

Company Dunne-Gardner, Inc. Lease & Well No. Seward #3
Elevation 1530 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 1943
Date 4/1/79 Sec. 24 Twp. 27S Range 7E County Butler State Kansas
Test Approved by Dean Seeber Western Representative W. K. Hager
Formation Test No. 1 Interval Tested from 2086' ft. to 2105' ft. Total Depth 2105' ft.
Packer Depth 2081 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4086 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set --
Top Recorder Depth (Inside) 2092 ft. Recorder Number 1558 Cap. 4200
Bottom Recorder Depth (Outside) 2095 ft. Recorder Number 1559 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drilling #5 Drill Collar Length 341 I. D. 2 1/4 in.
Mud Type chemical Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.1 Water Loss 12.8 cc. Drill Pipe Length 1725 I. D. 3.8 in.
Chlorides 1,700 P.P.M. Test Tool Length 39' in. Tool Size 5 1/2 in.
Jars: Make -- Serial Number -- Anchor Length 19' ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Very weak blow; died 25 minutes into initial flow period/no blow on final flow period.

Recovered 5 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:20 ~~A.M.~~ P.M. Time Started Off Bottom 10:20 ~~A.M.~~ P.M. Maximum Temperature 100
Initial Hydrostatic Pressure (A) 1038 P.S.I.
Initial Flow Period Minutes 30 (B) 36 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period Minutes 30 (D) 57 P.S.I.
Final Flow Period Minutes 30 (E) 48 P.S.I. to (F) 29 P.S.I.
Final Closed In Period Minutes 30 (G) 38 P.S.I.
Final Hydrostatic Pressure (H) 1002 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

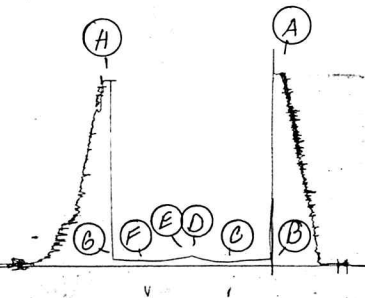
Date 4/1/79 Test Ticket No. 1943
 Recorder No. 1558 Capacity 4200 Location 2092 Ft.
 Clock No. -- Elevation 1530 Kelly Bushing Well Temperature 100 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1038 P.S.I.	Open Tool	8:20P M	
B First Initial Flow Pressure	36 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	23 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	57 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	48 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	29 P.S.I.			
G Final Closed-in Pressure	38 P.S.I.			
H Final Hydrostatic Mud	1002 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>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>36</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>29</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>30</u>
P 3 <u>10</u>	<u>32</u>	<u>6</u>	<u>23</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>31</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>23</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>32</u>
P 5 <u>20</u>	<u>29</u>	<u>12</u>	<u>27</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>33</u>
P 6 <u>25</u>	<u>25</u>	<u>15</u>	<u>32</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>34</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>38</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>35</u>
P 8		<u>21</u>	<u>45</u>			<u>21</u>	<u>36</u>
P 9		<u>24</u>	<u>51</u>			<u>24</u>	<u>37</u>
P10		<u>27</u>	<u>57</u>			<u>27</u>	<u>38</u>
P11						<u>30</u>	<u>38</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Company Dunne-Equities, Inc. Lease & Well No. Seward #3
Elevation 1530 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 1944
Date 4/2/79 Sec. 24 Twp. 27S Range 7E County Butler State Kansas
Test Approved by D. Seeber Western Representative W. K. Hager

Formation Test No. 2 Interval Tested from 2170' ft. to 2182' ft. Total Depth 2182' ft.

Packer Depth 2165 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2170 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2175 ft. Recorder Number 1558 Cap. 4200

Bottom Recorder Depth (Outside) 2178 ft. Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis #5 Drill Collar Length 341 I. D. 2 1/4 in.

Mud Type chemical Viscosity 51 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 1809 I. D. 3.8 in.

Chlorides 1,500 P.P.M. Test Tool Length 32' m= Tool Size 5 1/2 in.

Jars: Make -- Serial Number -- Anchor Length 12' ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Fair blow throughout both flow periods.

Recovered 90 ft. of gas in pipe

Recovered 32 ft. of mud with scum of oil

Recovered 30 ft. of heavy oil cut mud with show of free oil on tool

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:00 A.M. P.M. Time Started Off Bottom 10:00 A.M. P.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1054 P.S.I.

Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period Minutes 30 (D) 422 P.S.I.

Final Flow Period Minutes 60 (E) 74 P.S.I. to (F) 42 P.S.I.

Final Closed In Period Minutes 60 (G) 517 P.S.I.

Final Hydrostatic Pressure (H) 1048 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/2/79 Test Ticket No. 1944
Recorder No. 1558 Capacity 4200 Location 2175 Ft.
Clock No. -- Elevation 1530 Kelly Bushing Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1054 P.S.I.	Open Tool	7:00A	M
B First Initial Flow Pressure	44 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	27 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	422 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	74 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	42 P.S.I.			
G Final Closed-in Pressure	517 P.S.I.			
H Final Hydrostatic Mud	1048 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>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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	0	44	0	27	0	74	0	42
P 2	5	29	3	34	5	51	3	51
P 3	10	25	6	51	10	44	6	65
P 4	15	25	9	78	15	40	9	86
P 5	20	25	12	129	20	39	12	110
P 6	25	25	15	198	25	36	15	148
P 7	30	27	18	278	30	35	18	194
P 8			21	357	35	36	21	238
P 9			24	379	40	37	24	278
P10			27	402	45	38	27	319
P11			30	422	50	39	30	359
P12					55	41	33	378
P13					60	42	36	400
P14							39	434
P15							42	460
P16							45	481
P17							48	488
P18							51	495
P19							54	502
P20							57	510
							60	517

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