



INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
Elevation - Formation - Effective Pay - Ft. Ticket No. 21519  
Date 6-18-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
Test Approved by James F. Dilts Western Representative Lester Spies

Formation Test No. 1 O.K. - Misrun X Interval Tested From 3265' to 3341' Total Depth 4700'  
Size Main Hole 7 7/8 at Hole X Conv. - B.T. X Damaged - Yes X No Conv. - B.T. - Damaged - Yes - No  
Top Packer Depth 3265 Ft. Size 6 3/4 Bottom Packer Depth 3341 Ft. Size 6 3/4  
Straddle Yes Conv. - B.T. X Damaged - Yes X No Packer Depth 3341 Ft. Size 6 3/4  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 76 Ft. Size 32' not perf. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3275 Ft. Clock No. 6806 Depth 3278 Ft. Clock No. 6774  
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2605 Inside Outside  
Below Straddle: Depth 3350 Rec. No. 2607 Clock No. 9725 Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 9:27 M  
Tool Open I.F.P. From 9:30 M. to 10:00 M. - Hr. 30 Min. From (B) 486 P.S.I. To (C) 809 P.S.I.  
Tool Closed I.C.I.P. From 10:00 M. to 10:30 M. - Hr. 30 Min (D) 921 P.S.I.  
Tool Open F.F.P. From 10:30 M. to 11:30 M. - Hr. 60 Min. From (E) 836 P.S.I. To (F) 841 P.S.I.  
Tool Closed F.C.I.P. From 11:30 M. to 12:30 M. - Hr. 60 Min. (G) 944 P.S.I.  
Initial Hydrostatic Pressure (A) 1864 P.S.I. Final Hydrostatic Pressure (H) 1797 P.S.I. Maximum Temp. Not taken

**INFORMATION**

BLOW Strong blow during initial flow period. Strong steady blow slightly decreasing during final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 1572' of muddy water

Reversed Out X Yes - No Mud Type Impermiw Viscosity 56 Weight 10.2 Water Loss 20.4 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? No Did Tool Plug? No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr., Inc. Length Drill Pipe? 2366 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 885 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 93 Ft. 32' - 1 joint weight pipe.

Remarks: Moved 4' down the hole to get hook set - set hook 3 times until it stayed. Bottom packer did not hold.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

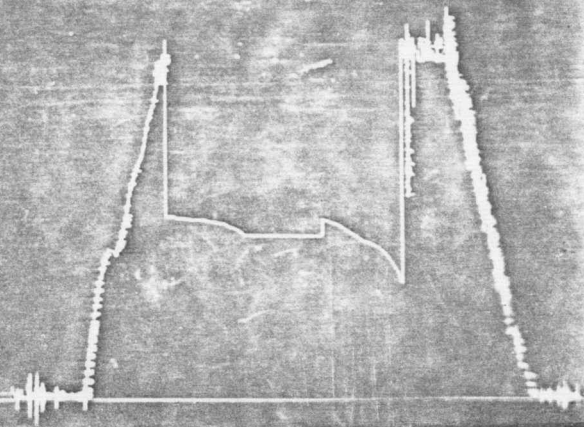
Date 6-18-76 Test Ticket No. 21519  
 Recorder No. 969 Capacity 4150 Location 3275 Ft.  
 Clock No. 6806 Elevation - Well Temperature - °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	1864	P.S.I.	Open Tool	9:27	M
B First Initial Flow Pressure	486	P.S.I.	First Flow Pressure	30	Mins.
C First Final Flow Pressure	809	P.S.I.	Initial Closed-in Pressure	30	Mins.
D Initial Closed-in Pressure	921	P.S.I.	Second Flow Pressure	60	Mins.
E Second Initial Flow Pressure	836	P.S.I.	Final Closed-in Pressure	60	Mins.
F Second Final Flow Pressure	841	P.S.I.			
G Final Closed-in Pressure	944	P.S.I.			
H Final Hydrostatic Mud	1797	P.S.I.			

**PRESSURE BREAKDOWN**

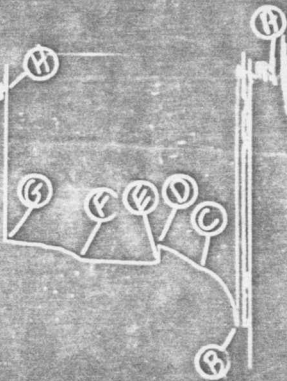
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>486</u>	<u>0</u>	<u>809</u>	<u>0</u>	<u>836</u>	<u>0</u>	<u>841</u>
P 2 <u>5</u>	<u>632</u>	<u>3</u>	<u>824</u>	<u>5</u>	<u>826</u>	<u>3</u>	<u>856</u>
P 3 <u>10</u>	<u>700</u>	<u>6</u>	<u>840</u>	<u>10</u>	<u>826</u>	<u>6</u>	<u>871</u>
P 4 <u>15</u>	<u>747</u>	<u>9</u>	<u>854</u>	<u>15</u>	<u>827</u>	<u>9</u>	<u>881</u>
P 5 <u>20</u>	<u>777</u>	<u>12</u>	<u>867</u>	<u>20</u>	<u>828</u>	<u>12</u>	<u>887</u>
P 6 <u>25</u>	<u>794</u>	<u>15</u>	<u>879</u>	<u>25</u>	<u>829</u>	<u>15</u>	<u>899</u>
P 7 <u>30</u>	<u>809</u>	<u>18</u>	<u>893</u>	<u>30</u>	<u>832</u>	<u>18</u>	<u>904</u>
P 8 _____	_____	<u>21</u>	<u>902</u>	<u>35</u>	<u>833</u>	<u>21</u>	<u>908</u>
P 9 _____	_____	<u>24</u>	<u>909</u>	<u>40</u>	<u>834</u>	<u>24</u>	<u>911</u>
P 10 _____	_____	<u>27</u>	<u>918</u>	<u>45</u>	<u>836</u>	<u>27</u>	<u>913</u>
P 11 _____	_____	<u>30</u>	<u>921</u>	<u>50</u>	<u>837</u>	<u>30</u>	<u>922</u>
P 12 _____	_____	_____	_____	<u>55</u>	<u>840</u>	<u>33</u>	<u>924</u>
P 13 _____	_____	_____	_____	<u>60</u>	<u>841</u>	<u>36</u>	<u>925</u>
P 14 _____	_____	_____	_____	_____	_____	<u>39</u>	<u>925</u>
P 15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>928</u>
P 16 _____	_____	_____	_____	_____	_____	<u>45</u>	<u>932</u>
P 17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>933</u>
P 18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>935</u>
P 19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>941</u>
P 20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>943</u>
						<u>60</u>	<u>944</u>

71st # 21519  
Below Straddle test



THT 21517

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INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21520  
Date 6-18-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
Test Approved by James Dilts Western Representative Lester Spies

Formation Test No. 2 O.K. - Misrun X Interval Tested From 4630' to 4666' Total Depth 4700'  
Size Main Hole 7 7/8 Cat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No  
Top Packer Depth 4625 Ft. Size 6 3/4 Bottom Packer Depth 4630 Ft. Size 6 3/4  
Straddle Yes Conv. X B.T. - Damaged - Yes X No Packer Depth 4666 Ft. Size 6 3/4  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 36 Perf. - Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4635 Ft. Clock No. 6806 Depth 4638 Ft. Clock No. 6774  
Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Inside Bottom Make Kuster Cap. 4150 No. 2605 ~~Inside~~ Inside  
Below Straddle: Depth 4700 Rec. No. 2607 Clock No. 9725 ~~Inside~~ Inside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Inside

Time Set Packer - M  
Tool Open I.F.P. From - M. to - M. Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.  
Tool Closed I.C.I.P. From - M. to - M. Hr. - Min (D) - P.S.I.  
Tool Open F.F.P. From - M. to - M. Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.  
Tool Closed F.C.I.P. From - M. to - M. Hr. - Min. (G) - P.S.I.  
Initial Hydrostatic Pressure (A) 1313 P.S.I. Final Hydrostatic Pressure (H) 1310 P.S.I. Maximum Temp. Not taken

INFORMATION

BLOW Misrun

Did Well Flow - Yes X No - Recovery Total Ft. Misrun

Reversed Out - Yes X No - Mud Type Impermix Viscosity 56 Weight 10.2 Water Loss 20.9 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 In. Make WTC Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr., Inc Length Drill Pipe 3718 Ft. I.D. Drill Pipe 286 In. Tool Joint Size 4 1/2 FH In.  
Length Weight Pipe 885 Ft. I.D. Weight Pipe 256 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.  
Tool Joint Size - In. Length D.S.T. Tool 97 Ft. including tail pipe

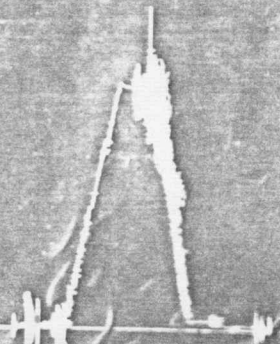
Remarks: Lost circulation 21 1/2 stands off bottom.

TAT# 41520

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TAT 21520  
Below Straddle test





INC.  
P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21521  
 Date 6-19-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
 Test Approved by James F. Dilts Western Representative Lester Spies  
 Formation Test No. 3 O.K.  Misrun  Interval Tested From 4630' to 4666' Total Depth 4666'  
 Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 4625 Ft. Size 6 3/4 Bottom Packer Depth 4630 Ft. Size 6 3/4  
 Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 4666 Ft. Size 6 3/4  
 Tool Size 5 1/2 OD Tool Joint Size \_\_\_\_\_ Anchor Length \_\_\_\_\_ Ft. Size \_\_\_\_\_ Surface Choke Size \_\_\_\_\_ In. Bottom Choke Size \_\_\_\_\_ In.  
 RECORDERS Depth 4635 Ft. Clock No. 6806 Depth 4638 Ft. Clock No. 6774  
 Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2605 Inside Outside  
 Below Straddle: Depth 4700 Rec. No. 2607 Clock No. 9725 Inside Outside Depth \_\_\_\_\_ Ft. Rec. No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside Outside  
 Time Set Packer 2:26 M  
 Tool Open I.F.P. From 2:30 M. to 3:00 M. - Hr. 30 Min. From (B) 47 P.S.I. To (C) 375 P.S.I.  
 Tool Closed I.C.I.P. From 3:00 M. to 3:30 M. - Hr. 30 Min (D) 1152 P.S.I.  
 Tool Open F.F.P. From 3:30 M. to 4:00 M. - Hr. 30 Min. From (E) 361 P.S.I. To (F) 513 P.S.I.  
 Tool Closed F.C.I.P. From 4:00 M. to 4:30 M. - Hr. 30 Min. (G) 1146 P.S.I.  
 Initial Hydrostatic Pressure (A) 2342 P.S.I. Final Hydrostatic Pressure (H) 2295 P.S.I. Maximum Temp. Not taken

**INFORMATION**

BLOW Weak to a strong blow in 10 minutes on initial flow period. Fair to a strong blow in five minutes on final flow period.

Did Well Flow  Yes  No Recovery Total Ft. 300' of muddy water with very few spots of oil, 1050' of sulfur water.

Reversed Out  Yes  No Mud Type Impermix Viscosity 50 Weight 8.8 Water Loss 8.4 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint  Yes Jars: Size 4 In. Make WTC Ser. No. -

~~Top~~ Packer  Yes Did Packers Hold?  Yes Did Tool Plug?  No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petroleum Length Drill Pipe? 3718 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 885 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 97 Ft. including 1 joint of weight pipe.

Remarks: Ran dual packers on top. Slight plugging action for five minutes on initial flow period. Slight plugging action for three minutes on final flow period. Bottom packer leaked slightly.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-19-76 Test Ticket No. 21521  
 Recorder No. 969 Capacity 4150 Location 4635 Ft.  
 Clock No. 6806 Elevation - Well Temperature - °F

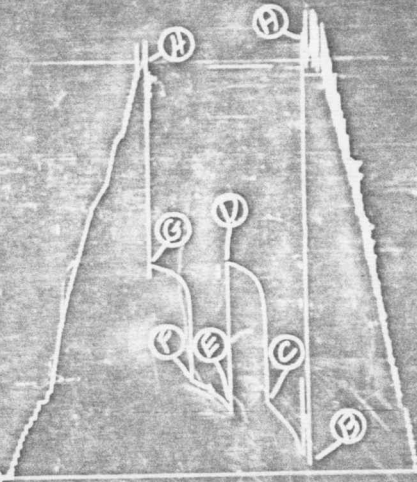
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2342</u> P.S.I.	Open Tool	<u>2:26</u> M	
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>375</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1152</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>361</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>513</u> P.S.I.			
G Final Closed-in Pressure	<u>1146</u> P.S.I.			
H Final Hydrostatic Mud	<u>2295</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>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>47</u>	<u>0</u>	<u>375</u>	<u>0</u>	<u>361</u>	<u>0</u>	<u>513</u>
P 2 <u>5</u>	<u>102</u>	<u>3</u>	<u>955</u>	<u>5</u>	<u>395</u>	<u>3</u>	<u>1010</u>
P 3 <u>10</u>	<u>186</u>	<u>6</u>	<u>1034</u>	<u>10</u>	<u>427</u>	<u>6</u>	<u>1055</u>
P 4 <u>15</u>	<u>246</u>	<u>9</u>	<u>1068</u>	<u>15</u>	<u>453</u>	<u>9</u>	<u>1082</u>
P 5 <u>20</u>	<u>291</u>	<u>12</u>	<u>1092</u>	<u>20</u>	<u>481</u>	<u>12</u>	<u>1095</u>
P 6 <u>25</u>	<u>334</u>	<u>15</u>	<u>1108</u>	<u>25</u>	<u>499</u>	<u>15</u>	<u>1111</u>
P 7 <u>30</u>	<u>375</u>	<u>18</u>	<u>1121</u>	<u>30</u>	<u>513</u>	<u>18</u>	<u>1120</u>
P 8 _____	_____	<u>21</u>	<u>1133</u>	_____	_____	<u>21</u>	<u>1127</u>
P 9 _____	_____	<u>24</u>	<u>1143</u>	_____	_____	<u>24</u>	<u>1135</u>
P10 _____	_____	<u>27</u>	<u>1149</u>	_____	_____	<u>27</u>	<u>1142</u>
P11 _____	_____	<u>30</u>	<u>1152</u>	_____	_____	<u>30</u>	<u>1146</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

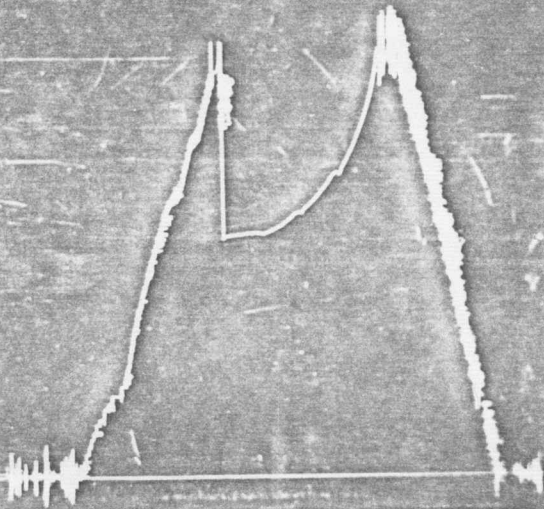
THT 21521

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TNT 21521

B. low, Strachell, test





INC.  
P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1

Elevation - Formation - Effective Pay - Ft. Ticket No. 21522

Date 6-20-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas

Test Approved by James F. Dilts Western Representative Lester Spies

Formation Test No. 4 O.K.  Misrun  Interval Tested From 4160' to 4196' Total Depth 4700'

Size Main Hole 7 7/8 Cat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No

Top Packer Depth 4160 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -

Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 4196 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4165 Ft. Clock No. 6806 Depth 4168 Ft. Clock No. 6774

Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2605 ~~Inside~~ Outside

Below Straddle: Depth 4235 Rec. No. 2607 Clock No. 9725 ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 9:57 M

Tool Open I.F.P. From 10:00 M. to 10:30 M. - Hr. 30 Min. From (B) 70 P.S.I. To (C) 518 P.S.I.

Tool Closed I.C.I.P. From 10:30 M. to 11:00 M. - Hr. 30 Min (D) 1141 P.S.I.

Tool Open F.F.P. From 11:00 M. to 11:30 M. - Hr. 30 Min. From (E) 535 P.S.I. To (F) 717 P.S.I.

Tool Closed F.C.I.P. From 11:30 M. to 12:00 M. - Hr. 30 Min. (G) 1134 P.S.I.

Initial Hydrostatic Pressure (A) 2158 P.S.I. Final Hydrostatic Pressure (H) 2017 P.S.I. Maximum Temp. Not taken

**INFORMATION**

BLOW Weak to a strong blow in 15 minutes on initial flow period. Fair blow to a strong blow in three minutes on final flow period.

Did Well Flow  Yes  No Recovery Total Ft. 1600' of sulfur water with light scum of dead oil. Ground out at .02% oil, .25% mud and .73% water.

Reversed Out  Yes  No Mud Type Impermix Viscosity 50 Weight 8.8 Water Loss 8.6 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 In. Make WTC Ser. No. -

~~Top~~ Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr., Inc Length Drill Pipe? 3216 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 885 Ft. I.D. Weight Pipe 256 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 95 Ft.

Remarks: Ran dual packers on bottom. Set hook 2' deeper. Slight plugging action on initial flow period.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-20-76 Test Ticket No. 21522  
 Recorder No. 969 Capacity 4150 Location 4165 Ft.  
 Clock No. 6806 Elevation - Well Temperature - °F

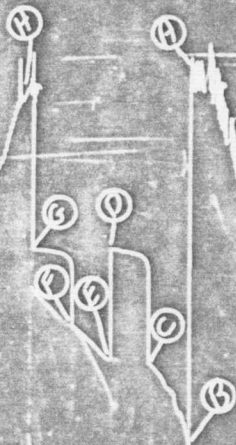
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2158 P.S.I.	Open Tool	9:57	M
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	30	Mins. 32 Mins.
C First Final Flow Pressure	518 P.S.I.	Initial Closed-in Pressure	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1141 P.S.I.	Second Flow Pressure	30	Mins. 30 Mins.
E Second Initial Flow Pressure	535 P.S.I.	Final Closed-in Pressure	30	Mins. 30 Mins.
F Second Final Flow Pressure	717 P.S.I.			
G Final Closed-in Pressure	1134 P.S.I.			
H Final Hydrostatic Mud	2017 P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>2</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	70	0	518	0	535	0	717
P 2 5	207	3	1068	5	551	3	1088
P 3 10	277	6	1096	10	587	6	1107
P 4 15	366	9	1113	15	626	9	1117
P 5 20	420	12	1117	20	658	12	1121
P 6 25	471	15	1122	25	688	15	1125
P 7 30	508	18	1125	30	717	18	1128
P 8 32	518	21	1129			21	1130
P 9		24	1137			24	1132
P10		27	1139			27	1133
P11		30	1141			30	1134
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

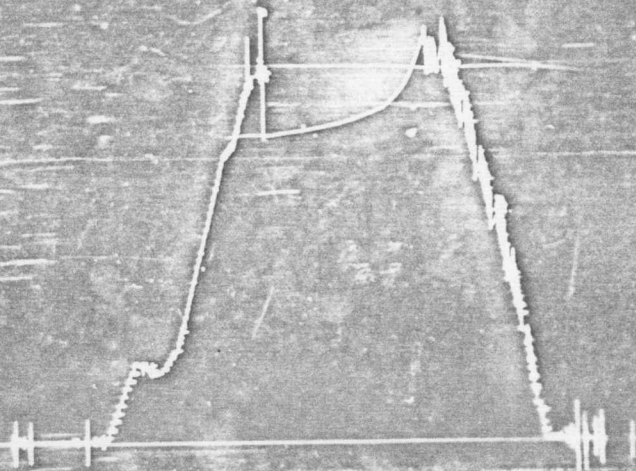
TH 21522

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THT<sup>no</sup> 21522

Br low Stradelle test





INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
Elevation - Formation - Effective Pay - Ft. Ticket No. 21523  
Date 6-20-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
Test Approved by James F. Dilts Western Representative Lester Spies

Formation Test No. 5 O.K.  Misrun  Interval Tested From 4030' to 4066' Total Depth 4700'  
Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4030 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 4066 Ft. Size 6 3/4  
Tool Size 5 1/2 O D Tool Joint Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4035 Ft. Clock No. 6806 Depth 4038 Ft. Clock No. 6774  
Top Make Kuster Cap. 4150 No. 969 Inside Bottom Make Kuster Cap. 4150 No. 2605 Inside  
Below Straddle: Depth 4105 Rec. No. 2607 Clock No. 9725 Inside Depth - Ft. Rec. No. - Clock No. - Inside

Time Set Packer 4:57 M  
Tool Open I.F.P. From 5:00 M. to 5:30 M. - Hr. 30 Min. From (B) 755 P.S.I. To (C) 1103 P.S.I.  
Tool Closed I.C.I.P. From 5:30 M. to 6:00 M. - Hr. 30 Min (D) 1105 P.S.I.  
Tool Open F.F.P. From 6:00 M. to 6:30 M. - Hr. 30 Min. From (E) 1105 P.S.I. To (F) 1100 P.S.I.  
Tool Closed F.C.I.P. From 6:30 M. to 7:00 M. - Hr. 30 Min. (G) 1104 P.S.I.  
Initial Hydrostatic Pressure (A) 2084 P.S.I. Final Hydrostatic Pressure (H) 1960 P.S.I. Maximum Temp. Not taken

**INFORMATION**

BLOW Strong blow on initial flow period. Weak decreasing blow during final flow period.

Did Well Flow  Yes  No Recovery Total Ft. 400' of muddy sulfur water. Ground out - 7% mud and 93% water  
2020' of sulfur water.

Reversed Out  Yes  No Mud Type Impermix Viscosity 50 Weight 8.8 Water Loss 8.6 cc. Chlorides -

EXTRA EQUIPMENT: Type Three Circ. Sub. Pin Safety Joint Yes Jars: Size 4 In. Make WTC Ser. No. -

~~Down~~ Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr. Inc. Length Drill Pipe? 3086 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.  
Length Weight Pipe 885 Ft. I.D. Weight Pipe 256 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.  
Tool Joint Size - In. Length D.S.T. Tool 95 Ft.

Remarks: Ran dual packers on bottom. Set hook 2' deeper. Straight line test after first final flow period on initial flow period.

**WESTERN TESTING CO., INC.**  
Pressure Data

Date 6-20-76

Test Ticket No. 21523

Recorder No. 969 Capacity 4150 Location 4035 Ft.

Clock No. 6806 Elevation - Well Temperature \_\_\_\_\_ °F

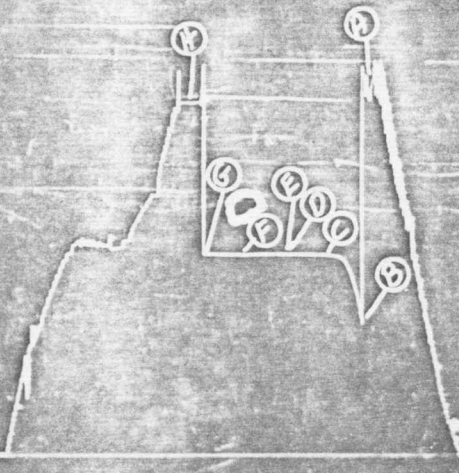
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2084</u>	P.S.I.	<u>4:57</u>	<u>M</u>
B First Initial Flow Pressure	<u>755</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u> Mins.
C First Final Flow Pressure	<u>1103</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u> Mins.
D Initial Closed-in Pressure	<u>1105</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u> Mins.
E Second Initial Flow Pressure	<u>1105</u>	P.S.I.	<u>30</u>	<u>Mins. 27</u> Mins.
F Second Final Flow Pressure	<u>1100</u>	P.S.I.		
G Final Closed-in Pressure	<u>1104</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1960</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>755</u>	<u>0</u>	<u>1103</u>	<u>0</u>	<u>1105</u>	<u>0</u>	<u>1100</u>
P 2 <u>5</u>	<u>910</u>	<u>3</u>	<u>1104</u>	<u>5</u>	<u>1105</u>	<u>3</u>	<u>1100</u>
P 3 <u>10</u>	<u>1019</u>	<u>6</u>	<u>1104</u>	<u>10</u>	<u>1105</u>	<u>6</u>	<u>1101</u>
P 4 <u>15</u>	<u>1076</u>	<u>9</u>	<u>1104</u>	<u>15</u>	<u>1105</u>	<u>9</u>	<u>1101</u>
P 5 <u>20</u>	<u>1092</u>	<u>12</u>	<u>1105</u>	<u>20</u>	<u>1103</u>	<u>12</u>	<u>1102</u>
P 6 <u>25</u>	<u>1098</u>	<u>15</u>	<u>1105</u>	<u>25</u>	<u>1100</u>	<u>15</u>	<u>1102</u>
P 7 <u>30</u>	<u>1103</u>	<u>18</u>	<u>1105</u>	<u>30</u>	<u>1100</u>	<u>18</u>	<u>1103</u>
P 8 _____	_____	<u>21</u>	<u>1105</u>	_____	_____	<u>21</u>	<u>1103</u>
P 9 _____	_____	<u>24</u>	<u>1105</u>	_____	_____	<u>24</u>	<u>1104</u>
P10 _____	_____	<u>27</u>	<u>1105</u>	_____	_____	<u>27</u>	<u>1104</u>
P11 _____	_____	<u>30</u>	<u>1105</u>	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT 21523

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TAT 21523

Below standard test





INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 21524  
Date 6-20-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
Test Approved by James F. Dilts Western Representative Lester Spies

Formation Test No. 6 O.K.  Misrun  Interval Tested From 3902' to 3938' Total Depth 4700'  
Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 3902 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 3938 Ft. Size 6 3/4  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3907 Ft. Clock No. 6806 Depth 3910 Ft. Clock No. 6774  
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2605 Inside Outside  
Below Straddle: Depth 3977 Rec. No. 2607 Clock No. 9725 Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 12:57 M  
Tool Open I.F.P. From 1:00 M. to 1:30 M. - Hr. 30 Min. From (B) 33 P.S.I. To (C) 52 P.S.I.  
Tool Closed I.C.I.P. From 1:30 M. to 2:00 M. - Hr. 30 Min (D) 1046 P.S.I.  
Tool Open F.F.P. From 2:00 M. to 2:30 M. - Hr. 30 Min. From (E) 72 P.S.I. To (F) 97 P.S.I.  
Tool Closed F.C.I.P. From 2:30 M. to 3:00 M. - Hr. 30 Min. (G) 1040 P.S.I.  
Initial Hydrostatic Pressure (A) 1983 P.S.I. Final Hydrostatic Pressure (H) 1952 P.S.I. Maximum Temp. Not taken

**INFORMATION**

BLOW Weak blow for 10 minutes then died during initial flow period. Dead blow on final flow period.

Did Well Flow - Yes  No  Recovery Total Ft. 375' of thin drilling mud. Ground out- 60% mud, 40% water.

Reversed Out - Yes  No  Mud Type Impermix Viscosity 50 Weight 8.8 Water Loss 8.6 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 In. Make WTC Ser. No. -

Three ~~xxx~~ Dual Packer  Did Packers Hold?  Did Tool Plug?  No Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr., Inc Length Drill Pipe 2958 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 885 Ft. I.D. Weight Pipe 2.56 Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 95 Ft.

Remarks: Ran dual packers on bottom. Set hook 2' higher. Slight plugging action on initial flow period.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-20-76

Test Ticket No. 21524

Recorder No. 969 Capacity 4150 Location 3907 Ft.

Clock No. 6806 Elevation - Well Temperature - °F

Point	Pressure		Time	
			Given	Computed
A Initial Hydrostatic Mud	<u>1983</u>	P.S.I.	<u>12:57</u>	<u>M</u>
B First Initial Flow Pressure	<u>33</u>	P.S.I.	<u>30</u>	<u>Mins. 30 Mins.</u>
C First Final Flow Pressure	<u>52</u>	P.S.I.	<u>30</u>	<u>Mins. 30 Mins.</u>
D Initial Closed-in Pressure	<u>1046</u>	P.S.I.	<u>30</u>	<u>Mins. 30 Mins.</u>
E Second Initial Flow Pressure	<u>72</u>	P.S.I.	<u>30</u>	<u>Mins. 27 Mins.</u>
F Second Final Flow Pressure	<u>97</u>	P.S.I.		
G Final Closed-in Pressure	<u>1040</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1952</u>	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 10 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

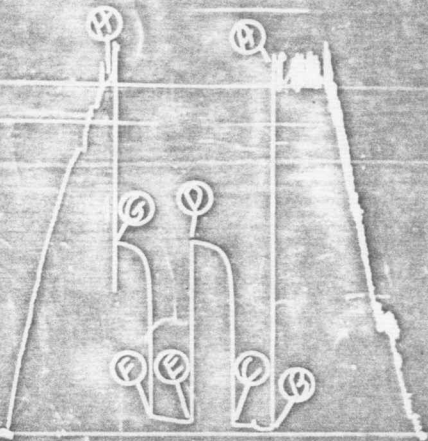
**Second Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 9 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

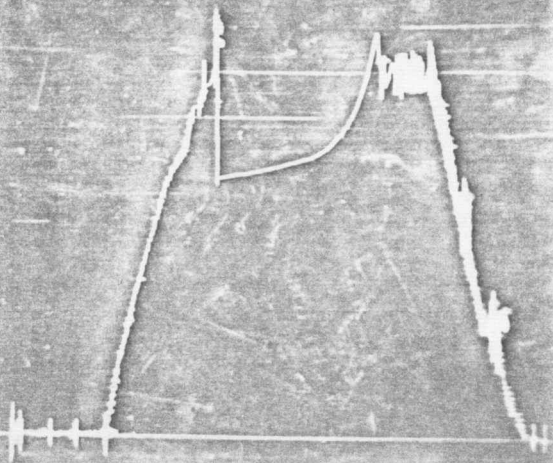
Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>33</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>97</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>729</u>	<u>5</u>	<u>67</u>	<u>3</u>	<u>903</u>
P 3 <u>10</u>	<u>30</u>	<u>6</u>	<u>930</u>	<u>10</u>	<u>71</u>	<u>6</u>	<u>965</u>
P 4 <u>15</u>	<u>53</u>	<u>9</u>	<u>977</u>	<u>15</u>	<u>78</u>	<u>9</u>	<u>992</u>
P 5 <u>20</u>	<u>49</u>	<u>12</u>	<u>1003</u>	<u>20</u>	<u>84</u>	<u>12</u>	<u>1011</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>1018</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>1020</u>
P 7 <u>30</u>	<u>52</u>	<u>18</u>	<u>1027</u>	<u>30</u>	<u>97</u>	<u>18</u>	<u>1029</u>
P 8 _____	_____	<u>21</u>	<u>1035</u>	_____	_____	<u>21</u>	<u>1035</u>
P 9 _____	_____	<u>24</u>	<u>1040</u>	_____	_____	<u>24</u>	<u>1039</u>
P10 _____	_____	<u>27</u>	<u>1044</u>	_____	_____	<u>27</u>	<u>1040</u>
P11 _____	_____	<u>30</u>	<u>1046</u>	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TST # 21524

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T-1 21524  
Below Strickland Reef





INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Grube #1  
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 21525  
Date 6-20-76 Sec. 21 Twp. 18S Range 31W County Scott State Kansas  
Test Approved by James F. Dilts Western Representative Lester Spies

Formation Test No. 7 O.K.  Misrun  Interval Tested From 4017' to 4048' Total Depth 4700'  
Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 4017 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth 4048 Ft. Size 6 3/4  
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 31 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS  
Depth 4022 Ft. Clock No. 6806 Depth 4025 Ft. Clock No. 6774  
Top Make Kuster Cap. 4150 No. 969 Inside Bottom Make Kuster Cap. 4150 No. 2605 Outside  
Below Straddle: Depth 4068 Rec. No. 2607 Clock No. 9725 Inside Depth - Ft. Rec. No. - Clock No. - Outside

Time Set Packer 6:57 M  
Tool Open I.F.P. From 7:00 M. to 7:30 M. - Hr. 30 Min. From (B) 181 P.S.I. To (C) 1010 P.S.I.  
Tool Closed I.C.I.P. From 7:30 M. to 8:00 M. - Hr. 30 Min (D) 1084 P.S.I.  
Tool Open F.F.P. From 8:00 M. to 8:30 M. - Hr. 30 Min. From (E) 1036 P.S.I. To (F) 1087 P.S.I.  
Tool Closed F.C.I.P. From 8:30 M. to 9:00 M. - Hr. 30 Min. (G) 1087 P.S.I.  
Initial Hydrostatic Pressure (A) 2027 P.S.I. Final Hydrostatic Pressure (H) 1964 P.S.I. Maximum Temp. Not taken

INFORMATION

BLOW Strong blow on initial flow period. Fair decreasing blow on final flow period.

Did Well Flow  Yes  No Recovery Total Ft. 2475' of sulfur water with trace of mud. Ground out at 92% water and 8% mud.

Reversed Out  Yes  No Mud Type Impermix Viscosity 50 Weight 8.8 Water Loss 8.6 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint  Yes  Jars: Size 4 In. Make WTC Ser. No. -

~~Down~~ Three Packer  Yes  No Did Packers Hold?  Yes  No Did Tool Plug?  No  Yes Where? -

DRILLING CONTRACTOR Dunne-Gardner Petr., Inc. Length Drill Pipe 4092 Ft. I.D. Drill Pipe 2.86 In. Tool Joint Size 4 1/2 FH In.  
Length Weight Pipe 885 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.  
Tool Joint Size - In. Length D.S.T. Tool 71 Ft.

Remarks: Dual packers on bottom. Set hook 2' deeper down the hole. Read recorder #2605.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 6-20-76 Test Ticket No. 21525  
 Recorder No. 2605 Capacity 4150 Location 4025 Ft.  
 Clock No. 6774 Elevation - Well Temperature - °F

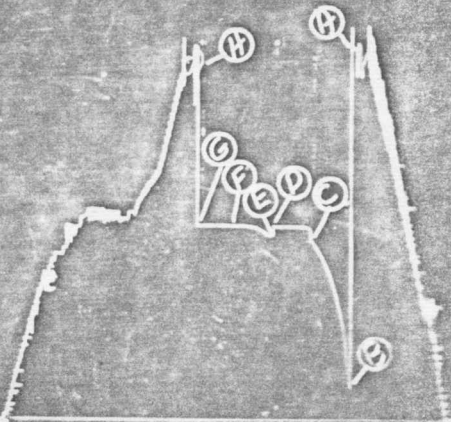
Point	Pressure		Time	
			Given	Computed
A Initial Hydrostatic Mud	<u>2027</u> P.S.I.	Open Tool	<u>6:57</u>	<u>M</u>
B First Initial Flow Pressure	<u>181</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>1010</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1084</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>1035</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>1087</u> P.S.I.			
G Final Closed-in Pressure	<u>1087</u> P.S.I.			
H Final Hydrostatic Mud	<u>1964</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u> <u>181</u>	<u>0</u> <u>1010</u>	<u>0</u> <u>1036</u>	<u>0</u> <u>1087</u>			
P 2	<u>5</u> <u>481</u>	<u>3</u> <u>1080</u>	<u>5</u> <u>1043</u>	<u>3</u> <u>1087</u>			
P 3	<u>10</u> <u>646</u>	<u>6</u> <u>1082</u>	<u>10</u> <u>1066</u>	<u>6</u> <u>1087</u>			
P 4	<u>15</u> <u>784</u>	<u>9</u> <u>1083</u>	<u>15</u> <u>1081</u>	<u>9</u> <u>1087</u>			
P 5	<u>20</u> <u>879</u>	<u>12</u> <u>1084</u>	<u>20</u> <u>1086</u>	<u>12</u> <u>1087</u>			
P 6	<u>25</u> <u>950</u>	<u>15</u> <u>1084</u>	<u>25</u> <u>1087</u>	<u>15</u> <u>1087</u>			
P 7	<u>30</u> <u>1010</u>	<u>18</u> <u>1084</u>	<u>30</u> <u>1087</u>	<u>18</u> <u>1087</u>			
P 8		<u>21</u> <u>1084</u>		<u>21</u> <u>1087</u>			
P 9		<u>24</u> <u>1084</u>		<u>24</u> <u>1087</u>			
P 10		<u>27</u> <u>1084</u>		<u>27</u> <u>1087</u>			
P 11		<u>30</u> <u>1084</u>		<u>30</u> <u>1087</u>			
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

TAT 21525

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T.T. # 21525

Below Stambello test

