	128.00	3.000
23	4: 0: 0	1.250	1238.000	128.00	5.000
FINAL FLOW PERIOD					
24	4: 1: 0	1.267	224.000	128.00	-1014.000
25	4: 4:59	1.333	224.000	128.00	0.000
26	4:10: 0	1.417	231.000	128.00	7.000
27	4:15: 0	1.500	238.000	128.00	7.000
28	4:19:59	1.583	247.000	128.00	9.000
29	4:25: 0	1.667	260.000	128.00	13.000
30	4:30: 0	1.750	271.000	128.00	11.000
FINAL SHUT-IN PERIOD					
31	4:33: 0	1.800	901.000	128.00	630.000
32	4:36: 0	1.850	1020.000	128.00	119.000
33	4:39: 0	1.900	1073.000	128.00	53.000
34	4:42: 0	1.950	1097.000	128.00	24.000
35	4:45: 0	2.000	1113.000	128.00	16.000
36	4:48: 0	2.050	1128.000	128.00	15.000
37	4:51: 0	2.100	1139.000	128.00	11.000
38	4:54: 0	2.150	1148.000	128.00	9.000
39	4:57: 0	2.200	1157.000	128.00	9.000
40	5: 0: 0	2.250	1164.000	128.00	7.000
41	5: 3: 0	2.300	1170.000	128.00	6.000
42	5: 6: 0	2.350	1176.000	128.00	6.000
43	5: 9: 0	2.400	1181.000	128.00	5.000
44	5:12: 0	2.450	1188.000	128.00	7.000
45	5:15: 0	2.500	1191.000	128.00	3.000
46	5:18: 0	2.550	1194.000	128.00	3.000
47	5:21: 0	2.600	1198.000	128.00	4.000
48	5:24: 0	2.650	1202.000	128.00	4.000

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
49	5:27: 0	2.700	1204.000	128.00	2.000
50	5:30: 0	2.750	1206.000	128.00	2.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REIGER
WELL : 1-8
DATE : 9/25/89
GAUGE NO : 4376

OPERATIONAL COMMENTS

1690 FT GAS ABOVE FLUID
CHLORIDES 46000 PPM
GRAVITY OIL 36 API @ 60 DEGREES F

RECOVERED	:	93	FT	OF: FREE CLEAN OIL
RECOVERED	:	436	FT	OF: MUD CUT GASSY OIL-TRACE WTR
RECOVERED	:	0	FT	OF: 75% OIL;20%GAS;4%MUD;1%WATER
RECOVERED	:	63	FT	OF: MUD CUT GASSY OIL
RECOVERED	:	0	FT	OF: 63%OIL;32%GAS;5%MUD
RECOVERED	:	63	FT	OF: MUD CUT GASSY OIL-TRACE WTR
RECOVERED	:	0	FT	OF: 85%OIL;5%GAS;5%MUD;5%WATER

Total Barrels Fluid	=	5.90
Total Fluid Prod Rate	=	141.72 BFPD
Indicated Oil Rate	=	111.21 BOPD
Indicated Wtr Rate	=	1.64 BWPD
Corrected Oil Rate	=	113.57 BOPD
Corrected Wtr Rate	=	1.68 BWPD

REMARK 1 :
 REMARK 2 : 1690 FT GAS ABOVE FLUID
 REMARK 3 : CHLORIDES 46000 PPM
 REMARK 4 : GRAVITY OIL 36 API @ 60 DEGREES F

SET PACKER(S)	:	2:45 PM	TIME STARTED OFF BOTTOM	:	5:30 PM
WELL TEMPERATURE	:	128			
INITIAL HYDROSTATIC PRESSURE			(A)	2279	
INITIAL FLOW PERIOD	MIN:	30	(B)	79	PSI TO (C) : 174
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	1238	
FINAL FLOW PERIOD	MIN:	30	(E)	224	PSI TO (F) : 271
FINAL CLOSED IN PERIOD	MIN:	60	(G)	1206	
FINAL HYDROSTATIC PRESSURE			(H)	2274	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REIGER
WELL : 1-8
DATE : 9/25/89
GAUGE NO : 4376
TEST : DST-3 SHUTIN-1

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89
Comment : DST-3 SHUTIN-1
Horner T: .5 Hours

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
8	3:15: 0	0.000	174.000	128.00	0.0000	0.000
9	3:18: 0	0.050	821.000	128.00	11.0000	647.000
10	3:21: 0	0.100	1043.000	128.00	6.0000	869.000
11	3:24: 0	0.150	1105.000	128.00	4.3333	931.000
12	3:27: 0	0.200	1136.000	128.00	3.5000	962.000
13	3:30: 0	0.250	1156.000	128.00	3.0000	982.000
14	3:33: 0	0.300	1171.000	128.00	2.6667	997.000
15	3:36: 0	0.350	1188.000	128.00	2.4286	1014.000
16	3:39: 0	0.400	1198.000	128.00	2.2500	1024.000
17	3:42: 0	0.450	1210.000	128.00	2.1111	1036.000
18	3:45: 0	0.500	1217.000	128.00	2.0000	1043.000
19	3:48: 0	0.550	1221.000	128.00	1.9091	1047.000
20	3:51: 0	0.600	1225.000	128.00	1.8333	1051.000
21	3:54: 0	0.650	1230.000	128.00	1.7692	1056.000
22	3:57: 0	0.700	1233.000	128.00	1.7143	1059.000
23	4: 0: 0	0.750	1238.000	128.00	1.6667	1064.000

WESTERN TESTING CO. INC.

COMPANY: REISER OIL COMPANY INC.

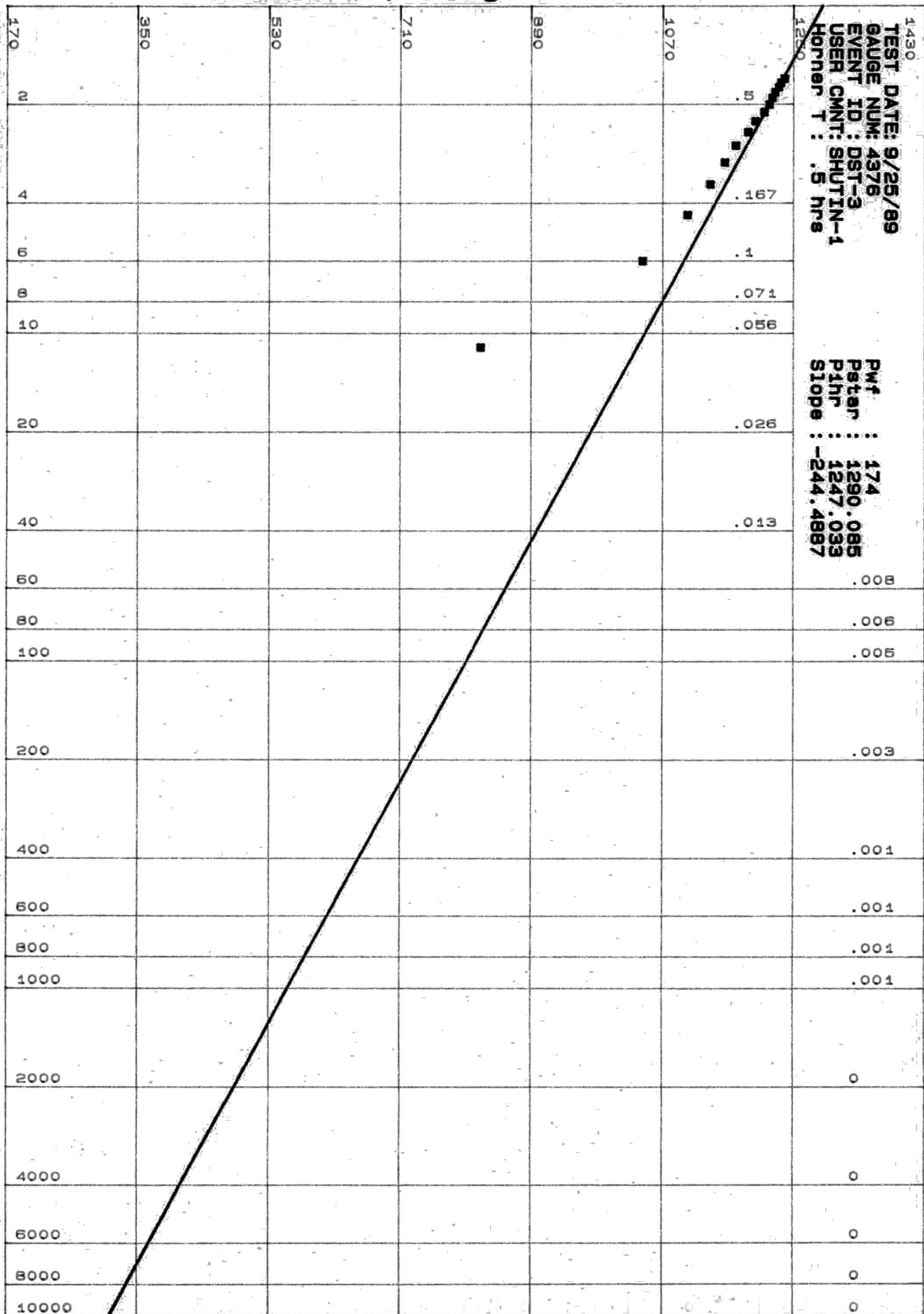
WELL LOCATION: 1-8 THOMAS-KANSAS

ENGINEER: 09-27-1989 LARRY KING

TEST DATE: 9/25/89
GAUGE NUM: 4376
EVENT ID: DST-3
USER CMNT: SHUTIN-1
Horner T: .5 hrs

Pwf : 174
Pstar : 1290.085
Plhr : 1247.033
Slope : -244.4887

Pressure . Psig



JOB NO. 18045
WESTERN TESTING CO. INC.

Horner Ratio. (T+dt)/dt

RES-TRAN

WESTERN TESTING CO. INC.
WICHITA-KANSAS

WELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. 2

COMPANY. BRITO OIL COMPANY INC.
DATE 9/25/89
FIELD. REIGER
WELL 1-8
AREA THOMAS-KANSAS
JOB NUMBER 15045
GAUGE NUMBER . . . 4376
GAUGE DEPTH. . . . 4380
ZONE TESTED. . . . 4348-4380

PHASE : OIL FUNCTION : PRESSURE

=====I=N=P=U=T===D=A=T=A===S=U=M=M=A=R=Y=====

THICKNESS.	H	3.0000E+00	Feet
POROSITY	POR	1.0000E-01	Frac
VISCOSITY.	U	3.1727E+00	Cp
FORMATION VOLUME FACTOR.	B	1.0568E+00	Rb/stb
TOTAL COMPRESSIBILITY.	Ct	9.8089E-06	Psi^-1
WELLBORE RADIUS.	Rw	5.2000E-01	Feet
DRAINAGE RADIUS.	Re	8.0000E+02	Feet
RESERVOIR TEMPERATURE.	T	1.2800E+02	Deg F
GRAVITY OF FLUID	G	3.6000E+01	
PVT EVALUATION PRESSURE.	P	1.2060E+03	Psig
PRESSURE AT SHUT-IN.	Pwf	2.7100E+02	Psig
FINAL RECORDED PRESSURE.	Ps	1.2060E+03	Psig
PRODUCTION RATE.	Q	1.1357E+02	Bbl/day
TOTAL FLOW TIME.	T	1.0000E+00	Hours

=====R=E=G=R=E=S=S=I=O=N===R=E=S=U=L=T=S=====

LEAST SQUARE RESULTS OVER THE INTERVAL :
FROM 2.25 TO 2

SLOPE OF THE LINE. 2.3620E+02 psi/cycle
FALSE PRESSURE, PSTAR. 1.2777E+03 psi
PRESSURE AT 1 HOUR 1.2066E+03 psi

=====A=N=A=L=Y=S=I=S=====R=E=S=U=L=T=S=====

TRANSMISSIBILITY.	Kh/u	8.2623E+01	md-ft/cp
FLOW CAPACITY.	Kh	2.6214E+02	md-ft
PERMEABILITY to PHASE.	K	8.7380E+01	md
DAMAGE RATIO	Dr	8.9007E-01	
RADIUS OF INVESTIGATION.	Rinv	1.7210E+02	ft
SKIN FACTOR.	S	-6.0360E-01	
AVERAGE PRESSURE	Pbar	1.2729E+03	psig
DIMENSIONLESS TIME	Tda	3.6866E-03	
MATTHEWS-BRONS-HAZEBROEK	PDmbh	4.6328E-02	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REIGER
WELL : 1-8
DATE : 9/25/89
GAUGE NO : 4376
TEST : DST-3 SHUTIN-2

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89
Comment : DST-3 SHUTIN-2
Horner T: 1 Hours

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
30	4:30: 0	0.000	271.000	128.00	0.0000	0.000
31	4:33: 0	0.050	901.000	128.00	21.0000	630.000
32	4:36: 0	0.100	1020.000	128.00	11.0000	749.000
33	4:39: 0	0.150	1073.000	128.00	7.6667	802.000
34	4:42: 0	0.200	1097.000	128.00	6.0000	826.000
35	4:45: 0	0.250	1113.000	128.00	5.0000	842.000
36	4:48: 0	0.300	1128.000	128.00	4.3333	857.000
37	4:51: 0	0.350	1139.000	128.00	3.8571	868.000
38	4:54: 0	0.400	1148.000	128.00	3.5000	877.000
39	4:57: 0	0.450	1157.000	128.00	3.2222	886.000
40	5: 0: 0	0.500	1164.000	128.00	3.0000	893.000
41	5: 3: 0	0.550	1170.000	128.00	2.8182	899.000
42	5: 6: 0	0.600	1176.000	128.00	2.6667	905.000
43	5: 9: 0	0.650	1181.000	128.00	2.5385	910.000
44	5:12: 0	0.700	1188.000	128.00	2.4286	917.000
45	5:15: 0	0.750	1191.000	128.00	2.3333	920.000
46	5:18: 0	0.800	1194.000	128.00	2.2500	923.000
47	5:21: 0	0.850	1198.000	128.00	2.1765	927.000
48	5:24: 0	0.900	1202.000	128.00	2.1111	931.000
49	5:27: 0	0.950	1204.000	128.00	2.0526	933.000
50	5:30: 0	1.000	1206.000	128.00	2.0000	935.000

WESTERN TESTING CO. INC.

COMPANY: REISER OIL COMPANY INC.

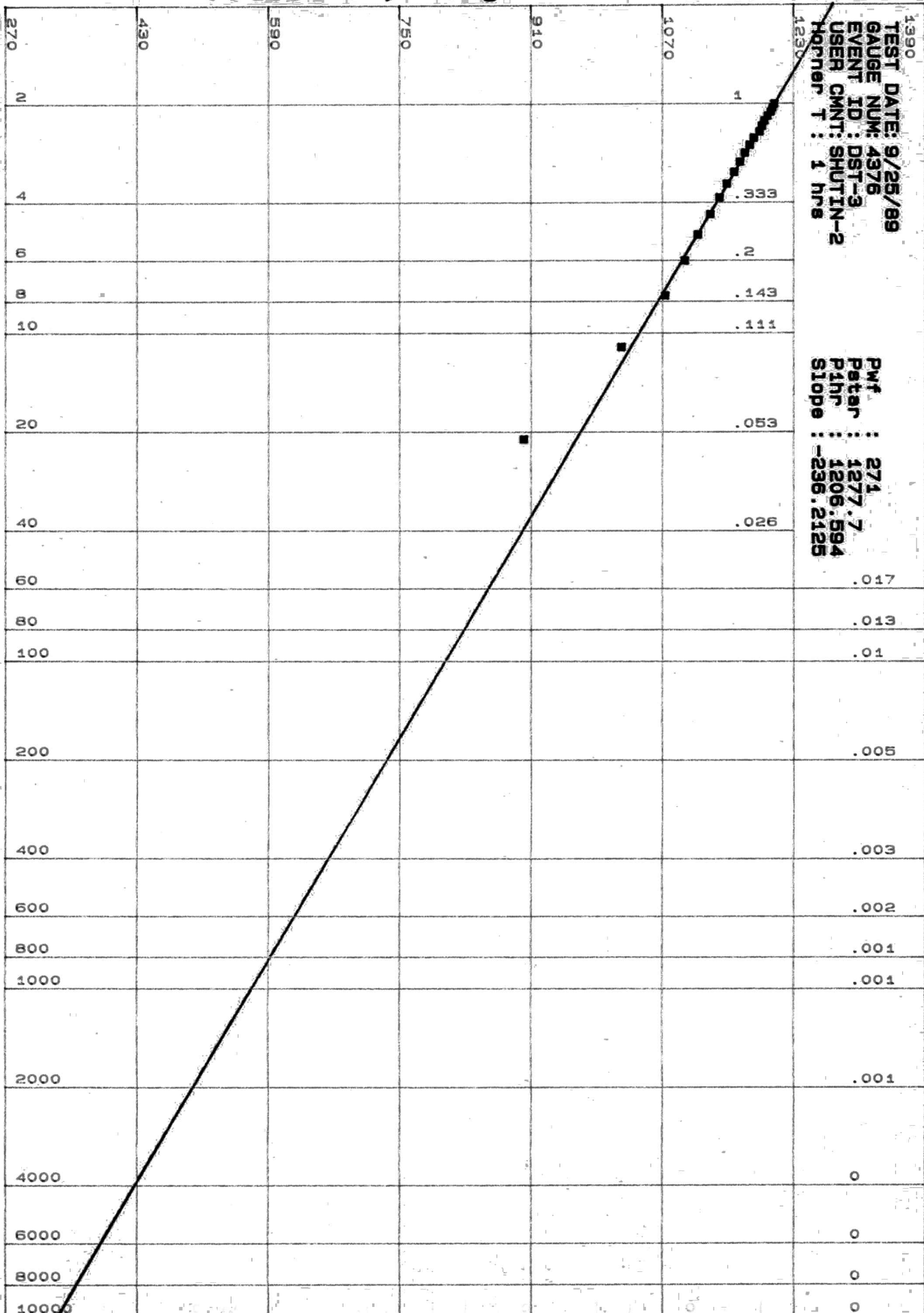
WELL # 1-8 THOMAS-KANSAS

ENGINEER: LARRY KING

TEST DATE: 9/26/89
GAUGE NUM: 4376
EVENT ID: DST-3
USER CMNT: SHUTIN-2
Hornor T: 1 hrs

PMF : 271
Pstar : 1277.7
Pthr : 1206.594
Slope : -236.2125

Pressure, Psig



JOB No. 15045
WESTERN TESTING CO. INC.

Hornor Ratio, (T+dt)/dt

RES-TRAN

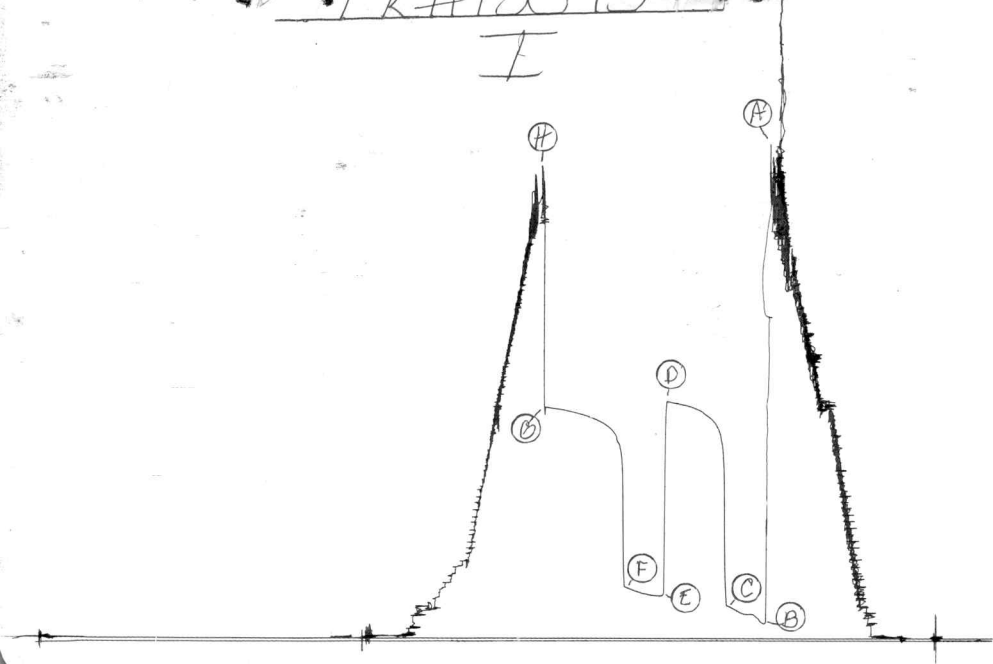
DST #3

REIGER #1-8

TK #15045

#4376

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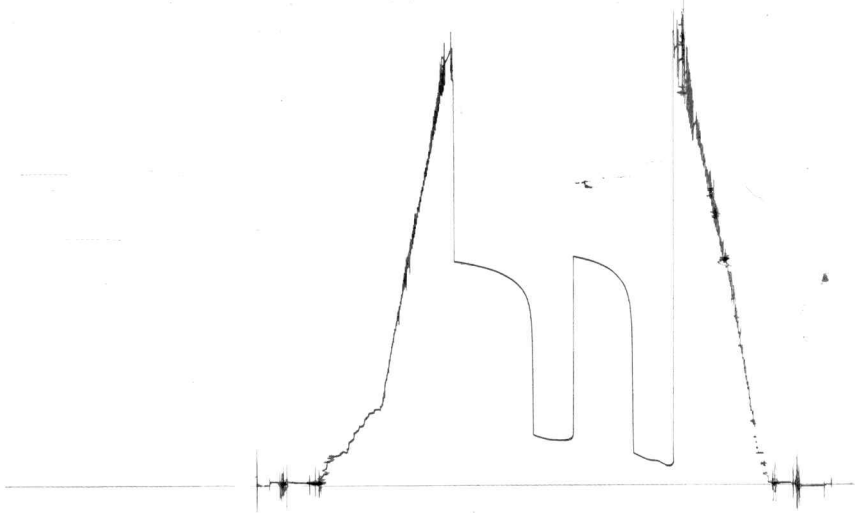
DST #3

13548

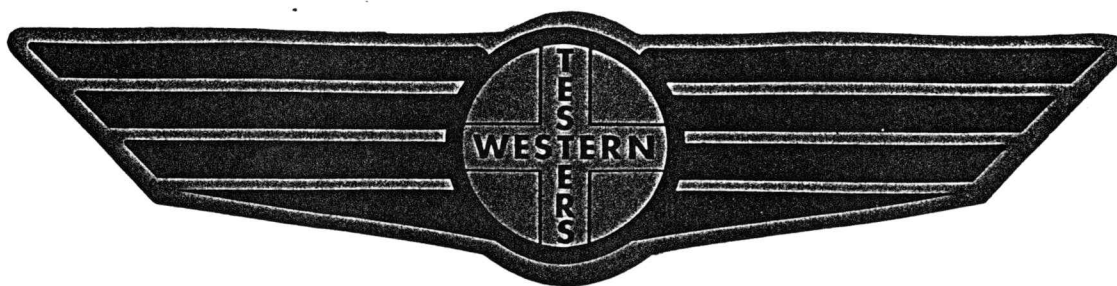
River #1-8

TX#15045

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1- 800-688- 7021

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. SWART #1-15 SEC. 15 TWP. 10S RGE. 31W TEST NO. 3 DATE 6/19/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-19-91	TICKET	:	18009
CUSTOMER	:	BRITO OIL COMPANY INC.	LEASE	:	SWART
WELL	:	1-15	TEST:	:	3
ELEVATION	:	3003 KB	GEOLOGIST	:	BRITO
SECTION	:	15	FORMATION	:	L KC L
RANGE	:	31W	COUNTY	:	THOMAS
GAUGE SN#	:	6233	RANGE	:	4000
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4286	TO	:	4320	TOTAL DEPTH	:	4320
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4281	SIZE	:	6.75			
PACKER DEPTH	:	4286	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	46
WEIGHT	:	9.0	WATER LOSS (CC)	:	10.5
CHLORIDES (PPM)	:	1500			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	247	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4019	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	34	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD WEAK BLOW - 1 1/4 INCH
BLOW COMMENT #2	:	IN WATER.
BLOW COMMENT #3	:	FINAL FLOW PERIOD FAIR TO STRONG BLOW - 10
BLOW COMMENT #4	:	INCH IN WATER.

RECOVERED : 5 FT OF: OIL
RECOVERED : 60 FT OF: OIL CUT GASSY MUD
RECOVERED : 0 FT OF: 25%OIL;10%GAS;65%MUD

Total Barrels Fluid = 0.31
Total Fluid Prod Rate = 4.89 BFPD
Indicated Oil Rate = 1.50 BOPD
Indicated Wtr Rate = 0.29 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 295 FT. OF GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 11:30 A.M. TIME STARTED OFF BOTTOM : 2:45 P.M.
WELL TEMPERATURE : 129
INITIAL HYDROSTATIC PRESSURE (A) 2117
INITIAL FLOW PERIOD MIN: 30 (B) 50 PSI TO (C) : 50
INITIAL CLOSED IN PERIOD MIN: 45 (D) 280
FINAL FLOW PERIOD MIN: 60 (E) 50 PSI TO (F) : 50
FINAL CLOSED IN PERIOD MIN: 60 (G) 292
FINAL HYDROSTATIC PRESSURE (H) 2117

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : SWART
WELL : 1-15
DATE : 6-19-91
GAUGE NO : 6233

OPERATIONAL COMMENTS

RECOVERED 295 FT. OF GAS ABOVE FLUID

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-15
GAUGE # : 6233
DATE : 19/ 6/91

FIELD : SWART
JOB # : 18009
DEPTH : 4320
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	11:30: 0	0.000	50.000	129.00	0.000
3	11:34:59	0.083	50.000	129.00	0.000
4	11:40: 0	0.167	50.000	129.00	0.000
5	11:45: 0	0.250	50.000	129.00	0.000
6	11:49:59	0.333	50.000	129.00	0.000
7	11:55: 0	0.417	50.000	129.00	0.000
8	12: 0: 0	0.500	50.000	129.00	0.000
INITIAL SHUT-IN PERIOD					
9	12: 3: 0	0.550	50.000	129.00	0.000
10	12: 6: 0	0.600	50.000	129.00	0.000
11	12: 9: 0	0.650	53.000	129.00	3.000
12	12:12: 0	0.700	62.000	129.00	9.000
13	12:15: 0	0.750	77.000	129.00	15.000
14	12:18: 0	0.800	98.000	129.00	21.000
15	12:21: 0	0.850	122.000	129.00	24.000
16	12:24: 0	0.900	148.000	129.00	26.000
17	12:27: 0	0.950	174.000	129.00	26.000
18	12:30: 0	1.000	191.000	129.00	17.000
19	12:33: 0	1.050	211.000	129.00	20.000
20	12:36: 0	1.100	227.000	129.00	16.000
21	12:39: 0	1.150	242.000	129.00	15.000
22	12:42: 0	1.200	262.000	129.00	20.000
23	12:45: 0	1.250	280.000	129.00	18.000
FINAL FLOW PERIOD					
24	12:46: 0	1.267	50.000	129.00	-230.000
25	12:49:59	1.333	50.000	129.00	0.000
26	12:55: 0	1.417	50.000	129.00	0.000
27	13: 0: 0	1.500	50.000	129.00	0.000
28	13: 4:59	1.583	50.000	129.00	0.000
29	13:10: 0	1.667	50.000	129.00	0.000
30	13:15: 0	1.750	50.000	129.00	0.000
31	13:19:59	1.833	50.000	129.00	0.000
32	13:25: 0	1.917	50.000	129.00	0.000
33	13:30: 0	2.000	50.000	129.00	0.000
34	13:34:59	2.083	50.000	129.00	0.000
35	13:40: 0	2.167	50.000	129.00	0.000
36	13:45: 0	2.250	50.000	129.00	0.000
FINAL SHUT-IN PERIOD					
37	13:48: 0	2.300	60.000	129.00	10.000
38	13:51: 0	2.350	79.000	129.00	19.000
39	13:54: 0	2.400	97.000	129.00	18.000
40	13:57: 0	2.450	107.000	129.00	10.000
41	14: 0: 0	2.500	140.000	129.00	33.000
42	14: 3: 0	2.550	158.000	129.00	18.000
43	14: 6: 0	2.600	174.000	129.00	16.000
44	14: 9: 0	2.650	189.000	129.00	15.000
45	14:12: 0	2.700	199.000	129.00	10.000
46	14:15: 0	2.750	206.000	129.00	7.000
47	14:18: 0	2.800	213.000	129.00	7.000
48	14:21: 0	2.850	219.000	129.00	6.000

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-15
GAUGE # : 6233
DATE : 19/ 6/91

FIELD : SWART
JOB # : 18009
DEPTH : 4320
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	14:24: 0	2.900	226.000	129.00	7.000
50	14:27: 0	2.950	238.000	129.00	12.000
51	14:30: 0	3.000	246.000	129.00	8.000
52	14:33: 0	3.050	254.000	129.00	8.000
53	14:36: 0	3.100	264.000	129.00	10.000
54	14:39: 0	3.150	276.000	129.00	12.000
55	14:42: 0	3.200	284.000	129.00	8.000
56	14:45: 0	3.250	292.000	129.00	8.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : SWART
WELL : 1-15
DATE : 6-19-91
GAUGE NO : 6233
TEST : DST-3 SHUTIN-2

COMPANY : BRITO OIL COMPANY INC.
 WELL : 1-15
 GAUGE # : 6233
 DATE : 19/ 6/91
 Comment : DST-3 SHUTIN-2
 Horner T: 1.5 Hours

FIELD : SWART
 JOB # : 18009
 DEPTH : 4320
 TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
36	13:45: 0	0.000	50.000	129.00	0.0000	0.000
37	13:48: 0	0.050	60.000	129.00	31.0000	10.000
38	13:51: 0	0.100	79.000	129.00	16.0000	29.000
39	13:54: 0	0.150	97.000	129.00	11.0000	47.000
40	13:57: 0	0.200	107.000	129.00	8.5000	57.000
41	14: 0: 0	0.250	140.000	129.00	7.0000	90.000
42	14: 3: 0	0.300	158.000	129.00	6.0000	108.000
43	14: 6: 0	0.350	174.000	129.00	5.2857	124.000
44	14: 9: 0	0.400	189.000	129.00	4.7500	139.000
45	14:12: 0	0.450	199.000	129.00	4.3333	149.000
46	14:15: 0	0.500	206.000	129.00	4.0000	156.000
47	14:18: 0	0.550	213.000	129.00	3.7273	163.000
48	14:21: 0	0.600	219.000	129.00	3.5000	169.000
49	14:24: 0	0.650	226.000	129.00	3.3077	176.000
50	14:27: 0	0.700	238.000	129.00	3.1429	188.000
51	14:30: 0	0.750	246.000	129.00	3.0000	196.000
52	14:33: 0	0.800	254.000	129.00	2.8750	204.000
53	14:36: 0	0.850	264.000	129.00	2.7647	214.000
54	14:39: 0	0.900	276.000	129.00	2.6667	226.000
55	14:42: 0	0.950	284.000	129.00	2.5789	234.000
56	14:45: 0	1.000	292.000	129.00	2.5000	242.000

WESTERN TESTING CO. INC.

COMPANY: BRIDG OIL COMPANY INC.

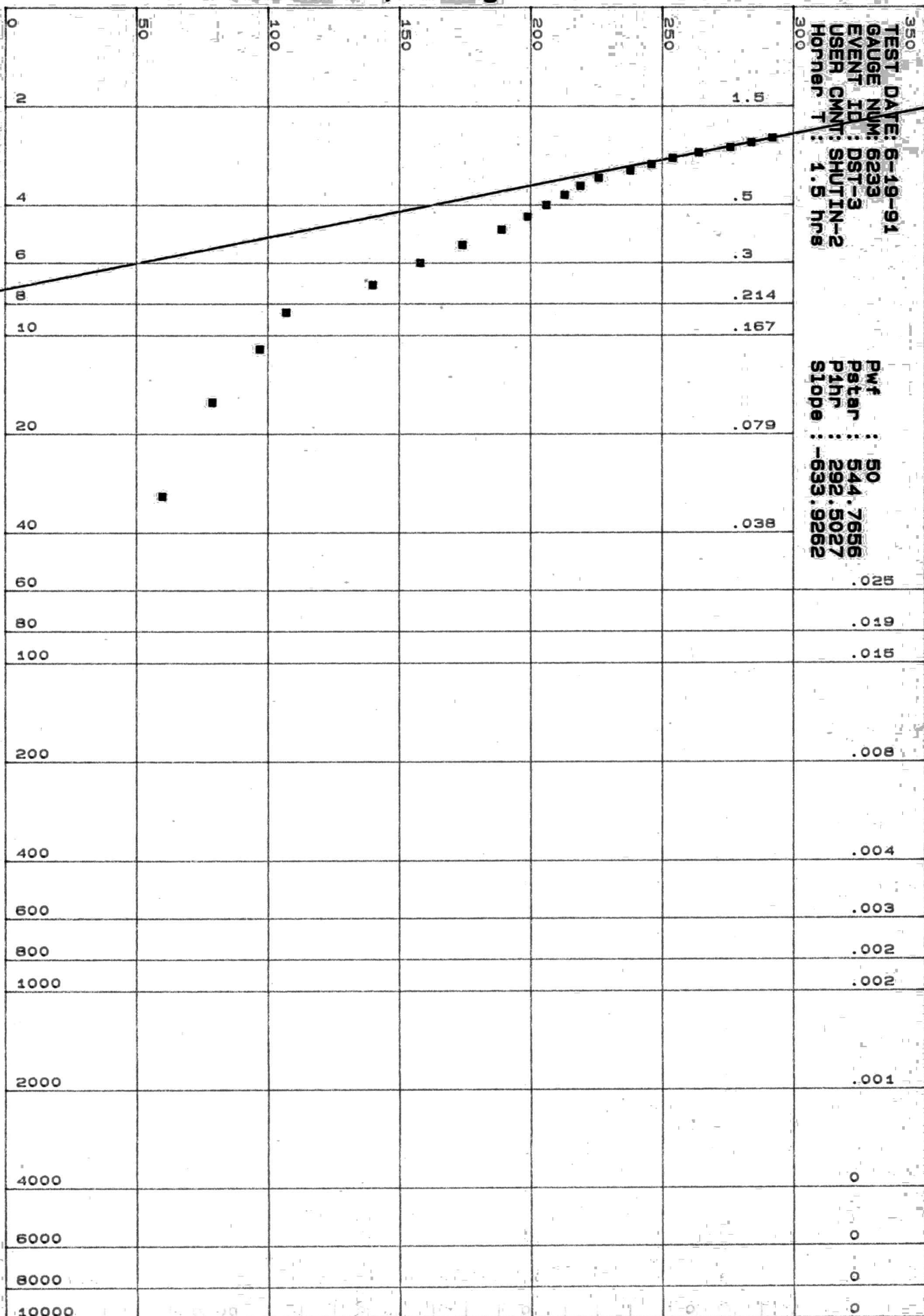
WELL # 1-15
LOCATION: THOMAS-KANSAS

PROCESSED: 06-20-1991
ENGINEER: LARRY KING

TEST DATE: 6-19-91
GAUGE NUM: 6233
EVENT ID: DST-3
USER CMNT: SHUTIN-2
Horner T: 1.5 hrs

Pwf : 50
Pstar : 544.7656
P1hr : 292.5027
Slope : -633.9262

Pressure, Psig



Job No. 18009
WESTERN TESTING CO. INC.

Horner Ratio, (T+dt)/dt

RES-TRAN

WESTERN TESTING CO. INC.
WICHITA-KANSAS

WELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. 2

COMPANY. BRITO OIL COMPANY INC.
DATE 6-19-91
FIELD. SWART
WELL 1-15
AREA THOMAS-KANSAS
JOB NUMBER . . . 18009
GAUGE NUMBER . . 6233
GAUGE DEPTH. . . 4320
ZONE TESTED. . . 4286-4320

PHASE : OIL FUNCTION : PRESSURE

=====I=N=P=U=T====D=A=T=A====S=U=M=M=A=R=Y=====

THICKNESS.	H	3.0000E+00	Feet
POROSITY	POR	8.0000E-02	Frac
VISCOSITY.	U	4.1788E+00	Cp
FORMATION VOLUME FACTOR.	B	1.0415E+00	Rb/stb
TOTAL COMPRESSIBILITY.	.Ct	1.1541E-05	Psi^-1
WELLBORE RADIUS.	.Rw	5.2000E-01	Feet
DRAINAGE RADIUS.	.Re	7.5000E+02	Feet
RESERVOIR TEMPERATURE.	T	1.2900E+02	Deg F
GRAVITY OF FLUID	G	3.5000E+01	
PVT EVALUATION PRESSURE.	P	2.9200E+02	Psig
PRESSURE AT SHUT-IN.	Pwf	5.0000E+01	Psig
FINAL RECORDED PRESSURE.	.Ps	2.9200E+02	Psig
PRODUCTION RATE.	Q	3.1000E-01	Bbl/day
TOTAL FLOW TIME.	T	1.5000E+00	Hours

=====R=E=G=R=E=S=S=I=O=N====R=E=S=U=L=T=S=====

LEAST SQUARE RESULTS OVER THE INTERVAL :
FROM 2.875 TO 2.5

SLOPE OF THE LINE.	6.3393E+02	psi/cycle
FALSE PRESSURE, PSTAR.	5.4477E+02	psi
PRESSURE AT 1 HOUR	2.9250E+02	psi

=====A=N=A=L=Y=S=I=S====R=E=S=U=L=T=S=====

TRANSMISSIBILITY.	.Kh/u	8.2816E-02	md-ft/cp
FLOW CAPACITY.	.Kh	3.4607E-01	md-ft
PERMEABILITY to PHASE.	K	1.1536E-01	md
DAMAGE RATIO	.Dr	3.9240E-01	
RADIUS OF INVESTIGATION.	.Rinv	6.8782E+00	ft
SKIN FACTOR.	S	-1.3922E+00	
AVERAGE PRESSURE	.Pbar	5.4474E+02	psig
DIMENSIONLESS TIME	.Tda	6.7002E-06	
MATTHEWS-BRONS-HAZEBROEK	PDmbh	8.4198E-05	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : SWART
WELL : 1-15
DATE : 6-19-91
GAUGE NO : 6233
TEST : DST-3 SHUTIN-1

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-15
GAUGE # : 6233
DATE : 19/ 6/91
Comment : DST-3 SHUTIN-1
Horner T: .5 Hours

FIELD : SWART
JOB # : 18009
DEPTH : 4320
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
10	12: 6: 0	0.000	50.000	129.00	0.0000	0.000
11	12: 9: 0	0.050	53.000	129.00	11.0000	3.000
12	12:12: 0	0.100	62.000	129.00	6.0000	12.000
13	12:15: 0	0.150	77.000	129.00	4.3333	27.000
14	12:18: 0	0.200	98.000	129.00	3.5000	48.000
15	12:21: 0	0.250	122.000	129.00	3.0000	72.000
16	12:24: 0	0.300	148.000	129.00	2.6667	98.000
17	12:27: 0	0.350	174.000	129.00	2.4286	124.000
18	12:30: 0	0.400	191.000	129.00	2.2500	141.000
19	12:33: 0	0.450	211.000	129.00	2.1111	161.000
20	12:36: 0	0.500	227.000	129.00	2.0000	177.000
21	12:39: 0	0.550	242.000	129.00	1.9091	192.000
22	12:42: 0	0.600	262.000	129.00	1.8333	212.000
23	12:45: 0	0.650	280.000	129.00	1.7692	230.000

WESTERN TESTING CO. INC.

COMPANY: BRITG OIL COMPANY INC.

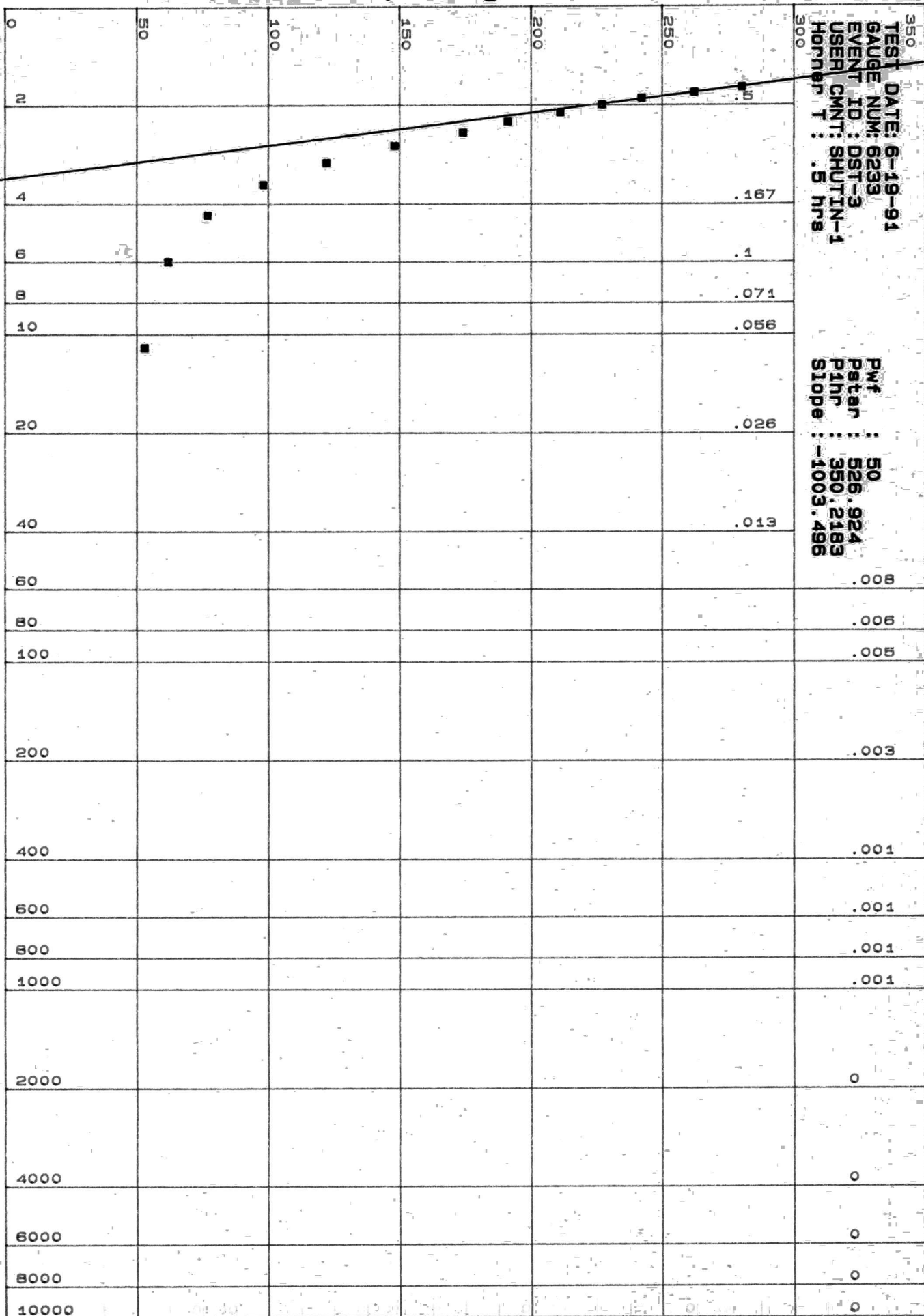
WELL # 1-15
LOCATION: THOMAS-KANSAS

ENGINEER: LARRY KING

TEST DATE: 6-19-91
GAUGE NUM: 6233
EVENT ID: DST-3
USER CMNT: SHUTIN-1
Hornor T: .5 hrs

Pwf : 50
Pstar : 526.924
P1hr : 350.2183
Slope : -1003.496

Pressure, Psig



Job No. 18009
WESTERN TESTING CO. INC.

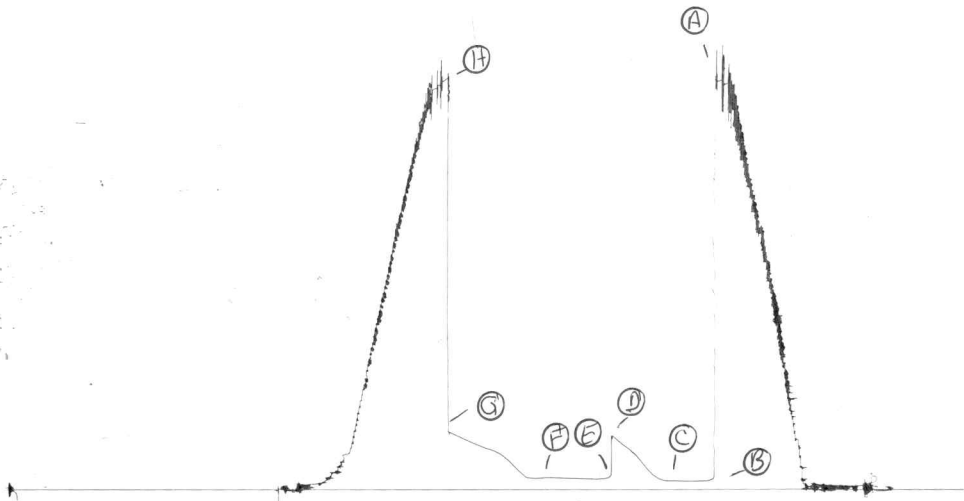
Hornor Ratio, (T+dt) / dt

RES-TRAN

6237

TKT 18009

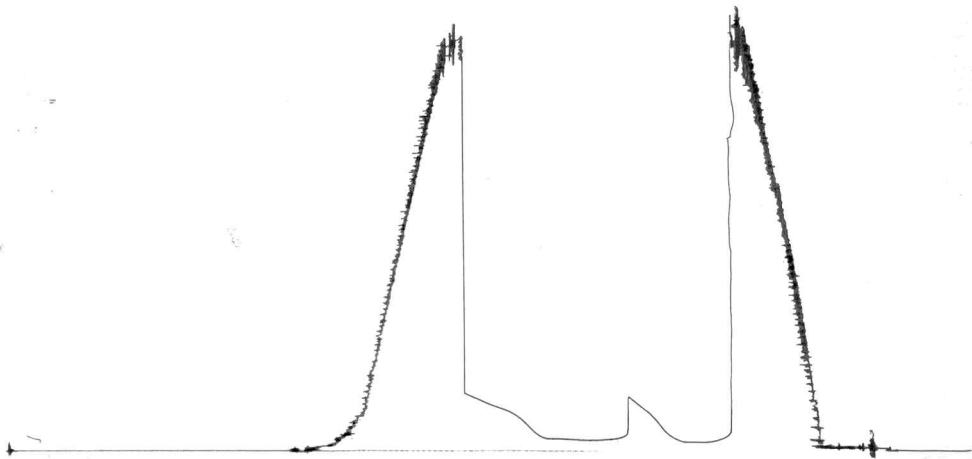
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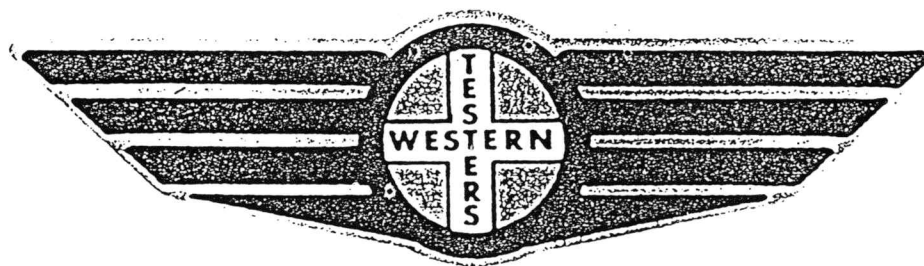
1340

TKT 18009

C



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12-3-90	TICKET	:	16716
CUSTOMER	:	BRITO OIL COMPANY INC.	LEASE	:	REGIER
WELL	:	2-8 TEST: 4	GEOLOGIST	:	BRITO
ELEVATION	:	3206 K.B.	FORMATION	:	L-K.C. K
SECTION	:	8	TOWNSHIP	:	10S
RANGE	:	33W	STATE	:	KANSAS
GAUGE SN#	:	6233	CLOCK	:	12
		COUNTY :	THOMAS		
		RANGE :	4000		

INTERVAL FROM	:	4348	TO	:	4373	TOTAL DEPTH	:	4373
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4343	SIZE	:	6.75			
PACKER DEPTH	:	4348	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	48
WEIGHT	:	8.9	WATER LOSS (CC)	:	13.6
CHLORIDES (PPM)	:	18000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	310	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4018	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	25	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD STRONG BLOW BOTTOM
BLOW COMMENT #2	:	OF BUCKET IN 19 MINUTES.
BLOW COMMENT #3	:	FINAL FLOW PERIOD 6 INCHES IN WATER.
BLOW COMMENT #4	:	

RECOVERED : 30 FT OF: OIL
RECOVERED : 0 FT OF: 40 GRAVITY CORRECTED AT 60 DEGREES
RECOVERED : 124 FT OF: GASSY MUD CUT WATERY OIL
RECOVERED : 0 FT OF: 50%OIL:15%GAS:15%WTR:20%MUD
RECOVERED : 186 FT OF: SLY OIL CUT MUDDY WTR
RECOVERED : 0 FT OF: 2%OIL:88%WTR:10%MUD
RECOVERED : 0 FT OF: CHLORIDES 36000 P.P.M.

Total Barrels Fluid = 1.88
Total Fluid Prod Rate = 30.05 BFPD
Indicated Oil Rate = 8.46 BOPD
Indicated Wtr Rate = 16.11 BWPD
Corrected Oil Rate = 29.94 BOPD
Corrected Wtr Rate = 57.01 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 60 FT. OF GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:20 P.M. TIME STARTED OFF BOTTOM : 9:35 P.M.
WELL TEMPERATURE : 124
INITIAL HYDROSTATIC PRESSURE (A) 2097
INITIAL FLOW PERIOD MIN: 30 (B) 35 PSI TO (C) : 78
INITIAL CLOSED IN PERIOD MIN: 45 (D) 758
FINAL FLOW PERIOD MIN: 60 (E) 101 PSI TO (F) : 156
FINAL CLOSED IN PERIOD MIN: 60 (G) 723
FINAL HYDROSTATIC PRESSURE (H) 2077

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-3-90
GAUGE NO : 6233

OPERATIONAL COMMENTS

RECOVERED 60 FT. OF GAS ABOVE FLUID

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 3/12/90

FIELD : REGIER
JOB # : 16716
DEPTH : 4373
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:20: 0	0.000	35.000	124.00	0.000
3	6:24:59	0.083	39.000	124.00	4.000
4	6:30: 0	0.167	45.000	124.00	6.000
5	6:35: 0	0.250	52.000	124.00	7.000
6	6:39:59	0.333	62.000	124.00	10.000
7	6:45: 0	0.417	68.000	124.00	6.000
8	6:50: 0	0.500	78.000	124.00	10.000
INITIAL SHUT-IN PERIOD					
9	6:53: 0	0.550	247.000	124.00	169.000
10	6:56: 0	0.600	493.000	124.00	246.000
11	6:59: 0	0.650	649.000	124.00	156.000
12	7: 2: 0	0.700	683.000	124.00	34.000
13	7: 5: 0	0.750	701.000	124.00	18.000
14	7: 8: 0	0.800	709.000	124.00	8.000
15	7:11: 0	0.850	719.000	124.00	10.000
16	7:14: 0	0.900	723.000	124.00	4.000
17	7:17: 0	0.950	728.000	124.00	5.000
18	7:20: 0	1.000	733.000	124.00	5.000
19	7:23: 0	1.050	740.000	124.00	7.000
20	7:26: 0	1.100	747.000	124.00	7.000
21	7:29: 0	1.150	750.000	124.00	3.000
22	7:32: 0	1.200	752.000	124.00	2.000
23	7:35: 0	1.250	758.000	124.00	6.000
FINAL FLOW PERIOD					
24	7:36: 0	1.267	101.000	124.00	-657.000
25	7:39:59	1.333	105.000	124.00	4.000
26	7:45: 0	1.417	109.000	124.00	4.000
27	7:50: 0	1.500	113.000	124.00	4.000
28	7:54:59	1.583	117.000	124.00	4.000
29	8: 0: 0	1.667	124.000	124.00	7.000
30	8: 5: 0	1.750	130.000	124.00	6.000
31	8: 9:59	1.833	136.000	124.00	6.000
32	8:15: 0	1.917	142.000	124.00	6.000
33	8:20: 0	2.000	145.000	124.00	3.000
34	8:24:59	2.083	149.000	124.00	4.000
35	8:30: 0	2.167	150.000	124.00	1.000
36	8:35: 0	2.250	156.000	124.00	6.000
FINAL SHUT-IN PERIOD					
37	8:38: 0	2.300	203.000	124.00	47.000
38	8:41: 0	2.350	502.000	124.00	299.000
39	8:44: 0	2.400	607.000	124.00	105.000
40	8:47: 0	2.450	629.000	124.00	22.000
41	8:50: 0	2.500	641.000	124.00	12.000
42	8:53: 0	2.550	657.000	124.00	16.000
43	8:56: 0	2.600	659.000	124.00	2.000
44	8:59: 0	2.650	667.000	124.00	8.000
45	9: 2: 0	2.700	675.000	124.00	8.000
46	9: 5: 0	2.750	685.000	124.00	10.000
47	9: 8: 0	2.800	689.000	124.00	4.000
48	9:11: 0	2.850	693.000	124.00	4.000

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 3/12/90

FIELD : REGIER
JOB # : 16716
DEPTH : 4373
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:14: 0	2.900	699.000	124.00	6.000
50	9:17: 0	2.950	703.000	124.00	4.000
51	9:20: 0	3.000	707.000	124.00	4.000
52	9:23: 0	3.050	709.000	124.00	2.000
53	9:26: 0	3.100	715.000	124.00	6.000
54	9:29: 0	3.150	717.000	124.00	2.000
55	9:32: 0	3.200	721.000	124.00	4.000
56	9:35: 0	3.250	723.000	124.00	2.000

WESTERN TESTING CO. INC.

COMPANY: PRATIO OIL COMPANY INC.

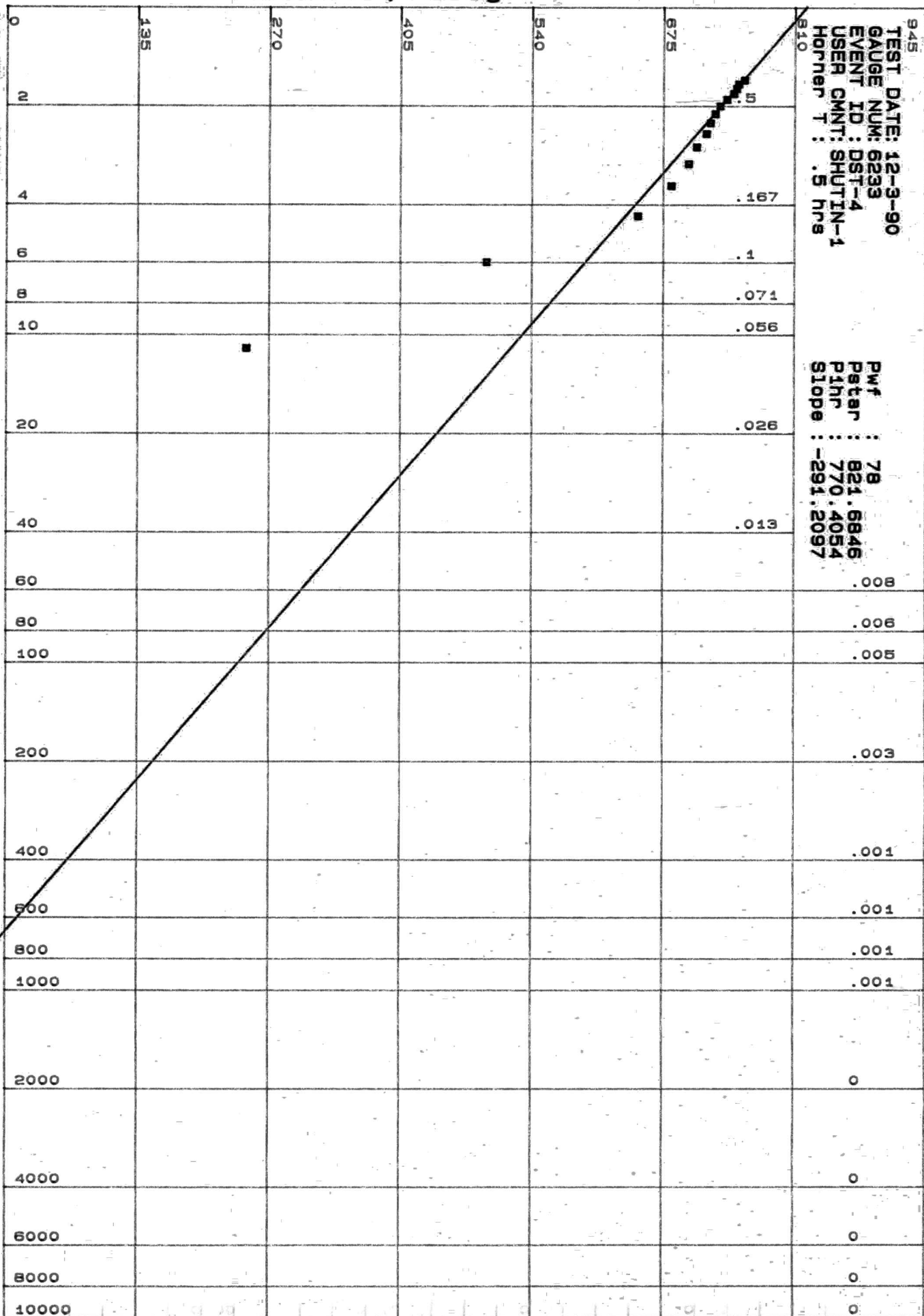
WELL # 2-8
LOCATION: THOMAS-KANSAS

PROCESSED: 12-04-1990
ENGINEER: LARRY KING

TEST DATE: 12-3-90
GAUGE NUM: 6233
EVENT ID: DST-4
USER CMNT: SHUTIN-1
Horner T: .5 hrs

Pwf : 78
Pstar : 821.6846
P1hr : 770.4054
Slope : -291.2097

Pressure, Psig



Job No. 16716
WESTERN TESTING CO. INC.

Horner Ratio. $(T+dt)/dt$

RES-TRAN

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-3-90
GAUGE NO : 6233
TEST : DST-4

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 3/12/90
Comment : DST-4
Horner T: .5 Hours

FIELD : REGIER
JOB # : 16716
DEPTH : 4373
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
8	6:50: 0	0.000	78.000	124.00	0.0000	0.000
9	6:53: 0	0.050	247.000	124.00	11.0000	169.000
10	6:56: 0	0.100	493.000	124.00	6.0000	415.000
11	6:59: 0	0.150	649.000	124.00	4.3333	571.000
12	7: 2: 0	0.200	683.000	124.00	3.5000	605.000
13	7: 5: 0	0.250	701.000	124.00	3.0000	623.000
14	7: 8: 0	0.300	709.000	124.00	2.6667	631.000
15	7:11: 0	0.350	719.000	124.00	2.4286	641.000
16	7:14: 0	0.400	723.000	124.00	2.2500	645.000
17	7:17: 0	0.450	728.000	124.00	2.1111	650.000
18	7:20: 0	0.500	733.000	124.00	2.0000	655.000
19	7:23: 0	0.550	740.000	124.00	1.9091	662.000
20	7:26: 0	0.600	747.000	124.00	1.8333	669.000
21	7:29: 0	0.650	750.000	124.00	1.7692	672.000
22	7:32: 0	0.700	752.000	124.00	1.7143	674.000
23	7:35: 0	0.750	758.000	124.00	1.6667	680.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-3-90
GAUGE NO : 6233
TEST : DST-4 SHUTIN-2

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 3/12/90
Comment : DST-4 SHUTIN-2
Horner T: 1.5 Hours

FIELD : REGIER
JOB # : 16716
DEPTH : 4373
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
36	8:35: 0	0.000	156.000	124.00	0.0000	0.000
37	8:38: 0	0.050	203.000	124.00	31.0000	47.000
38	8:41: 0	0.100	502.000	124.00	16.0000	346.000
39	8:44: 0	0.150	607.000	124.00	11.0000	451.000
40	8:47: 0	0.200	629.000	124.00	8.5000	473.000
41	8:50: 0	0.250	641.000	124.00	7.0000	485.000
42	8:53: 0	0.300	657.000	124.00	6.0000	501.000
43	8:56: 0	0.350	659.000	124.00	5.2857	503.000
44	8:59: 0	0.400	667.000	124.00	4.7500	511.000
45	9: 2: 0	0.450	675.000	124.00	4.3333	519.000
46	9: 5: 0	0.500	685.000	124.00	4.0000	529.000
47	9: 8: 0	0.550	689.000	124.00	3.7273	533.000
48	9:11: 0	0.600	693.000	124.00	3.5000	537.000
49	9:14: 0	0.650	699.000	124.00	3.3077	543.000
50	9:17: 0	0.700	703.000	124.00	3.1429	547.000
51	9:20: 0	0.750	707.000	124.00	3.0000	551.000
52	9:23: 0	0.800	709.000	124.00	2.8750	553.000
53	9:26: 0	0.850	715.000	124.00	2.7647	559.000
54	9:29: 0	0.900	717.000	124.00	2.6667	561.000
55	9:32: 0	0.950	721.000	124.00	2.5789	565.000
56	9:35: 0	1.000	723.000	124.00	2.5000	567.000

WESTERN TESTING CO. INC.

COMPANY: RATIO OIL COMPANY INC.

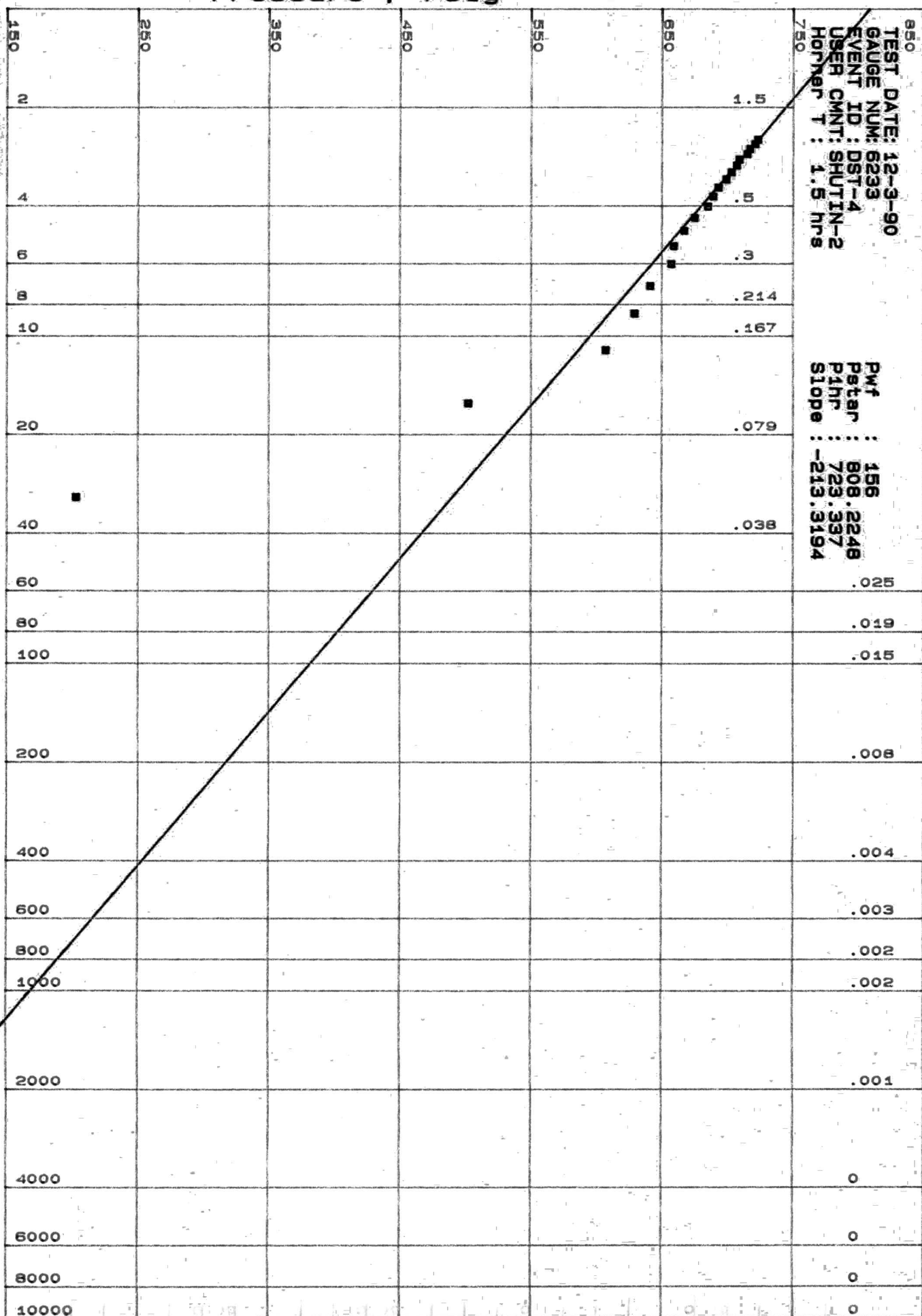
WELL # 2-8
LOCATION: THOMAS-KANSAS

PROCESSED: 12-04-1990
ENGINEER: LARRY KING

TEST DATE: 12-3-90
GAUGE NUM: 6233
EVENT ID : DST-4
USER CMNT: SHUTIN-2
Hornor T : 1.5 hrs

Pwf : 156
Pstar : 808.2248
P1hr : 723.337
Slope : -213.3194

Pressure , Psig



Job No. 16716
WESTERN TESTING CO. INC.

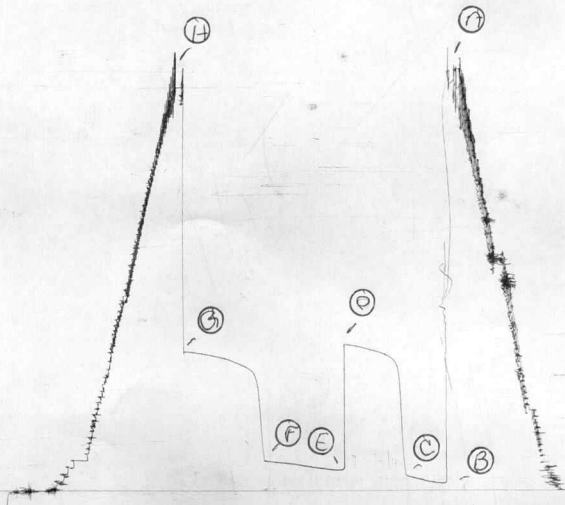
Horner Ratio, (T+dt)/dt

RES-TRAN

6233

TKT 16714

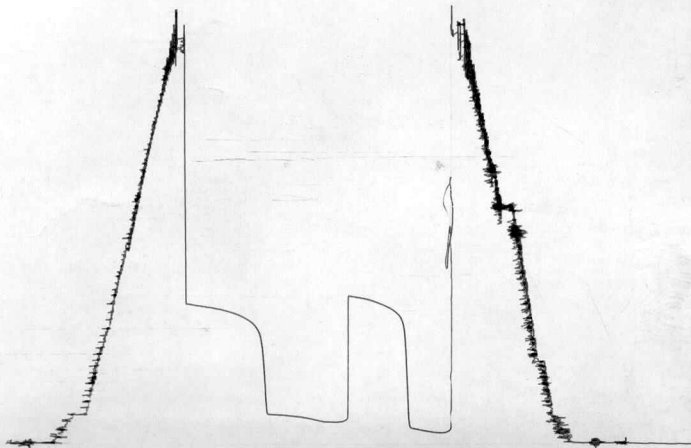
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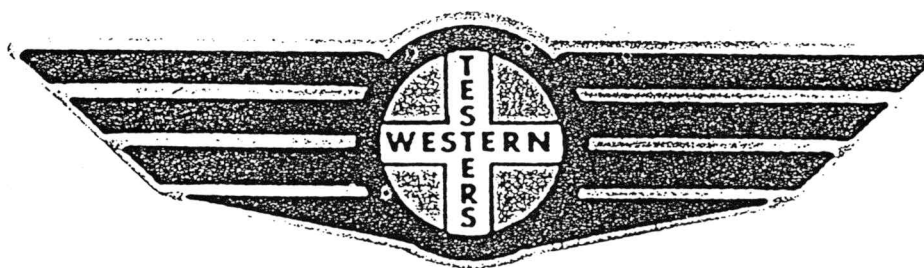
1340

TKT 16714

0



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12-4-90	TICKET	:	16717
CUSTOMER	:	BRITO OIL COMPANY INC.	LEASE	:	REGIER
WELL	:	2-8 TEST: 5	GEOLOGIST	:	BRITO
ELEVATION	:	3206 K.B.	FORMATION	:	MYRICK STATION
SECTION	:	8	TOWNSHIP	:	10S
RANGE	:	33W	STATE	:	KANSAS
GAUGE SN#	:	6233	CLOCK	:	12
		COUNTY :	THOMAS		
		RANGE :	4000		

INTERVAL FROM	:	4570	TO	:	4594	TOTAL DEPTH	:	4594
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4565	SIZE	:	6.75			
PACKER DEPTH	:	4570	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	46
WEIGHT	:	8.9	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	19000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	310	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4240	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	24	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG - BOTTOM
BLOW COMMENT #2 : OF BUCKET IN 6 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG - BOTTOM OF
BLOW COMMENT #4 : BUCKET IN 10 MINUTES.

RECOVERED	:	60	FT	OF: OIL
RECOVERED	:	0	FT	OF: 38 GRAVITY CORRECTED AT 60 DEGREES
RECOVERED	:	62	FT	OF: MUD CUT WATERY OIL
RECOVERED	:	0	FT	OF: 60%OIL;10%WTR;30%MUD
RECOVERED	:	186	FT	OF: GASSY MUD & WATERY OIL
RECOVERED	:	0	FT	OF: 30%OIL;50%GAS;5%WTR;15%MUD
RECOVERED	:	62	FT	OF: WATER
RECOVERED	:	0	FT	OF: CHLORIDES 38000 P.P.M.

Total Barrels Fluid	=	2.30
Total Fluid Prod Rate	=	36.78 BFPD
Indicated Oil Rate	=	15.21 BOPD
Indicated Wtr Rate	=	7.70 BWPD
Corrected Oil Rate	=	31.90 BOPD
Corrected Wtr Rate	=	16.16 BWPD

REMARK 1 :
 REMARK 2 : RECOVERED 180 FT. OF GAS ABOVE FLUID
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	6:50 P.M.	TIME STARTED OFF BOTTOM	:	10:05 P.M.
WELL TEMPERATURE	:	127			
INITIAL HYDROSTATIC PRESSURE			(A)	2227	
INITIAL FLOW PERIOD	MIN:	30	(B)	40	PSI TO (C) : 88
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	529	
FINAL FLOW PERIOD	MIN:	60	(E)	121	PSI TO (F) : 156
FINAL CLOSED IN PERIOD	MIN:	60	(G)	461	
FINAL HYDROSTATIC PRESSURE			(H)	2207	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-4-90
GAUGE NO : 6233

OPERATIONAL COMMENTS

RECOVERED 180 FT. OF GAS ABOVE FLUID

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 4/12/90

FIELD : REGIER
JOB # : 16717
DEPTH : 4594
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:50: 0	0.000	40.000	127.00	0.000
3	6:54:59	0.083	47.000	127.00	7.000
4	7: 0: 0	0.167	53.000	127.00	6.000
5	7: 5: 0	0.250	64.000	127.00	11.000
6	7: 9:59	0.333	74.000	127.00	10.000
7	7:15: 0	0.417	84.000	127.00	10.000
8	7:20: 0	0.500	88.000	127.00	4.000
INITIAL SHUT-IN PERIOD					
9	7:23: 0	0.550	278.000	127.00	190.000
10	7:26: 0	0.600	378.000	127.00	100.000
11	7:29: 0	0.650	420.000	127.00	42.000
12	7:32: 0	0.700	443.000	127.00	23.000
13	7:35: 0	0.750	459.000	127.00	16.000
14	7:38: 0	0.800	473.000	127.00	14.000
15	7:41: 0	0.850	483.000	127.00	10.000
16	7:44: 0	0.900	494.000	127.00	11.000
17	7:47: 0	0.950	500.000	127.00	6.000
18	7:50: 0	1.000	505.000	127.00	5.000
19	7:53: 0	1.050	509.000	127.00	4.000
20	7:56: 0	1.100	515.000	127.00	6.000
21	7:59: 0	1.150	521.000	127.00	6.000
22	8: 2: 0	1.200	526.000	127.00	5.000
23	8: 5: 0	1.250	529.000	127.00	3.000
FINAL FLOW PERIOD					
24	8: 6: 0	1.267	121.000	127.00	-408.000
25	8: 9:59	1.333	124.000	127.00	3.000
26	8:15: 0	1.417	125.000	127.00	1.000
27	8:20: 0	1.500	131.000	127.00	6.000
28	8:24:59	1.583	134.000	127.00	3.000
29	8:30: 0	1.667	142.000	127.00	8.000
30	8:35: 0	1.750	143.000	127.00	1.000
31	8:39:59	1.833	147.000	127.00	4.000
32	8:45: 0	1.917	148.000	127.00	1.000
33	8:50: 0	2.000	150.000	127.00	2.000
34	8:54:59	2.083	152.000	127.00	2.000
35	9: 0: 0	2.167	154.000	127.00	2.000
36	9: 5: 0	2.250	156.000	127.00	2.000
FINAL SHUT-IN PERIOD					
37	9: 8: 0	2.300	276.000	127.00	120.000
38	9:11: 0	2.350	337.000	127.00	61.000
39	9:14: 0	2.400	365.000	127.00	28.000
40	9:17: 0	2.450	384.000	127.00	19.000
41	9:20: 0	2.500	394.000	127.00	10.000
42	9:23: 0	2.550	403.000	127.00	9.000
43	9:26: 0	2.600	410.000	127.00	7.000
44	9:29: 0	2.650	418.000	127.00	8.000
45	9:32: 0	2.700	423.000	127.00	5.000
46	9:35: 0	2.750	428.000	127.00	5.000
47	9:38: 0	2.800	435.000	127.00	7.000
48	9:41: 0	2.850	436.000	127.00	1.000

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 4/12/90

FIELD : REGIER
JOB # : 16717
DEPTH : 4594
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:44: 0	2.900	445.000	127.00	9.000
50	9:47: 0	2.950	447.000	127.00	2.000
51	9:50: 0	3.000	449.000	127.00	2.000
52	9:53: 0	3.050	452.000	127.00	3.000
53	9:56: 0	3.100	455.000	127.00	3.000
54	9:59: 0	3.150	457.000	127.00	2.000
55	10: 2: 0	3.200	459.000	127.00	2.000
56	10: 5: 0	3.250	461.000	127.00	2.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-4-90
GAUGE NO : 6233
TEST : DST-5 SHUTIN-1

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 4/12/90
Comment : DST-5 SHUTIN-1
Horner T: .5 Hours

FIELD : REGIER
JOB # : 16717
DEPTH : 4594
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
8	7:20: 0	0.000	88.000	127.00	0.0000	0.000
9	7:23: 0	0.050	278.000	127.00	11.0000	190.000
10	7:26: 0	0.100	378.000	127.00	6.0000	290.000
11	7:29: 0	0.150	420.000	127.00	4.3333	332.000
12	7:32: 0	0.200	443.000	127.00	3.5000	355.000
13	7:35: 0	0.250	459.000	127.00	3.0000	371.000
14	7:38: 0	0.300	473.000	127.00	2.6667	385.000
15	7:41: 0	0.350	483.000	127.00	2.4286	395.000
16	7:44: 0	0.400	494.000	127.00	2.2500	406.000
17	7:47: 0	0.450	500.000	127.00	2.1111	412.000
18	7:50: 0	0.500	505.000	127.00	2.0000	417.000
19	7:53: 0	0.550	509.000	127.00	1.9091	421.000
20	7:56: 0	0.600	515.000	127.00	1.8333	427.000
21	7:59: 0	0.650	521.000	127.00	1.7692	433.000
22	8: 2: 0	0.700	526.000	127.00	1.7143	438.000
23	8: 5: 0	0.750	529.000	127.00	1.6667	441.000

WESTERN TESTING CO. INC.

COMPANY: BEETO OIL COMPANY INC.

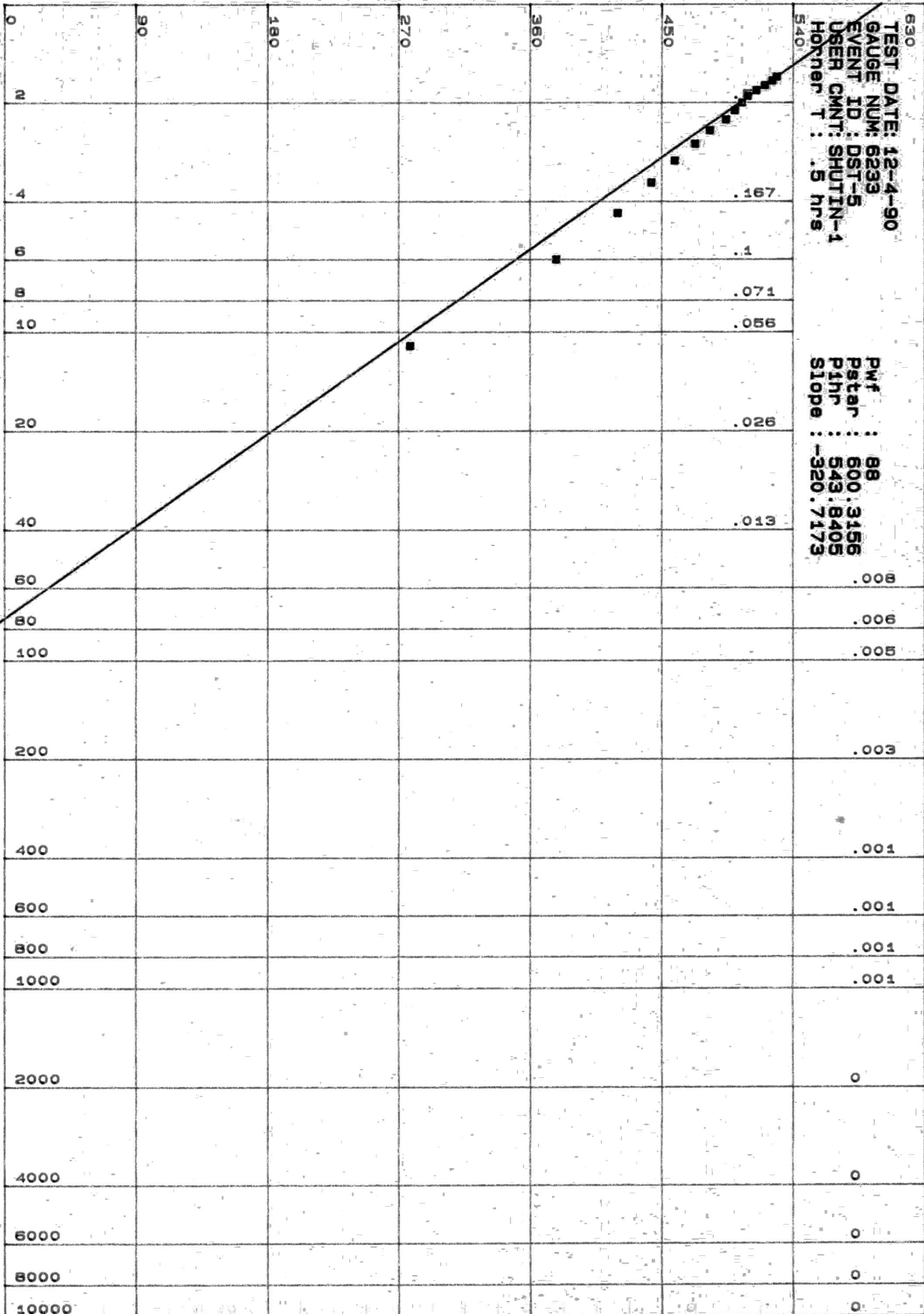
LOCATION: #2-8 THOMAS-KANSAS

ENGINEER: 12-05-1990 LARRY KING

TEST DATE: 12-4-90
GAUGE NUM: 6233
EVENT ID: DST-5
USER CMNT: SHUTIN-1
Horner T: .5 hrs

Pwf : 88
Pstar : 600.3156
Plhr : 543.8405
Slope : -320.7173

Pressure, Psig



JOB NO: 16717
WESTERN TESTING CO. INC.

HORNER RATIO. (T+dt) / dt

RES-TRAN

WESTERN TESTING CO. INC.
WICHITA-KANSAS

WELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. 2

COMPANY. BRITO OIL COMPANY INC.
DATE 12-3-90
FIELD. REGIER
WELL 2-8
AREA THOMAS-KANSAS
JOB NUMBER 16716
GAUGE NUMBER . . . 6233
GAUGE DEPTH. . . . 4373
ZONE TESTED. . . . 4348-4373

PHASE : OIL FUNCTION : PRESSURE

=====I=N=P=U=T====D=A=T=A====S=U=M=M=A=R=Y=====

THICKNESS.	H	6.0000E+00	Feet
POROSITY	POR	1.6000E-01	Frac
VISCOSITY.	U	2.7317E+00	Cp
FORMATION VOLUME FACTOR.	B	1.0490E+00	Rb/stb
TOTAL COMPRESSIBILITY.	Ct	9.2051E-06	Psi ⁻¹
WELLBORE RADIUS.	Rw	5.2000E-01	Feet
DRAINAGE RADIUS.	Re	8.0000E+02	Feet
RESERVOIR TEMPERATURE.	T	1.2400E+02	Deg F
GRAVITY OF FLUID	G	4.0000E+01	
PVT EVALUATION PRESSURE.	P	7.2300E+02	Psig
PRESSURE AT SHUT-IN.	Pwf	1.5600E+02	Psig
FINAL RECORDED PRESSURE.	Ps	7.2300E+02	Psig
PRODUCTION RATE.	Q	1.8800E+00	Bbl/day
TOTAL FLOW TIME.	T	1.5000E+00	Hours

=====R=E=G=R=E=S=S=I=O=N====R=E=S=U=L=T=S=====

LEAST SQUARE RESULTS OVER THE INTERVAL :
FROM 3 TO 2.5

SLOPE OF THE LINE. 2.1332E+02 psi/cycle
FALSE PRESSURE, PSTAR. 8.0823E+02 psi
PRESSURE AT 1 HOUR 7.2334E+02 psi

=====A=N=A=L=Y=S=I=S====R=E=S=U=L=T=S=====

TRANSMISSIBILITY.	Kh/u	1.5032E+00	md-ft/cp
FLOW CAPACITY.	Kh	4.1063E+00	md-ft
PERMEABILITY to PHASE.	K	6.8438E-01	md
DAMAGE RATIO	Dr	1.1139E+00	
RADIUS OF INVESTIGATION.	Rinv	1.6406E+01	ft
SKIN FACTOR.	S	3.6004E-01	
AVERAGE PRESSURE	Pbar	8.0819E+02	psig
DIMENSIONLESS TIME	Tda	3.3502E-05	
MATTHEWS-BRONS-HAZEBROEK	PDmbh	4.2100E-04	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRITO OIL COMPANY INC.
RIG : THOMAS-KANSAS
FIELD : REGIER
WELL : 2-8
DATE : 12-4-90
GAUGE NO : 6233
TEST : DST-5 SHUTIN-2

COMPANY : BRITO OIL COMPANY INC.
WELL : 2-8
GAUGE # : 6233
DATE : 4/12/90
Comment : DST-5 SHUTIN-2
Horner T: 1.5 Hours

FIELD : REGIER
JOB # : 16717
DEPTH : 4594
TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
36	9: 5: 0	0.000	156.000	127.00	0.0000	0.000
37	9: 8: 0	0.050	276.000	127.00	31.0000	120.000
38	9:11: 0	0.100	337.000	127.00	16.0000	181.000
39	9:14: 0	0.150	365.000	127.00	11.0000	209.000
40	9:17: 0	0.200	384.000	127.00	8.5000	228.000
41	9:20: 0	0.250	394.000	127.00	7.0000	238.000
42	9:23: 0	0.300	403.000	127.00	6.0000	247.000
43	9:26: 0	0.350	410.000	127.00	5.2857	254.000
44	9:29: 0	0.400	418.000	127.00	4.7500	262.000
45	9:32: 0	0.450	423.000	127.00	4.3333	267.000
46	9:35: 0	0.500	428.000	127.00	4.0000	272.000
47	9:38: 0	0.550	435.000	127.00	3.7273	279.000
48	9:41: 0	0.600	436.000	127.00	3.5000	280.000
49	9:44: 0	0.650	445.000	127.00	3.3077	289.000
50	9:47: 0	0.700	447.000	127.00	3.1429	291.000
51	9:50: 0	0.750	449.000	127.00	3.0000	293.000
52	9:53: 0	0.800	452.000	127.00	2.8750	296.000
53	9:56: 0	0.850	455.000	127.00	2.7647	299.000
54	9:59: 0	0.900	457.000	127.00	2.6667	301.000
55	10: 2: 0	0.950	459.000	127.00	2.5789	303.000
56	10: 5: 0	1.000	461.000	127.00	2.5000	305.000

WESTERN TESTING CO. INC.

COMPANY: BRATTON OIL COMPANY INC.

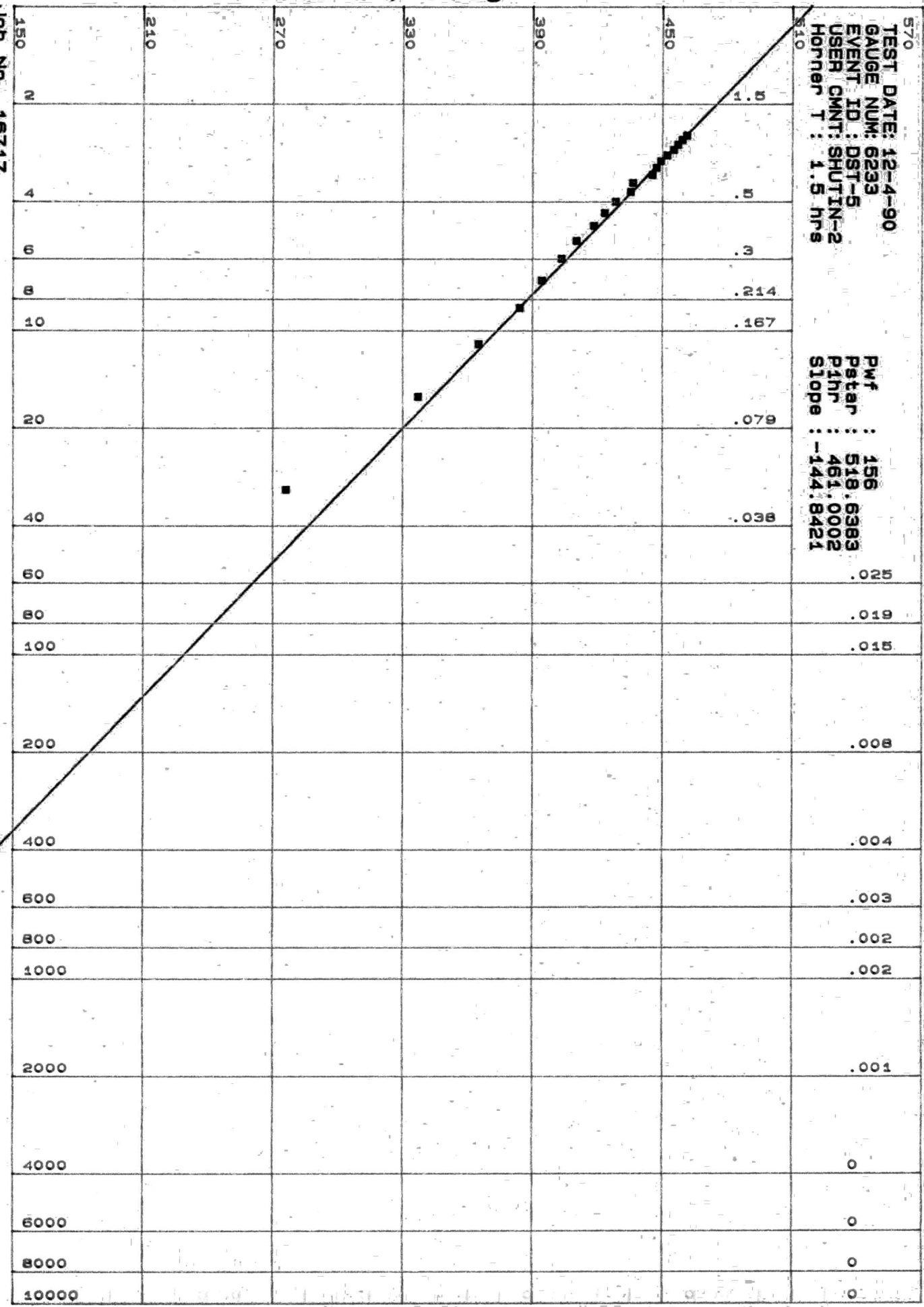
WELL LOCATION: #2 THOMAS-KANSAS

PROCESSED: 12-09-1990
ENGINEER: LARRY KING

TEST DATE: 12-4-90
GAUGE NUM: 6233
EVENT ID: DST-5
USER CMNT: SHUTIN-2
Horner T: 1.5 hrs

Pwf : 156
Pstar : 518.6383
P1hr : 461.0002
Slope : -144.8421

Pressure, Psig



Job No. 16717
WESTERN TESTING CO. INC.

Horner Ratio, (T+dt)/dt

RES-TRAN

15-193-20537

8-10-33W

WESTERN TESTING CO. INC.
WICHITA-KANSASWELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. —

COMPANY BRITO OIL COMPANY INC.
 DATE 12-4-90
 FIELD REGIER
 WELL 2-8
 AREA THOMAS-KANSAS
 JOB NUMBER 16717
 GAUGE NUMBER . . . 6233
 GAUGE DEPTH 4594
 ZONE TESTED 4570-4594

PHASE : OIL FUNCTION : PRESSURE

=====I=N=P=U=T====D=A=T=A====S=U=M=M=A=R=Y=====

THICKNESS	H	6.0000E+00	Feet
POROSITY	POR	1.1000E-01	Frac
VISCOSITY	U.	3.9426E+00	Cp
FORMATION VOLUME FACTOR	B	1.0420E+00	Rb/stb
TOTAL COMPRESSIBILITY	Ct	1.1507E-05	Psi ⁻¹
WELLBORE RADIUS	Rw	5.2000E-01	Feet
DRAINAGE RADIUS	Re	8.0000E+02	Feet
RESERVOIR TEMPERATURE	T	1.2700E+02	Deq F
GRAVITY OF FLUID	G	3.6000E+01	
PVT EVALUATION PRESSURE	P	4.6100E+02	Psia
PRESSURE AT SHUT-IN	Pwf	1.5600E+02	Psia
FINAL RECORDED PRESSURE	Ps	4.6100E+02	Psia
PRODUCTION RATE	Q	2.3000E+00	Bbl/day
TOTAL FLOW TIME	T	1.5000E+00	Hours

=====R=E=G=R=E=S=S=I=O=N====R=E=S=U=L=T=S=====

LEAST SQUARE RESULTS OVER THE INTERVAL :

FROM 3.1429 TO 2.5

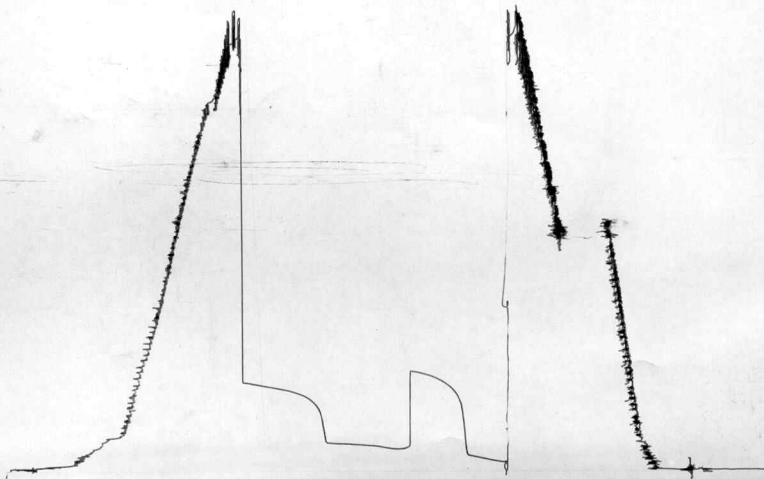
SLOPE OF THE LINE 1.4484E+02 psi/cycle
 FALSE PRESSURE, PSTAR 5.1864E+02 psi
 PRESSURE AT 1 HOUR 4.6100E+02 psi

=====A=N=A=L=Y=S=I=S====R=E=S=U=L=T=S=====

TRANSMISSIBILITY	Kh/u	2.6905E+00	md-ft/cp
FLOW CAPACITY	Kh	1.0608E+01	md-ft
PERMEABILITY to PHASE	K	1.7679E+00	md
DAMAGE RATIO	Dr	8.1736E-01	
RADIUS OF INVESTIGATION	Rinv	2.3676E+01	ft
SKIN FACTOR	S	-6.4441E-01	
AVERAGE PRESSURE	Pbar	5.1858E+02	psia
DIMENSIONLESS TIME	Tda	6.9776E-05	
MATTHEWS-BRONS-HAZEBROEK . .	PDmbh	8.7683E-04	

13400

TKT 16717



6233

TKT 16717

I

