



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21882

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Oswego Elevation 1003 GL Eff. Pay - Ft.

District Augusta Date 7-10-77 Customer Order No. _____

COMPANY NAME Dunne Enterprises Inc.

ADDRESS _____

LEASE AND WELL NO. Citizens Nat. Bk 82 Trust COUNTY Chgo. STATE Ks Sec. 15 Twp. 32S Rge. 12E

Mail Inv. To Same Co. Name _____ Address _____ No. Copies Requested 1

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 2 O.K. _____ Misrun _____ Interval Tested From 1276 to 1296 Total Depth 1296

Size Main Hole 6 1/4 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. X B.T. _____ Damaged _____ Yes X No

Top Packer Depth _____ Ft. Size _____ Bottom Packer Depth 1276 Ft. Size 5200

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 4 1/200 Tool Joint Size 3 1/2 IF Anchor Length 20 Ft. Size 4 1/200 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 1289 Ft. Clock No. 9102 Depth 1292 Ft. Clock No. 9727

Top Make Ruster Cap. 3150 No. 1562 Inside _____ Outside _____ Bottom Make Ruster Cap. 4200 No. 1559 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 12:56 M

Tool Open I.F.P. From 1:00 M. to 2:00 M. Hr. 60 Min. From (B) 81 P.S.I. To (C) 84 P.S.I.

Tool Closed I.C.I.P. From 2:00 M. to 2:30 M. Hr. 30 Min. (D) 1515 P.S.I.

Tool Open F.F.P. From 2:30 M. to 3:00 M. Hr. 30 Min. From (E) 815 P.S.I. To (F) 82 P.S.I.

Tool Closed F.C.I.P. From 3:00 M. to 3:30 M. Hr. 30 Min. (G) 1519 P.S.I.

Initial Hydrostatic Pressure (A) 600 P.S.I. Final Hydrostatic Pressure (H) 600 P.S.I. Maximum Temp. _____

INFORMATION

BLOW 24 ea 10 minutes - very weak intermittent 50 minutes

Did Well Flow _____ Yes X No _____ Recovery Total Ft. 20' Drilling mud w/ few specks of oil in tool

Reversed Out _____ Yes X No _____ Mud Type Chem Viscosity 40 Weight 9.4 Water Loss _____ cc. Chlorides _____

EXTRA EQUIPMENT: Type Circ. Sub. Pir Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers No Did Packers Hold? Yes Did Tool Plug? No Where? _____

DRILLING CONTRACTOR Alco Drilling Length Drill Pipe 171 ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 90 ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 35 ft.

Remarks _____

INVOICE SECTION

Open Hole Test	\$ <u>380.00</u>
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>380.00</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By D. Seiber Western Representative Norman Alb.

Signature of Customer or his
Authorized Representative

Operator's Time _____ Hrs.

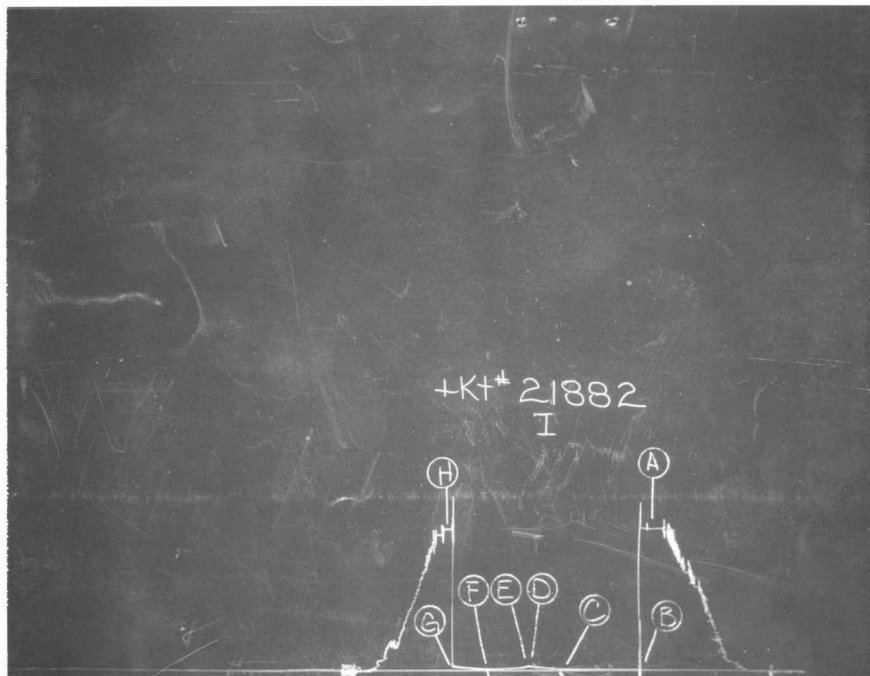
WESTERN TESTING CO., INC.
Pressure Data

Date 7-10-77 Test Ticket No. 21882
Recorder No. 1562 Capacity 3150 Location 1289 Ft.
Clock No. 9102 Elevation 1003 G.L. Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>601</u> P.S.I.	Open Tool	<u>12:56</u> M	
B First Initial Flow Pressure	<u>1</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>4</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>80</u> Mins.
D Initial Closed-in Pressure	<u>15</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>15</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>2</u> P.S.I.			
G Final Closed-in Pressure	<u>19</u> P.S.I.			
H Final Hydrostatic Mud	<u>599</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</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>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>1</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>2</u>
P 2 <u>5</u>	<u>1</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>8</u>	<u>3</u>	<u>3</u>
P 3 <u>10</u>	<u>1</u>	<u>6</u>	<u>5</u>	<u>10</u>	<u>8</u>	<u>6</u>	<u>5</u>
P 4 <u>15</u>	<u>1</u>	<u>9</u>	<u>6</u>	<u>15</u>	<u>5</u>	<u>9</u>	<u>7</u>
P 5 <u>20</u>	<u>2</u>	<u>12</u>	<u>8</u>	<u>20</u>	<u>3</u>	<u>12</u>	<u>10</u>
P 6 <u>25</u>	<u>2</u>	<u>15</u>	<u>9</u>	<u>25</u>	<u>2</u>	<u>15</u>	<u>13</u>
P 7 <u>30</u>	<u>2</u>	<u>18</u>	<u>11</u>	<u>30</u>	<u>2</u>	<u>18</u>	<u>14</u>
P 8 <u>35</u>	<u>2</u>	<u>21</u>	<u>13</u>	<u>35</u>		<u>21</u>	<u>16</u>
P 9 <u>40</u>	<u>3</u>	<u>24</u>	<u>14</u>	<u>40</u>		<u>24</u>	<u>17</u>
P10 <u>45</u>	<u>3</u>	<u>27</u>	<u>15</u>	<u>45</u>		<u>27</u>	<u>19</u>
P11 <u>50</u>	<u>3</u>	<u>30</u>		<u>50</u>		<u>30</u>	
P12 <u>55</u>	<u>4</u>	<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>	<u>4</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Dunne Equities, Inc. Lease & Well No. Citizens National Bank & Trust #1
Elevation 1003 Ground Level Formation Oswego Effective Pay - Ft. Ticket No. 21882
Date 7-10-77 Sec. 15 Twp. 32S Range 12E County Chautauqua State Kansas
Test Approved by D. Seeber Western Representative Norman Allen
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 1276' to 1296' Total Depth 1296'
Size Main Hole 6 1/4" Rat Hole ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth - Ft. Size - Bottom Packer Depth 1276 Ft. Size 5 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 20 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 1289 Ft. Clock No. 9102 Depth 1292 Ft. Clock No. 9727
Top Make Kuster Cap. 3150 No. 1562 Inside Bottom Make Kuster Cap. 4200 No. 1559 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Outside
Time Set Packer 12:56 A. M
Tool Open I.F.P. From 1:00A M. to 2:00A M. - Hr. 60 Min. From (B) 1 P.S.I. To (C) 4 P.S.I.
Tool Closed I.C.I.P. From 2:00A M. to 2:30A M. - Hr. 30 Min (D) 15 P.S.I.
Tool Open F.F.P. From 2:30A M. to 3:00A M. - Hr. 30 Min. From (E) 15 P.S.I. To (F) 2 P.S.I.
Tool Closed F.C.I.P. From 3:00A M. to 3:30A M. - Hr. 30 Min. (G) 19 P.S.I.
Initial Hydrostatic Pressure (A) 601 P.S.I. Final Hydrostatic Pressure (H) 599 P.S.I. Maximum Temp. -

INFORMATION

BLOW Weak blow for 10 mintes, very weak blow intermittently for 50 minutes.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 20' of drilling mud with few specks of oil in tool.

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 40 Weight 9.4 Water Loss - cc. Chlorides -

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

Dual Packer One Did Packers Hold? Yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Alco Drilling Co., Inc. Length Drill Pipe? 1171 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

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 Recorder No. 1562 Capacity 3150 Location 1289 Ft.
 Clock No. 9102 Elevation 1003 Ground Level Well Temperature - °F

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PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</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>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>1</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>2</u>
P 2 <u>5</u>	<u>1</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>8</u>	<u>3</u>	<u>3</u>
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