

Lease Name

Well No.

Test No.

3249 - 3272

VINCENT OIL CORPORATION

Lease Owner/Company Name

083663

WINFIELD

Ticket Number

Camp

9-23-81

Date

6705 6704

Gauge Number(s)

24



TICKET NO. 083663 DATE 9-23-81 HALLIBURTON CAMP WINFIELD
 LEASE OWNER VINCENT OIL CORPORATION DR /sm ic
 LEASE NAME FROESE WELL NO. 1 TEST NO. 1
 LEGAL LOCATION 32-22S 3W C NW SW FORMATION TESTED MISSISSIPPI
 FIELD AREA WILDCAT COUNTY HARVEY STATE KANSAS
 TYPE OF D.S.T. OPEN HOLE
 TESTER(S) BOB TERNES
 WITNESS C. SCHMALY DRILLING CONTRACTOR RED TIGER DRILLING
 DEPTHS MEASURED FROM ROTARY KELLY CASING PERFS (FT.) BUSHING
 TYPE AND SIZE OF GAS MEASURING DEVICE MERLA

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____
 TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

10 FEET OF MUD

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
	@ °F			@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS: CHARTS INDICATE PARTIAL PLUGGING OF ANCHOR PERFORATIONS
 DURING INITIAL FLOW PERIOD AND EARLY PART OF FINAL FLOW PERIOD.

TICKET NO. 083663 DATE 9-23-81 ELEVATION (FT.) 1458' RKB
 TOP OF TESTED INTERVAL (ft.) 3249' BOTTOM OF TESTED INTERVAL (ft.) 3272'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) _____
 HOLE OR CASING SIZE (in.) 7.875" MUD WEIGHT (lb./gal.) 9.6 VISCOSITY (sec.) _____
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE _____

ACTUAL _____

DEPTH (ft.) _____

H.T.-500 ☐; THERMOMETER ☐;
 T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY _____ DATA APPROVED BY _____

R E C O R D E R S	GAUGE NUMBER	6705	6704			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED <u>1435</u>	
	GAUGE DEPTH (ft.)	3235	3268			DATE <u>9-23-81</u>	
	CLOCK NUMBER	4197	2803			BYPASS OPENED <u>1835</u>	
	CLOCK RANGE (HR.)	12	12			DATE <u>9-23-81</u>	
	INITIAL HYDROSTATIC	1615.9	1633.9			PERIOD	MINUTES
P R E S S U R E	INITIAL FLOW	38.5	184.1			XXX	XXX
	1st. FINAL FLOW	70.8	195.9			1st. FLOW	45 *
	CLOSED-IN	826.6	830.9			1st. C.I.P.	60 *
	INITIAL FLOW	59.0	219.0			XXX	XXX
	2nd. FINAL FLOW	69.2	152.7			2nd. FLOW	60 *
	CLOSED-IN	787.7	792.9			2nd. C.I.P.	75 *
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW	*See attached incremental reading sheets.				3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	1579.4	1596.9			XXX	XXX

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 083663
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1230						On location, rig came out of hole
						for test.
1315						Picked up and made up tool
1330						Tool in table
1340						Tool thru table
1450						Made up S-3 head
1455						Opened tool with gas to the surface
						in 27 minutes, flow to bottom of
						bucket in 5 seconds.
1520						Closed tool
1620		1/2"				Opened tool
1625		"	48	326		
1630		"	50	337		
1635		"	44	306		
1640		"	44	306		
1645		"	40	285		
16??		"	40	285		
1710						Caught gas sample
1720						Closed tool
1835						Opened bypass and came out of hole
						with test
1935						Tool in table

VINCENT OIL CORPORATION
Lease Owner/Company Name

083663 Page #1
Ticket Number

B.T. 6705

B.T. 6704

B.T.

Depth 3235'-12 Hr.

Depth 3268'-12 Hr.

Depth

Time (minutes)	Log $\frac{t + (t)}{(t)}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t + (t)}{(t)}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t + (t)}{(t)}$	PSIG Temp. Corr.
First Flow...			First Flow...					
0		38.5	0		184.1			
9		107.7	9		275.2			
18		114.2	18		307.0			
27		58.9	27		211.7			
36		70.8	36		199.8			
37.1		70.8	37.8		195.9			
Initial CIP...			Initial CIP...					
0		70.8	0		195.9			
4		754.3	4		750.5			
8		773.5	8		766.4			
12		778.2	12		776.8			
16		780.9	16		784.3			
20		785.9	20		790.9			
24		793.2	24		796.4			
28		797.9	28		800.4			
32		803.2	32		804.1			
36		808.0	36		808.0			
40		811.9	40		813.1			
44		815.2	44		817.6			
48		817.9	48		820.0			
52		820.0	52		823.9			
56		823.0	56		827.2			
60		825.2	60		829.7			
64		825.9	64		830.9			
65.0		826.6	65.1		830.9			
Second Flow...			Second Flow...					
0		59.0	0		219.0			
10		89.5	10		182.5			
20		79.0	20		167.0			
30		75.9	30		166.8			
40		72.7	40		159.5			
50		72.3	50		154.5			
60.5		69.2	60.8		152.7			
Second CIP...			Second CIP...					
0		69.2	0		152.7			
5		651.1	5		653.2			
10		674.6	10		674.4			
15		687.8	15		689.2			
20		702.4	20		705.7			
25		715.2	25		718.7			

Remarks:

Lease Owner/Company Name

Ticket Number

B.T. _____

Depth _____

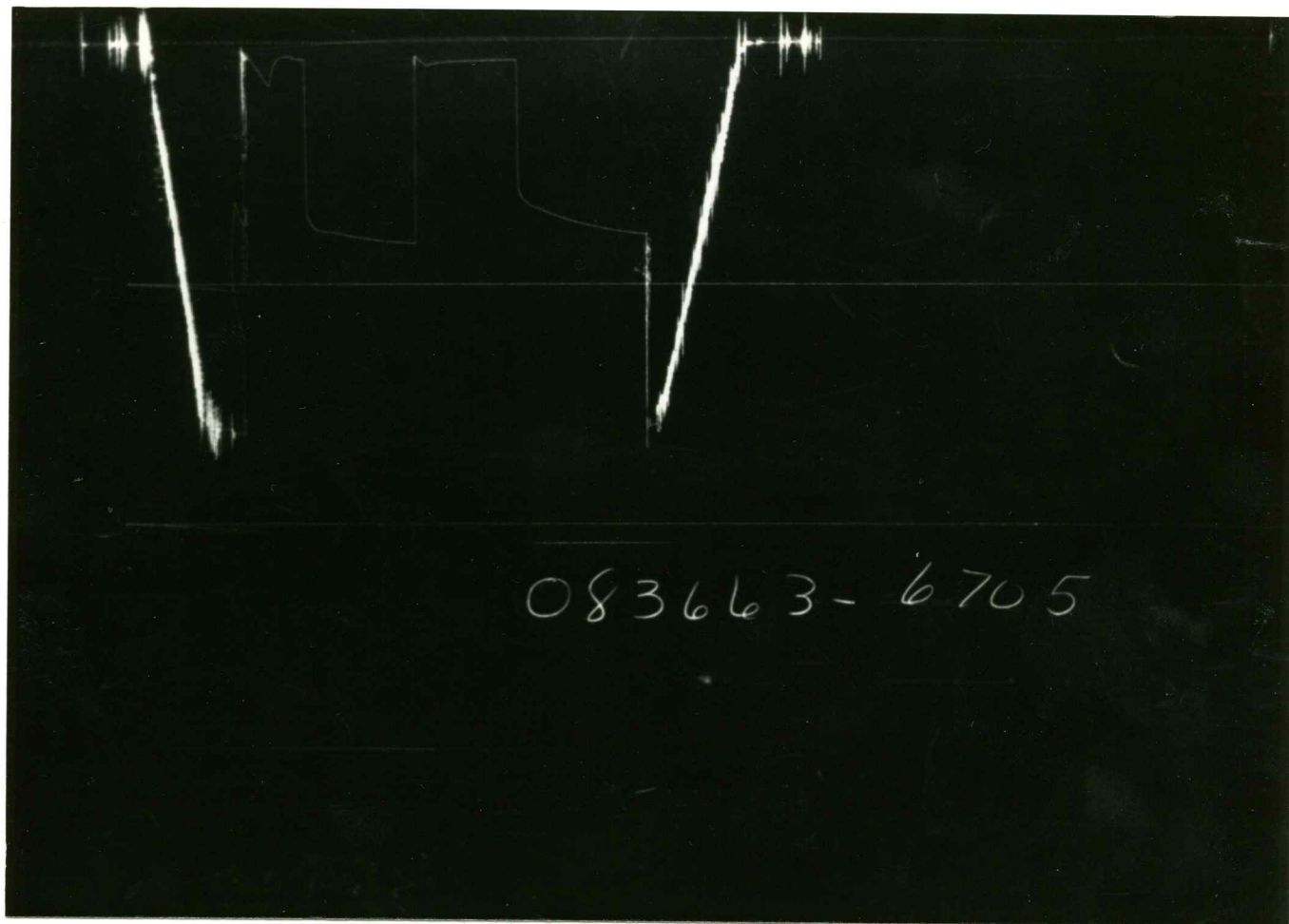
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Remarks: _____

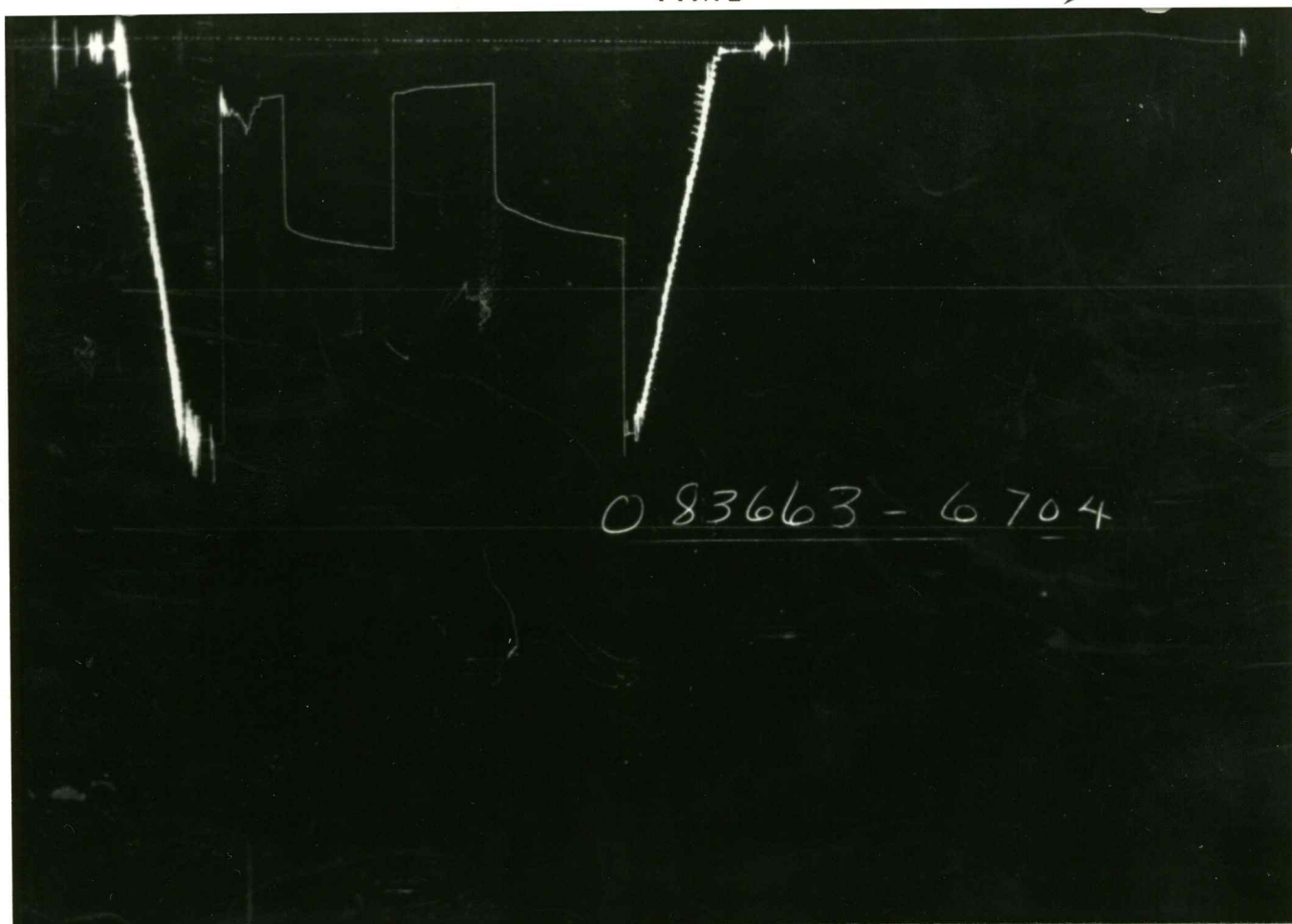
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Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.5 "	3.826"	2009'	
WEIGHT PIPE	4.5"	2.774"	1149	
REVERSING SUB	5.03"	2"	1'	
WEIGHT PIPE	4.5"	2.764"	60'	3158'
HANDLING SUB	5.87"	3"	4.66'	
DUAL CIP VALVE	5.03"	.17"	4.88'	
HYDROSPRING TESTER	5"	.75"	4.74'	3234'
RUNNING CASE AP	5"	2.25"	4.15'	3235'
TOP PACKER	6.75"	1.53"	5.81'	3243'
BOTTOM PACKER	6.75"	1.53"	5.81'	3249'
FLUSH JOINT ANCHOR	5"	2.37"	17'	
BLANKED OFF RUNNING CASE	5"	2.44"	4.75'	3268'
	TOTAL DEPTH			3272'

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

FRUESE	1	2	32/3 - 3305	VINCENT OIL CORPORATION
Lease Name	Well No.	Test No.	Tested Interval	Lease Owner/Company Name
154962		WINFIELD	9-24-81	6705 6704
Ticket Number	Camp		Date	Gauge Number(s)



10

TICKET NO. 154962 DATE 9-24-81 HALLIBURTON CAMP WINFIELD

LEASE OWNER VINCENT OIL CORPORATION BC-sm

LEASE NAME FROESE WELL NO. 1 TEST NO. 2

LEGAL LOCATION 32-22S-3W C NW SE FORMATION TESTED MISSISSIPPI

FIELD AREA WILDCAT COUNTY HARVEY STATE KANSAS

TYPE OF D.S.T. OPEN HOLE

TESTER(S) BOB TERNES

WITNESS CHUCK SCHMALY DRILLING CONTRACTOR RED TIGER DRILLING

DEPTHS MEASURED FROM ROTARY KELLY CASING PERFS (FT.) BUSHING

TYPE AND SIZE OF GAS MEASURING DEVICE _____

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):
35 FEET OF MUD

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
	@ °F			@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

TICKET NO. 154962 DATE 9-24-81 ELEVATION (FT.) 1458' RKB
 TOP OF TESTED INTERVAL (ft.) 3273' BOTTOM OF TESTED INTERVAL (ft.) 3305'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 3305'
 HOLE OR CASING SIZE (in.) 7.875" MUD WEIGHT (lb./gal.) 9.6 VISCOSITY (sec.) 50
 SURFACE CHOKE (in.) .25 BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE 100

ACTUAL _____

DEPTH (ft.) _____

H.T.-500 ☐; THERMOMETER ☐;
T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY _____ DATA APPROVED BY _____

RECORDERS	GAUGE NUMBER	6705	6704			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	0505
	GAUGE DEPTH (ft.)	3263	3301			DATE	9-24-81
	CLOCK NUMBER	4197	2803			BYPASS OPENED	0905
	CLOCK RANGE (HR.)	12	12			DATE	9-24-81
PRESSURES	INITIAL HYDROSTATIC	1637.3	1658.0			PERIOD	MINUTES
	INITIAL FLOW	190.5	212.3			XXX	XXX
	1st. FINAL FLOW	215.6	229.9			1st. FLOW	45 *
	CLOSED-IN	710.5	723.7			1st. C.I.P.	60 *
	INITIAL FLOW	267.0	315.1			XXX	XXX
	2nd. FINAL FLOW	158.5	173.1			2nd. FLOW	60 *
	CLOSED-IN	610.3	621.5			2nd. C.I.P.	75 *
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW	*See attached incremental pressure sheet				3rd. FLOW	
	CLOSED-IN	for computed minutes				3rd. C.I.P.	
	FINAL HYDROSTATIC	1604.7	1632.9			XXX	XXX

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 154962
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0300						On location, made up tools
0336						Tool thru table, started in hole
0505						Opened tool
0510						Gas to the surface
0515		1½"	44	3394		
0520		"	50	3752		
0525		"	45	3454		
0530		"	44	3394		
0535		"	44	3394		
0540		"	42	3274		
0545		"	40	3155		
0550		"	40	3155		Closed tool
0650		"				Opened tool
0655		"	44	3394		
0700		"	40	3155		
0705		"	40	3155		
0710		"	38	3036		
0715		"	38	3036		
0720		"	38	3036		
0725		"	36	2916		
0730		"	34	2798		
0735			32	2675		
0740			32	2675		
0745			32	2675		

Ticket Number

B.T. _____

Depth _____

Remarks: MFP = maximum flow pressure

Lease Owner/Company Name

Ticket Number

B.T. 6705

B.T. 6704

B.T. _____

Depth 3263 - 12 Hr.

Depth 3301 - 12 Hr.

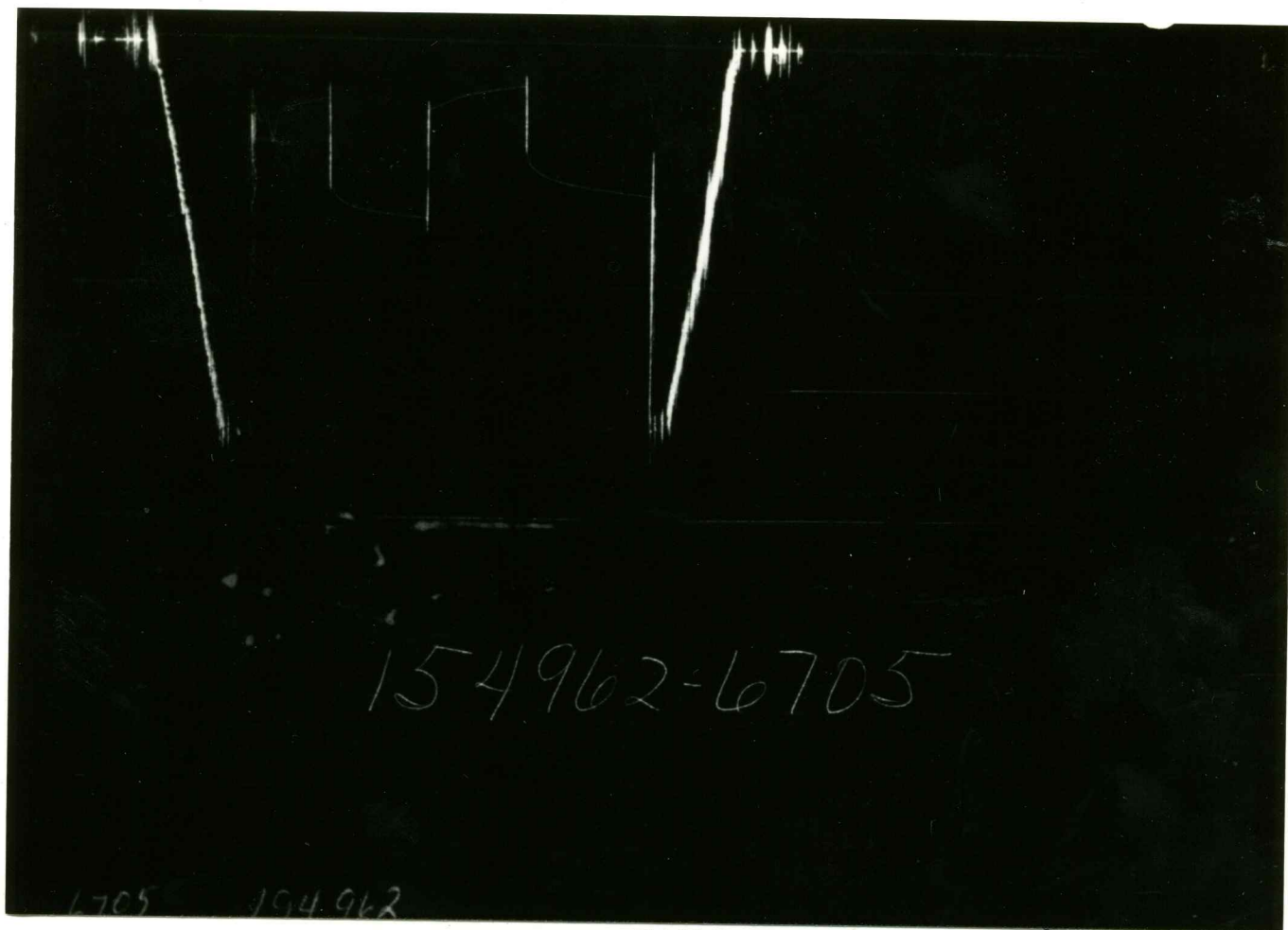
Depth _____

[illegible]

Remarks: _____

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.50"	3.826"	2001'	
WEIGHT PIPE	4.50"	2.764"	1180'	
REVERSING SUB	5.03"	2"	1'	3182'
WEIGHT PIPE	4.50"	2.764"	60'	
HANDLING SUB	5.87"	3.00"	4.66'	
DUAL CIP VALVE	5.03"	.87"	4.88'	
HYDROSPRING	5"	.75"	4.77'	3262'
RUNNING CASE	5"	2.25"	4.15'	3263'
PACKER	6.75"	1.53"	5.81'	3267'
PACKER	6.75"	1.53"	5.81'	3273'
FLUSH JOINT ANCHOR	5"	2.37"	26'	
RUNNING CASE	5"		4.75'	3301'
BLANKED OFF				
TOTAL DEPTH				3305'

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

TRUCE	1	3	3307 - 3330'	VINCENT OIL CORPORATION
Lease Name	Well No.	Test No.	Tested Interval	Lease Owner/Company Name
154963		WINFIELD	9-23-81	6705 6704
Ticket Number	Camp	Date		Gauge Number(s)



UN

TICKET NO. 154963 DATE 9-23-81 HALLIBURTON CAMP WINFIELD
LEASE OWNER VINCENT OIL CORPORATION BC-sm-pw
LEASE NAME FROESE WELL NO. 1 TEST NO. 3
LEGAL LOCATION 32-22S-3W C NW SW FORMATION TESTED MISSISSIPPI
FIELD AREA WILDCAT COUNTY HARVEY STATE KANSAS
TYPE OF D.S.T. OPEN HOLE
TESTER(S) BOB TERNES
WITNESS C. SCHAMLY DRILLING CONTRACTOR RED TIGER DRILLING COMPANY
DEPTHS MEASURED FROM R. KELLY BUSHING CASING PERFS (FT.)
TYPE AND SIZE OF GAS MEASURING DEVICE MERLA

CUSHION DATA

TYPE AMOUNT WEIGHT (lb./gal.)
TYPE AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.):

10 FEET OF MUD WITH SCUM OF OIL

180 FEET OF GAS

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
	@ °F			@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

TICKET NO. 154963 DATE 9-24-81 ELEVATION (FT.) 1458' RKB
 TOP OF TESTED INTERVAL (ft.) 3307' BOTTOM OF TESTED INTERVAL (ft.) 3330'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 3330'
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) _____ VISCOSITY (sec.) _____
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE 100

ACTUAL _____

DEPTH (ft.) _____
 H.T.-500 ☐; THERMOMETER ☐;
 T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY _____ DATA APPROVED BY _____

R E C O R D E R S	GAUGE NUMBER	6705	6704			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	1930
	GAUGE DEPTH (ft.)	3293	3326			DATE	9-24-81
	CLOCK NUMBER	4197	2803			BYPASS OPENED	2300
	CLOCK RANGE (HR.)	12	12			DATE	9-24-81
P R E S S U R E	INITIAL HYDROSTATIC	1650.9	1659.7			PERIOD	MINUTES
	INITIAL FLOW	10.2	140.7 questionable			XXX	XXX
	1st. FINAL FLOW	20.2	26.6			1st. FLOW	45 *
	CLOSED-IN	642.4	650.1			1st. C.I.P.	60 *
	INITIAL FLOW	18.9	36.3			XXX	XXX
	2nd. FINAL FLOW	26.3	34.1			2nd. FLOW	45 *
	CLOSED-IN	597.1	601.7			2nd. C.I.P.	60 *
	INITIAL FLOW	*See attached incremental pressure sheet				XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	1623.2	1640.8			XXX	XXX

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 154905
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

[illegible]

Lease Owner/Company Name

154963

Ticket Number

B.T. 6705

B.T. 6704

B.T. _____

Depth 3293'

Depth 3326'

Depth _____

[illegible]

Remarks:

0 = Questionable....

Lease Owner/Company Name

Ticket Number

B.T. 6705

B.T. 6704

B.T. _____

Depth 3293'

Depth 3326'

Depth _____

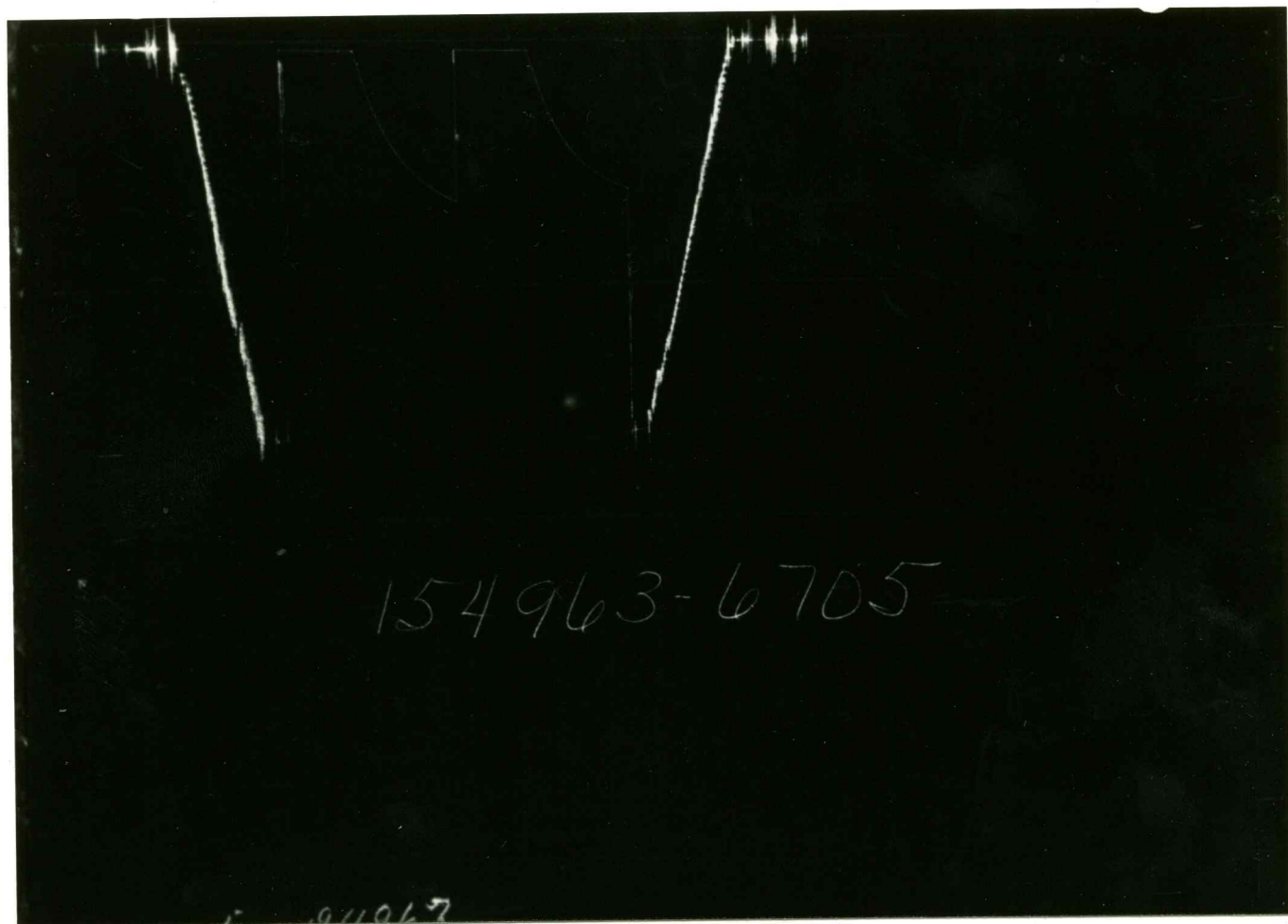
[illegible]

Remarks: _____

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Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.5"	3.826"	2009'	
WEIGHT PIPE	4.5"	2.764"	1209'	
REVERSING SUB	5.03"	2"	1'	
WEIGHT PIPE	4.5"	2.764"	60'	
HANDLING SUB	5.87"	3"	4.66'	
DUAL CIP VALVE	5.03"	.87"	4.88'	
HYDROSPRING TESTER	5"	.75"	4.74'	3292'
AP RUNNING CASE	5"	2.25"	4.15'	3293'
PACKER	6.75"	1.53"	5.81'	3301'
PACKER	6.75"	1.53"	5.81'	3307'
FLUSH JOINT ANCHOR	5"	2.37"	17'	
BLANKED OFF RUNNING CASE	5"	2.44"	4.75'	3326'
TOTAL DEPTH				3330'

PRESSURE



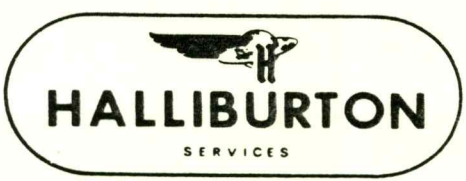
TIME



Each Horizontal Line Equal to 1000 p.s.i.

FROEGE #1 #4 3331' to 3345' VINCENT OIL CORPORATION 20
Lease Name Well No. Test No. Tested Interval Lease Owner/Company Name

154964 WINFIELD 9-25-81 6705 - 6704
Ticket Number Camp Date Gauge Number(s)



TICKET NO. 154964 DATE 9-25-81 HALLIBURTON CAMP WINFIELD
 LEASE OWNER VINCENT OIL CORPORATION bj
 LEASE NAME FROEGE WELL NO. #1 TEST NO. #4
 LEGAL LOCATION 32 22S 3W FORMATION TESTED MISSISSIPPI
 FIELD AREA WILDCAT COUNTY HARVEY STATE KANSAS
 TYPE OF D.S.T. OPEN HOLE
 TESTER(S) BOB TERNES
 WITNESS CHUCK SCHMALAZ DRILLING CONTRACTOR RED TIGER DRILLING COMPANY
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.)
 TYPE AND SIZE OF GAS MEASURING DEVICE

CUSHION DATA

TYPE AMOUNT WEIGHT (lb./gal.)
 TYPE AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.):

600' of gas and 70 feet of mud with oil specks and scum....

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
Bottom sample	.378 @ 71 °F	12712		@ °F	
Pit sample	1.18 @ 71 °F	1816		@ °F	
	@ °F			@ °F	

REMARKS:

Oil-mud cut bottom sample - 1.75%. Not enough oil recovered for
 API Gravity....SEE PRODUCTION TEST DATA SHEET FOR OTHER REMARKS....

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TICKET NO. 154964 DATE 9-25-81 ELEVATION (FT.) 1458' RKB
 TOP OF TESTED INTERVAL (ft.) 3331' BOTTOM OF TESTED INTERVAL (ft.) 3345'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 3345'
 HOLE OR CASING SIZE (in.) 7.875" MUD WEIGHT (lb./gal.) 9.6 VISCOSITY (sec.) 46
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE _____

ACTUAL _____

DEPTH (ft.) _____

H.T.-500 ☐; THERMOMETER ☐;
 T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY _____ DATA APPROVED BY _____

RECORDERS	GAUGE NUMBER	6705	6704			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	0813
	GAUGE DEPTH (ft.)	3317'	3341'			DATE	9-25-81
	CLOCK NUMBER	4197	2803			BYPASS OPENED	1143
	CLOCK RANGE (HR.)	12	12			DATE	9-25-81
PRESSURES	INITIAL HYDROSTATIC	1651.7-Q	1680.0			PERIOD	MINUTES
	INITIAL FLOW	14.7	25.5			XXX	XXX
	1st. FINAL FLOW	28.1	34.0			1st. FLOW	45 *
	CLOSED-IN	537.2	545.1			1st. C.I.P.	60 *
	INITIAL FLOW	27.5	32.8			XXX	XXX
	2nd. FINAL FLOW	37.6	41.1			2nd. FLOW	45 *
	CLOSED-IN	550.8	553.0			2nd. C.I.P.	60 *
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW	*See attached incremental pressure sheet....				3rd. FLOW	
	CLOSED-IN	Q = Questionable....				3rd. C.I.P.	
	FINAL HYDROSTATIC	1660.5	1666.0			XXX	XXX

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

FORM 182-R1—PRINTED IN U.S.A.

Ticket Number

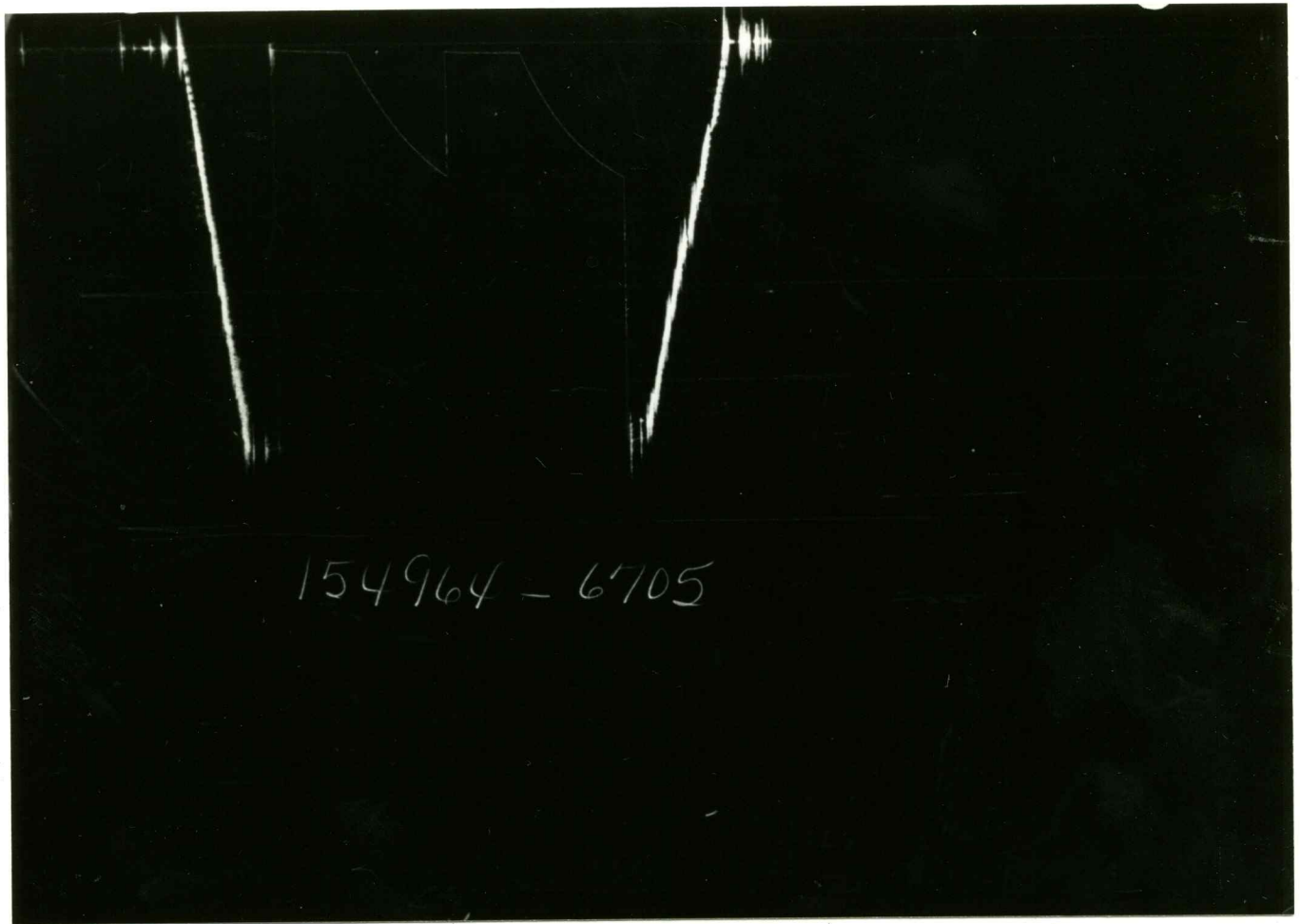
B.T. _____

Depth _____

12 HOUR

Remarks: _____

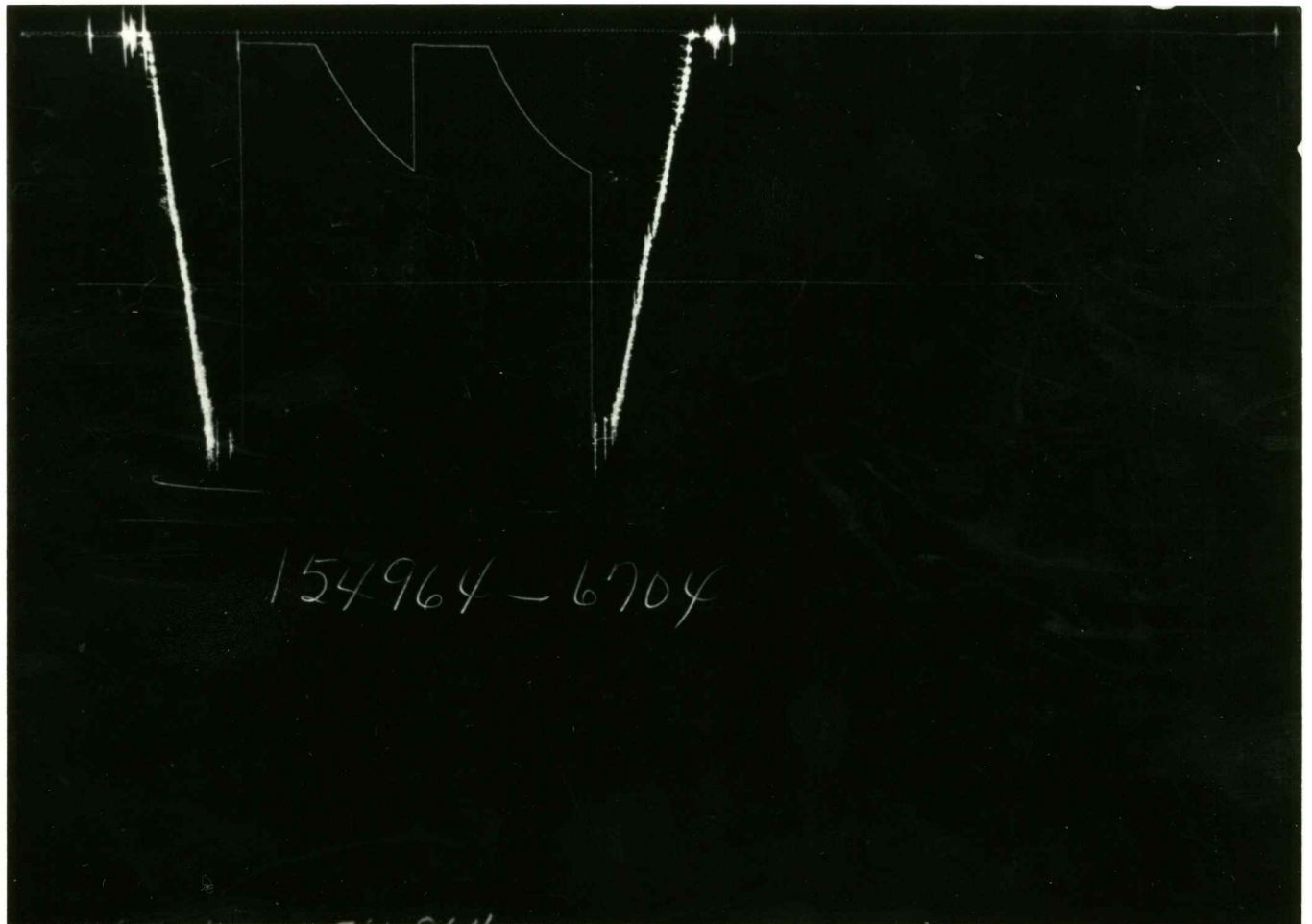
Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.50"	3.826"	2009'	
WEIGHT PIPE	4.50"	2.764"	1232'	
REVERSING SUB	5.03"	2.00"	1.00'	3240'
WEIGHT PIPE	4.50"	2.764"	60'	
HANDLING SUB	5.37"	3.00"	4.66'	
DUAL CIP VALVE	5.03"	.87"	4.88'	3311'
HYDROSPRING TESTER	5.00"	.75"	4.74'	3316'
RUNNING CASE-AP	5.00"	2.25"	4.15'	3317'
PACKER	6.75"	1.53"	5.81'	3325'
PACKER	6.75"	1.53"	5.81'	3331'
FLUSH JOINT ANCHOR	5.00"	2.37"	7.00'	
BLANKED-OFF RUNNING CASE	5.00"	2.44"	4.75'	3341'
TOTAL DEPTH				3345'



154964 - 6705

PRESSURE

TIME



154964 - 6704

Each Horizontal Line Equal to 1000 p.s.i.

FRUICE	1	2	3	4	5
Lease Name	Well No.	Test No.	Tested Interval	Lease Owner/Company Name	
177759	MC PHERSON		9-26-81	566 6704 239	5
Ticket Number	Camp		Date	Gauge Number(s)	



TICKET NO. 177759 DATE 9-26-81 HALLIBURTON CAMP MC PHERSON
 LEASE OWNER VINCENT OIL CORPORATION pw/ vt
 LEASE NAME FROESE WELL NO. 1 TEST NO. 5
 LEGAL LOCATION 32-22S-3W FORMATION TESTED MISSISSIPPI
 FIELD AREA _____ COUNTY HARVEY STATE KANSAS
 TYPE OF D.S.T. ON BOTTOM STRADDLE
 TESTER(S) J. DEVENA B. TERNES
 WITNESS C. SCHMALTZ DRILLING CONTRACTOR RED TIGER RIG #3
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____
 TYPE AND SIZE OF GAS MEASURING DEVICE 2" MERLA

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____
 TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.): 75'-Watery mud-no salty taste
chlorides less than 5000

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
	@ °F			@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

-SEE PRODUCTION TEST DATA SHEET-

TICKET NO. 177759 DATE 9-26-81 ELEVATION (FT.) 1453
 TOP OF TESTED INTERVAL (ft.) 3272 BOTTOM OF TESTED INTERVAL (ft.) 3290
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 3380
 HOLE OR CASING SIZE (in.) _____ MUD WEIGHT (lb./gal.) 9.2 VISCOSITY (sec.) 52
 SURFACE CHOKE (in.) 1.5 & 1 BOTTOM CHOKE (in.) .75
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE 102

ACTUAL _____

DEPTH (ft.) _____

H.T.-500 ☐; THERMOMETER ☐;
 T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY _____ DATA APPROVED BY D. D. ??

RECORDERS	GAUGE NUMBER	566	6704	239		TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2	2		TOOL OPENED <u>1323</u>	
	GAUGE DEPTH (ft.)	3266	3282	3377		DATE <u>9-16-81</u>	
	CLOCK NUMBER	12869	2817	7101		BYPASS OPENED <u>1853</u>	
	CLOCK RANGE (HR.)	12	12	12		DATE <u>9-26-81</u>	
PRESSURES	INITIAL HYDROSTATIC	1622.3	1638.6	1679.8		PERIOD	MINUTES
	INITIAL FLOW	49.9	68.0			XXX	XXX
	1st. FINAL FLOW	144.8	156.4	HR		1st. FLOW	30*
	CLOSED-IN	801.5	813.1	938.7		1st. C.I.P.	60*
	INITIAL FLOW	135.5	147.0			XXX	XXX
	2nd. FINAL FLOW	148.1	157.6			2nd. FLOW	120*
	CLOSED-IN	666.0	676.8			2nd. C.I.P.	120*
	INITIAL FLOW	HR=HYDROSTATIC RELEASE				XXX	XXX
	3rd. FINAL FLOW	*See incremental pressure sheet				3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	1620.9	1637.1	1678.6		XXX	XXX

Lease Owner/Company Name

Ticket Number

B.T. 566

B.T. 6704

B.T. 239

Depth 3266'

Depth 3282'

Depth 3377'

[illegible]

Remarks: _____ CC=Choke Change

VINCENT OIL CORPORATION
Lease Owner/Company Name

177759
Ticket Number

PAGE #2

B.T. 566

B.T. 6704

B.T. 239

Depth 3266'

Depth 3282'

Depth 3377'

Time (minutes)	Log $\frac{t + ()}{()}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t + ()}{()}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t + ()}{()}$	PSIG Temp. Corr.
FINAL FLOW...			FIRST FLOW...			HYDROSTATIC RELEASE		
0		135.5	0		147.0	NO READINGS AVAILABLE		
20		159.6	20		171.6			
40		163.1	40		174.3			
60		165.0	60		172.4			
80		160.5	80		168.6			
100		154.5	100		160.8			
120.2		148.1	119.8		157.6			
FINAL CIP...			FINAL CIP...					
0		148.1	0		157.6			
1		512.8	1		528.3			
2		536.4	2		548.2			
3		546.8	3		557.3			
4		554.2	4		564.8			
5		559.5	5		570.3			
6		564.2	6		574.8			
7		567.1	7		577.9			
8		571.6	8		581.4			
9		574.5	9		584.4			
10		577.5	10		588.0			
12		582.8	12		593.2			
14		587.7	14		597.3			
16		590.9	16		601.0			
18		594.6	18		605.1			
20		597.6	20		608.6			
22		600.7	22		611.2			
24		603.2	24		613.5			
26		606.0	26		615.5			
28		608.2	28		616.9			
30		609.5	30		618.4			
35		615.0	35		623.2			
40		619.5	40		628.0			
45		623.5	45		631.9			
50		627.1	50		636.4			
55		630.5	55		639.9			
60		633.8	60		643.8			
70		640.6	70		650.2			
80		646.4	80		654.3			
90		651.6	90		660.5			
100		657.1	100		666.8			
110		661.5	110		672.1			
120.4		666.0	120		676.8			

Remarks: _____

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 177759
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1215						Tool through table.
1320						Tool on bottom.
1323						Tool opened with immediate strong blow.
1334		1.5	18	1800		Gas to surface-11 minutes. Opened 2" and PSI started dropping fast.
1340		1	16	625		Changed choke.
1345			16	625		
1348			18	675		
1353			20	715		Tool closed.
1453						Tool opened.
1458			22	760		
1503			24	800		
1508			25	825		
1513			25	"		
1518			26	850		
1523			26	"		
1528			26	"		
1533			27	875		
1538			27	"		
1543			27	"		
1548			27	"		
1553			27	"		
1558			26	850		
1603			26	850		

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 177759
Gas gravity _____ Oil gravity _____ GOR _____ Page #2
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

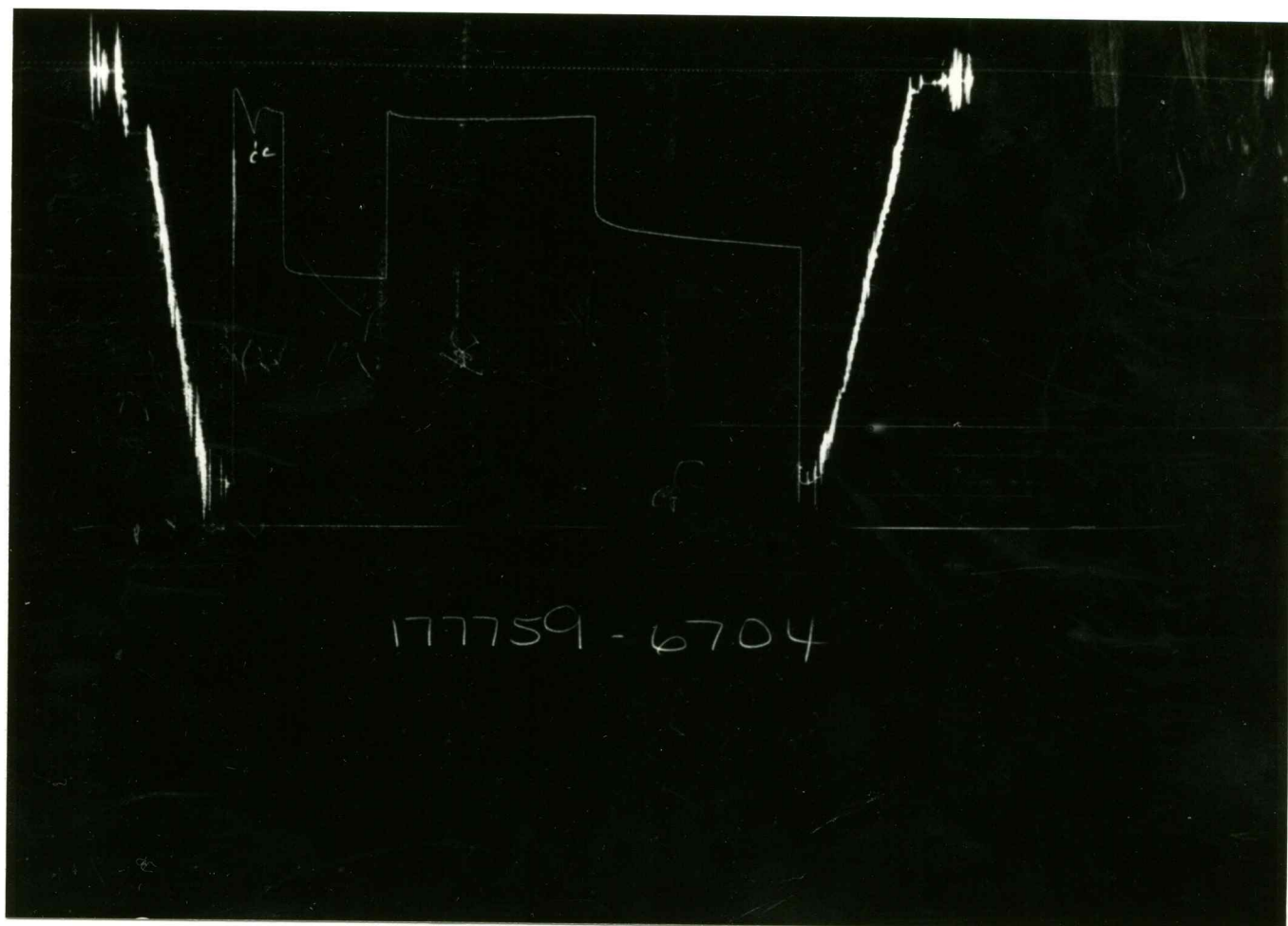
[illegible]

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.5"	3.826"	2052'	
WEIGHT PIPE	4.5"	2.992"	1144'	
CIRCULATING SUB	5.75"	2.75"	1'	3187'
WEIGHT PIPE	4.5"	2.992"	60'	
X/O	6"	2.267"	1'	
HANDLING SUB	4.5"	3.50"	3'	
X/O	5"	-	1'	
DUAL CIP VALVE	5"	.87"	5'	
HYDROSPRING TESTER	5"	.75"	5'	3264'
AP RUNNING CASE	5"	3.75"	4'	3266'
PACKER	6.75"	1.53"	5'	3272'
FLUSH JOINT ANCHOR	5"	2.37"	7'	
AP RUNNING CASE	5"	3.75"	4'	3282'
BLANKED OFF SUB	6"	-	1'	
PACKER	6.75"	1.53"	5'	3290'
X/O	6"	2.267"	1'	
X/O	6"	2.267"	1'	
WEIGHT PIPE	4.5"	2.992"	60'	
X/O	6"	2.267"	1'	
X/O	6"	2.267"	1'	
FLUSH JOINT ANCHOR	5"	2.37"	20'	
BLANKED OFF BT RUNNING CASE	5"	2.75"	4'	3377'
TOTAL DEPTH				3380'

PRESSURE
↓

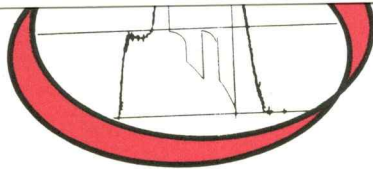


TIME →



Each Horizontal Line Equal to 1000 p.s.i.

Formation Testing Service Report



177759 - 239

well File Copy

VINCENT OIL CORP.
FROESE #1
DST #5
MISSISSIPPI
9-26-81
TICKET NO. 177759

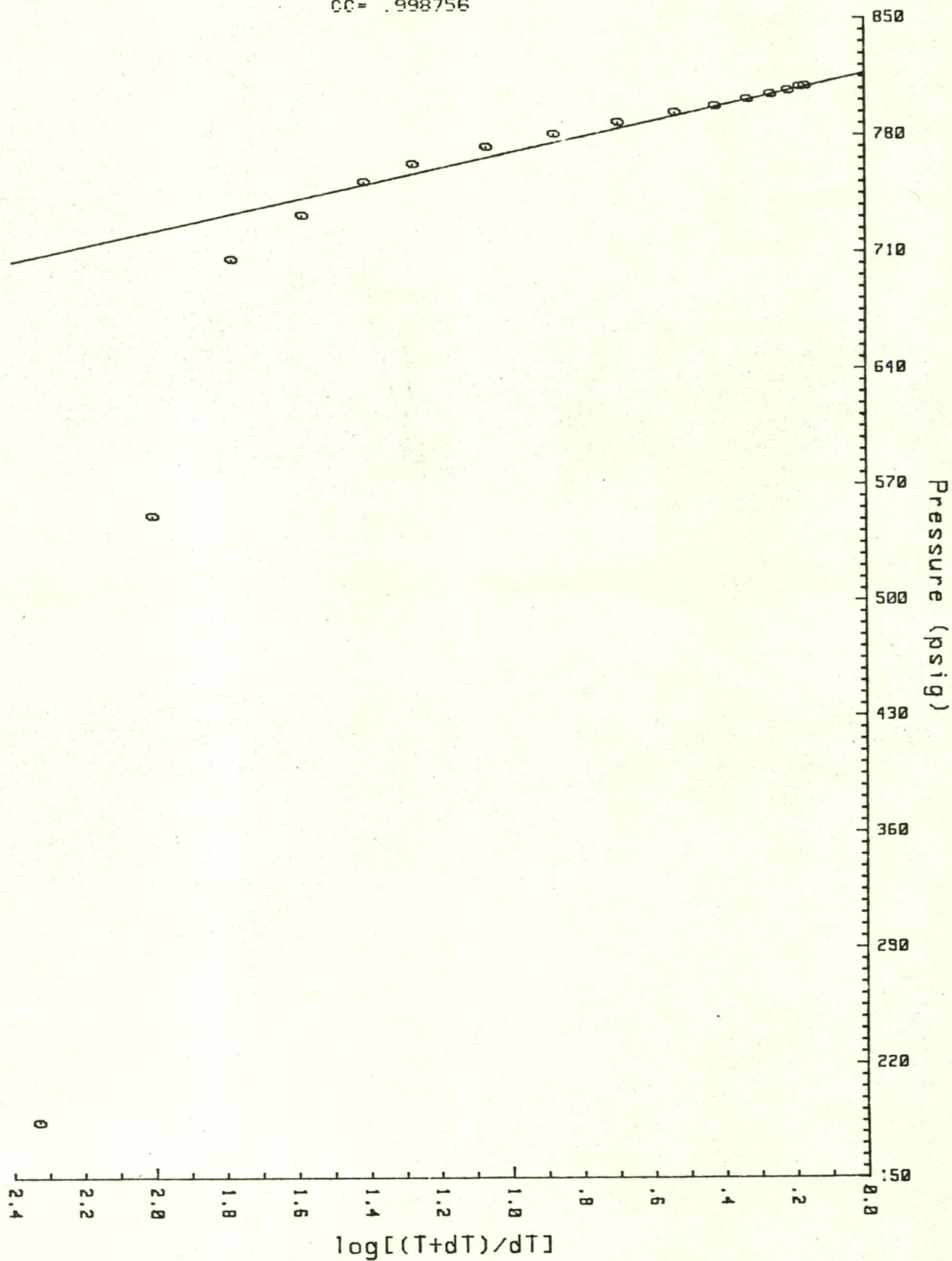
THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT
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IN CONNECTION WITH SUCH DATA, CALCULATIONS, OR OPINIONS.

Press.	Time	
64.41	0.00	VALVE OPEN
59.60	1.56	
99.79	4.66	
152.51	7.62	
196.35	9.75	
234.03	11.61	
190.81	12.66	
149.79	14.53	
132.15	17.34	
132.88	19.20	
142.90	22.06	
149.06	25.59	
152.92	28.59	VALVE CLOSED
183.72	.13	DP= 30.79
551.14	.28	DP= 398.22
706.03	.48	DP= 553.11
732.54	.76	DP= 579.61
752.70	1.15	DP= 599.78
763.20	1.60	DP= 610.28
773.39	2.68	DP= 620.47
781.08	4.38	DP= 628.16
787.94	7.18	DP= 635.02
793.87	11.71	DP= 640.94
797.51	17.41	DP= 644.58
801.56	24.99	DP= 648.64
804.57	34.06	DP= 651.65
806.65	44.43	DP= 653.73
808.84	54.64	DP= 655.91
809.36	60.67	DP= 656.43 Ps= 817.078 P10= 770.370 CC= .998756 VALVE OPEN

NOTICE: THIS DATA IS SUBJECT TO THE LIMITATION OF LIABILITY PROVISION ON PAGE 1.
TICKET NO. 177759

HORNER PLOT
 $P_s = 817.078$
 $P_{10} = 770.370$
 $CC = .998756$

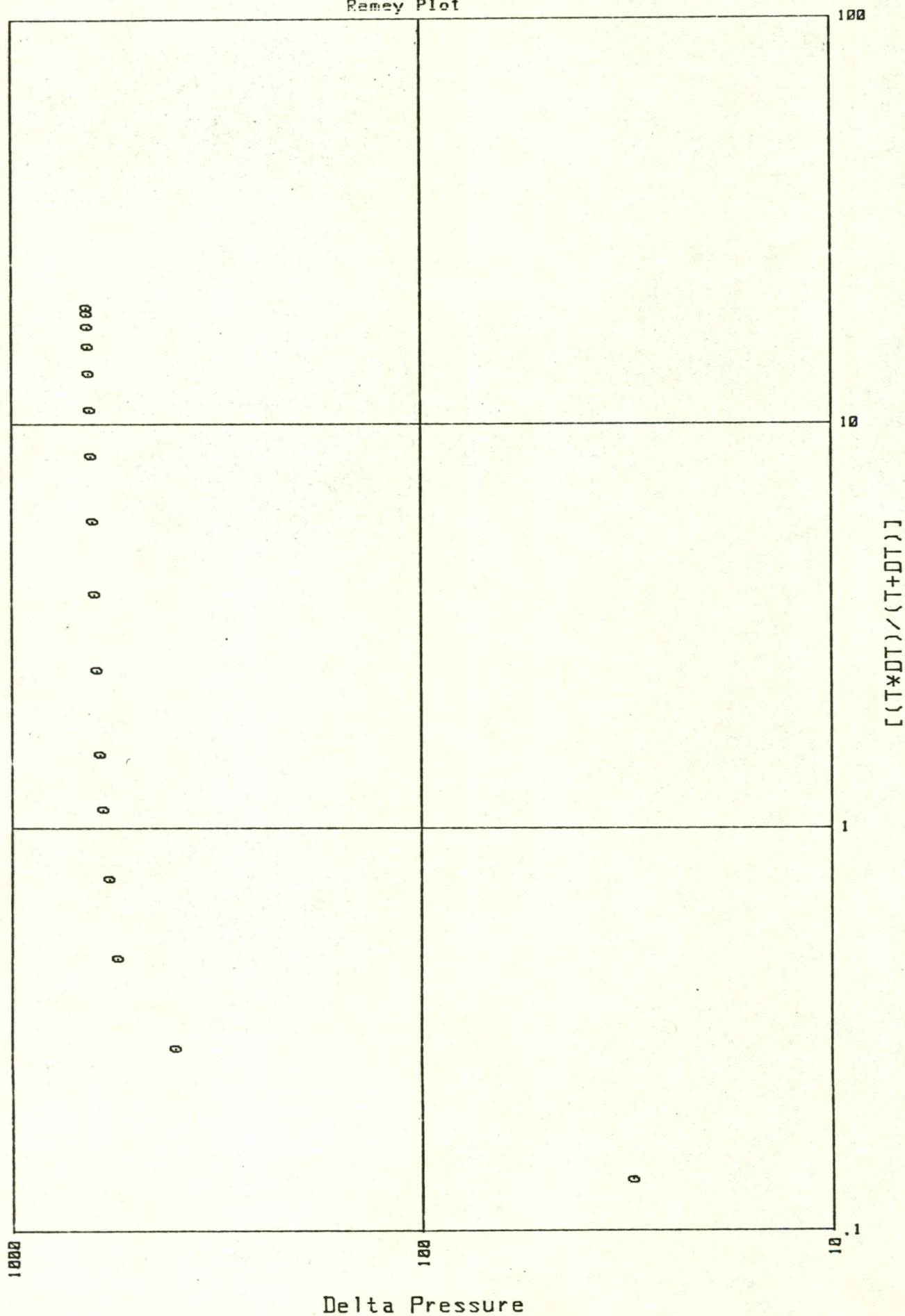
① R



NOTICE: THIS DATA IS SUBJECT TO THE LIMITATION OF LIABILITY PROVISION ON PAGE 1.
TICKET NO. 177759

Ramey Plot

①



NOTICE: THIS DATA IS SUBJECT TO THE LIMITATION OF LIABILITY PROVISION ON PAGE 1.

TICKET NO. 177759

Press. Time

2nd Flow

143.22	0.00
144.05	2.49
154.07	2.76
151.98	3.84
157.83	6.36
163.36	10.26
165.55	14.94
167.75	20.55
169.62	28.00
169.52	34.20
170.98	42.18
169.83	47.83
168.79	53.05
168.48	57.73
177.97	58.03
172.44	59.40
168.48	63.18
167.85	69.24
167.43	75.28
165.66	82.23
163.99	88.09
162.94	94.06
160.65	98.08
158.25	103.10
156.78	108.46
154.91	114.80
154.59	120.82
194.26	.12
258.77	.18
454.18	.33
493.53	.51
511.43	.70
524.84	.94
537.32	1.48
548.23	2.25
558.32	3.51
568.71	5.35
572.07	7.95
588.36	11.46
599.06	16.77
608.21	22.38
615.49	30.09
624.32	39.25
632.22	48.21
639.40	58.27
645.95	68.47
651.46	79.45
656.96	88.89
663.10	98.58
668.50	108.28
673.80	120.59

VALVE CLOSED 2nd close in

DP= 39.67

DP= 104.18

DP= 299.58

DP= 338.94

DP= 356.84

DP= 370.25

DP= 382.73

DP= 393.64

DP= 403.72

DP= 414.12

DP= 423.47

DP= 433.76

DP= 444.47

DP= 453.62

DP= 460.90

DP= 469.73

DP= 477.63

DP= 484.80

DP= 491.35

DP= 496.86

DP= 502.37

DP= 508.50

DP= 513.91

DP= 519.21

P5= 746.383 P10= 538.894 CC= .999112

NOTICE: THIS DATA IS SUBJECT TO THE LIMITATION OF LIABILITY PROVISION ON PAGE 1.
TICKET NO. 177759

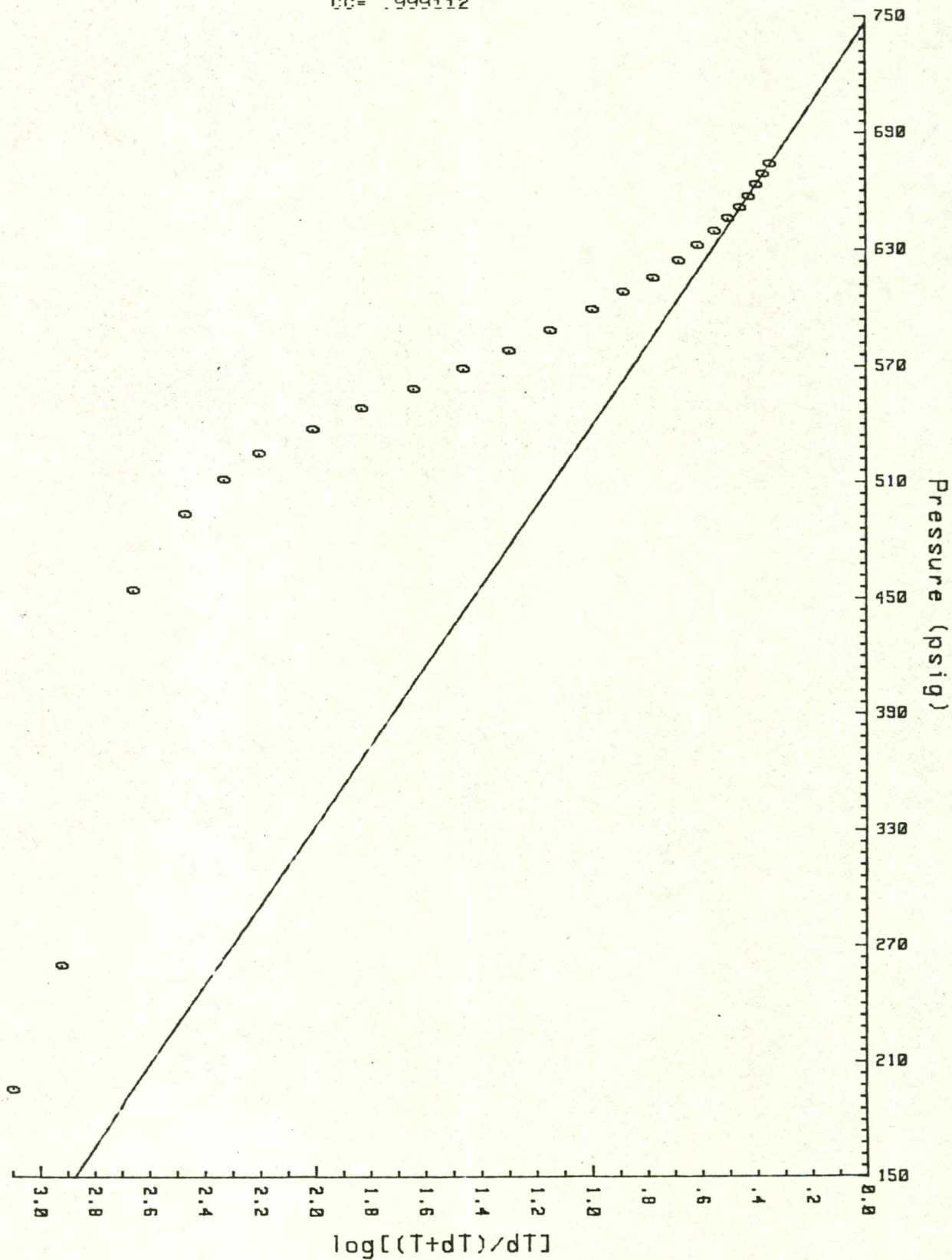
② R

HORNER PLOT

$P_s = 746.383$

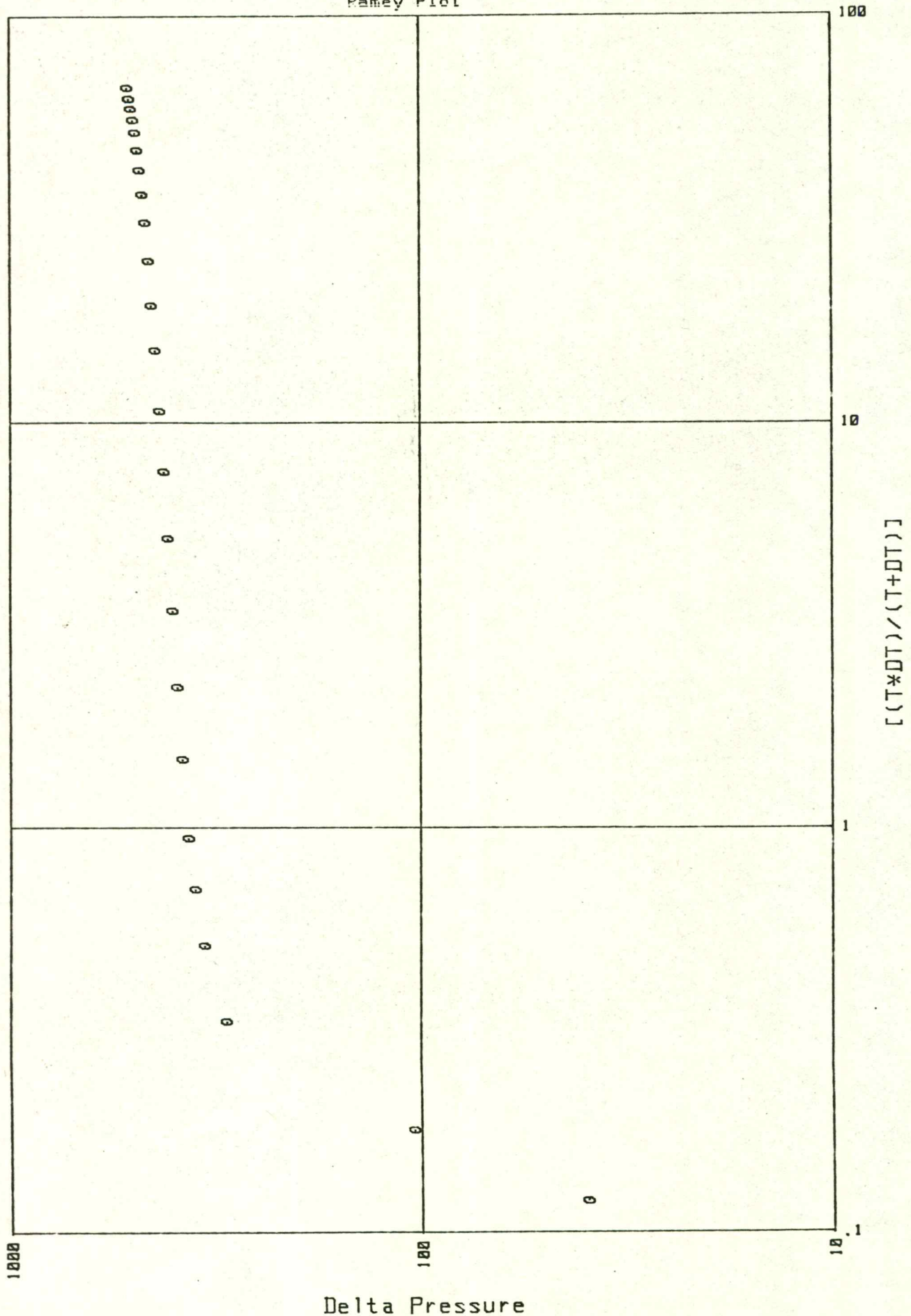
$P_{10} = 538.894$

$CC = .999112$



Pamey Plot

(2)



NOTICE: THIS DATA IS SUBJECT TO THE LIMITATION OF LIABILITY PROVISION ON PAGE 1.
TICKET NO. 177759

②R

VINCENT OIL CORP.
FROESE #1
DST #5
MISSISSIPPI
9-26-81
TICKET NO. 177759
Gas Production

Static Pressure (Psia)=	746.38269
One Cycle Pressure (Psig)=	538.89365
Elevation (ft.)=	1453.00000
Gauge Depth (ft.)=	3784.00000
Production Rate(MCF OR Bpd)	785.00000
Hole Size (in.)=	7.87500
Footage Tested (ft.)=	10.00000
Viscosity (cp.)=	.01174
Gas Deviation=	.89610
Temperature (F)=	102.00000
Final Flow Press.(Psig)=	154.59290
Total Flow Time(Min.)=	149.40753

Slope=	266680.75143Psig/c
Production Rate=	785.00000 MCF
Transmissibility=	2426.72252 md ft
Theo. Flow Cap.=	28.48956 md ft
Permeability=	2.84896 md
Indicated Flow Capacity=	42.07248 md ft
Indicated Flow Rate (Max)=	320.18587 MCFD
Indicated Flow Rate (Min)=	802.40009 MCFD
Damage Ratio=	.67715
Theoretical Potential Rate	820.18587 MCFD
Theoretical Potential Rate	802.40009 MCFD
Radius of Investigation=	20.95955 ft.
Potentiometric Surface=	-600.13855 ft.

PRESSURE (PSIG)

