TEST REPORT

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

CRUDE OIL TESTING INC.

Test Ticket No. 172

Company Kansas Oil Corp. Date 1/20/80

Company Address 555 N. Woodlawn, Wichita, KS 67208 No. of Charts 5

Location: Sec. 29 Twp. 11 Rge. 22 Co. Trego State Kansas

Well Name And Number Nilhas #2 Tester Bud O'Dell

Contractor Abercrombie Rig No. 8 Co. Rep. Charles Shank

Formation Toronto Zone _____ Type of Test Conventional

DST# 1

Interval 3,592 To 3,628 Total Depth 3,628

Open 30- 1:45 Shut IN 30 - 2:15 Open 30 - 2:45 Shut In 30 - 3:15

Packer(s) Set 1:43 A.M. P.M. Started off Bottom 3:45 A.M. P.M.

Blow Weak Blow Died in 12 Min. - 2nd, Open No Blow

Recovery

Total Feet 3

Recovered 3 Ft. of Drilling Mud

Recovered _____ Ft. of _____

Recovered _____ Ft. of _____

Recovered _____ Ft. of _____

Gravity (Oil) _____ Corrected To Temp. _____

Water Chlorides _____

Pressures & Temp. (Office Reading If Applicable)

Initial Hydrostatic Pressure 1,895 Final Hydrostatic Pressure 1,874

Initial Closed In Pressure 33 Final Closed In Pressure 33

Initial Flow Pressure 22 To 22 Final Flow Pressure 22 To 22

Test Area Temperature 110

Engineering Date

Elevation 2,363 K.B.

Mud Viscosity 46 Mud Weight 9.4 Water Loss 10

Chlorides 55,000 P.P.M. Type of Mud Starch

Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 36

Drill Pipe Length 2,820 I.D. 3.8 In. Weight Pipe Length 591 I.D. 2.76 In.

Drill Collar Length 189 I.D. 2.25 In.

Surface Choke 3/4 Bottom Choke 3/4

Top Packer Depth. 3,587 Bottom Packer Depth. 3,592 Packer Size 6 3/4

Test Tool Size 5½ In. Tool Joint Size 4½FH & XH In.

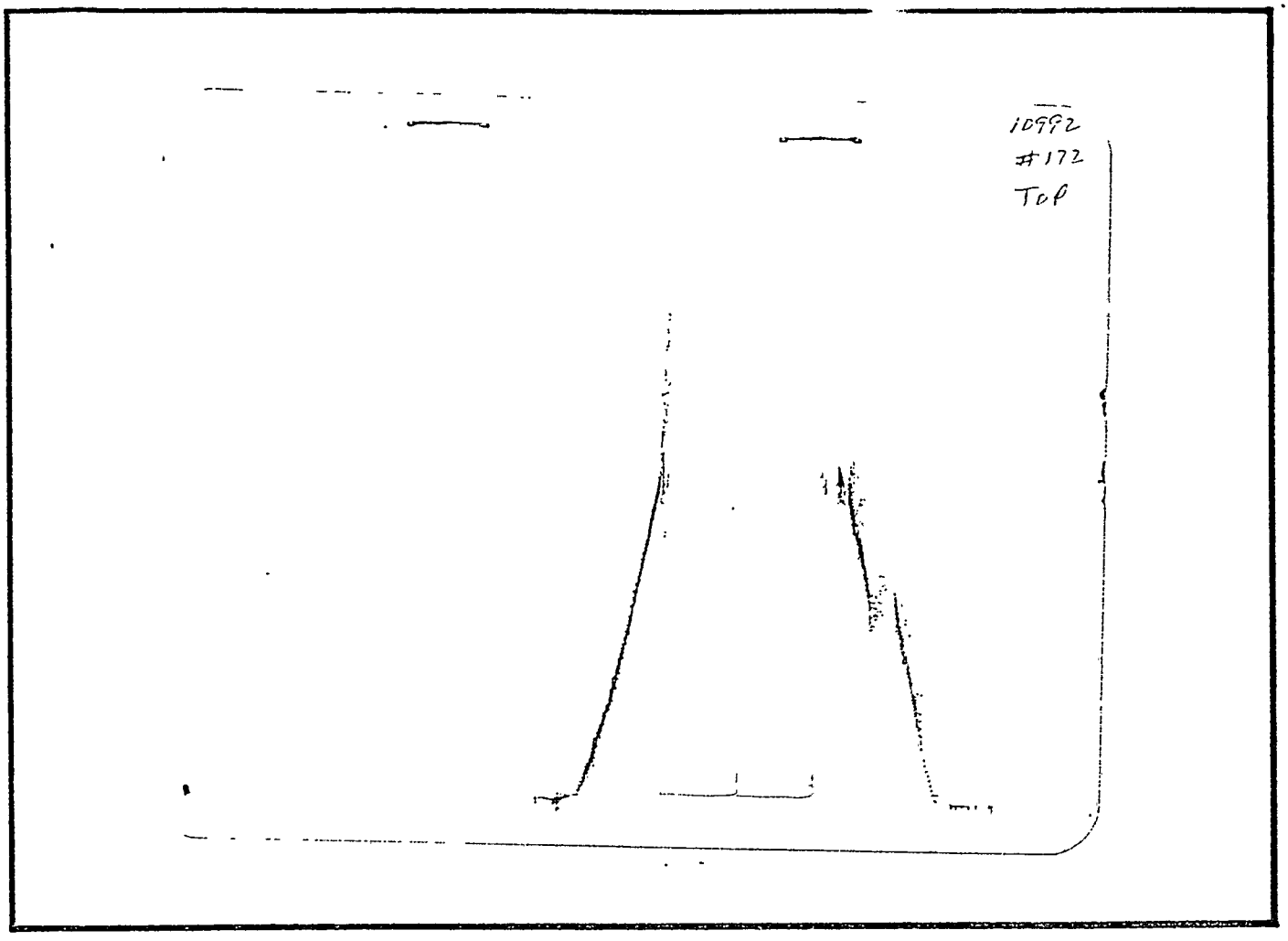
Did Well Flow No Reversed Out No

Recorder Type and No. Kuster 10992 Clock Range 12 Hr. No. 14074

Recorder Type and No. Kuster 10993 Clock Range 12 Hr. No. 22337

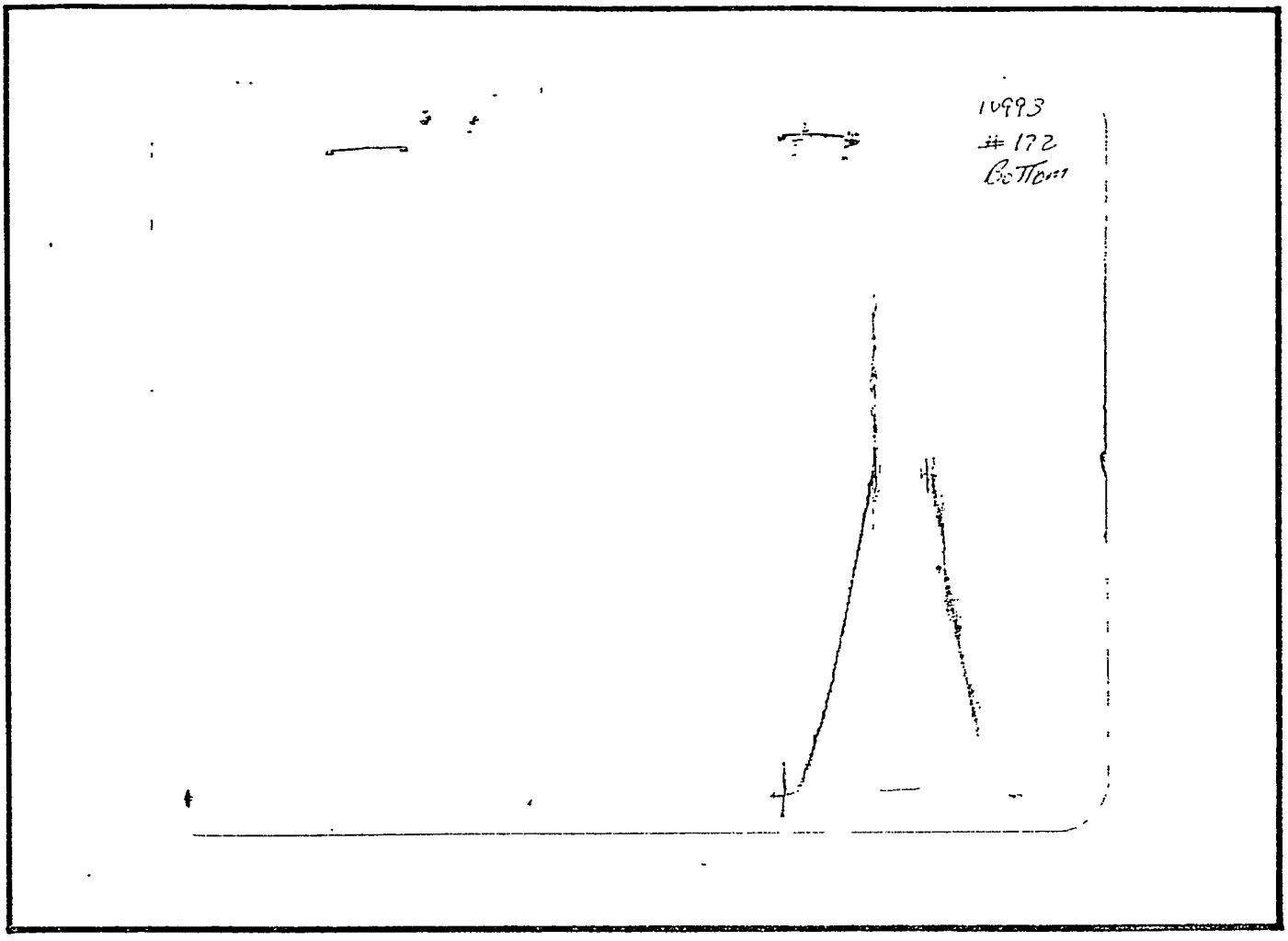
Extra Equipment None

Remarks Thank you! (Bottom Clock Stopped While on Bottom)



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,895		PSI
(B)	First Initial Flow Pressure	22		PSI
(C)	First Final Flow Pressure	22		PSI
(D)	Initial Closed-in Pressure	33		PSI
(E)	Second Initial Flow Pressure	22		PSI
(F)	Second Final Flow Pressure	22		PSI
(G)	Final Closed-in Pressure	33		PSI
(H)	Final Hydrostatic Mud	1,874		PSI



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POINT		PRESSURE 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

CRUDE OIL TESTING INC.
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Colorado Springs, CO 80901

Test Ticket No. 173

Company Kansas Oil Corp. Date 1/21/80
Company Address 555 N. Woodlawn, Wichita, KS 67208 No. of Charts 5
Location: Sec. 29 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Nilhas #2 Tester Bud O'Dell
Contractor Abercrombie Rig No. 8 Co. Rep. Charles Shank

Formation Lansing Zone _____ Type of Test Conventional

DST# 2 Interval 3,625 To 3,644 Total Depth 3,644
Open 30 - 3:00 Shut IN 30 - 3:30 Open 30 - 4:00 Shut In 30 - 4:30
Packer(s) Set 2:59 A.M. P.M. Started off Bottom 5:00 A.M. P.M.
Blow Weak Blow Died in 12 Min. - 2nd Open Weak Blow Died in 10 Min.

Recovery
Total Feet 30
Recovered 30 Ft. of Drilling Mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides _____

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,981 Final Hydrostatic Pressure 1,959
Initial Closed In Pressure 987 Final Closed In Pressure 921
Initial Flow Pressure 44 To 44 Final Flow Pressure 55 To 55
Test Area Temperature 110

Engineering Date
Elevation 2,363 K.B.
Mud Viscosity 46 Mud Weight 10.1 Water Loss 10
Chlorides 55,000 P.P.M. Type of Mud Starch
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 19
Drill Pipe Length 2,951 I.D. 3.8 In. Weight Pipe Length 591 I.D. 2.76 In.
Drill Collar Length 189 I.D. 2.25 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,620 Bottom Packer Depth. 3,625 Packer Size 6 3/4
Test Tool Size 5½ In. Tool Joint Size 4½FH &XH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10992 Clock Range 12 Hr. No. 14074
Recorder Type and No. Kuster 10993 Clock Range 12 Hr. No. 22337
Extra Equipment None
Remarks Thank you!

TEST REPORT

(303) 473-6909
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CRUDE OIL TESTING INC.

Test Ticket No. 174

Company Kansas Oil Corp. Date 1/22/80
Company Address 555 N. Woodlawn, Wichita, KS 67208 No. of Charts 5
Location: Sec. 29 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Nilhas #2 Tester Bud O'Dell
Contractor Abercrombie Rig No. 8 Co. Rep. Charles Shank

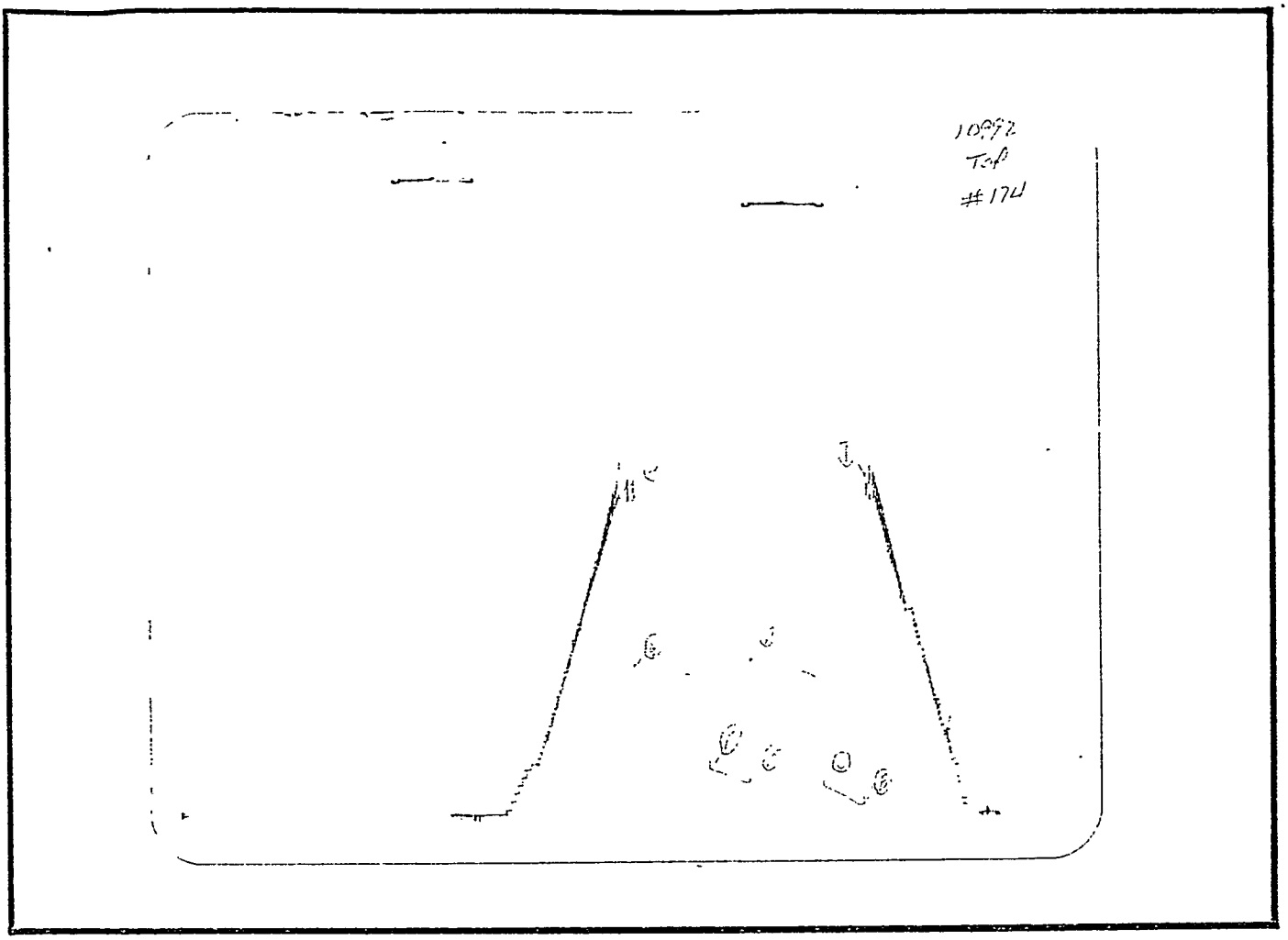
Formation Lansing Zone _____ Type of Test Conventional

DST# 3
Interval 3,657 To 3,700 Total Depth 3,700
Open 30 - 12:00 Shut IN 60 - 12:30 Open 30 - 1:30 Shut In 60 - 2:00
Packer(s) Set 11:58 ~~A.M.~~ P.M. Started off Bottom 3:00 ~~A.M.~~ P.M.
Blow Weak Increasing to Fair Steady Blow

Recovery
Total Feet 485
Recovered 485 Ft. of Muddy Salt Water
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____
Water Chlorides 130,000 P.P.M.

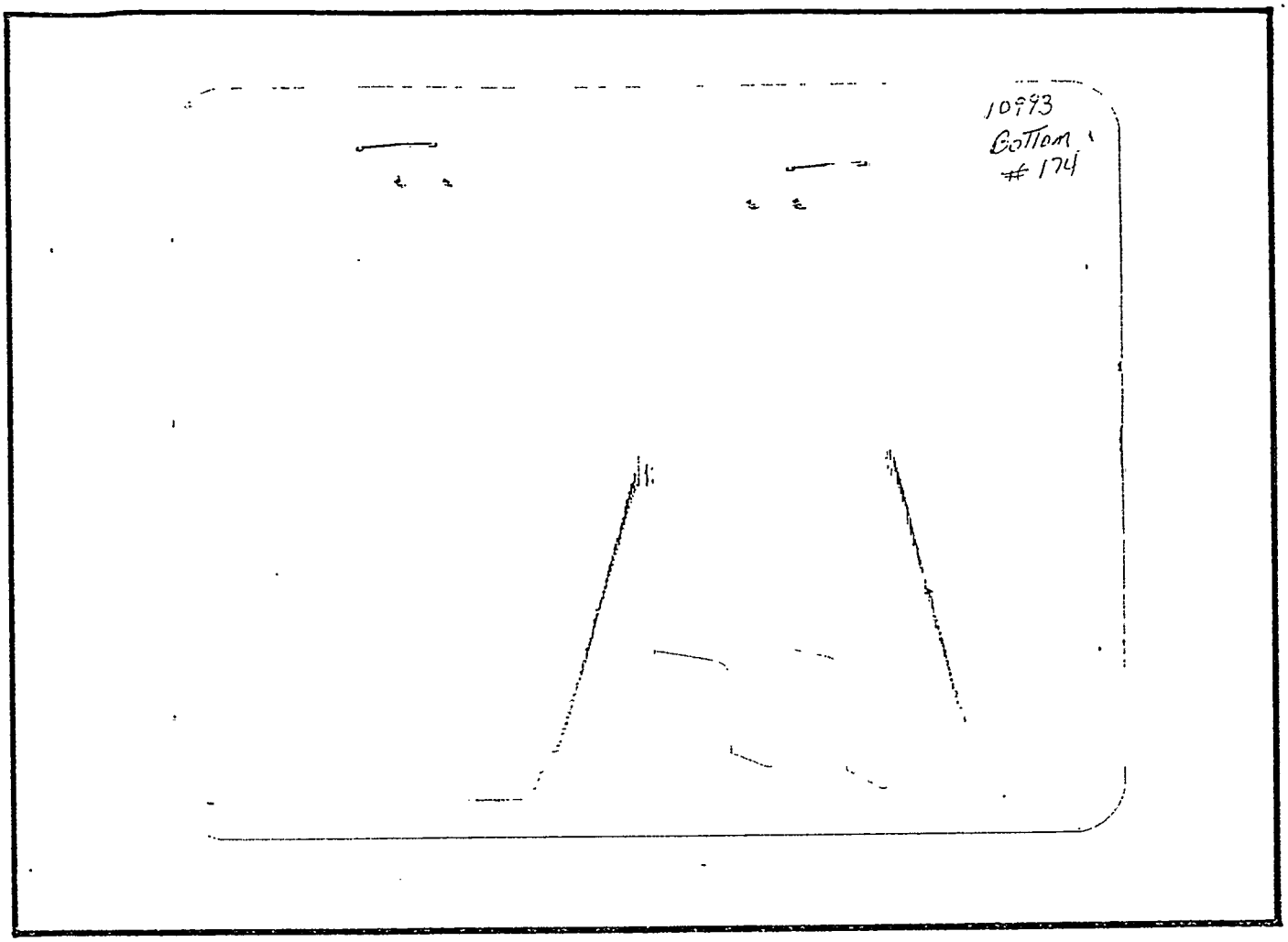
Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 2,076 Final Hydrostatic Pressure 2,055
Initial Closed In Pressure 944 Final Closed In Pressure 912
Initial Flow Pressure 76 To 175 Final Flow Pressure 207 To 284
Test Area Temperature 114

Engineering Date
Elevation 2,363 K.B.
Mud Viscosity 47 Mud Weight 9.7 Water Loss 11.0
Chlorides 54,000 P.P.M. Type of Mud Starch
Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 43
Drill Pipe Length 2,913 I.D. 3.8 In. Weight Pipe Length 591 I.D. 2.76 In.
Drill Collar Length 189 I.D. 2.25 In.
Surface Choke 3/4 Bottom Choke 3/4
Top Packer Depth. 3,652 Bottom Packer Depth. 3,657 Packer Size 6 3/4
Test Tool Size 5½ In. Tool Joint Size 4½FH & XH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10992 Clock Range 12 Hr. No. 14074
Recorder Type and No. Kuster 10993 Clock Range 12 Hr. No. 22337
Extra Equipment None
Remarks Thank you!



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2,076	2,052	PSI
(B)	First Initial Flow Pressure	76	65	PSI
(C)	First Final Flow Pressure	175	174	PSI
(D)	Initial Closed-in Pressure	944	956	PSI
(E)	Second Initial Flow Pressure	207	204	PSI
(F)	Second Final Flow Pressure	284	287	PSI
(G)	Final Closed-in Pressure	912	916	PSI
(H)	Final Hydrostatic Mud	2,055	1,010	PSI



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POINT		PRESSURE 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

CRUDE OIL TESTING COMPANY

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

Date 1/22/80 Test Ticket No. 174

Recorder No. Kuster AK-1 10992 Capacity 4,250 P.S.I. Location 3,692 Ft.

Clock No. 14074 Elevation 2,363 K.B. Well Temperature 114 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2,052	P.S.I.
B	First Initial Flow Pressure	65	P.S.I.
C	First Final Flow Pressure	174	P.S.I.
D	Initial Closed-in Pressure	956	P.S.I.
E	Second Initial Flow Pressure	204	P.S.I.
F	Second Final Flow Pressure	287	P.S.I.
G	Final Closed-in Pressure	916	P.S.I.
H	Final Hydrostatic Mud	1,010	P.S.I.

	Field Time	Time Computed
Open Tool	12:00 PM	
First Flow Pressure	30 Mins.	Mins.
Initial Closed-in Pressure	60 Mins.	Mins.
Second Flow Pressure	30 Mins.	Mins.
Final Closed-in Pressure	60 Mins.	Mins.

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 12 Inc.	Breakdown: 6 Inc.	Breakdown: 12 Inc.
of 5 mins. and a	of 5 mins. and a	of 5 mins. and a	of 5 mins. and a
final inc. of ____ Min.	final inc. of ____ Min.	final inc. of ____ Min.	final inc. of ____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	65	00	174	00	204	00	287
P 2 05	72	05	823	05	210	05	817
P 3 10	97	10	857	10	228	10	842
P 4 15	120	15	873	15	244	15	856
P 5 20	138	20	884	20	260	20	866
P 6 25	158	25	893	25	273	25	873
P 7 30	174	30	900	30	287	30	881
P 8		35	906			35	888
P 9		40	915			40	893
P10		45	923			45	899
P11		50	935			50	905
P12		55	946			55	911
P13		60	956			60	916
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TEST REPORT

(303) 473-6909
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CRUDE OIL TESTING INC.

Test Ticket No. 175

Company Kansas Oil Corp. Date 1/24/80

Company Address 555 N. Woodlawn, Wichita, KS 67208 No. of Charts 5

Location: Sec. 29 Twp. 11 Rge. 22 Co. Trego State Kansas

Well Name And Number Nilhas #2 Tester Bud O'Dell

Contractor Abercrombie Rig No. 8 Co. Rep. Charles Shank

Formation Marmaton Zone _____ Type of Test Conventional

DST# 4

Interval 3,964 To 4,000 Total Depth 4,000

Open 30 - 4:20 Shut IN 60 - 4:50 Open 30 - 5:50 Shut In 60 - 6:20

Packer(s) Set 4:18 AM PM Started off Bottom 7:20 AM PM

Blow Weak Steady Blow Throughout Test

Recovery

Total Feet 260

Recovered 80 Ft. of Heavy Oil & Gas Cut Mud

Recovered 180 Ft. of Gas in Pipe

Recovered _____ Ft. of (3% Water - 36% Mud- 61% Oil)

Recovered _____ Ft. of _____

Gravity (Oil) _____ Corrected To Temp. _____

Water Chlorides _____

Pressures & Temp. (Office Reading If Applicable)

Initial Hydrostatic Pressure 2,214 Final Hydrostatic Pressure 2,193

Initial Closed In Pressure 1,212 Final Closed In Pressure 1,201

Initial Flow Pressure 55 To 66 Final Flow Pressure 76 To 87

Test Area Temperature 116

Engineering Date

Elevation 2,363 K.B.

Mud Viscosity 60 Mud Weight 9.9 Water Loss 10.0

Chlorides 36,000 P.P.M. Type of Mud Starch

Hole Size 7 7/8 Casing Size 8 5/8 Anchor Length 36

Drill Pipe Length 3,191 I.D. 3.8 In. Weight Pipe Length 591 I.D. 2.76 In.

Drill Collar Length 189 I.D. 2.25 In.

Surface Choke 3/4 Bottom Choke 3/4

Top Packer Depth. 3,959 Bottom Packer Depth. 3,964 Packer Size 6 3/4

Test Tool Size 5½ In. Tool Joint Size 4½FH & XH In.

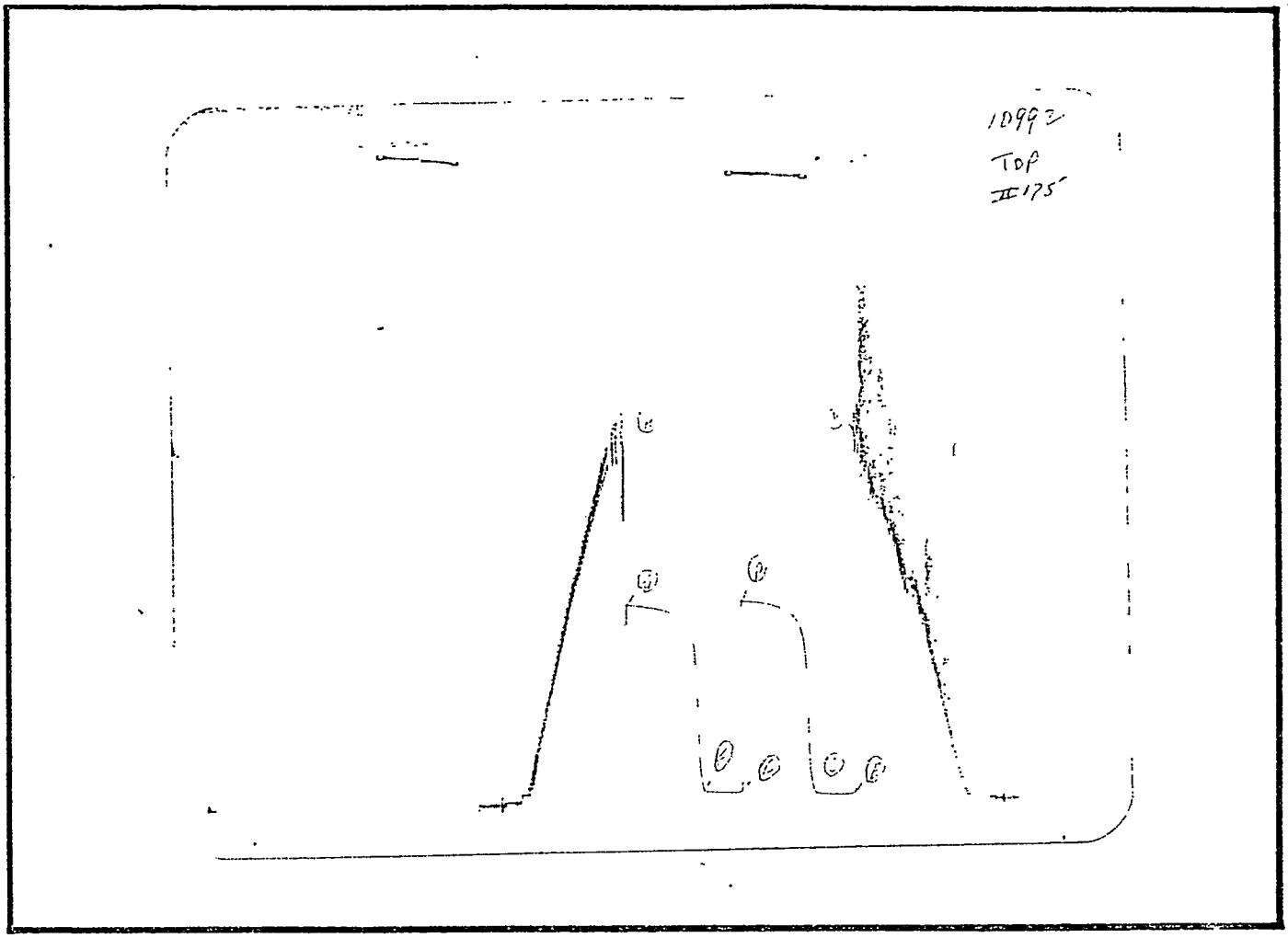
Did Well Flow No Reversed Out No

Recorder Type and No. Kuster 10992 Clock Range 12 Hr. No. 14074

Recorder Type and No. Kuster 10993 Clock Range 12 Hr. No. 22337

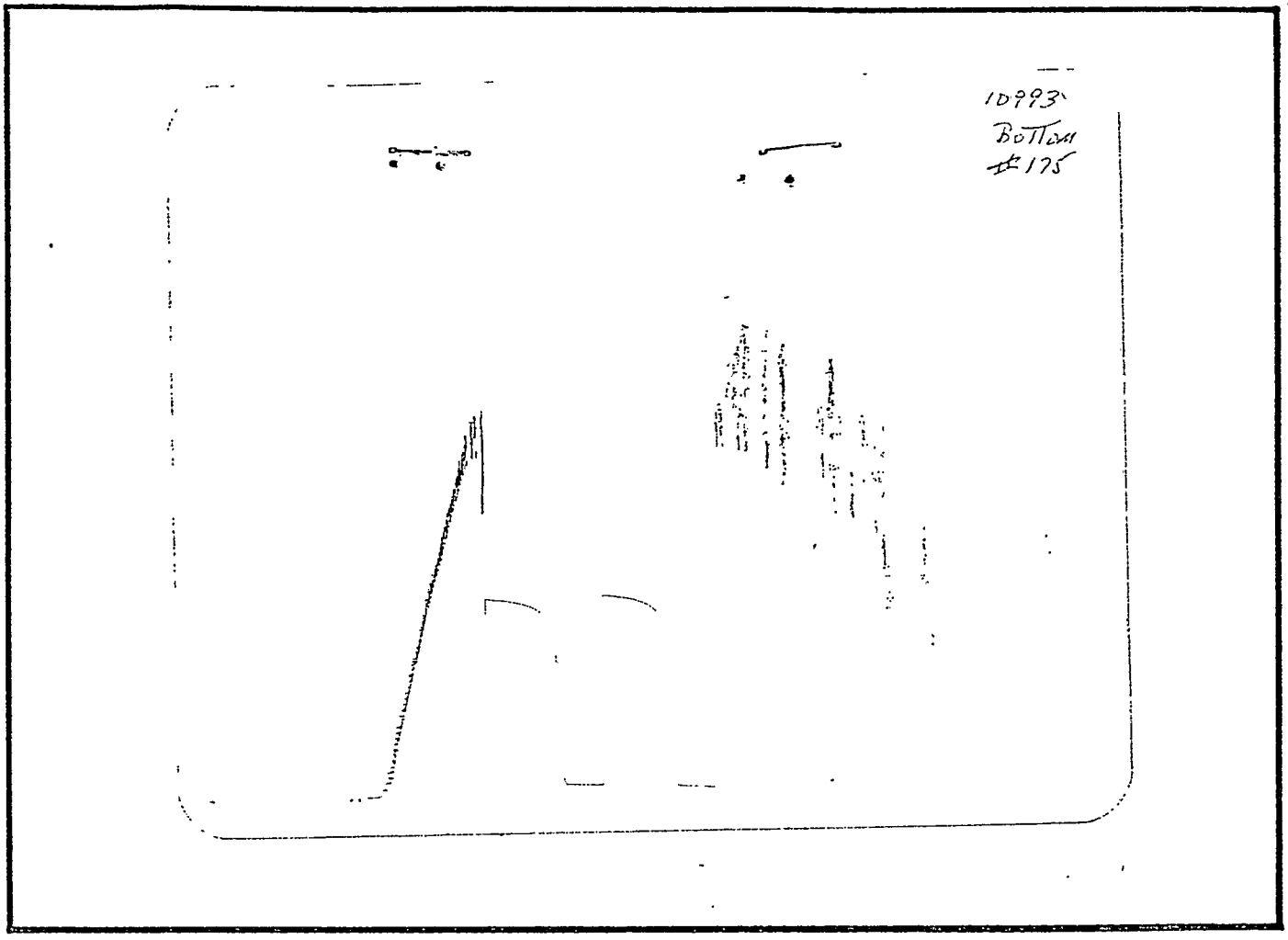
Extra Equipment None

Remarks Thank you



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2,214	2,230	PSI
(B)	First Initial Flow Pressure	55	46	PSI
(C)	First Final Flow Pressure	66	58	PSI
(D)	Initial Closed-in Pressure	1,212	1,221	PSI
(E)	Second Initial Flow Pressure	76	68	PSI
(F)	Second Final Flow Pressure	87	81	PSI
(G)	Final Closed-in Pressure	1,201	1,207	PSI
(H)	Final Hydrostatic Mud	2,193	2,185	PSI



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POINT		PRESSURE 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

CRUDE OIL TESTING COMPANY

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

Date 1/24/80 Test Ticket No. 175

Recorder No. Kuster AK-1 #10992 Capacity 4,250 P.S.I. Location 3,990 F

Clock No. 14074 Elevation 2,363 K.B. Well Temperature 116 °

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	2,230	P.S.I.	Open Tool	4:20 P M	
B	First Initial Flow Pressure	46	P.S.I.	First Flow Pressure	30 Mins.	Min
C	First Final Flow Pressure	58	P.S.I.	Initial Closed-in Pressure	60 Mins.	Min
D	Initial Closed-in Pressure	1,221	P.S.I.	Second Flow Pressure	30 Mins.	Min
E	Second Initial Flow Pressure	68	P.S.I.	Final Closed-in Pressure	60 Mins.	Min
F	Second Final Flow Pressure	81	P.S.I.			
G	Final Closed-in Pressure	1,207	P.S.I.			
H	Final Hydrostatic Mud	2,185	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc. of 5 mins. and a final inc. of ____ Min.		Breakdown: 12 Inc. of 5 mins. and a final inc. of ____ Min.		Breakdown: 6 Inc. of 5 mins. and a final inc. of ____ Min.		Breakdown: 12 Inc. of 5 mins. and a final inc. of ____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 00	46	00	58	00	68	00	81
P 2 05	46	05	195	05	70	05	742
P 3 10	48	10	997	10	70	10	1,051
P 4 15	49	15	1,103	15	72	15	1,105
P 5 20	51	20	1,144	20	76	20	1,136
P 6 25	54	25	1,168	25	77	25	1,156
P 7 30	58	30	1,184	30	81	30	1,171
P 8		35	1,206			35	1,181
P 9		40	1,206			40	1,189
P10		45	1,211			45	1,196
P11		50	1,216			50	1,201
P12		55	1,220			55	1,206
P13		60	1,221			60	1,207
P14							
P15							
P16							
P17							
P18							
P19							
P20							