

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Dunne Equities, Inc.

Keller - Mirrick #1

Company _____ Lease & Well No. _____
Elevation 1439 Kelly Bushing Mississippi Formation Effective Pay _____ Ft. Ticket No. 250
Date 7/13/78 Sec. 10 Twp. 30S Range 6E County Cowley State Kansas
Test Approved by D. Seeber Western Representative Tim Wilson

Formation Test No. 1 Interval Tested from 2861' ft. to 2885' ft. Total Depth 2885' ft.

Packer Depth 2861 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2878 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2881 ft. Recorder Number 1558 Cap. 4200

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

Drilling Contractor White & Ellis #4 Drill Collar Length 148 I. D. 2 1/4 in.

Mud Type chemical Viscosity 42 Weight Pipe Length _____ I. D. _____ in.

Weight 9.2 Water Loss 11.6 cc. Drill Pipe Length 2699 I. D. 3.8 in.

Chlorides 1,000 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.

Jars: Make _____ Serial Number _____ Anchor Length 24 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.

Blow: Very weak blow for 15 minutes on initial flow period. Very weak blow increasing slightly
1 final flow period.

Recovered 80 ft. of drilling mud

Recovered 40 ft. of watery drilling mud

Recovered 30 ft. of muddy water

Recovered 150 ft. of total fluid with show of oil in tool

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:19 ~~A.M.~~ P.M. Time Started Off Bottom 11:36 ~~A.M.~~ P.M. Maximum Temperature 110

Initial Hydrostatic Pressure (A) 1468 P.S.I.

Initial Flow Period Minutes 30 (B) 10 P.S.I. to (C) 52 P.S.I.

Initial Closed In Period Minutes 45 (D) 982 P.S.I.

Final Flow Period Minutes 60 (E) 50 P.S.I. to (F) 70 P.S.I.

Final Closed In Period Minutes 60 (G) 979 P.S.I.

Final Hydrostatic Pressure (H) 1391 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/13/78 Test Ticket No. 250

Recorder No. 1559 Capacity 4200 Location 2878 Ft.

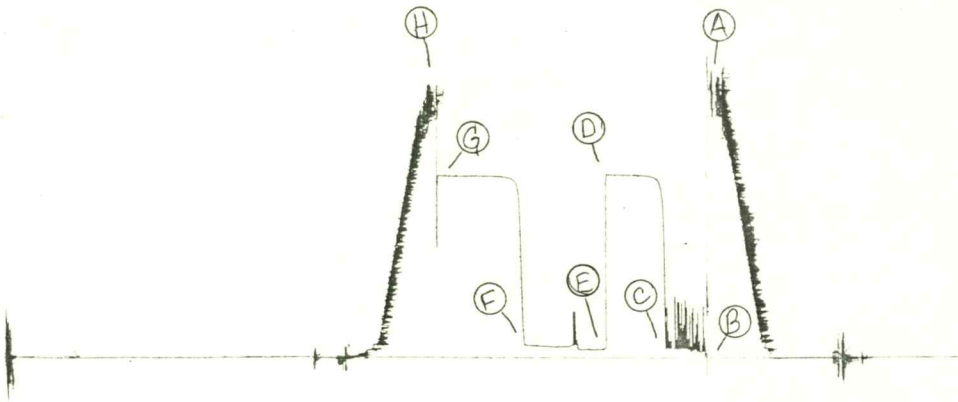
Clock No. ----- Elevation 1439 Kelly Bushing Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1468</u> P.S.I.	<u>8:19P</u> M	
B First Initial Flow Pressure	<u>10</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>982</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>50</u> P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>70</u> P.S.I.		
G Final Closed-in Pressure	<u>979</u> P.S.I.		
H Final Hydrostatic Mud	<u>1391</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>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>10</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>70</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>714</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>435</u>
P 3 <u>10</u>	<u>42</u>	<u>6</u>	<u>912</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>856</u>
P 4 <u>15</u>	<u>51</u>	<u>9</u>	<u>960</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>948</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>969</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>962</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>975</u>	<u>25</u>	<u>67</u>	<u>15</u>	<u>969</u>
P 7 <u>30</u>	<u>52</u>	<u>18</u>	<u>977</u>	<u>30</u>	<u>59</u>	<u>18</u>	<u>973</u>
P 8 _____		<u>21</u>	<u>979</u>	<u>35</u>	<u>58</u>	<u>21</u>	<u>974</u>
P 9 _____		<u>24</u>	<u>980</u>	<u>40</u>	<u>59</u>	<u>24</u>	<u>975</u>
P10 _____		<u>27</u>	<u>980</u>	<u>45</u>	<u>62</u>	<u>27</u>	<u>976</u>
P11 _____		<u>30</u>	<u>980</u>	<u>50</u>	<u>63</u>	<u>30</u>	<u>976</u>
P12 _____		<u>33</u>	<u>981</u>	<u>55</u>	<u>66</u>	<u>33</u>	<u>976</u>
P13 _____		<u>36</u>	<u>981</u>	<u>60</u>	<u>70</u>	<u>36</u>	<u>977</u>
P14 _____		<u>39</u>	<u>982</u>			<u>39</u>	<u>977</u>
P15 _____		<u>42</u>	<u>982</u>			<u>42</u>	<u>977</u>
P16 _____		<u>45</u>	<u>982</u>			<u>45</u>	<u>978</u>
P17 _____						<u>48</u>	<u>978</u>
P18 _____						<u>51</u>	<u>978</u>
P19 _____						<u>54</u>	<u>979</u>
P20 _____						<u>57</u>	<u>979</u>
						<u>60</u>	<u>979</u>

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WICHITA, KANSAS 67201

Company Dunne - Equities, Inc. Lease & Well No. Keller - Mirrick #1
Elevation 1439 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 285
Date 7/15/78 Sec. 10 Twp 30S Range 6E County Cowley State Kansas
Test Approved by D. Seeber Western Representative Will K. Hager

Formation Test No. 2 Interval Tested from 3285' ft. to 3295' ft. Total Depth 3295' ft.
Packer Depth 3285 ft. Size 6 3/4 in. Packer Depth --- ft. Size -- in.
Packer Depth --- ft. Size --- in. Packer Depth --- ft. Size -- in.
Depth of Selective Zone Set ----

Top Recorder Depth (Inside) 3282 ft. Recorder Number 1564 Cap. 3150
Bottom Recorder Depth (Outside) 3290 ft. Recorder Number 1562 Cap. 3150
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor White & Ellis Rig #4 Drill Collar Length 148' I. D. 4 1/2 FH in.
Mud Type chemical Viscosity 55 Weight Pipe Length -- I. D. -- in.
Weight 9.5 Water Loss 12.8 cc. Drill Pipe Length 3138 I. D. 4 H90 in.
Chlorides 900 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
Jars: Make -- Serial Number -- Anchor Length 10 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.

Blow: Weak blow throughout test.

Recovered 60 ft. of slightly oil cut mud
Recovered 60 ft. of water
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 4:45 ~~A.M.~~ P.M. Time Started Off Bottom 7:45 ~~A.M.~~ P.M. Maximum Temperature 112
Initial Hydrostatic Pressure (A) 1650 P.S.I.
Initial Flow Period Minutes 30 (B) 73 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period Minutes 30 (D) 1178 P.S.I.
Final Flow Period Minutes 60 (E) 74 P.S.I. to (F) 81 P.S.I.
Final Closed In Period Minutes 60 (G) 1180 P.S.I.
Final Hydrostatic Pressure (H) 1619 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

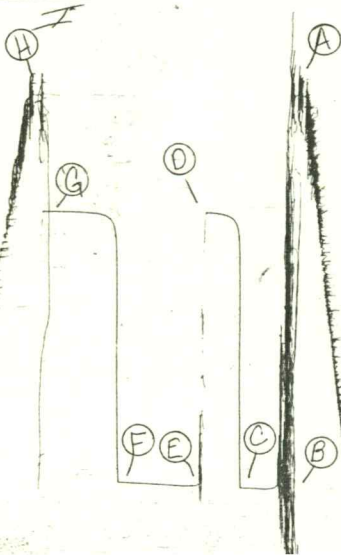
Date 7/15/78 Test Ticket No. 285
 Recorder No. 1564 Capacity 3150 Location 3282 Ft.
 Clock No. ----- Elevation 1439 Kelly Bushing Well Temperature 112 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1650 P.S.I.	4:45P	M
B First Initial Flow Pressure	73 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	59 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1178 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	74 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	81 P.S.I.		
G Final Closed-in Pressure	1180 P.S.I.		
H Final Hydrostatic Mud	1619 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>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>73</u>	<u>0</u>	<u>59</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>81</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>1111</u>	<u>5</u>	<u>67</u>	<u>3</u>	<u>1040</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>1149</u>	<u>10</u>	<u>67</u>	<u>6</u>	<u>1141</u>
P 4 <u>15</u>	<u>57</u>	<u>9</u>	<u>1161</u>	<u>15</u>	<u>67</u>	<u>9</u>	<u>1158</u>
P 5 <u>20</u>	<u>58</u>	<u>12</u>	<u>1168</u>	<u>20</u>	<u>69</u>	<u>12</u>	<u>1167</u>
P 6 <u>25</u>	<u>59</u>	<u>15</u>	<u>1172</u>	<u>25</u>	<u>70</u>	<u>15</u>	<u>1169</u>
P 7 <u>30</u>	<u>59</u>	<u>18</u>	<u>1174</u>	<u>30</u>	<u>73</u>	<u>18</u>	<u>1174</u>
P 8		<u>21</u>	<u>1177</u>	<u>35</u>	<u>74</u>	<u>21</u>	<u>1176</u>
P 9		<u>24</u>	<u>1178</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>1177</u>
P10		<u>27</u>	<u>1178</u>	<u>45</u>	<u>78</u>	<u>27</u>	<u>1178</u>
P11				<u>50</u>	<u>79</u>	<u>30</u>	<u>1178</u>
P12				<u>55</u>	<u>80</u>	<u>33</u>	<u>1178</u>
P13				<u>60</u>	<u>81</u>	<u>36</u>	<u>1179</u>
P14						<u>39</u>	<u>1179</u>
P15						<u>42</u>	<u>1179</u>
P16						<u>45</u>	<u>1179</u>
P17						<u>48</u>	<u>1180</u>
P18						<u>51</u>	<u>1180</u>
P19						<u>54</u>	<u>1180</u>
P20						<u>57</u>	<u>1180</u>
						<u>60</u>	<u>1180</u>

TKI# 285



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