



TEST REPORT

7-11-22W
(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Test Ticket No. 1147
Company A. Scott Ritchie Date 5/19/81
Company Address 125 N. Market Suite 950 - Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christian

Formation Lansing Zone Top Type of Test Conventional

DST# 1 Interval 3,453 To 3,480 Total Depth 3,480
Open 30 Shut In 45 Open 30 Shut In 45
Packer(s) Set 9:28 AM Started off Bottom 12:00 PM
Blow Weak steady blow throughout both flow periods. (4")

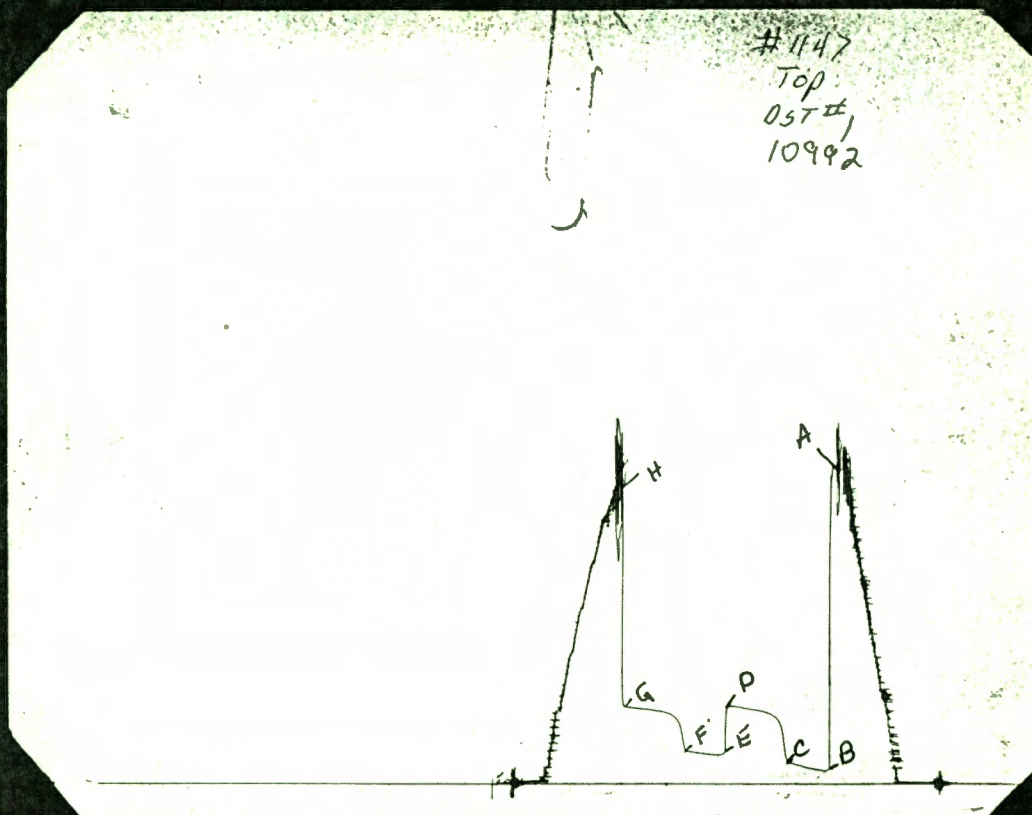
Recovery
Total Feet 305
Recovered 5 Ft. of Free oil.
Recovered 60 Ft. of Oil cut watery mud.
Recovered 60 Ft. of Oil specked watery mud,
Recovered 180 Ft. of Muddy water.
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) 39 Corrected To Temp. 60 Water Chlorides 88,000

Pressures & Temp.
(Office Reading if Applicable)
Initial Hydrostatic Pressure 1,777 Final Hydrostatic Pressure 1,756
Initial Closed In Pressure 436 Final Closed In Pressure 436
Initial Flow Pressure 65 To 120 Final Flow Pressure 163 To 174
Test Area Temperature 108

Engineering Date
Elevation 2,196 K. B.
Mud Viscosity 38 Mud Weight 9.2 Water Loss 12.8
Chlorides 28,000 P.P.M. Type of Mud Starch Anchor Length 27
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,632 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,448 Bottom Packer Depth. 3,453 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Extra Equipment None
Remarks Open Hole Test - \$660.00

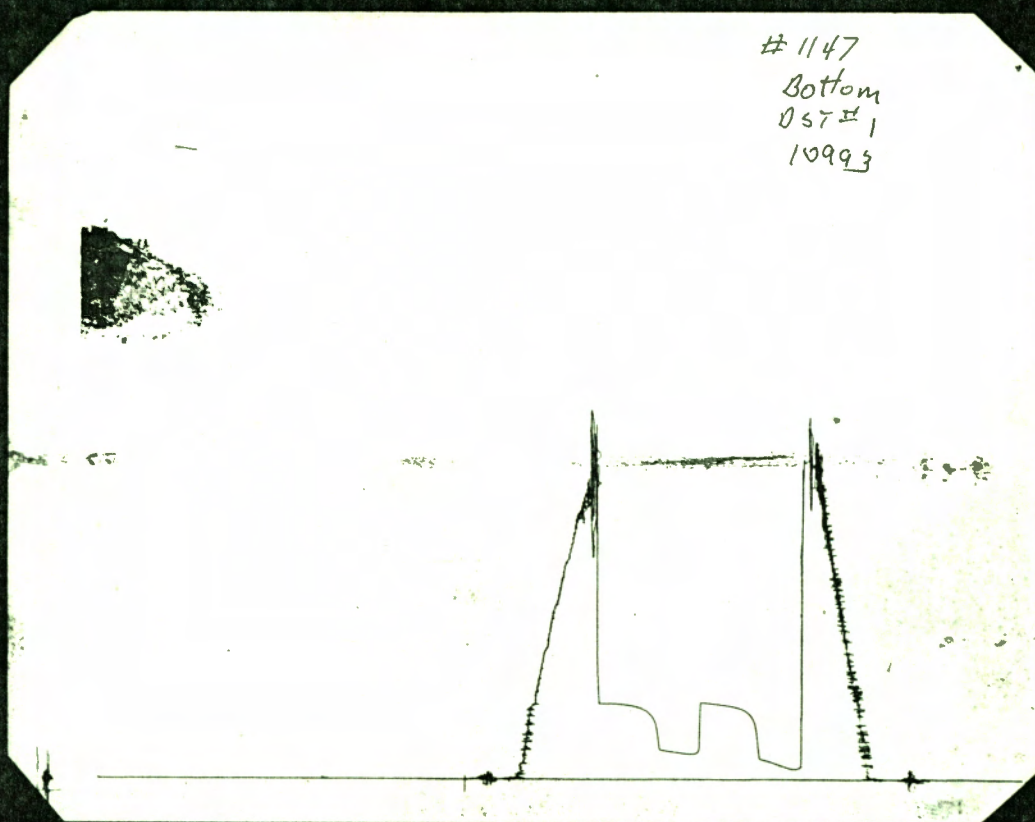
Thank-you

Price of Job \$660.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,777	1,778 PSI
(B) First Initial Flow Pressure	65	72 PSI
(C) First Final Flow Pressure	120	118 PSI
(D) Initial Closed-in Pressure	436	440 PSI
(E) Second Initial Flow Pressure	163	159 PSI
(F) Second Final Flow Pressure	174	182 PSI
(G) Final Closed-in Pressure	436	433 PSI
(H) Final Hydrostatic Mud	1,756	1,666 PSI



This is an actual photograph of recorder chart.

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 5/19/81

Test Ticket No. 1147

Recorder No. Kuster AK-1 #10992 Capacity 4,250 PSI Location 3,470 Ft.

Clock No. #23935 Elevation 2,196 K. B. Well Temperature 108 °F

Point	Pressure	Field Time	Time Computed
A Initial Hydrostatic Mud	<u>1,778</u> P.S.I.	<u>9:30</u> A M	
B First Initial Flow Pressure	<u>72</u> P.S.I.	<u>30</u> Mins.	Mins.
C First Final Flow Pressure	<u>118</u> P.S.I.	<u>45</u> Mins.	Mins.
D Initial Closed-in Pressure	<u>440</u> P.S.I.	<u>30</u> Mins.	Mins.
E Second Initial Flow Pressure	<u>159</u> P.S.I.	<u>45</u> Mins.	Mins.
F Second Final Flow Pressure	<u>182</u> P.S.I.		
G Final Closed-in Pressure	<u>433</u> P.S.I.		
H Final Hydrostatic Mud	<u>1,666</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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 00	72	00	118	00	159	00	182
P 2 05	77	05	309	05	161	05	344
P 3 10	82	10	379	10	165	10	386
P 4 15	89	15	398	15	168	15	403
P 5 20	100	20	411	20	173	20	410
P 6 25	110	25	418	25	179	25	417
P 7 30	118	30	426	30	182	30	421
P 8		35	433			35	424
P 9		40	439			40	429
P 10		45	440			45	433
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							



TEST REPORT

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Test Ticket No. 1148
Company A. Scott Ritchie Date 5/20/81
Company Address 125 N. Market Suite 950 - Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christian

Formation Lansing Zone 35' - 50' Type of Test Conventional

DST# 2 Interval 3,483 To 3,525 Total Depth 3,525
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 12:58 ~~AM~~ Started off Bottom 3:00 ~~AM~~
Blow 1st Open: Very weak, died in 12 min. 2nd Open: No blow.

Recovery Total Feet 05
Recovered 05 Ft. of Drilling mud.
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides

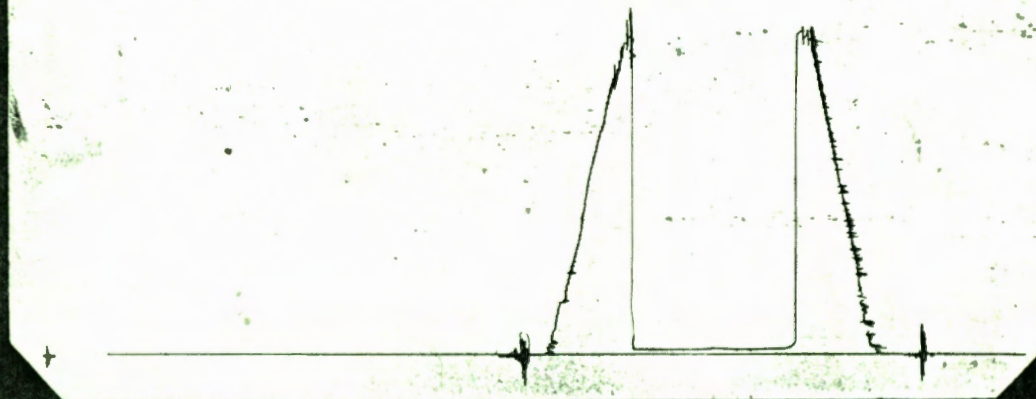
Pressures & Temp. Initial Hydrostatic Pressure 1,778 Final Hydrostatic Pressure 1,757
Initial Closed In Pressure 32 Final Closed In Pressure 21
Initial Flow Pressure 21 To 21 Final Flow Pressure 21 To 21
Test Area Temperature 107
(Office Reading If Applicable)

Engineering Date Elevation 2,196 K. B.
Mud Viscosity 39 Mud Weight 9.3 Water Loss 9.4
Chlorides 29,000 P.P.M. Type of Mud Starch Anchor Length 42
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,677 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,483 Bottom Packer Depth. Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Extra Equipment None
Remarks Open Hole Test - \$660.00

Thank-you

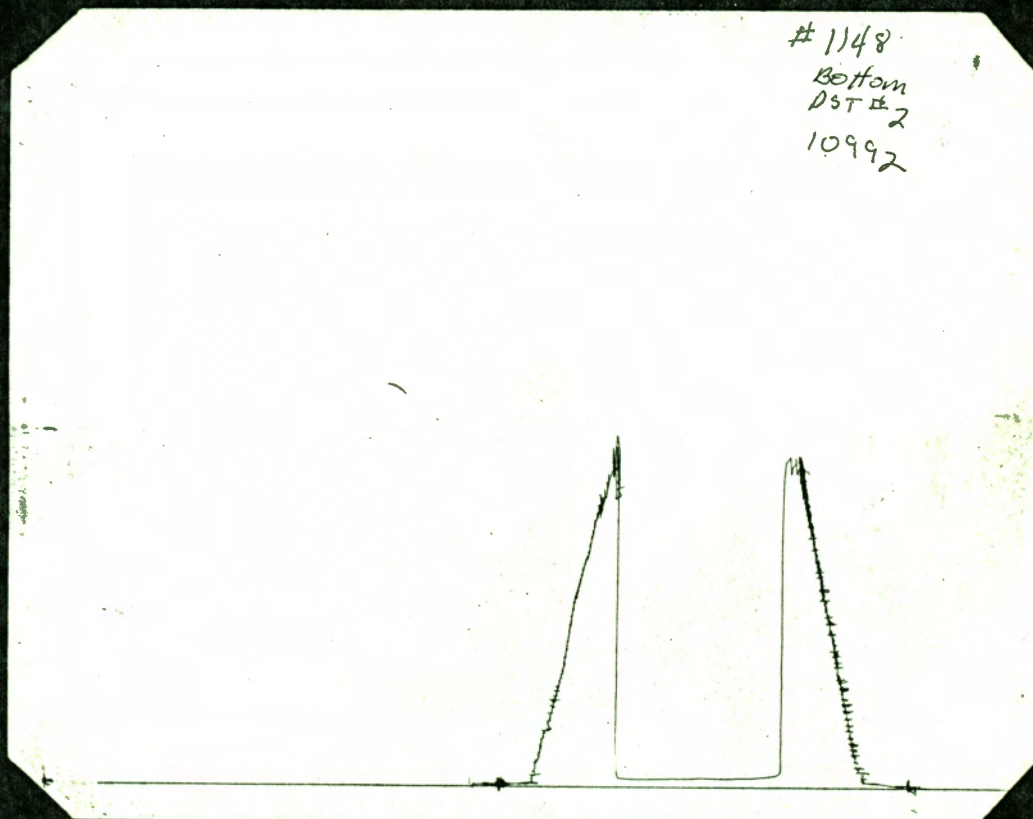
Price of Job \$660.00

#1148
DST #2
TOP
~~DST #2~~
10993.



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,778	PSI
(B) First Initial Flow Pressure	21	PSI
(C) First Final Flow Pressure	21	PSI
(D) Initial Closed-in Pressure	32	PSI
(E) Second Initial Flow Pressure	21	PSI
(F) Second Final Flow Pressure	21	PSI
(G) Final Closed-in Pressure	21	PSI
(H) Final Hydrostatic Mud	1,757	PSI



This is an actual photograph of recorder chart.

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



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Test Ticket No. 1149
Company A. Scott Ritchie Date 5/20/81
Company Address 125 N. Market Suite 950- Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christain

Formation Lansing Zone 70' Type of Test Conventional

DST# 3 Interval 3,521 To 3,541 Total Depth 3,541
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 1:13 ^{XX} P.M. Started off Bottom 3:15 ^{XXX} P.M.
Blow 1st Open: Very weak died in 8 min., 2nd Open: No blow

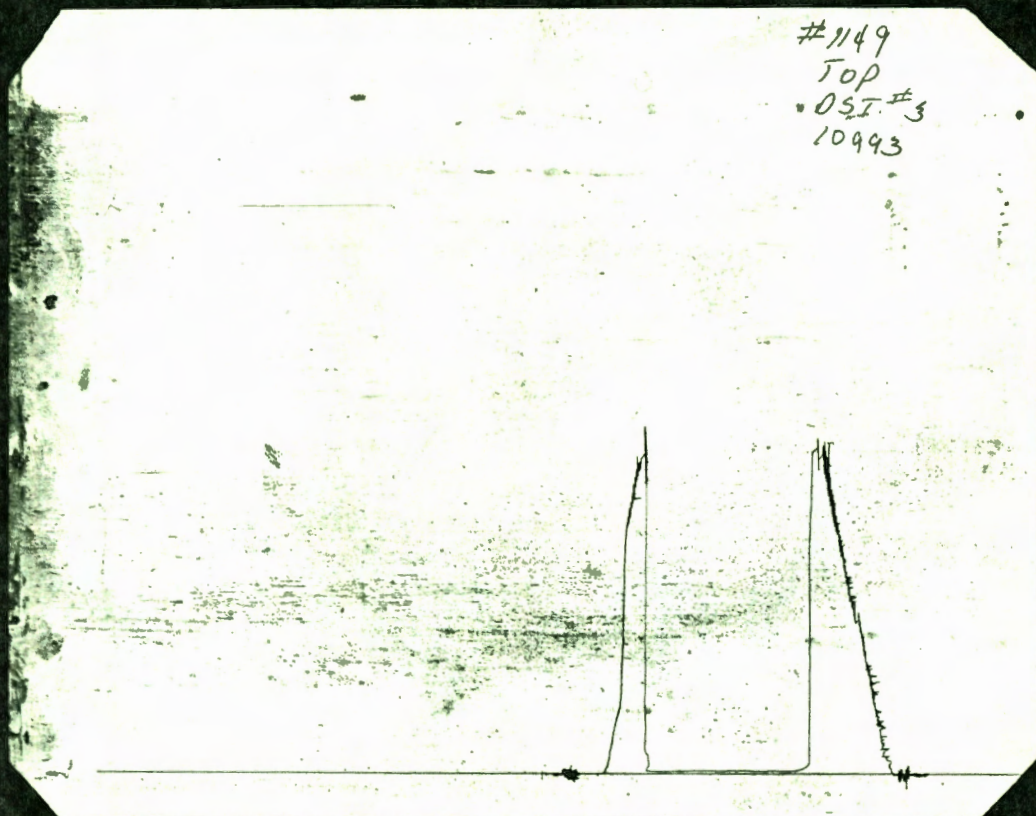
Recovery Total Feet 05
Recovered 05 Ft. of Drilling mud.
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides

Pressures & Temp. Initial Hydrostatic Pressure 1,800 Final Hydrostatic Pressure 1,778
Initial Closed In Pressure 21 Final Closed In Pressure 21
Initial Flow Pressure 21 To 21 Final Flow Pressure 21 To 21
Test Area Temperature 107
(Office Reading If Applicable)

Engineering Date Elevation 2,196 K. B.
Mud Viscosity 42 Mud Weight 9.3 Water Loss 13.4
Chlorides 29,000 P.P.M. Type of Mud Starch Anchor Length 20
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,693 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,521 Bottom Packer Depth. Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Extra Equipment None
Remarks Open Hole Test - \$660.00

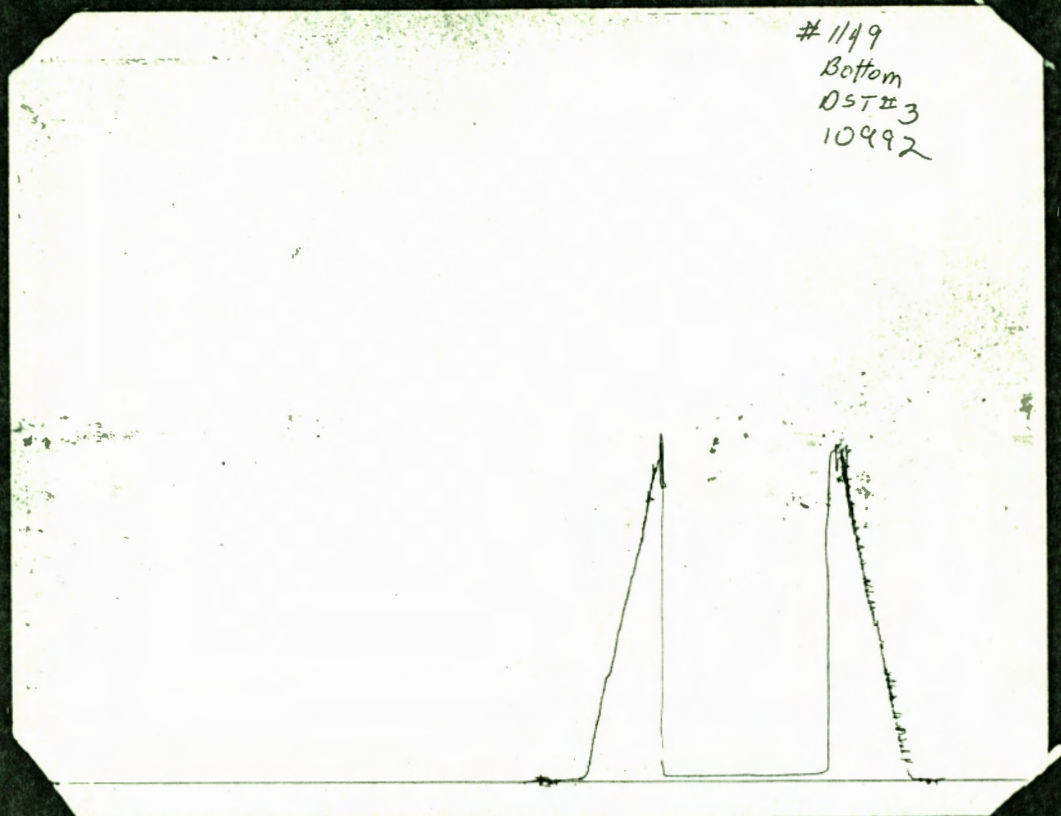
Thank-you

Price of Job \$660.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,800	PSI
(B) First Initial Flow Pressure	21	PSI
(C) First Final Flow Pressure	21	PSI
(D) Initial Closed-in Pressure	21	PSI
(E) Second Initial Flow Pressure	21	PSI
(F) Second Final Flow Pressure	21	PSI
(G) Final Closed-in Pressure	21	PSI
(H) Final Hydrostatic Mud	1,778	PSI



This is an actual photograph of recorder chart.

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

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Test Ticket No. 1150

Company A. Scott Ritchie Date 5/21/81
Company Address 125 N. Market Suite 950- Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christian

Formation Lansing Zone 90' Type of Test Conventional

DST# 4 Interval 3,537 To 3,550 Total Depth 3,550
Open 30 Shut In 45 Open 30 Shut In 45
Packer(s) Set 12:58 ~~AM~~ Started off Bottom 3:30 ~~AM~~
Blow Weak steady blow throughout both flow periods. (5")

Recovery Total Feet 380
Recovered 20 Ft. of Slightly oil cut mud.
Recovered 60 Ft. of Oil cut mud.
Recovered 300 Ft. of Frothy oil.
Recovered Ft. of
Recovered Ft. of (Read Bottom Chart)
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides

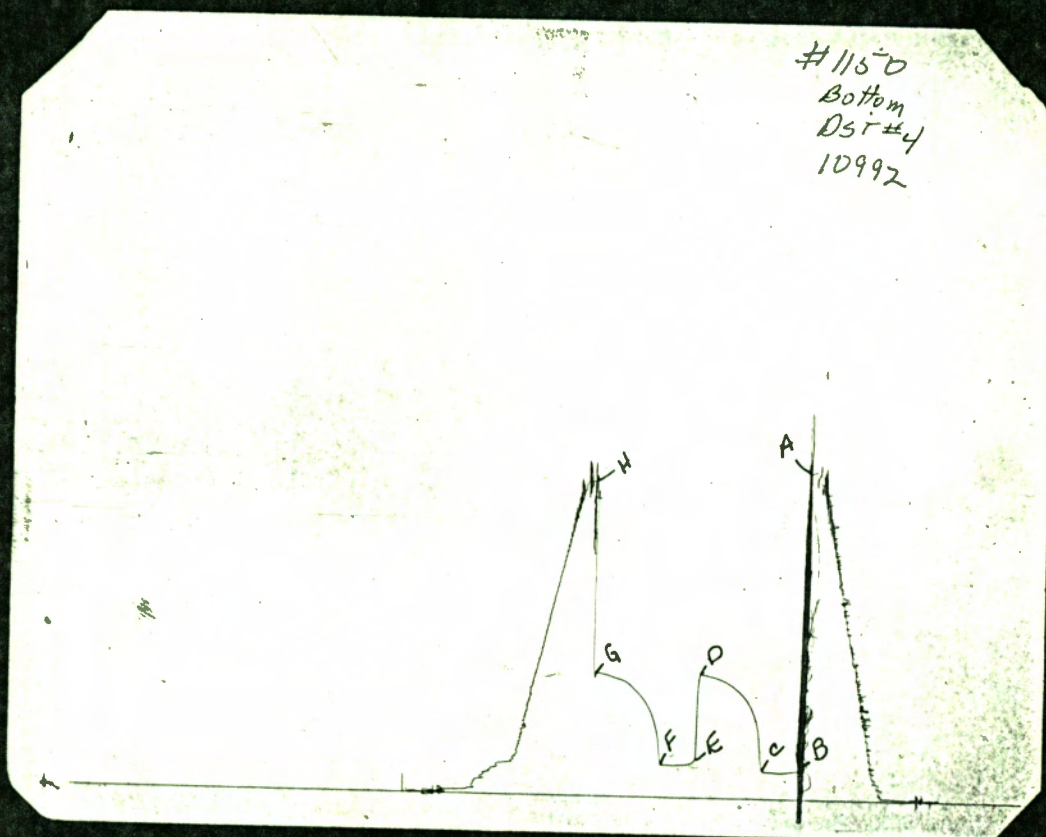
Pressures & Temp. Initial Hydrostatic Pressure 1,800 Final Hydrostatic Pressure 1,778
Initial Closed In Pressure 683 Final Closed In Pressure 640
Initial Flow Pressure 130 To 152 Final Flow Pressure 163 To 173
Test Area Temperature 110
(Office Reading If Applicable)

Engineering Date

Elevation 2,196 K. B.
Mud Viscosity 42 Mud Weight 9.3 Water Loss 13.4
Chlorides 29,000 P.P.M. Type of Mud Starch Anchor Length 13
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,702 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,537 Bottom Packer Depth. Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Extra Equipment nOne
Remarks Tool slid approximately (6') six feet when opened.
Open Hole Test - \$660.00

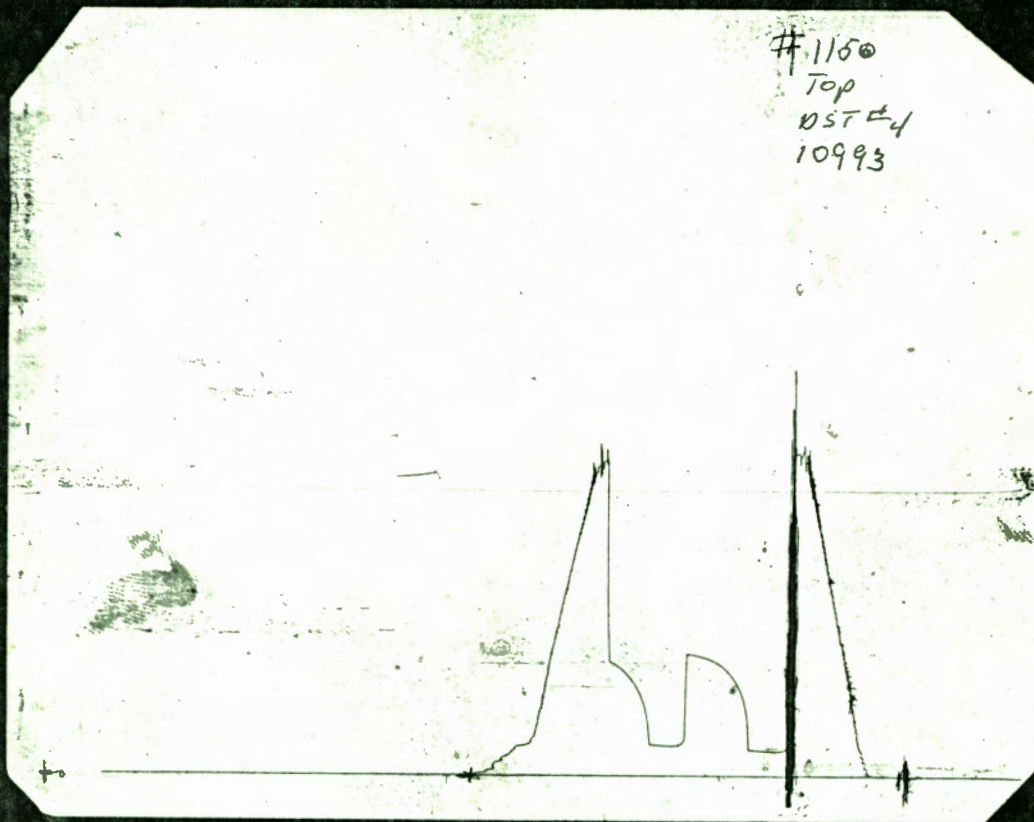
Thank-you

Price of Job \$660.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,800	1,827 PSI
(B) First Initial Flow Pressure	130	139 PSI
(C) First Final Flow Pressure	152	150 PSI
(D) Initial Closed-in Pressure	683	686 PSI
(E) Second Initial Flow Pressure	163	169 PSI
(F) Second Final Flow Pressure	173	180 PSI
(G) Final Closed-in Pressure	640	687 PSI
(H) Final Hydrostatic Mud	1,778	1,761 PSI



This is an actual photograph of recorder chart.

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 5/21/81

Test Ticket No. 1150

Recorder No. Kuster AK-1 #10993 Capacity 4,250 PSI Location 3,540 Ft.

Clock No. #22347 Elevation 2,196 K. B. Well Temperature 110 °F

Point	Pressure		Field Time	Time Computed
A Initial Hydrostatic Mud	<u>1,827</u> P.S.I.	Open Tool	<u>1:00</u> AM	
B First Initial Flow Pressure	<u>139</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u> </u> Mins.
C First Final Flow Pressure	<u>150</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>686</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>169</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>50</u> Mins.
F Second Final Flow Pressure	<u>180</u> P.S.I.			
G Final Closed-in Pressure	<u>687</u> P.S.I.			
H Final Hydrostatic Mud	<u>1,761</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>10</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>3</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>00</u>	<u>139</u>	<u>00</u>	<u>150</u>	<u>00</u>	<u>169</u>	<u>00</u>	<u>180</u>
P 2 <u>05</u>	<u>141</u>	<u>05</u>	<u>402</u>	<u>05</u>	<u>171</u>	<u>05</u>	<u>390</u>
P 3 <u>10</u>	<u>143</u>	<u>10</u>	<u>504</u>	<u>10</u>	<u>173</u>	<u>10</u>	<u>492</u>
P 4 <u>15</u>	<u>145</u>	<u>15</u>	<u>562</u>	<u>15</u>	<u>176</u>	<u>15</u>	<u>551</u>
P 5 <u>20</u>	<u>146</u>	<u>20</u>	<u>599</u>	<u>20</u>	<u>177</u>	<u>20</u>	<u>591</u>
P 6 <u>25</u>	<u>148</u>	<u>25</u>	<u>627</u>	<u>25</u>	<u>180</u>	<u>25</u>	<u>627</u>
P 7 <u>30</u>	<u>150</u>	<u>30</u>	<u>648</u>	<u>30</u>		<u>30</u>	<u>648</u>
P 8 <u> </u>		<u>35</u>	<u>663</u>			<u>35</u>	<u>660</u>
P 9 <u> </u>		<u>40</u>	<u>674</u>			<u>40</u>	<u>672</u>
P 10 <u> </u>		<u>45</u>	<u>683</u>			<u>45</u>	<u>682</u>
P 11 <u> </u>		<u>48</u>	<u>686</u>			<u>50</u>	<u>687</u>
P 12 <u> </u>							
P 13 <u> </u>							
P 14 <u> </u>							
P 15 <u> </u>							
P 16 <u> </u>							
P 17 <u> </u>							
P 18 <u> </u>							
P 19 <u> </u>							
P 20 <u> </u>							



GAS	30
OIL	208.6
WTR	49.4
MUD	92
TOTAL FLUID	380 ¹

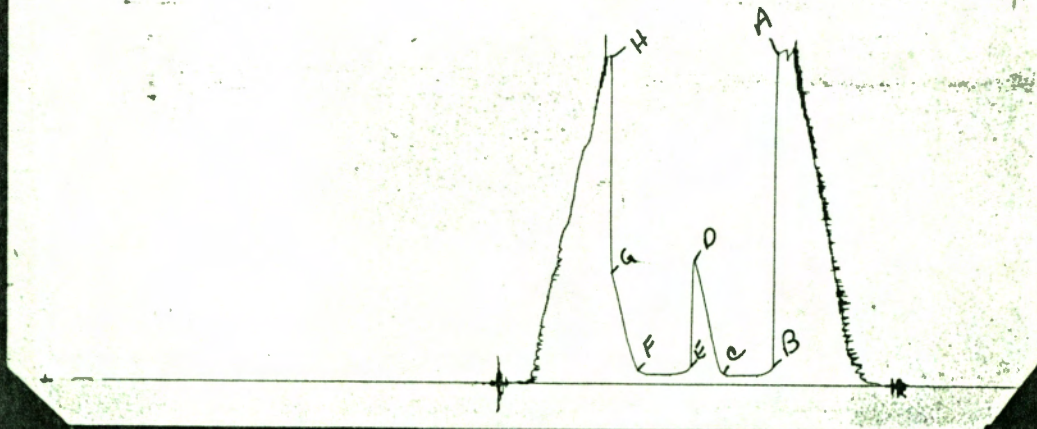


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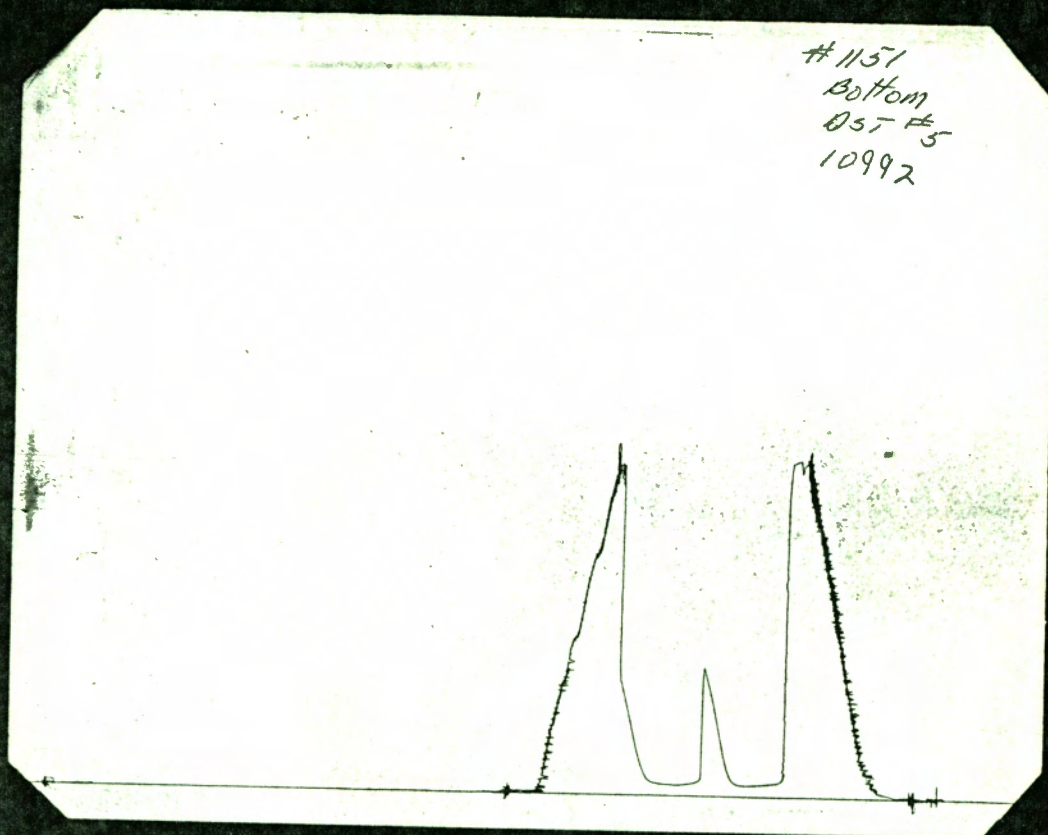
		Test Ticket No. <u>1151</u>	
Company	<u>A. Scott Ritchie</u>	Date	<u>5/21/81</u>
Company Address	<u>125 N. Market Suite 950- Wichita</u>		
No. of Charts	<u>5</u>		
Location: Sec.	<u>7</u>	Twp.	<u>11</u>
Rge.	<u>22</u>	Co.	<u>Trego</u>
State	<u>Kansas</u>		
Well Name And Number	<u>#3 Buchholz</u>		
Tester	<u>Rod Lewis</u>		
Contractor	<u>Murfin Drlg.</u>	Rig No.	<u>#16</u>
Co. Rep.	<u>Jeff Christian</u>		
Formation	<u>Lansing</u>	Zone	<u>140' - 180'</u>
Type of Test	<u>Conventional</u>		
DST# <u>5</u>	Interval	<u>3,575</u>	To <u>3,644</u>
	Total Depth	<u>3,644</u>	
	Open <u>30</u>	Shut In <u>30</u>	Open <u>30</u>
	Shut In <u>30</u>		
	Packer(s) Set <u>10:28</u>	Started off Bottom <u>12:30</u>	<u>AM</u>
	Blow <u>1st Open: Very weak died in 10 min.</u>	<u>2nd Open: No blow.</u>	
Recovery	Total Feet	<u>05</u>	
	Recovered <u>05</u>	Ft. of	<u>Oil specked drilling mud.</u>
	Recovered	Ft. of	
	Recovered	Ft. of	
	Recovered	Ft. of	
	Recovered	Ft. of	
	Recovered	Ft. of	
	Gravity (Oil)	Corrected To Temp.	<u>Water Chlorides</u>
Pressures & Temp.	Initial Hydrostatic Pressure	<u>1,854</u>	Final Hydrostatic Pressure <u>1,832</u>
(Office Reading if Applicable)	Initial Closed In Pressure	<u>704</u>	Final Closed In Pressure <u>607</u>
	Initial Flow Pressure <u>54</u>	To <u>54</u>	Final Flow Pressure <u>54</u>
	To <u>54</u>		
	Test Area Temperature	<u>110</u>	
Engineering Date	Elevation	<u>2,196 K. B.</u>	
	Mud Viscosity <u>46</u>	Mud Weight <u>9.3</u>	Water Loss <u>8.6</u>
	Chlorides <u>44,000</u>	P.P.M. Type of Mud <u>Starch</u>	Anchor Length <u>69</u>
	Hole Size <u>7 7/8</u>	Casing Size <u>8 5/8</u>	Surface Choke <u>3/4</u>
	Bottom Choke <u>3/4</u>		
	Drill Pipe Length <u>2,796</u>	I.D. <u>3.8</u>	In. Weight Pipe Length <u>633</u>
	I.D. <u>2.76</u>	In.	
	Drill Collar Length <u>175</u>	I.D. <u>2.25</u>	In.
	Top Packer Depth. <u>3,575</u>	Bottom Packer Depth.	Packer Size <u>6 3/4</u>
	Test Tool Size <u>5 1/2</u>	In. Tool Joint Size <u>4 1/2</u>	FH - H-90 In.
	Did Well Flow <u>No</u>	Reversed Out	<u>No</u>
	Recorder Type and No. <u>Kuster #10993</u>	Clock Range No. <u>#22347</u>	<u>12</u> Hr.
	Recorder Type and No. <u>Kuster #10992</u>	Clock Range No. <u>#23935</u>	<u>12</u> Hr.
	Extra Equipment	<u>None</u>	
	Remarks	<u>Open Hole Test - \$660.00</u>	
<u>Thank-you</u>			
Price of Job <u>\$660.00</u>			

1151
TDP
DST # 5
10993



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,854	1,854 PSI
(B) First Initial Flow Pressure	54	45 PSI
(C) First Final Flow Pressure	54	48 PSI
(D) Initial Closed-in Pressure	704	698 PSI
(E) Second Initial Flow Pressure	54	46 PSI
(F) Second Final Flow Pressure	54	55 PSI
(G) Final Closed-in Pressure	607	616 PSI
(H) Final Hydrostatic Mud	1,832	1,830 PSI



This is an actual photograph of recorder chart.

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

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

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Test Ticket No. 1151

Clock No. #22347 Elevation 2,196 K. B. Well Temperature 110 °F

Point	Pressure	Time	Computed
A Initial Hydrostatic Mud	1,854 P.S.I.	10:30 P.M.	
B First Initial Flow Pressure	45 P.S.I.	30 Mins.	
C First Final Flow Pressure	48 P.S.I.	30 Mins.	
D Initial Closed-in Pressure	698 P.S.I.	30 Mins.	
E Second Initial Flow Pressure	46 P.S.I.	30 Mins.	
F Second Final Flow Pressure	55 P.S.I.	30 Mins.	
G Final Closed-in Pressure	616 P.S.I.		
H Final Hydrostatic Mud	1,830 P.S.I.		

First Flow Pressure
Breakdown:— 6 — Inc.
of 5 mins. and a
final inc. of — Min.

Initial Shut-In
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Final Shut-In
Breakdown: 6 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	45	00	48	00	46	00	55
P 2 05	46	05	55	05	50	05	64
P 3 10	46	10	115	10	51	10	111
P 4 15	46	15	274	15	53	15	221
P 5 20	47	20	448	20	54	20	370
P 6 25	47	25	610	25	54	25	526
P 7 30	48	30	698	30	55	30	616
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TEST REPORT

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

Test Ticket No. 1152
Company A. Scott Ritchie Date 5/22/81
Company Address 125 N. Market Suite 950 - Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christian

Formation Lansing Zone 200' - 220' Type of Test Conventional

DST# 6 Interval 3,642 To 3,688 Total Depth 3,688
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 1:43 ^{XXM} P.M. Started off Bottom 3:45 ^{XXM} P.M.
Blow 1st Open: Very weak died in 16 min. 2nd Open: No blow.

Recovery Total Feet 20
Recovered 20 Ft. of Drilling mud with few oil specks.
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Recovered Ft. of
Gravity (Oil) Corrected To Temp. Water Chlorides

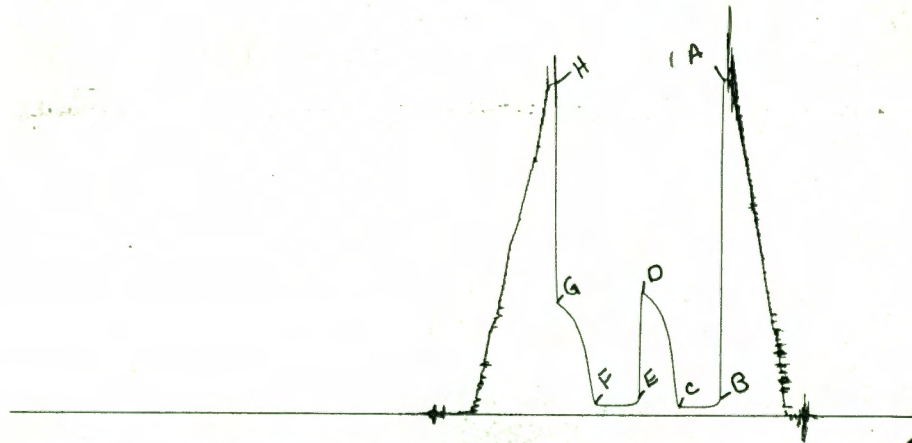
Pressures & Temp. (Office Reading if Applicable)
Initial Hydrostatic Pressure 1,875 Final Hydrostatic Pressure 1,854
Initial Closed In Pressure 693 Final Closed In Pressure 629
Initial Flow Pressure 54 To 54 Final Flow Pressure 54 To 54
Test Area Temperature 108

Engineering Date
Elevation 2,196 K. B.
Mud Viscosity 41 Mud Weight 9.2 Water Loss 10
Chlorides 49,000 P.P.M. Type of Mud Starch Anchor Length 46
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,840 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,642 Bottom Packer Depth. Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Extra Equipment None
Remarks Open Hole Test - \$660.00

Thank-you

Price of Job \$660.00

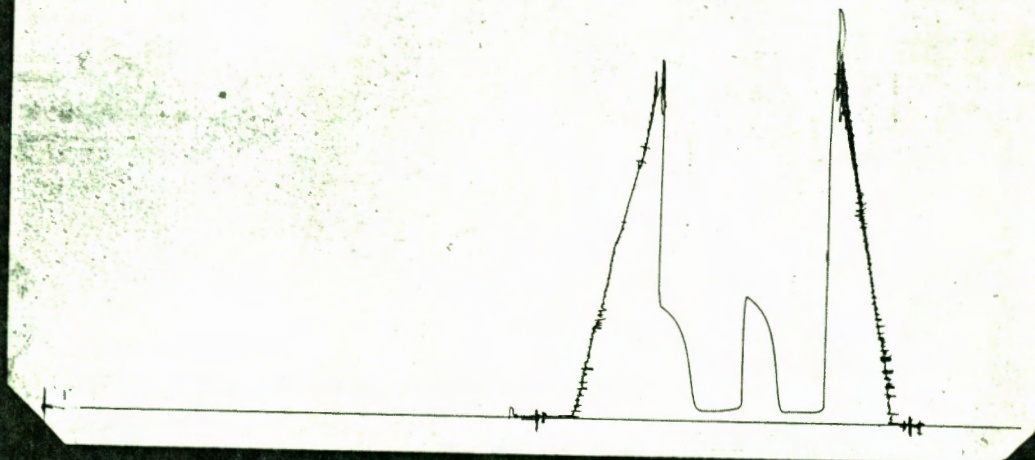
#1152
Top
DST #6
10993



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1,875	1,874 PSI
(B) First Initial Flow Pressure	54	42 PSI
(C) First Final Flow Pressure	54	46 PSI
(D) Initial Closed-in Pressure	693	687 PSI
(E) Second Initial Flow Pressure	54	51 PSI
(F) Second Final Flow Pressure	54	56 PSI
(G) Final Closed-in Pressure	629	626 PSI
(H) Final Hydrostatic Mud	1,854	1,840 PSI

1152
Bottom
OST # 6
10992



This is an actual photograph of recorder chart.

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

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

Test Ticket No. 1152

Clock No. #22347 Elevation 2,196 K. B. Well Temperature 108 °F

Point	Pressure	Field Time	Time Computed
A Initial Hydrostatic Mud	1,874 P.S.I.	1:45 P _M	
B First Initial Flow Pressure	42 P.S.I.	30 Mins.	Mins.
C First Final Flow Pressure	46 P.S.I.	30 Mins.	Mins.
D Initial Closed-in Pressure	687 P.S.I.	30 Mins.	Mins.
E Second Initial Flow Pressure	51 P.S.I.	30 Mins.	Mins.
F Second Final Flow Pressure	56 P.S.I.	30 Mins.	Mins.
G Final Closed-in Pressure	626 P.S.I.		
H Final Hydrostatic Mud	1,840 P.S.I.		

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Initial Shut-In
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Final Shut-In
Breakdown: 6 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	42	00	46	00	51	00	56
P 2 05	42	05	314	05	52	05	184
P 3 10	42	10	495	10	52	10	374
P 4 15	43	15	581	15	52	15	480
P 5 20	45	20	634	20	52	20	550
P 6 25	45	25	670	25	54	25	591
P 7 30	46	30	687	30	56	30	626
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TEST REPORT

7-11-22W
(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

Test Ticket No. 1153
Company A. Scott Ritchie Date 5/23/81
Company Address 125 N. Market Suite 950- Wichita No. of Charts 5
Location: Sec. 7 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number #3 Buchholz Tester Rod Lewis
Contractor Murfin Drlg. Rig No. #16 Co. Rep. Jeff Christian

Formation Marmaton Zone _____ Type of Test Conventional

DST# 7 Interval 3,782 To 3,820 Total Depth 3,820
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 9:28 ^{AM} Started off Bottom 11:30 ^{AM}
Blow 1st Open: Very weak, died in 8 min. 2nd Open: No blow.

Recovery
Total Feet 05
Recovered 05 Ft. of Drilling 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.
(Office Reading if Applicable)
Initial Hydrostatic Pressure 2,004 Final Hydrostatic Pressure 1,982
Initial Closed In Pressure 877 Final Closed In Pressure 780
Initial Flow Pressure 43 To 43 Final Flow Pressure 43 To 43
Test Area Temperature 112

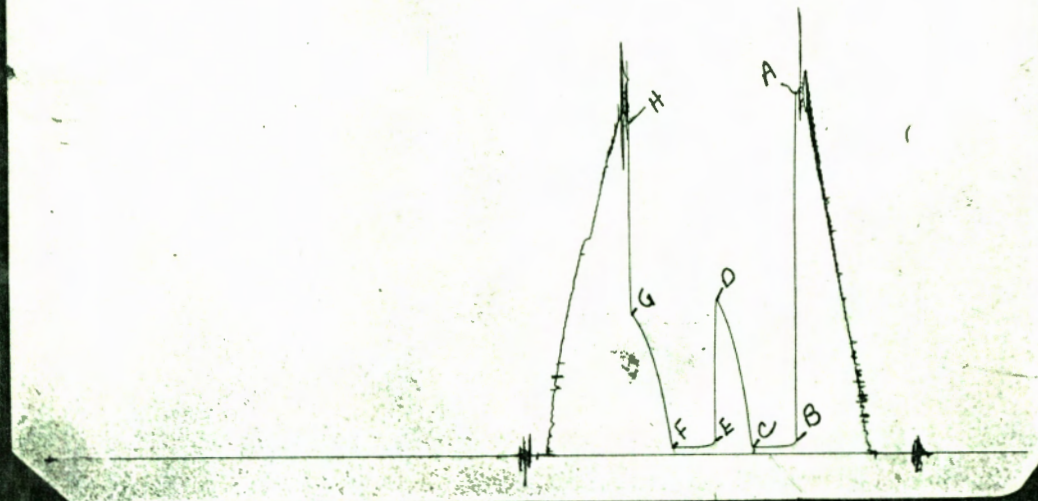
Engineering
Date

Elevation 2,196 K. B.
Mud Viscosity 41 Mud Weight 9.2 Water Loss 10
Chlorides 49,000 P.P.M. Type of Mud Starch Anchor Length 38
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,972 I.D. 3.8 In. Weight Pipe Length 633 I.D. 2.76 In.
Drill Collar Length 175 I.D. 2.25 In.
Top Packer Depth. 3,777 Bottom Packer Depth. _____ Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH - H-90 In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10993 Clock Range No. #22347 12 Hr.
Recorder Type and No. Kuster #10992 Clock Range No. #23935 12 Hr.
Extra Equipment None
Remarks Open Hole Test - \$660.00

Thank-you

Price of Job \$660.00

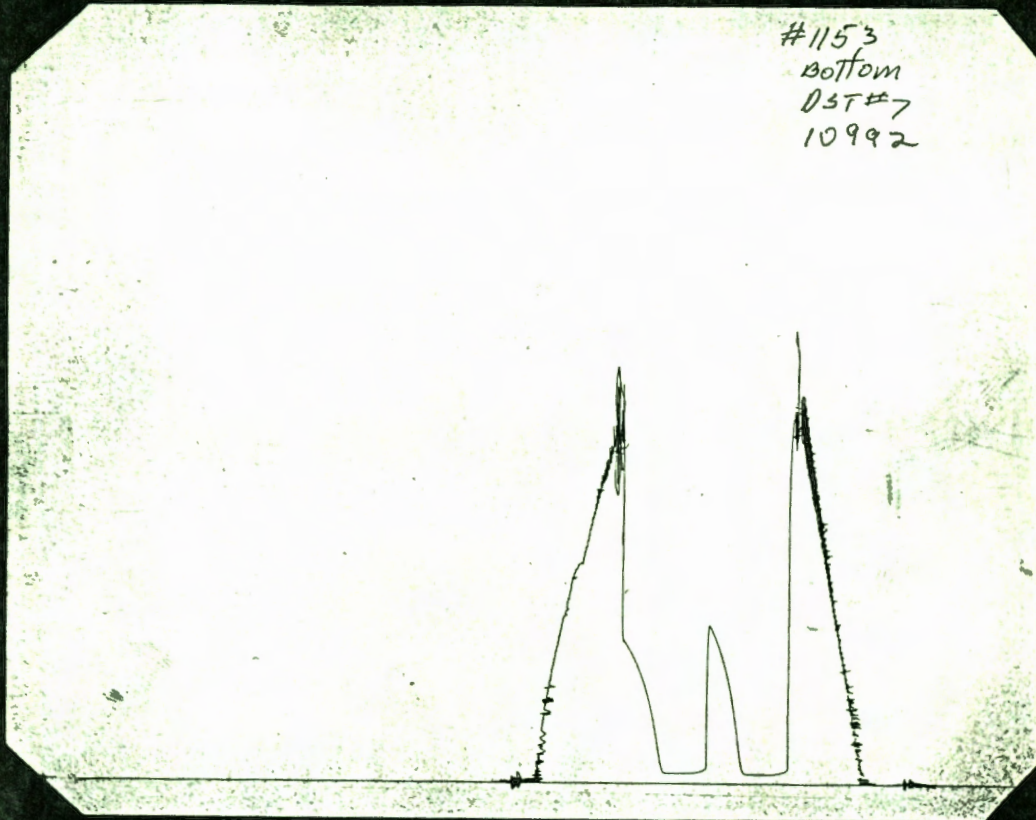
#1153
Top
OST #7
10993



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2,004	2,010 PSI
(B) First Initial Flow Pressure	43	27 PSI
(C) First Final Flow Pressure	43	41 PSI
(D) Initial Closed-in Pressure	877	872 PSI
(E) Second Initial Flow Pressure	43	29 PSI
(F) Second Final Flow Pressure	43	42 PSI
(G) Final Closed-in Pressure	790	791 PSI
(H) Final Hydrostatic Mud	1,982	1,872 PSI

#1153
Bottom
DST#7
10992



This is an actual photograph of recorder chart.

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 2280
Colorado Springs, Colorado 80901
(303) 473-6909

Date 5/23/81 Test Ticket No. 1153
Recorder No. Kuster AK-1 #10993 Capacity 4,250 PSI Location 3,820 Ft.
Clock No. #22347 Elevation 2,196 K. B. Well Temperature 112 °F

Point	Pressure	Open Tool	Field Time	Time Computed
A Initial Hydrostatic Mud	<u>2,010</u> P.S.I.		<u>9:30</u> A M	
B First Initial Flow Pressure	<u>27</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	Mins.
D Initial Closed-in Pressure	<u>872</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	Mins.
F Second Final Flow Pressure	<u>42</u> P.S.I.			
G Final Closed-in Pressure	<u>791</u> P.S.I.			
H Final Hydrostatic Mud	<u>1,872</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>00</u>	<u>27</u>	<u>00</u>	<u>41</u>	<u>00</u>	<u>29</u>	<u>00</u>	<u>42</u>
P 2 <u>05</u>	<u>30</u>	<u>05</u>	<u>254</u>	<u>05</u>	<u>32</u>	<u>05</u>	<u>232</u>
P 3 <u>10</u>	<u>33</u>	<u>10</u>	<u>470</u>	<u>10</u>	<u>33</u>	<u>10</u>	<u>413</u>
P 4 <u>15</u>	<u>34</u>	<u>15</u>	<u>633</u>	<u>15</u>	<u>35</u>	<u>15</u>	<u>545</u>
P 5 <u>20</u>	<u>36</u>	<u>20</u>	<u>752</u>	<u>20</u>	<u>37</u>	<u>20</u>	<u>649</u>
P 6 <u>25</u>	<u>39</u>	<u>25</u>	<u>836</u>	<u>25</u>	<u>40</u>	<u>25</u>	<u>728</u>
P 7 <u>30</u>	<u>41</u>	<u>30</u>	<u>872</u>	<u>30</u>	<u>42</u>	<u>30</u>	<u>791</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							