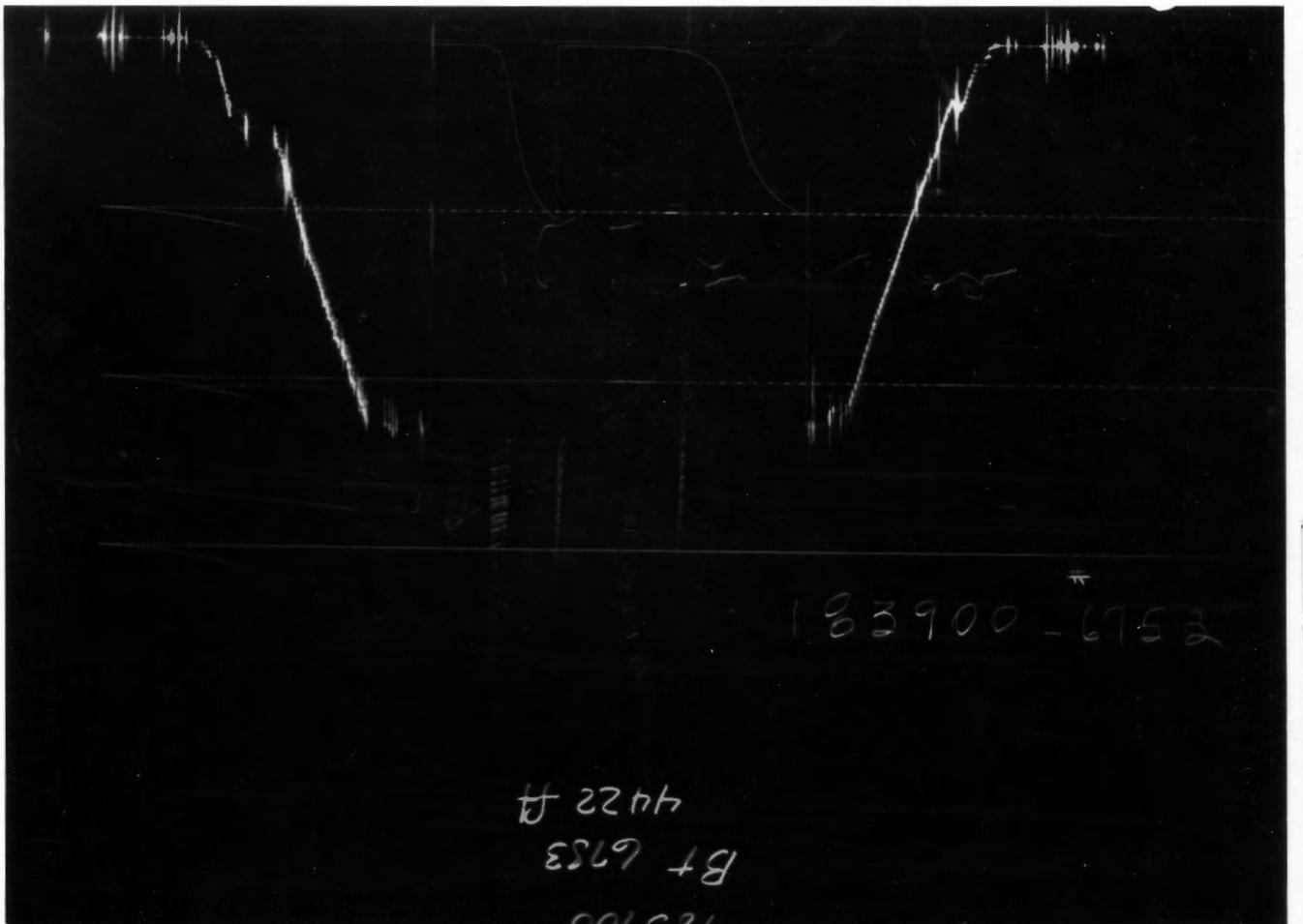
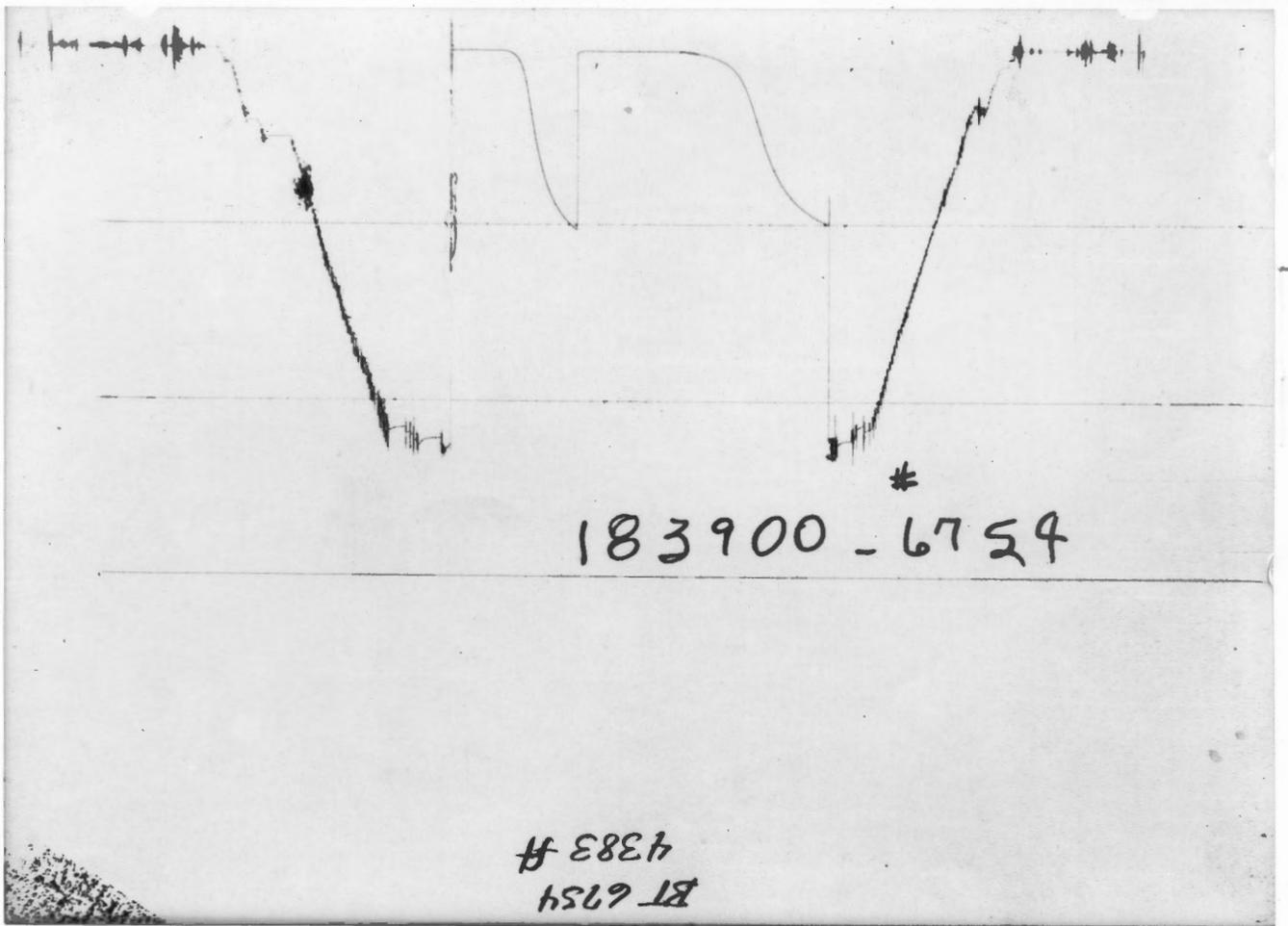


PRESSURE



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

FLYING M RANCH  
Lease Name  
183900  
Ticket Number

Well No. 1  
Test No. 1  
LIBERAL  
Camp

4404'-4425'  
Tested Interval

PETRO-DYNAMICS LTD.  
Lease Owner/Company Name

12-27-81  
Date

6754 6753 HI-500  
Gauge Number(s)

2



TICKET NO. 183900 DATE 12-27-81 HALLIBURTON CAMP LIBERAL  
 LEASE OWNER PETRO-DYNAMICS LTD. NM/vf/bj  
 LEASE NAME FLYING M RANCH WELL NO. 1 TEST NO. 1  
 LEGAL LOCATION 16-20S-33W FORMATION TESTED BEYMER  
 FIELD AREA N. GARDEN CITY COUNTY SCOTT STATE KANSAS  
 TYPE OF D.S.T. OPEN HOLE  
 TESTER(S) MR. HASS  
 WITNESS RAY PALMER DRILLING CONTRACTOR KAN DRILCO #1  
 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.):

10'-DRILLING MUD

### FLUID PROPERTIES

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

REMARKS:

-SEE PRODUCTION TEST DATA SHEET-

*State Geological Survey*  
**WICHITA BRANCH**

TICKET NO. 183900 DATE 12-27-81 ELEVATION (FT.) 2964  
 TOP OF TESTED INTERVAL (ft.) 4404 BOTTOM OF TESTED INTERVAL (ft.) 4425  
 NET PAY (ft.) \_\_\_\_\_ TOTAL DEPTH (ft.) 4425  
 HOLE OR CASING SIZE (in.) 7.875 MUD WEIGHT (lb./gal.) 9.5 VISCOSITY (sec.) 42  
 SURFACE CHOKE (in.) BUBBLE HOSE 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 \_\_\_\_\_

### TEMPERATURE (°F)

ESTIMATE \_\_\_\_\_  
 ACTUAL 95  
 DEPTH (ft.) 4420  
 H.T.-500 ; THERMOMETER ;  
 T.E. OR R.T.-7 ; OTHER   
 SERIAL NO. 463

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

FROM SAMPLER \_\_\_\_\_ OTHER \_\_\_\_\_

## RECORDER AND PRESSURE DATA

CHARTS READ BY \_\_\_\_\_ DATA APPROVED BY \_\_\_\_\_

RECORDERS	GAUGE NUMBER	6754	6753			TIMES (00:00-24:00 HRS.)	
		GAUGE TYPE	1	2			TOOL OPENED
	GAUGE DEPTH (ft.)	4378	4422			DATE	12-27-81
	CLOCK NUMBER	17058	8090			BYPASS OPENED	1741
	CLOCK RANGE (HR.)	12	12			DATE	12-27-81
PRESSURES	INITIAL HYDROSTATIC	2246.0	2231.0			PERIOD	MINUTES
	INITIAL FLOW	9.9	23.7			XXX	XXX
	1st. FINAL FLOW	9.4	24.7			1st. FLOW	31.2
	CLOSED-IN	1023.4	1044.1			1st. C.I.P.	44.6
	INITIAL FLOW	31.6	39.0			XXX	XXX
	2nd. FINAL FLOW	13.2	28.4			2nd. FLOW	61.0
	CLOSED-IN	993.4	1009.9			2nd. C.I.P.	90.4
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	2223.2	2249.6			XXX	XXX

Casing perms. \_\_\_\_\_ Bottom choke \_\_\_\_\_ Surf. temp \_\_\_\_\_ °F Ticket No. 183900  
 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
0850						On location-coming out of hole.
0900						Requested.
0915						Out of hole.
0920						Picked up tool.
1000						Tightened tool-tongs wouldn't bite.
1120						Tool in rotary.
1136						Reversing sub in string.
1200						Shut down.
1218						Went in hole.
1336						Hooked up head and lines-laid flow line.
1351						Tool on bottom.
1355						Tool opened-bubble on surface.
1420						Blow stopped.
1425						Closed tool.
1510						Opened tool with no blow.
1610						Closed tool.
1740						Broke head and lines.
1741						Pulled off bottom.
1930						Tool in rotary-tongs wouldn't bite.
2055						Loaded tool.
2118						Tool loaded-job complete.

PETRO-DYNAMICS, LIMITED

183900

Lease Owner/Company Name \_\_\_\_\_

Ticket Number \_\_\_\_\_

B.T. 6754

B.T. 6753

B.T. \_\_\_\_\_

Depth 4378

Depth 4422

Depth \_\_\_\_\_

Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
FLOW PERIOD #1			FLOW PERIOD #1					
0		9.9	0		23.7			
31.2		9.4	31.2		24.7			
CLOSED IN PERIOD #1			CLOSED IN PERIOD #1					
0		9.4	0		24.7			
3		12.8	3		31.8			
6		23.9	6		46.9			
9		48.1	9		74.4			
12		105.8	12		143.4			
15		230.9	15		276.8			
18		400.0	18		451.2			
21		560.5	21		599.7			
24		685.0	24		723.2			
27		780.3	27		814.1			
30		849.7	30		878.7			
33		901.7	33		928.4			
36		945.0	36		969.5			
39		979.3	39		999.7			
42		1005.4	42		1026.1			
44.6		1023.4	44.6		1044.1			
FLOW PERIOD #2			FLOW PERIOD #2					
0		31.6	0		39.0			
10		13.2	10		26.8			
20		13.2	20		26.8			
30		13.2	30		27.1			
40		12.5	40		27.6			
50		13.0	50		27.8			
61.0		13.2	61.0		28.4			
(Continued)			(Continued)					

Remarks: \_\_\_\_\_



<u>Tool Description</u>	<u>O.D.</u>	<u>I.D.</u>	<u>Length</u>	<u>Depth</u>
DRILL PIPE	4.5"	3.826"	4205'	
DRILL COLLARS	6.25"	2.25"	120'	
REVERSING SUB	6"	2.50"	1'	4305'
DRILL COLLARS	6.25"	2.25"	60'	
X/O	6.50"	2.50"	1'	
HANDLING SUB	4.5"	3.826"	5'	
DUAL CIP VALVE	5"	.87"	5'	
HYDROSPRING TESTER	5"	.75"	5'	4376'
AP RUNNING CASE	5"	3.06"	4'	4378'
BIG JOHN JARS	5"	1.75"	5'	
VR SAFETY JOINT	5"	1"	3'	
PACKER	6.75"	1.53"	6'	4398'
PACKER	6.75"	1.53"	6'	4404'
FLUSH JOINT ANCHOR	5"	2.50"	14'	
HT-500	5"	-	1'	4420'
BLANKED OFF BT RUNNING CASE	5"	2.44"	4'	4422'
TOTAL DEPTH				4425'

TEMPERATURE  
RECORDER  
CHART



10° each circle