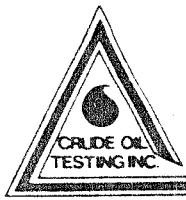


24-4-20W



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Company A. Scott Ritchie Test Ticket No. 1550
Date 10/27/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone A Type of Test Conventional

DST# 1 Interval 3,120 To 3,190 Total Depth 3,190
Open 30 11:35 Shut In 30 12:05 Open 30 12:35 Shut In 30 1:05
Packer(s) Set 11:33 ^{AM} Started off Bottom 1:35 ^{XXXX} P.M.
Blow 1st Open: Strong blow off bottom of bucket in 1/2 min.
2nd Open: Strong blow decreasing to good blow after 20 mins.

Recovery Total Feet 1,850
Recovered 1,850 Ft. of Salt water (no show of oil)
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides 76,000

Pressures & Temp. Initial Hydrostatic Pressure 1,606 Final Hydrostatic Pressure 1,584
Initial Closed In Pressure 1,078 Final Closed In Pressure 1,078
Initial Flow Pressure 526 To 861 Final Flow Pressure 872 To 883
Test Area Temperature 88
(Office Reading If Applicable)

Engineering Date Elevation 2,003 K.B.
Mud Viscosity 47 Mud Weight 9.6 Water Loss 8
Chlorides 1,400 P.P.M. Type of Mud Chemical Anchor Length 70'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,204 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. 3,115 Bottom Packer Depth. 3,120 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment Circulating Sub.
Remarks Reversed out 1,850' fluid.

Open Hole Test. Thank You.
Price of Job \$690.00

CRUDE OIL TESTING COMPANY

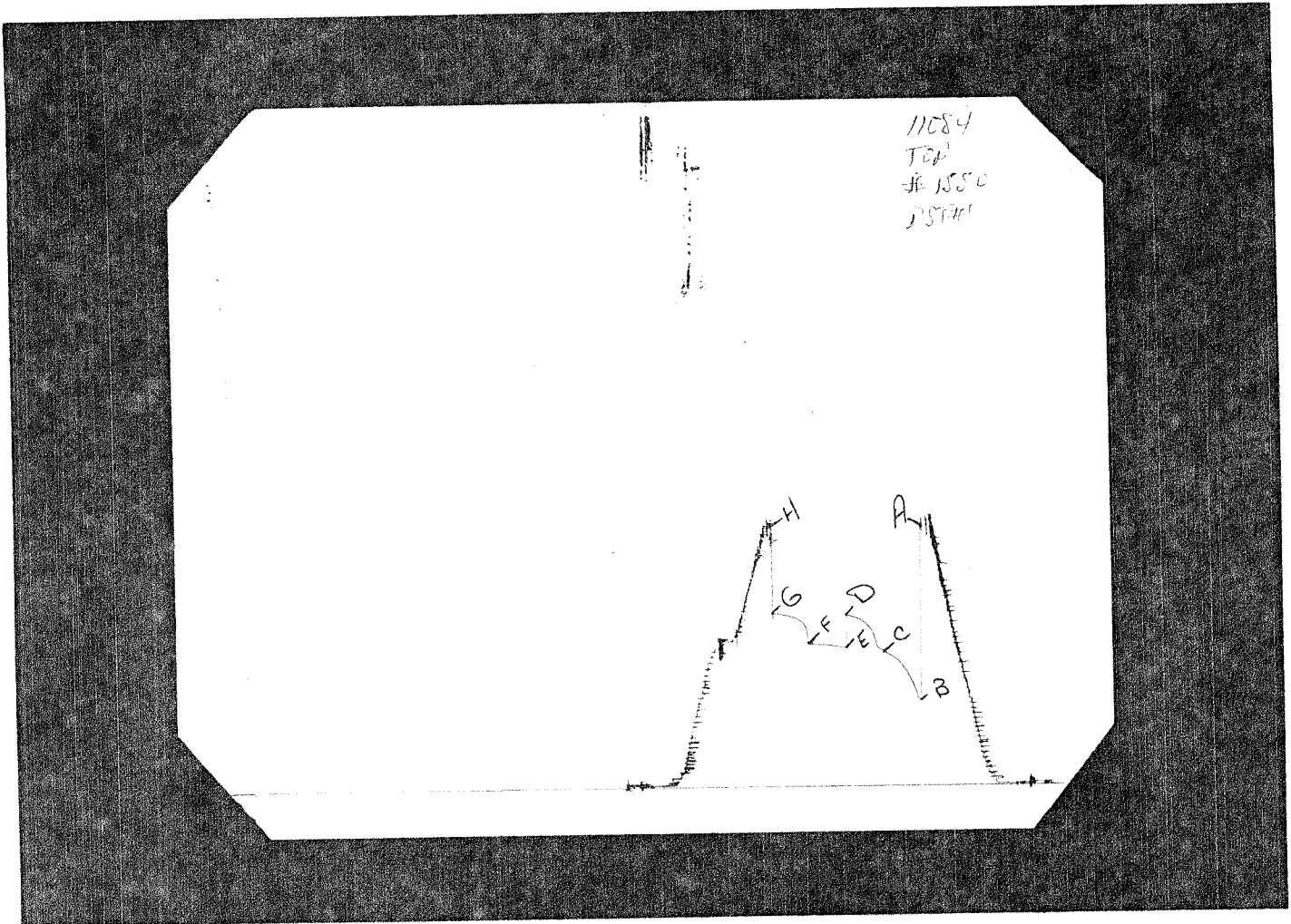
P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date: 10/27/81 Test Ticket No. 1550
 Recorder No. Kuster AK-1 11084 Capacity 4,300 PSI Location 3,180 Ft.
 Clock No. 23934 Elevation 2,003 K.B. Well Temperature 88 °F

Point	Pressure	Open Tool	Field Time	Time Computed
A Initial Hydrostatic Mud	1,616 P.S.I.		11:35 A M	
B First Initial Flow Pressure	532 P.S.I.	First Flow Pressure	30 Mins.	Mins.
C First Final Flow Pressure	835 P.S.I.	Initial Closed-in Pressure	30 Mins.	Mins.
D Initial Closed-in Pressure	1,066 P.S.I.	Second Flow Pressure	30 Mins.	Mins.
E Second Initial Flow Pressure	865 P.S.I.	Final Closed-in Pressure	30 Mins.	Mins.
F Second Final Flow Pressure	887 P.S.I.			
G Final Closed-in Pressure	1,077 P.S.I.			
H Final Hydrostatic Mud	1,631 P.S.I.			

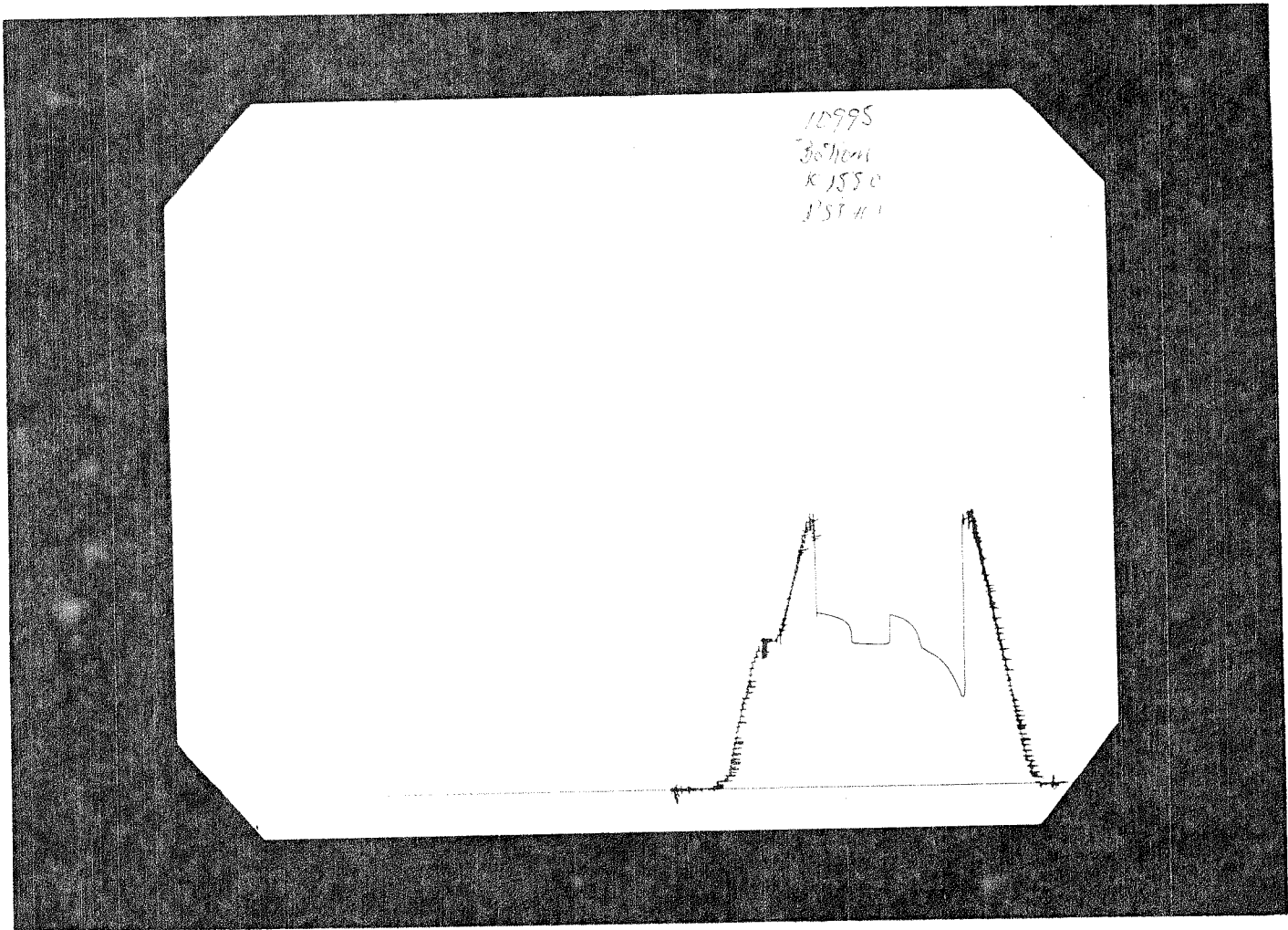
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>6</u> Inc.	
of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a		of <u>5</u> mins. and a	
final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>532</u>	<u>0</u>	<u>835</u>	<u>0</u>	<u>865</u>	<u>0</u>	<u>887</u>
P 2 <u>5</u>	<u>601</u>	<u>5</u>	<u>865</u>	<u>5</u>	<u>867</u>	<u>5</u>	<u>1,017</u>
P 3 <u>10</u>	<u>692</u>	<u>10</u>	<u>974</u>	<u>10</u>	<u>876</u>	<u>10</u>	<u>1,047</u>
P 4 <u>15</u>	<u>748</u>	<u>15</u>	<u>1,015</u>	<u>15</u>	<u>878</u>	<u>15</u>	<u>1,058</u>
P 5 <u>20</u>	<u>787</u>	<u>20</u>	<u>1,040</u>	<u>20</u>	<u>883</u>	<u>20</u>	<u>1,068</u>
P 6 <u>25</u>	<u>816</u>	<u>25</u>	<u>1,056</u>	<u>25</u>	<u>885</u>	<u>25</u>	<u>1,075</u>
P 7 <u>30</u>	<u>835</u>	<u>30</u>	<u>1,066</u>	<u>30</u>	<u>887</u>	<u>30</u>	<u>1,077</u>
P 8							
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,606	1,616	PSI
(B) First Initial Flow Pressure	526	532	PSI
(C) First Final Flow Pressure	861	835	PSI
(D) Initial Closed-in Pressure	1,078	1,066	PSI
(E) Second Initial Flow Pressure	872	865	PSI
(F) Second Final Flow Pressure	883	887	PSI
(G) Final Closed-in Pressure	1,078	1,077	PSI
(H) Final Hydrostatic Mud	1,584	1,631	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Company A. Scott Ritchie Test Ticket No. 1551
Date 10/28/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone C & D Type of Test Conventional

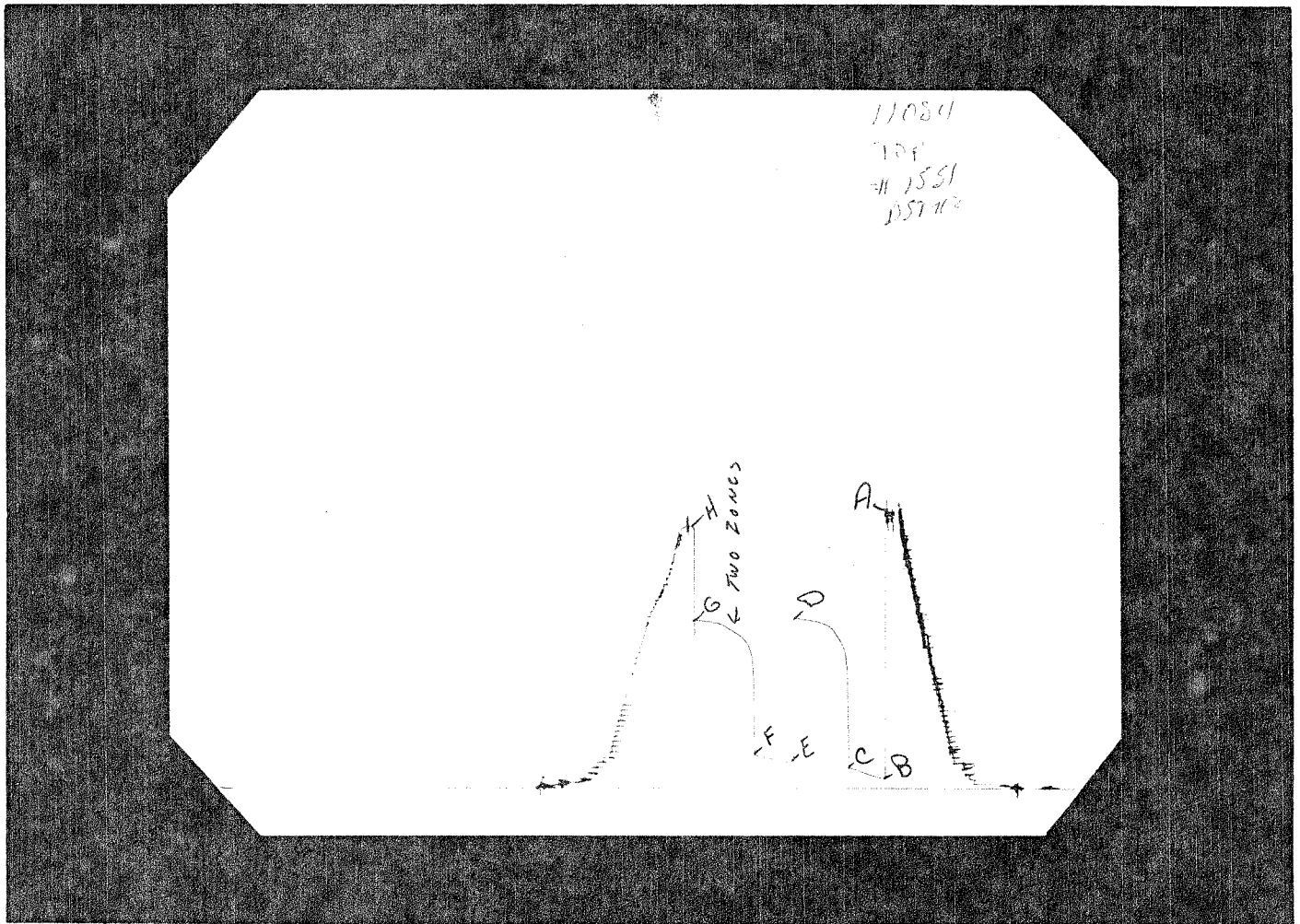
DST# 2 Interval 3,185 To 3,232 Total Depth 3,232
Open 30 2:20 Shut In 45 2:50 Open 30 3:35 Shut In 45 4:05
Packer(s) Set 2:18 Started off Bottom 4:50
Blow Fair, steady blow to 3-1/2" in bucket on both openings.

Recovery Total Feet 320
Recovered 1 Ft. of Clean Oil
Recovered 319 Ft. of Slightly oil-stained mud
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides 42,000

Pressures & Temp. Initial Hydrostatic Pressure 1,627 Final Hydrostatic Pressure 1,606
Initial Closed In Pressure 1,024 Final Closed In Pressure 1,024
Initial Flow Pressure 66 To 120 Final Flow Pressure 154 To 197
Test Area Temperature 88
(Office Reading If Applicable)

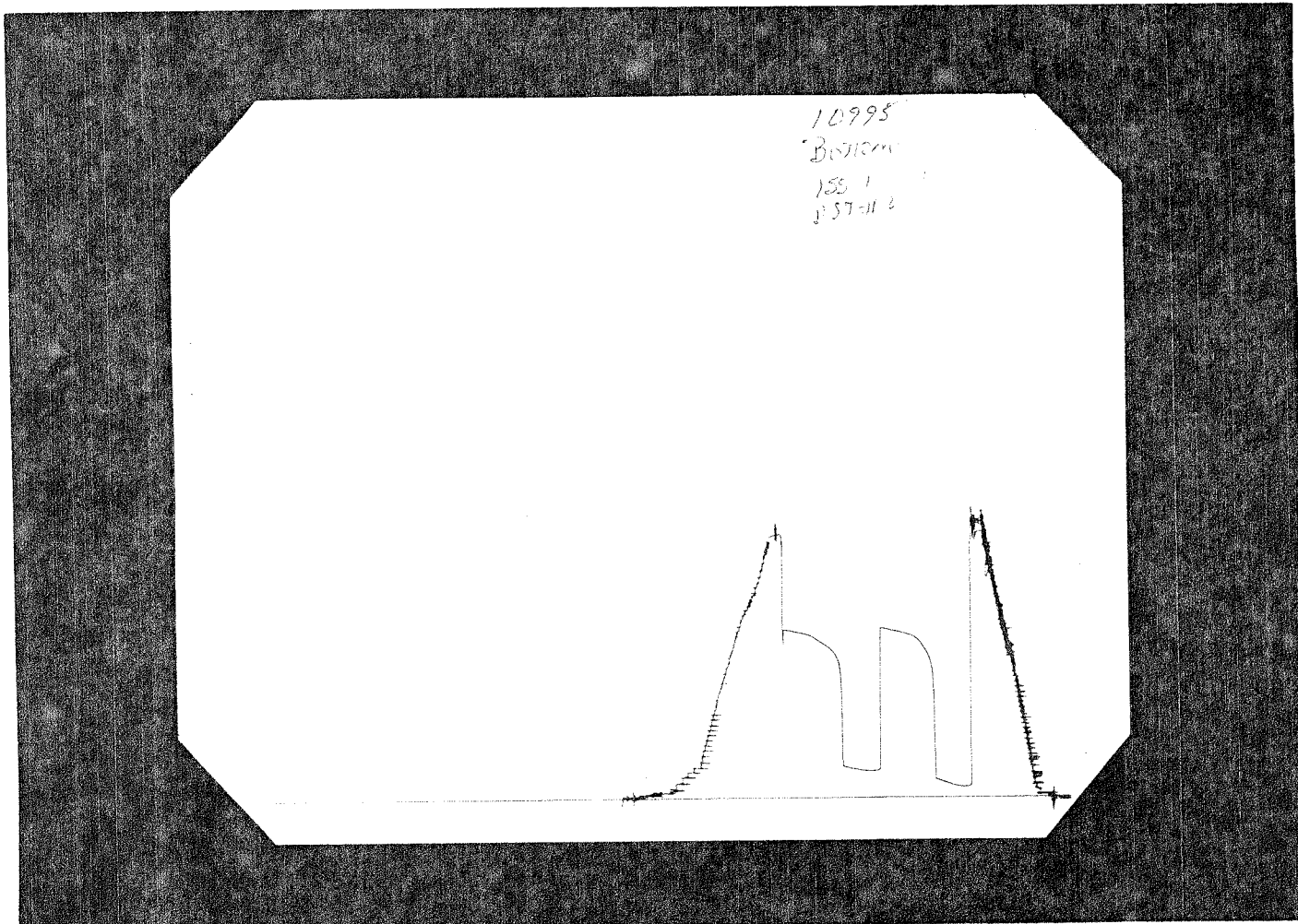
Engineering Date Elevation 2,003 K.B.
Mud Viscosity 47 Mud Weight 9.6 Water Loss 8
Chlorides 1,400 P.P.M. Type of Mud Chemical Anchor Length 47'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,269 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. 3,180 Bottom Packer Depth. 3,185 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment None.
Remarks Open Hole Test. Thank You.

Price of Job \$660.00



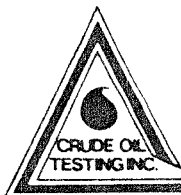
This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,627	1,706	PSI
(B) First Initial Flow Pressure	66	63	PSI
(C) First Final Flow Pressure	120	127	PSI
(D) Initial Closed-in Pressure	1,024	1,036	PSI
(E) Second Initial Flow Pressure	154	160	PSI
(F) Second Final Flow Pressure	197	203	PSI
(G) Final Closed-in Pressure	1,024	1,028	PSI
(H) Final Hydrostatic Mud	1,606	1,618	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Test Ticket No. 1552
Company A. Scott Ritchie Date 10/28/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone E & F Type of Test Conventional

DST# 3 Interval 3,228 To 3,254 Total Depth 3,254
Open 30 4:40 Shut In 30 5:10 Open 30 5:45 Shut In 30 6:10
Packer(s) Set 4:38 Started off Bottom 6:40
Blow 1st Open: Good to strong blow off bottom of bucket in 4 mins.
2nd Open: Strong, steady blow.

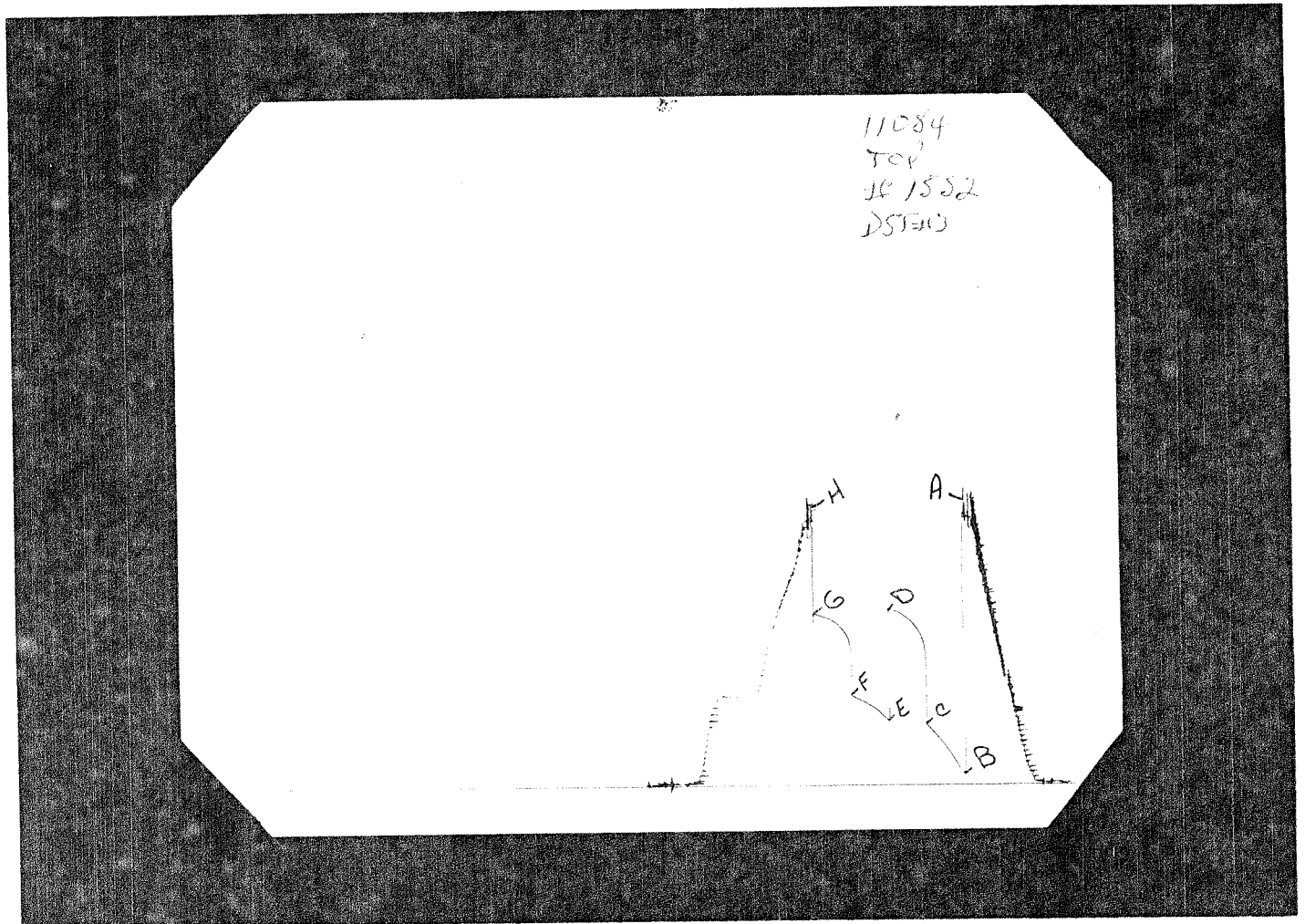
Recovery Total Feet 1,100
Recovered 1,000 Ft. of Salt water
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides 57,000

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,735 Final Hydrostatic Pressure 1,713
Initial Closed In Pressure 1,088 Final Closed In Pressure 1,056
Initial Flow Pressure 77 To 373 Final Flow Pressure 406 To 569
Test Area Temperature 88

Engineering Date
Elevation 2,003 K.B.
Mud Viscosity 45 Mud Weight 9.4 Water Loss 8
Chlorides 4,200 P.P.M. Type of Mud Chemical Anchor Length 26'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,312 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. Bottom Packer Depth. 3,228 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out Yes
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment Circulating Sub.
Remarks Reversed out 1,100' salt water.

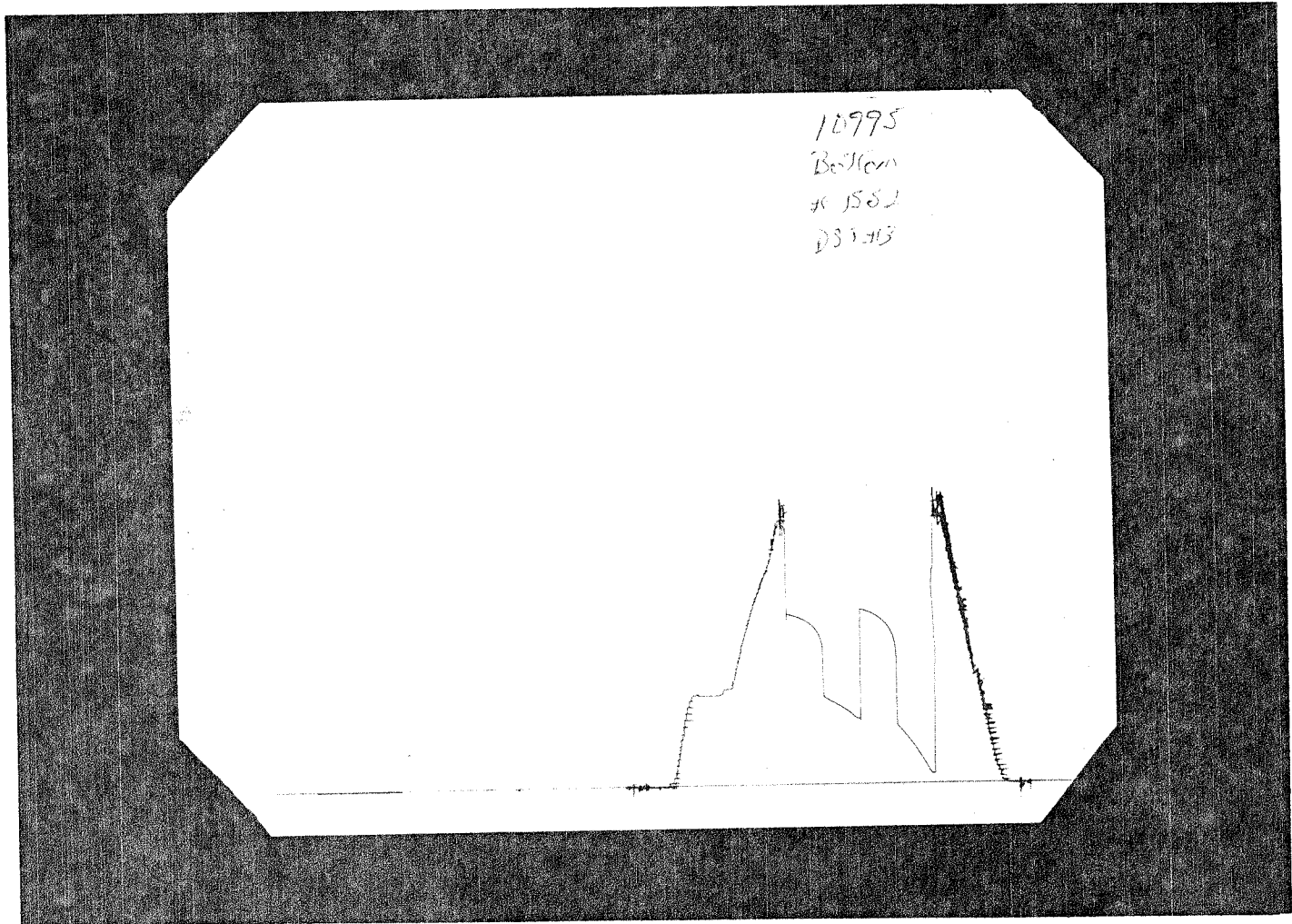
Open Hole Test. Thank You.

Price of Job \$690.00



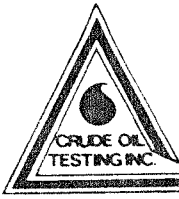
This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,735	1,752	PSI
(B) First Initial Flow Pressure	77	65	PSI
(C) First Final Flow Pressure	373	379	PSI
(D) Initial Closed-in Pressure	1,088	1,088	PSI
(E) Second Initial Flow Pressure	406	410	PSI
(F) Second Final Flow Pressure	569	556	PSI
(G) Final Closed-in Pressure	1,056	1,060	PSI
(H) Final Hydrostatic Mud	1,713	1,717	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Test Ticket No. 1553
Company A. Scott Ritchie Date 10/29/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone H & I Type of Test Conventional

DST# 4 Interval 3,264 To 3,328 Total Depth 3,328
Open 30 3:30 Shut In 45 4:00 Open 30 4:45 Shut In 45 5:15
Packer(s) Set 3:28 Started off Bottom 6:00 P.M. XXXX
Blow 1st Open: Weak, steady blow to 1-1/2" in bucket.
2nd Open: Weak blow to 1/2" in bucket.

Recovery Total Feet 75
Recovered 15 Ft. of Heavy, oil-cut mud 30% Oil 10% Water 60% Mud
Recovered 60 Ft. of Slightly oil-cut mud 5% Oil 95% Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 26,000

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,735 Final Hydrostatic Pressure 1,713
Initial Closed In Pressure 1,045 Final Closed In Pressure 991
Initial Flow Pressure 77 To 81 Final Flow Pressure 88 To 88
Test Area Temperature 90

Engineering Date
Elevation 2,003 K.B.
Mud Viscosity 48 Mud Weight 9.6 Water Loss 8
Chlorides 5,100 P.P.M. Type of Mud Chemical Anchor Length 64'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,348 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. _____ Bottom Packer Depth. 3,264 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment None.
Remarks Open Hole Test. Thank You.

Price of Job \$660.00

CRUDE OIL TESTING COMPANY

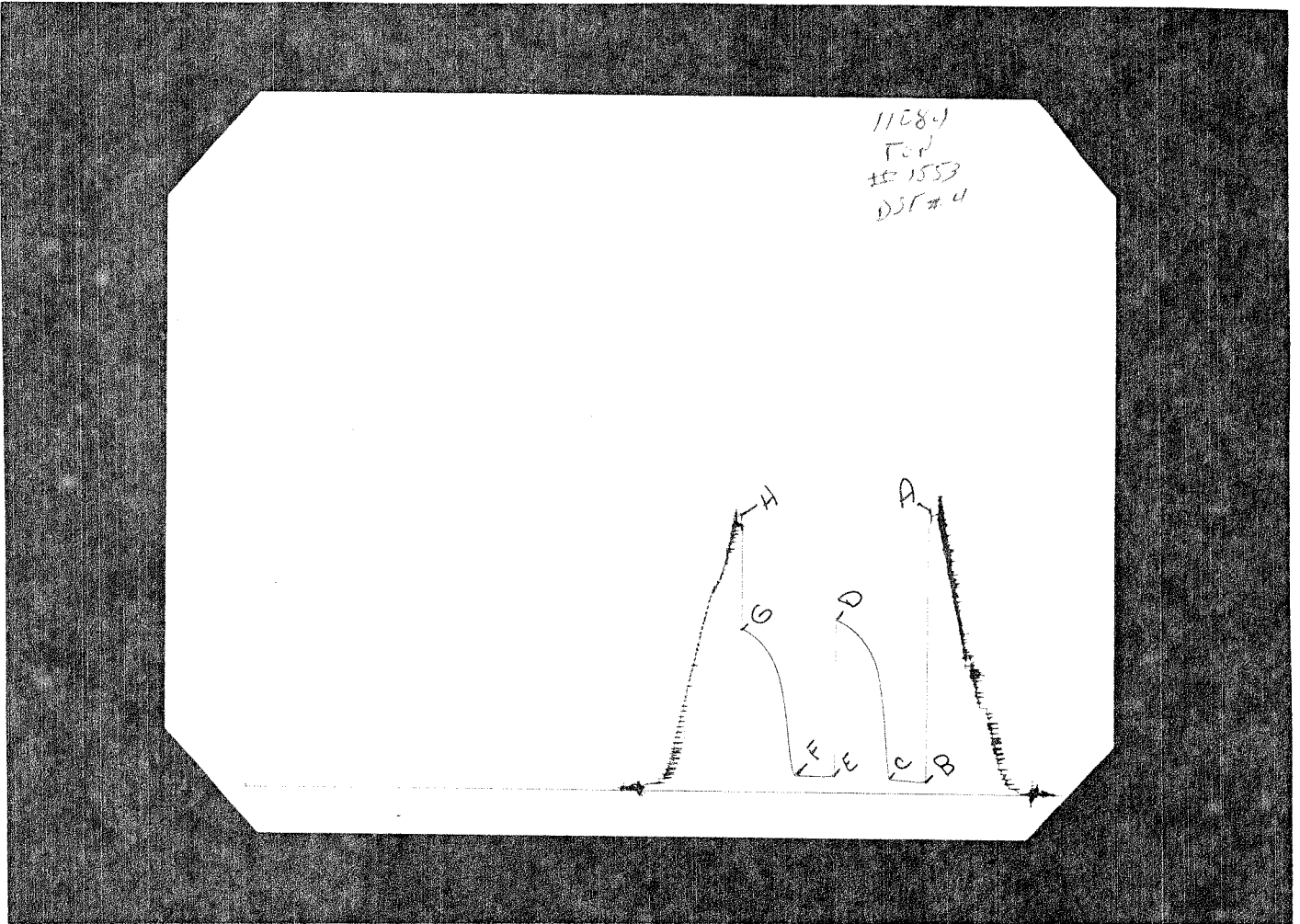
P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date 10/29/81 Test Ticket No. 1553
Recorder No. Kuster AK-1 11084 Capacity 4,300 PSI Location 3,318 Ft.
Clock No. 29334 Elevation 2,003 K.B. Well Temperature 90 °F

Point	Pressure		Field Time	Time Computed
A Initial Hydrostatic Mud	<u>1,734</u> P.S.I.	Open Tool	<u>3:30</u> P M	
B First Initial Flow Pressure	<u>70</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u> </u> Mins.
C First Final Flow Pressure	<u>83</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>44</u> Mins.
D Initial Closed-in Pressure	<u>1,060</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u> </u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u> </u> Mins.
F Second Final Flow Pressure	<u>100</u> P.S.I.			
G Final Closed-in Pressure	<u>997</u> P.S.I.			
H Final Hydrostatic Mud	<u>1,698</u> P.S.I.			

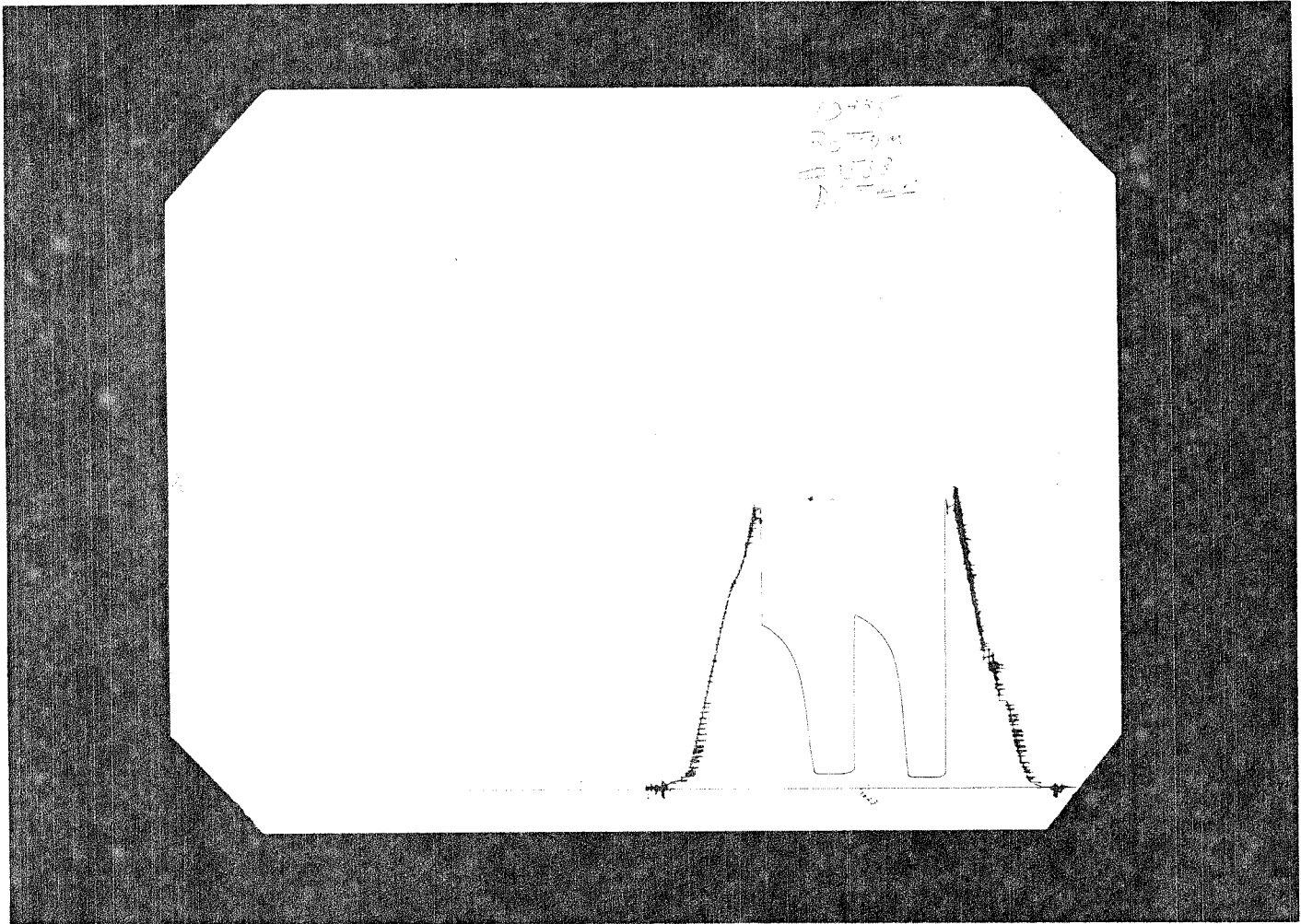
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.	Breakdown: <u>8</u> Inc. of <u>5</u> mins. and a final inc. of <u>4</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>70</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>100</u>
P 2	<u>70</u>	<u>5</u>	<u>504</u>	<u>5</u>	<u>164</u>	<u>5</u>	<u>164</u>
P 3	<u>72</u>	<u>10</u>	<u>746</u>	<u>10</u>	<u>471</u>	<u>10</u>	<u>471</u>
P 4	<u>74</u>	<u>15</u>	<u>850</u>	<u>15</u>	<u>694</u>	<u>15</u>	<u>694</u>
P 5	<u>78</u>	<u>20</u>	<u>911</u>	<u>20</u>	<u>796</u>	<u>20</u>	<u>796</u>
P 6	<u>83</u>	<u>25</u>	<u>958</u>	<u>25</u>	<u>863</u>	<u>25</u>	<u>863</u>
P 7	<u>83</u>	<u>30</u>	<u>995</u>	<u>30</u>	<u>913</u>	<u>30</u>	<u>913</u>
P 8		<u>35</u>	<u>1,023</u>		<u>945</u>	<u>35</u>	<u>945</u>
P 9		<u>40</u>	<u>1,045</u>		<u>974</u>	<u>40</u>	<u>974</u>
P 10		<u>44</u>	<u>1,060</u>		<u>997</u>	<u>45</u>	<u>997</u>
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							



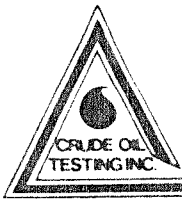
This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,735	1,734	PSI
(B) First Initial Flow Pressure	77	70	PSI
(C) First Final Flow Pressure	81	83	PSI
(D) Initial Closed-in Pressure	1,045	1,060	PSI
(E) Second Initial Flow Pressure	88	96	PSI
(F) Second Final Flow Pressure	88	100	PSI
(G) Final Closed-in Pressure	991	997	PSI
(H) Final Hydrostatic Mud	1,713	1,698	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Test Ticket No. 1554
Company A. Scott Ritchie Date 10/30/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone J & K Type of Test Conventional

DST# 5 Interval 3,325 To 3,364 Total Depth 3,364
Open _____ Shut In _____ Open _____ Shut In _____
Packer(s) Set _____ A.M. Started off Bottom _____ P.M.
Blow _____

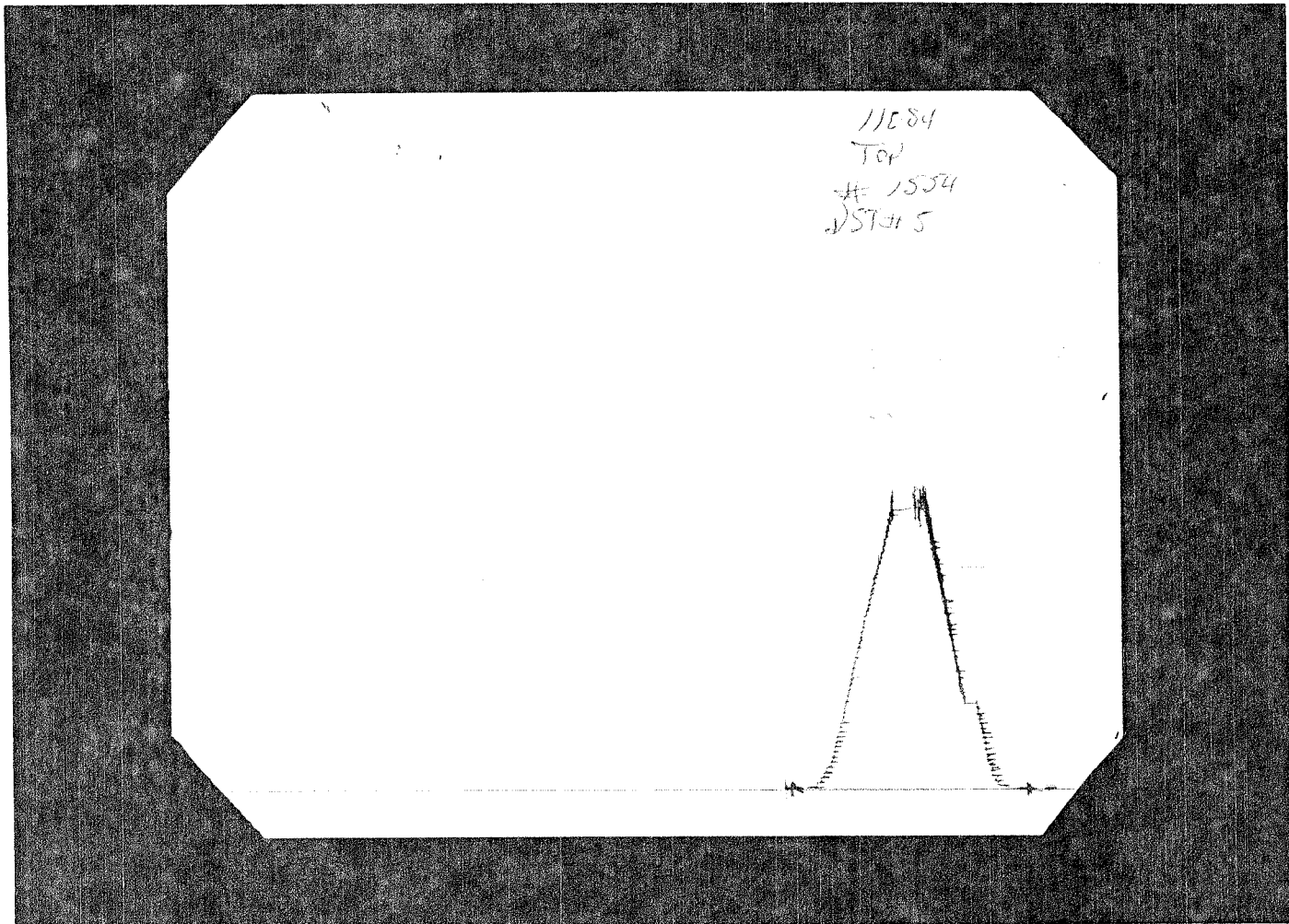
Recovery Total Feet 390
Recovered 390 Ft. of Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure _____ Final Hydrostatic Pressure _____
Initial Closed In Pressure _____ Final Closed In Pressure _____
Initial Flow Pressure _____ To _____ Final Flow Pressure _____ To _____
Test Area Temperature _____
(Office Reading If Applicable)

Engineering Date Elevation 2,003 K.B.
Mud Viscosity 48 Mud Weight 9.6 Water Loss 8
Chlorides 5,100 P.P.M. Type of Mud Chemical Anchor Length 39'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,409 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. _____ Bottom Packer Depth. 3,325 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment None.
Remarks Packer Failure

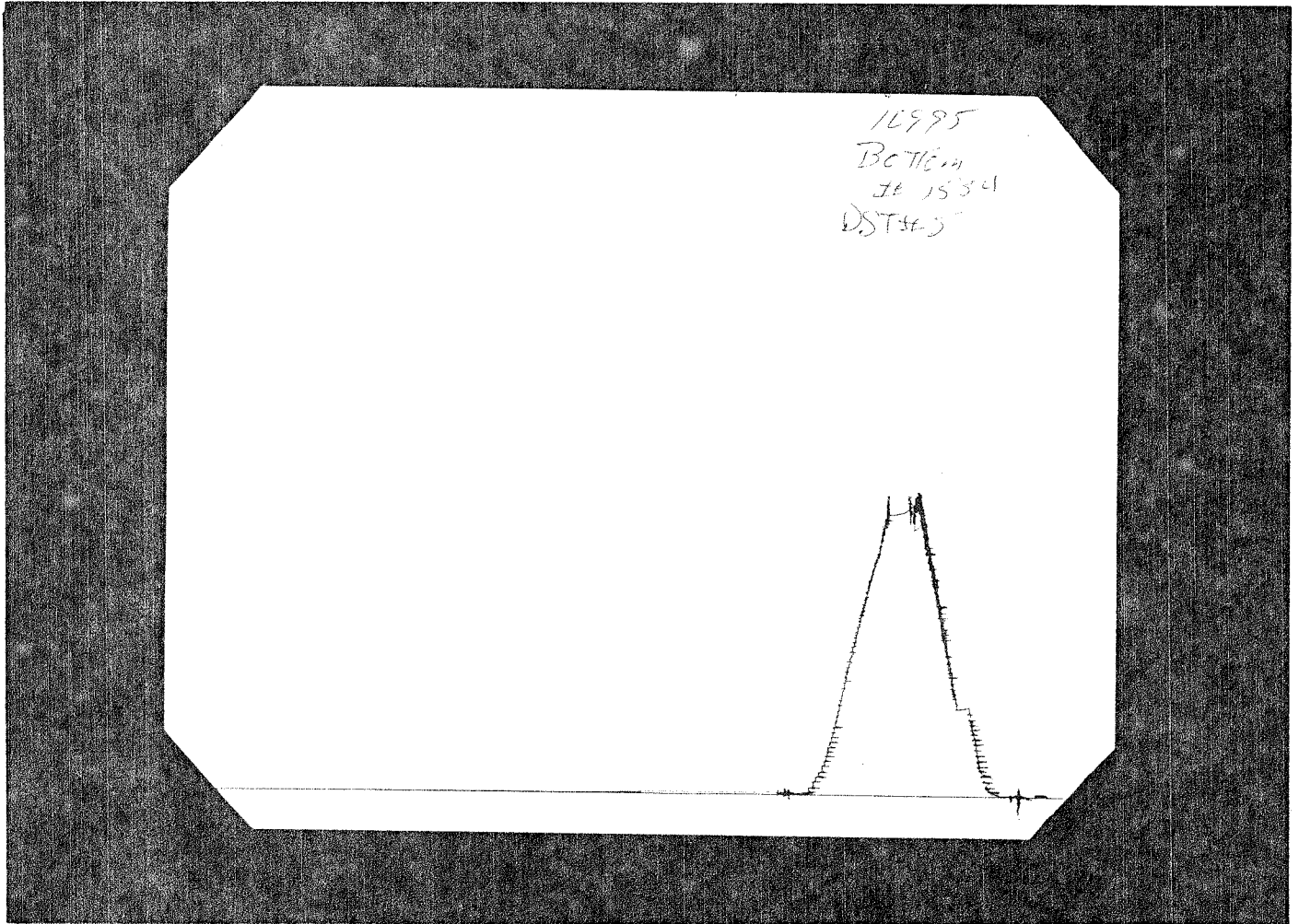
Open Hole Test. Mis-Run.

Price of Job \$350.00



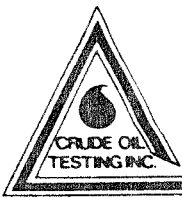
This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Company A. Scott Ritchie Test Ticket No. 1588
Date 10/30/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Lansing Zone J & K Type of Test Conventional

DST# 6 Interval 3,332 To 3,364 Total Depth 3,364
Open 60 11:20 Shut In 30 11:20 Open 30 11:50 Shut In 30 12:20
Packer(s) Set 10:18 Started off Bottom 12:50
Blow 1st Open: Weak blow. Died in 3 mins.
2nd Open: No blow.

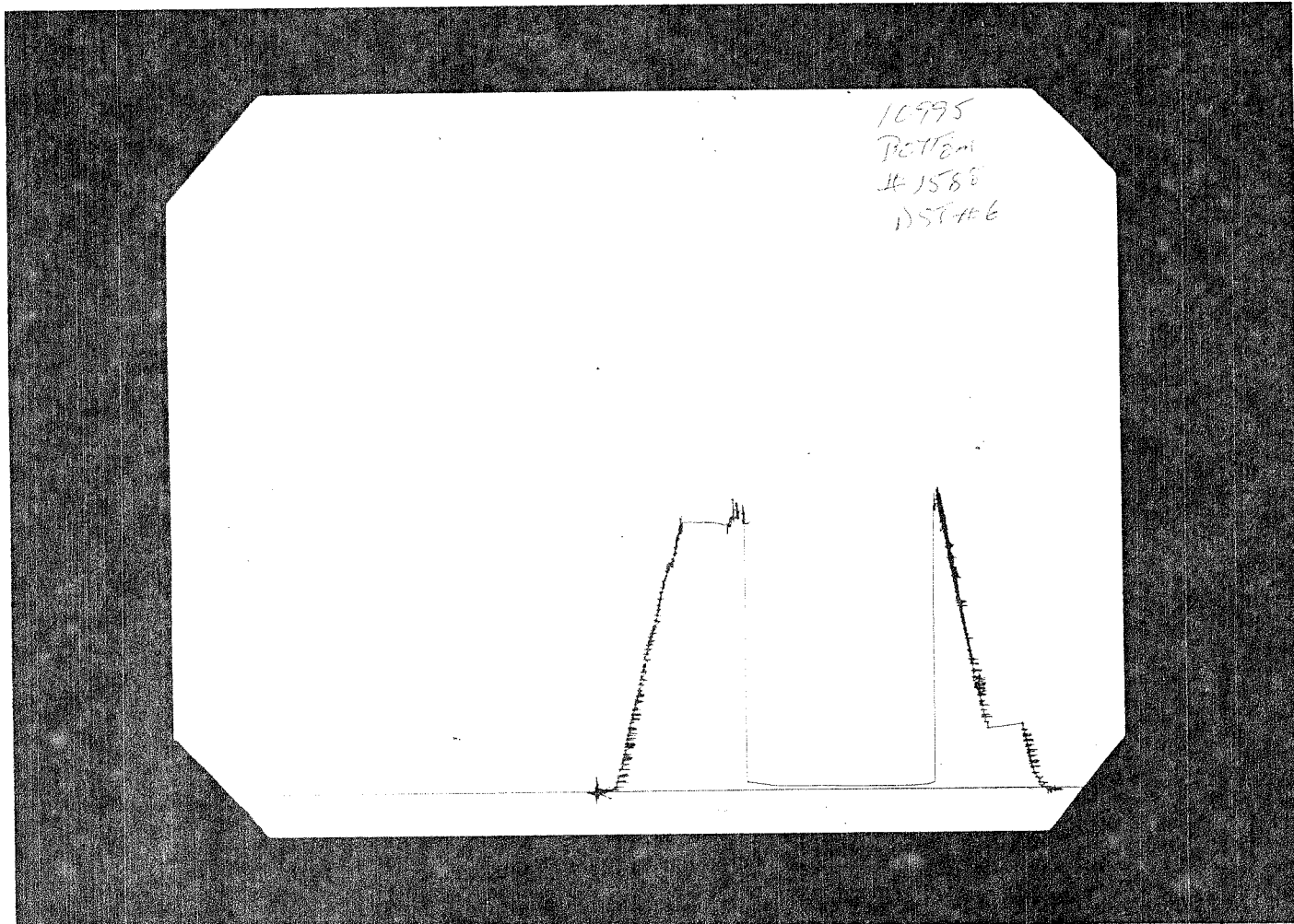
Recovery Total Feet 5
Recovered 2 Ft. of Clean Oil
Recovered 3 Ft. of Oil-cut mud
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides

Pressures & Temp. Initial Hydrostatic Pressure 1,766 Final Hydrostatic Pressure 1,744
Initial Closed In Pressure 34 Final Closed In Pressure 43
Initial Flow Pressure 33 To 33 Final Flow Pressure 33 To 33
Test Area Temperature 91
(Office Reading if Applicable)

Engineering Date Elevation 2,003 K.B.
Mud Viscosity 43 Mud Weight 9.6 Water Loss 8
Chlorides 5,100 P.P.M. Type of Mud Chemical Anchor Length 32'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,407 I.D. 3.8 In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. Bottom Packer Depth. 3,323 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment None.
Remarks Read Bottom Chart. Top clock stopped on 1st flow.

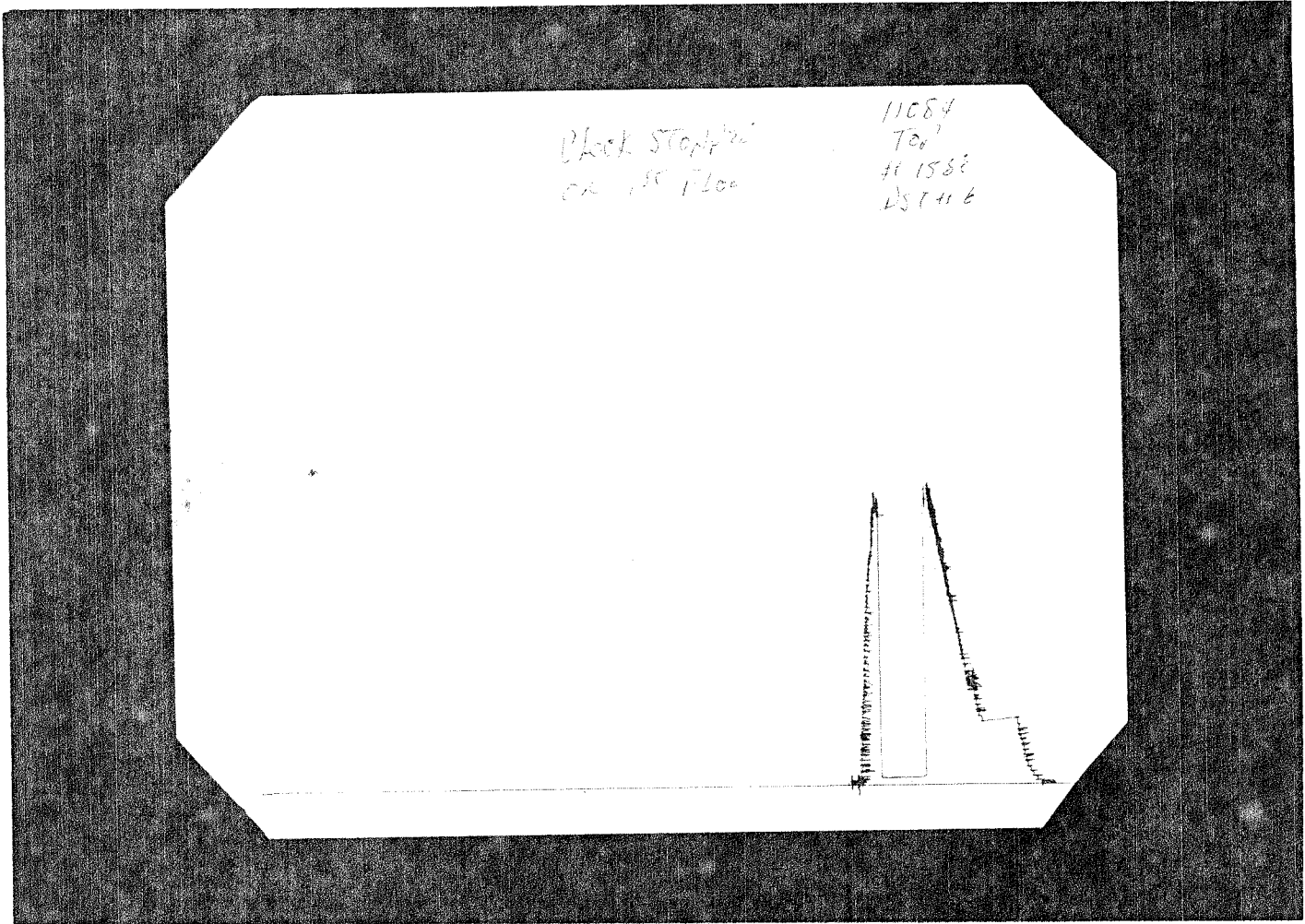
Open Hole Test. Thank You.

Price of Job \$660.00



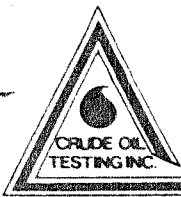
This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,766		PSI
(B) First Initial Flow Pressure	33		PSI
(C) First Final Flow Pressure	33		PSI
(D) Initial Closed-in Pressure	34		PSI
(E) Second Initial Flow Pressure	33		PSI
(F) Second Final Flow Pressure	33		PSI
(G) Final Closed-in Pressure	43		PSI
(H) Final Hydrostatic Mud	1,744		PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	PSI
(B) First Initial Flow Pressure	PSI
(C) First Final Flow Pressure	PSI
(D) Initial Closed-in Pressure	PSI
(E) Second Initial Flow Pressure	PSI
(F) Second Final Flow Pressure	PSI
(G) Final Closed-in Pressure	PSI
(H) Final Hydrostatic Mud	PSI



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Company A. Scott Ritchie Test Ticket No. 1589
Date 10/31/81
Company Address 125 N. Market, Wichita, KS No. of Charts 5
Location: Sec. 24 Twp. 4S Rge. 20W Co. Phillips State KS
Well Name And Number Becker #1 Tester Bud O'Dell
Contractor Murfin Drlg. Rig No. #8 Co. Rep. Jeff Christian

Formation Arbuckle Zone _____ Type of Test Conventional

DST# 7 Interval 3,452 To 3,460 Total Depth 3,460
Open 45 8:00 Shut In 45 8:45 Open 45 9:30 Shut In 45 10:15
Packer(s) Set 7:58 Started off Bottom 11:00
Blow Weak, steady blow to 2-1/2" in bucket on both openings.

Recovery Total Feet 125
Recovered 125 Ft. of Heavy, oil-cut mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of Sample #1 28% Mud 15% Water 57% Oil
Recovered _____ Ft. of Sample #2 42% Mud 18% Water 40% Oil
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 21,000

Pressures & Temp. Initial Hydrostatic Pressure 1,821 Final Hydrostatic Pressure 1,800
Initial Closed In Pressure 926 Final Closed In Pressure 905
Initial Flow Pressure 33 To 55 Final Flow Pressure 68 To 70
Test Area Temperature 94
(Office Reading If Applicable)

Engineering Date Elevation 2,003 K.B.
Mud Viscosity 43 Mud Weight 9.7 Water Loss 8
Chlorides 4,500 P.P.M. Type of Mud Chemical Anchor Length 8'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length _____ I.D. _____ In. Weight Pipe Length 730 I.D. 2.76 In.
Drill Collar Length 186 I.D. 2.25 In.
Top Packer Depth. 3,447 Bottom Packer Depth. 3,452 Packer Size 6-3/4 x 15
Test Tool Size 5-1/2 In. Tool Joint Size 4-1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 11084 Clock Range No. 23934 12 Hr.
Recorder Type and No. AK-1 10995 Clock Range No. 23838 12 Hr.
Extra Equipment None.
Remarks Open Hole Test. Thank You.

Price of Job \$660.00

CRUDE OIL TESTING COMPANY

P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date 10/31/81 Test Ticket No. 1589

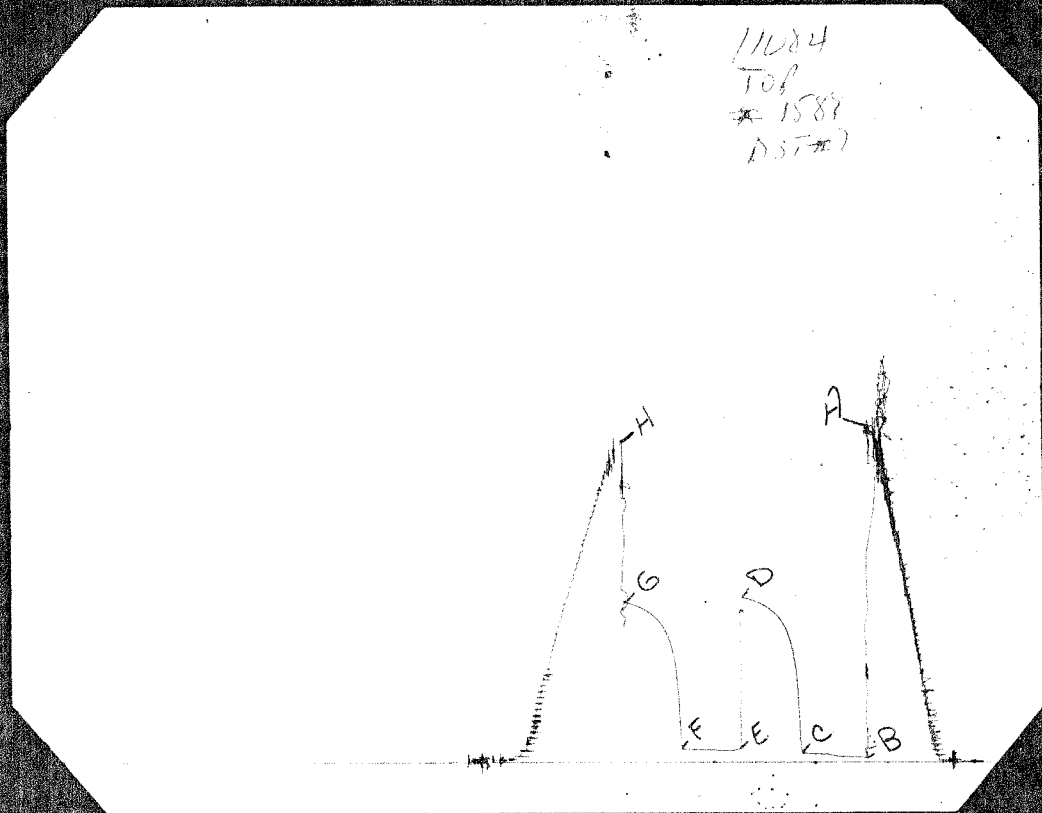
Recorder No. Kuster AK-1 11084 Capacity 4,300 PSI Location 3,450 Ft.

Clock No. 23934 Elevation 2,003 K.B. Well Temperature 94 °F

Point	Pressure		Open Tool	Field Time		Time Computed
		P.S.I.				
A Initial Hydrostatic Mud	<u>1,885</u>	<u>P.S.I.</u>	<u>Open Tool</u>	<u>8:00</u>	<u>A M</u>	
B First Initial Flow Pressure	<u>26</u>	<u>P.S.I.</u>	<u>First Flow Pressure</u>	<u>45</u>	<u>Mins.</u>	<u>47</u> Mins.
C First Final Flow Pressure	<u>50</u>	<u>P.S.I.</u>	<u>Initial Closed-in Pressure</u>	<u>45</u>	<u>Mins.</u>	<u> </u> Mins.
D Initial Closed-in Pressure	<u>930</u>	<u>P.S.I.</u>	<u>Second Flow Pressure</u>	<u>45</u>	<u>Mins.</u>	<u> </u> Mins.
E Second Initial Flow Pressure	<u>70</u>	<u>P.S.I.</u>	<u>Final Closed-in Pressure</u>	<u>45</u>	<u>Mins.</u>	<u>43</u> Mins.
F Second Final Flow Pressure	<u>76</u>	<u>P.S.I.</u>				
G Final Closed-in Pressure	<u>911</u>	<u>P.S.I.</u>				
H Final Hydrostatic Mud	<u>1,806</u>	<u>P.S.I.</u>				

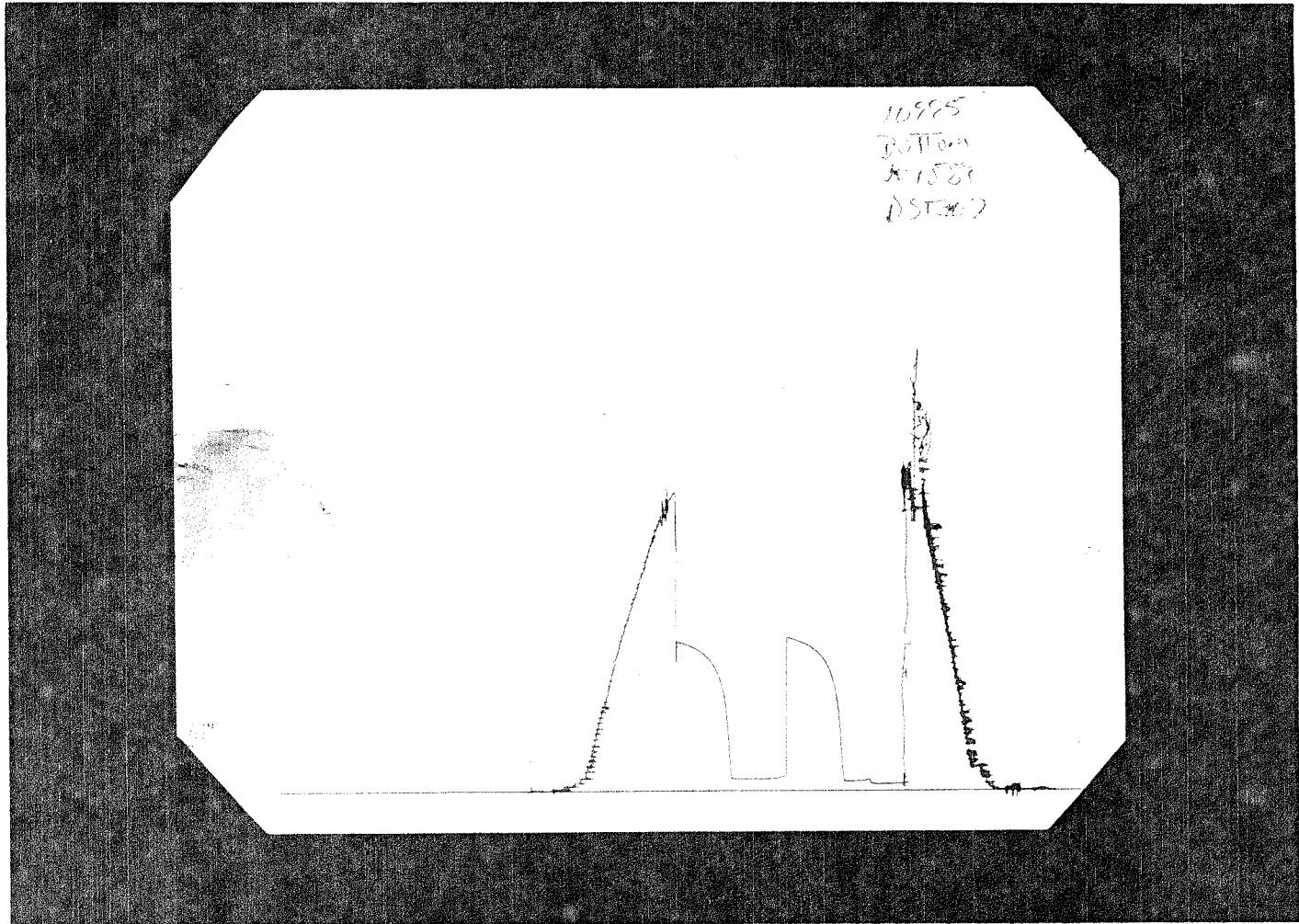
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown:		Initial Shut-In Breakdown:		Second Flow Pressure Breakdown:		Final Shut-In Breakdown:	
	Inc.	of	Inc.	of	Inc.	of	Inc.	of
	<u>9</u>	<u>5</u> mins. and a	<u>9</u>	<u>5</u> mins. and a	<u>9</u>	<u>5</u> mins. and a	<u>8</u>	<u>5</u> mins. and a
	<u>2</u> Min.	final inc. of	<u> </u> Min.	final inc. of	<u> </u> Min.	final inc. of	<u>3</u> Min.	final inc. of
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u> <u>26</u>	<u>0</u> <u>50</u>	<u>0</u> <u>70</u>	<u>0</u> <u>76</u>				
P 2	<u>5</u> <u>26</u>	<u>5</u> <u>530</u>	<u>5</u> <u>70</u>	<u>5</u> <u>595</u>				
P 3	<u>10</u> <u>26</u>	<u>10</u> <u>705</u>	<u>10</u> <u>70</u>	<u>10</u> <u>720</u>				
P 4	<u>15</u> <u>32</u>	<u>15</u> <u>790</u>	<u>15</u> <u>70</u>	<u>15</u> <u>785</u>				
P 5	<u>20</u> <u>32</u>	<u>20</u> <u>835</u>	<u>20</u> <u>70</u>	<u>20</u> <u>826</u>				
P 6	<u>25</u> <u>37</u>	<u>25</u> <u>867</u>	<u>25</u> <u>70</u>	<u>25</u> <u>854</u>				
P 7	<u>30</u> <u>46</u>	<u>30</u> <u>891</u>	<u>30</u> <u>70</u>	<u>30</u> <u>876</u>				
P 8	<u>35</u> <u>48</u>	<u>35</u> <u>909</u>	<u>35</u> <u>70</u>	<u>35</u> <u>893</u>				
P 9	<u>40</u> <u>48</u>	<u>40</u> <u>922</u>	<u>40</u> <u>76</u>	<u>40</u> <u>902</u>				
P 10	<u>45</u> <u>50</u>	<u>45</u> <u>930</u>	<u>45</u> <u>76</u>	<u>43</u> <u>911</u>				
P 11	<u>47</u> <u>50</u>							
P 12								
P 13								
P 14								
P 15								
P 16								
P 17								
P 18								
P 19								
P 20								



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,821	1,885	PSI
(B) First Initial Flow Pressure	33	26	PSI
(C) First Final Flow Pressure	55	50	PSI
(D) Initial Closed-in Pressure	926	930	PSI
(E) Second Initial Flow Pressure	68	70	PSI
(F) Second Final Flow Pressure	70	76	PSI
(G) Final Closed-in Pressure	905	911	PSI
(H) Final Hydrostatic Mud	1,800	1,806	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud			PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI