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State Geological Survey

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

23-11-240⁰¹

WICHITA BRANCH

Computer Inventoried

DRILL-STEM TEST DATA

Company	Oxford Exploration Co.	Test No.	1
Well Name & Number	Struss #23-134	Zone Tested	KC"B"
Company Address	Denver Co.	Date	8/31/83
Comp. Rep.	Jim Reeves	Tester	Jerry Cross
Contractor	Murfin Drlg. Co. #7	Elevation	2463 KB
Location: Sec. 23 Twp. 11 Rge. 24w Co. Trego State Ks.		Est. Feet of Pay	

Recorder No. 13371 Type AK-1 Range 3900 PSI
 Recorder Depth 3863
 (A) Initial Hydrostatic Mud 2002 PSI
 (B) First Initial Flow Pressure 201 PSI
 (C) First Final Flow Pressure 222 PSI
 (D) Initial Closed-in Pressure 1324 PSI
 (E) Second Initial Flow Pressure 222 PSI
 (F) Second Final Flow Pressure 264 PSI
 (G) Final Closed-in Pressure 1324 PSI
 (H) Final Hydrostatic Mud 1949 PSI
 Temperature 117
 Mud Weight 9.5 Viscosity 36
 Fluid Loss 7.2
 Interval Tested 3826-3866
 Anchor Length 40
 Top Packer Depth 3821
 Bottom Packer Depth 3826
 Total Depth 3866
 Drill Pipe Size 4 1/2 XH
 Wt. Pipe I. D. 3.25 Ft. Run 764
 Recovery—Total Feet 515
 Recovered 140 Feet Of mud.
 Recovered 125 Feet Of gassy, watery, oil, cut mud, 30% oil, 35% water, 35% mud.
 Recovered 125 Feet Of gassy, watery, oil, cut mud, 40% oil, 30% water & 30% mud.
 Recovered 125 Feet Of oil spotted, muddy water
 Extra Equipment Extra Folder Price of Job \$585.00

Recorder No. 10290 Type AK-1 Range 4200 PSI
 Recorder Depth 3860
 Tool Open Before I. S. I. 15 Mins.
 Initial Shut-in 30 Mins.
 Flow Period 45 Mins.
 Final Shut-in 90 Mins.
 Surface Choke Size 1"
 Bottom Choke Size 3/4"
 Main Hole Size 7 1/8"
 Rubber Size 6 3/4"
 Tool Open @ 7:27 PM
 Blow 1st open: weak throughout test.
 Remarks Slid tool

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Chlorides: 38,000
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Drill Collar I. D. 2.70 Ft. Run 239

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Pressure

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23-134 Struss
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WICHITA BRANCH
23-11-24W

Date: 8/31/83 Recorder No. 10290 Clock No. 25719
Elevation: 2463 KB Capacity: 4200 Location: 3860 F
Test Ticket No. 7682 Well Temperature: 117

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1997</u> P.S.I.	<u>7:27</u> P.M.	
B First Initial Flow Pressure	<u>202</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Min.
C First Final Flow Pressure	<u>212</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Min.
D Initial Closed-in Pressure	<u>1316</u> P.S.I.	<u>45</u> Mins.	<u>43</u> Min.
E Second Initial Flow Pressure	<u>212</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Min.
Second Final Flow Pressure	<u>261</u> P.S.I.		
G Final Closed-in Pressure	<u>1314</u> P.S.I.		
H Final Hydrostatic Mud	<u>1944</u> P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Breakdown: <u>8</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Breakdown: <u>13</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>202</u>	<u>0</u>	<u>212</u>	<u>0</u>	<u>261</u>	<u>0</u>	<u>261</u>
P 2 5	<u>202</u>	<u>5</u>	<u>1206</u>	<u>5</u>	<u>1186</u>	<u>5</u>	<u>1186</u>
P 3 10	<u>208</u>	<u>10</u>	<u>1265</u>	<u>10</u>	<u>1248</u>	<u>10</u>	<u>1248</u>
P 4 15	<u>212</u>	<u>15</u>	<u>1288</u>	<u>15</u>	<u>1270</u>	<u>15</u>	<u>1270</u>
P 5		<u>20</u>	<u>1299</u>	<u>20</u>	<u>1290</u>	<u>20</u>	<u>1290</u>
P 5		<u>25</u>	<u>1309</u>	<u>25</u>	<u>1295</u>	<u>25</u>	<u>1295</u>
P 7		<u>30</u>	<u>1316</u>	<u>30</u>	<u>1299</u>	<u>30</u>	<u>1299</u>
P 8		<u>33</u>	<u>1316</u>	<u>35</u>	<u>1301</u>	<u>35</u>	<u>1301</u>
P 9				<u>40</u>	<u>1305</u>	<u>40</u>	<u>1305</u>
P 10				<u>43</u>	<u>1307</u>	<u>45</u>	<u>1307</u>
P 11						<u>50</u>	<u>1308</u>
P 12						<u>55</u>	<u>1309</u>
P 13						<u>60</u>	<u>1310</u>
P 14						<u>65</u>	<u>1311</u>
P 15						<u>70</u>	<u>1311</u>
P 16						<u>75</u>	<u>1312</u>
P 17						<u>80</u>	<u>1312</u>
P 18						<u>85</u>	<u>1314</u>
P 19						<u>90</u>	<u>1314</u>
P 20							

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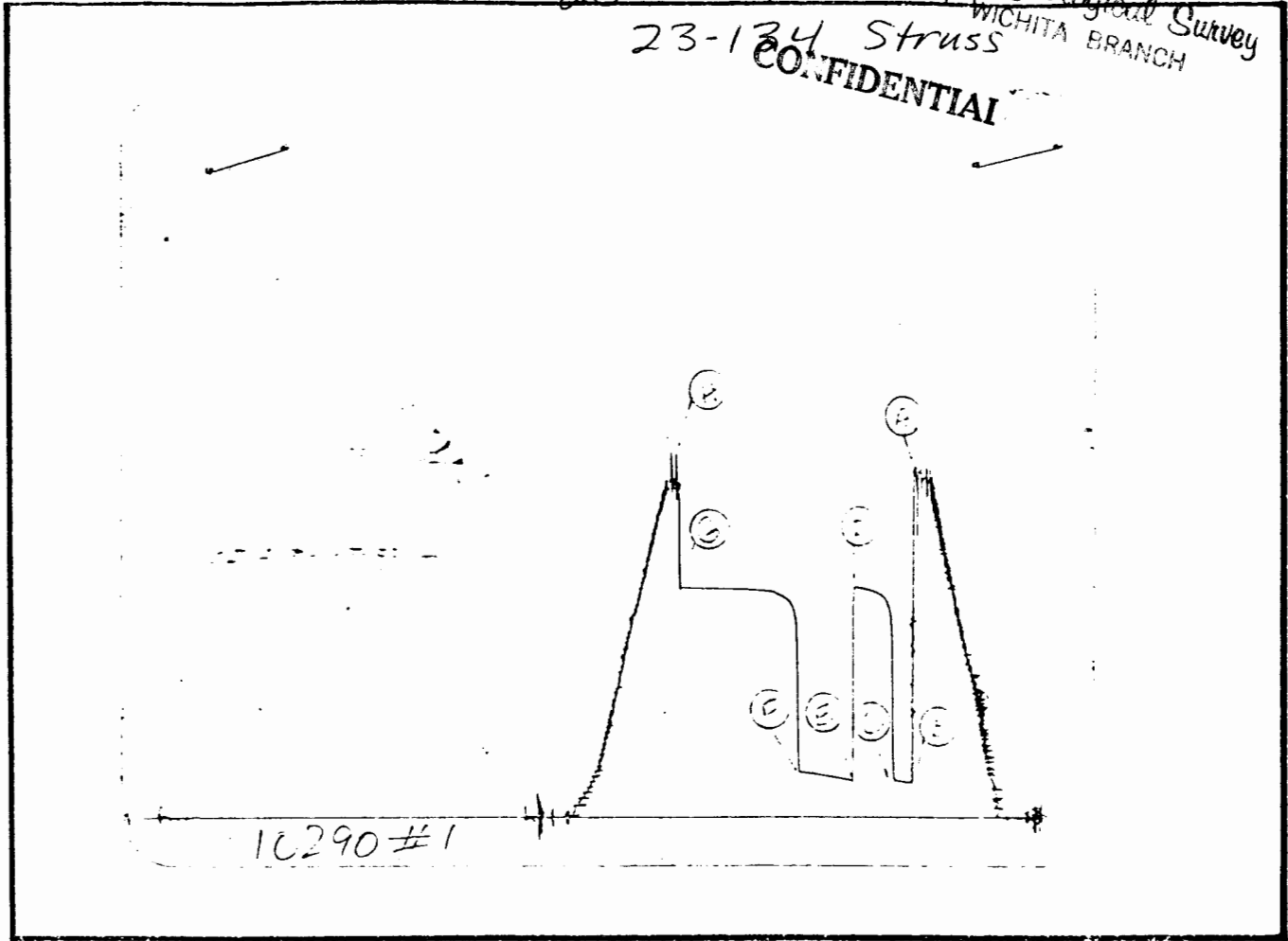
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23-134 Struss

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2002	1997	PSI
(B) First Initial Flow Pressure	201	202	PSI
(C) First Final Flow Pressure	222	212	PSI
(D) Initial Closed-in Pressure	1324	1316	PSI
(E) Second Initial Flow Pressure	222	212	PSI
(F) Second Final Flow Pressure	264	261	PSI
(G) Final Closed-in Pressure	1324	1314	PSI
(H) Final Hydrostatic Mud	1949	1944	PSI

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Pressure Data

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Date 9/1/83 23 11 24W Test Ticket No. 7683
Recorder No. 10290 Capacity 4200 Location 3989 Ft.
Clock No. 25719 Elevation 2463 KB Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2081	P.S.I.	5:22 P M	
B First Initial Flow Pressure	54	P.S.I.	15 Mins	15 Mins
C First Final Flow Pressure	54	P.S.I.	30 Mins	30 Mins
D Initial Closed-in Pressure	176	P.S.I.	45 Mins	45 Mins
E Second Initial Flow Pressure	65	P.S.I.	90 Mins	90 Mins
Second Final Flow Pressure	65	P.S.I.		
G Final Closed-in Pressure	231	P.S.I.		
H Final Hydrostatic Mud	2071	P.S.I.		

PRESSURE BREAKDOWN

Point	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	0	54	0	54	0	65	0	65
P 2	5	54	5	65	5	65	5	65
P 3	10	54	10	83	10	65	10	70
P 4	15	54	15	104	15	65	15	76
P 5			20	128	20	65	20	84
F			25	155	25	65	25	93
P 7			30	176	30	65	30	101
P 8					35	65	35	111
P					40	65	40	120
P10					45	65	45	132
P11							50	143
P12							55	155
P13							60	166
F14							65	177
P15							70	188
P16							75	198
P17							80	210
P18							85	221
P19							90	231
P20								

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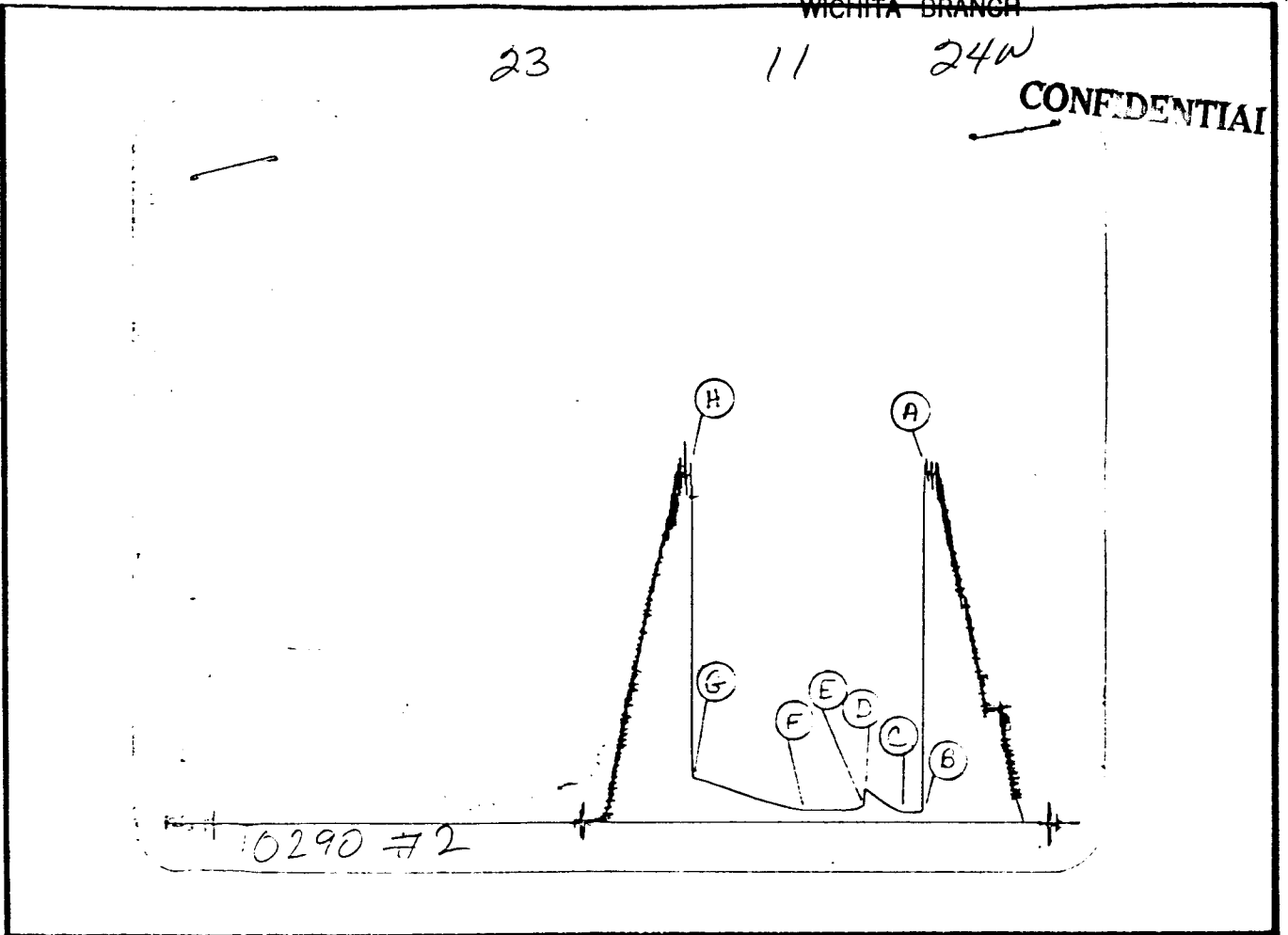
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11

24W

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This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2086	2081	PSI
(B) First Initial Flow Pressure	53	54	PSI
(C) First Final Flow Pressure	53	54	PSI
(D) Initial Closed-in Pressure	201	176	PSI
(E) Second Initial Flow Pressure	74	65	PSI
(F) Second Final Flow Pressure	74	65	PSI
(G) Final Closed-in Pressure	264	231	PSI
(H) Final Hydrostatic Mud	2076	2071	PSI

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