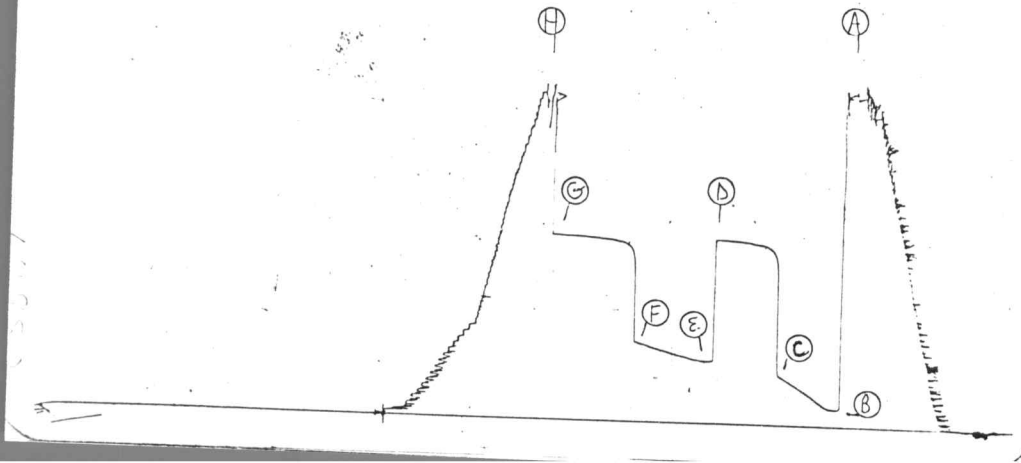


TKT # 16930

I





Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company K & E Petroleum, Inc. Lease & Well No. #1 Pelz
Elevation 2142 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 16930
Date 1/ 6/83 Sec. 10 Twp. 17S Range 19W County Rush State Kansas
Test Approved by Bob Douglass Western Representative Dan Delaney
Formation Test No. 1 Interval Tested from 3504 ft. to 3527 ft. Total Depth 3527 ft.
Packer Depth 3504 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.
Packer Depth 3499 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3513 ft. Recorder Number 10980 Cap. 4200
Bottom Recorder Depth (Outside) 3517 ft. Recorder Number 6077 Cap. 4700
Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -
Drilling Contractor Abercrombie Drlg. Rig #8 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 60 Weight Pipe Length 640 I. D. 2.7 in.
Weight 9.8 Water Loss 8.0 cc. Drill Pipe Length 2843 I. D. 3.8 in.
Chlorides 48,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-1/2 in.
Jars: Make - Serial Number - Anchor Length 23 ft. Size 5 1/2 in.
Did Well Flow? - Reversed Out - 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 XH in.
Blow: Weak blow building to a strong blow in fourteen minutes on initial flow period. Final
flow period strong blow throughout.
Recovered 55 ft. of gas in pipe
Recovered 185 ft. of oil and gas cut watery mud 35% gas; 24% water; 17% oil; 24% mud
Recovered 180 ft. of oil and gas cut muddy water 44% gas; 40% water; 13% oil; 3% mud
Recovered 480 ft. of slightly oil cut water 95% water; 5% oil
Recovered ft. of Chlorides 104,000 ppm
Remarks:

Time Set Packer(s) 1:45 A.M. = P.M. Time Started Off Bottom 5:15 A.M. = P.M. Maximum Temperature 113°
Initial Hydrostatic Pressure (A) 1815 P.S.I.
Initial Flow Period Minutes 45 (B) 96 P.S.I. to (C) 273 P.S.I.
Initial Closed In Period Minutes 48 (D) 1014 P.S.I.
Final Flow Period Minutes 60 (E) 344 P.S.I. to (F) 441 P.S.I.
Final Closed In Period Minutes 60 (G) 1017 P.S.I.
Final Hydrostatic Pressure (H) 1787 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/6/83

Test Ticket No. 16930

Recorder No. 10980

Capacity 4200

Location 3513 Ft.

Clock No. -- Elevation 2142 Kelly Bushing

Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1815</u> P.S.I.	Open Tool	<u>1:45P</u>	<u>M</u>
B First Initial Flow Pressure	<u>96</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>273</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1014</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>344</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>441</u> P.S.I.			
G Final Closed-in Pressure	<u>1017</u> P.S.I.			
H Final Hydrostatic Mud	<u>1787</u> P.S.I.			

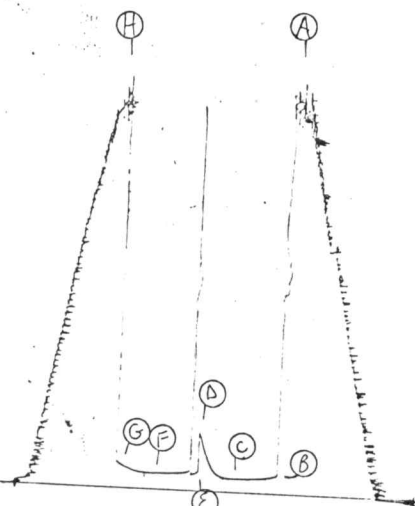
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>16</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>96</u>	<u>0</u>	<u>273</u>	<u>0</u>	<u>344</u>	<u>0</u>	<u>441</u>
P 2 <u>5</u>	<u>97</u>	<u>3</u>	<u>923</u>	<u>5</u>	<u>344</u>	<u>3</u>	<u>953</u>
P 3 <u>10</u>	<u>105</u>	<u>6</u>	<u>966</u>	<u>10</u>	<u>349</u>	<u>6</u>	<u>977</u>
P 4 <u>15</u>	<u>131</u>	<u>9</u>	<u>980</u>	<u>15</u>	<u>354</u>	<u>9</u>	<u>987</u>
P 5 <u>20</u>	<u>157</u>	<u>12</u>	<u>988</u>	<u>20</u>	<u>366</u>	<u>12</u>	<u>991</u>
P 6 <u>25</u>	<u>182</u>	<u>15</u>	<u>993</u>	<u>25</u>	<u>373</u>	<u>15</u>	<u>996</u>
P 7 <u>30</u>	<u>209</u>	<u>18</u>	<u>997</u>	<u>30</u>	<u>383</u>	<u>18</u>	<u>1001</u>
P 8 <u>35</u>	<u>232</u>	<u>21</u>	<u>1001</u>	<u>35</u>	<u>395</u>	<u>21</u>	<u>1005</u>
P 9 <u>40</u>	<u>253</u>	<u>24</u>	<u>1004</u>	<u>40</u>	<u>407</u>	<u>24</u>	<u>1006</u>
P10 <u>45</u>	<u>273</u>	<u>27</u>	<u>1006</u>	<u>45</u>	<u>416</u>	<u>27</u>	<u>1007</u>
P11		<u>30</u>	<u>1008</u>	<u>50</u>	<u>427</u>	<u>30</u>	<u>1008</u>
P12		<u>33</u>	<u>1009</u>	<u>55</u>	<u>438</u>	<u>33</u>	<u>1009</u>
P13		<u>36</u>	<u>1010</u>	<u>60</u>	<u>441</u>	<u>36</u>	<u>1010</u>
P14		<u>39</u>	<u>1011</u>			<u>39</u>	<u>1011</u>
P15		<u>42</u>	<u>1012</u>			<u>42</u>	<u>1012</u>
P16		<u>45</u>	<u>1013</u>			<u>45</u>	<u>1013</u>
P17		<u>48</u>	<u>1014</u>			<u>48</u>	<u>1014</u>
P18						<u>51</u>	<u>1015</u>
P19						<u>54</u>	<u>1016</u>
P20						<u>57</u>	<u>1017</u>
						<u>60</u>	<u>1017</u>

TKT # 16931

I

16931





Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company K & E Petroleum, Inc. Lease & Well No. #1 Pelz
Elevation 2142 Kelly Bushing Formation Conglomerate Effective Pay ---- Ft. Ticket No. 16931
Date 1/ 8 /83 Sec. 10 Twp. 17S Range 19W County Rush State Kansas
Test Approved by Bob Douglass Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 3845 ft. to 3859 ft. Total Depth 3859 ft.

Packer Depth 3845 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.

Packer Depth 3840 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3848 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 3852 ft. Recorder Number 6077 Cap. 4700

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

Drilling Contractor Abercrombie Drlg. Rig #8 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 38 Weight Pipe Length 640 I. D. 2.7 in.

Weight 9.8 Water Loss 24.2 cc. Drill Pipe Length 3184 I. D. 3.8 in.

Chlorides 46,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-1/2 in.

Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - 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 XH in.

Blow: Initial flow period weak blow and died in thirteen minutes. Final flow period - no blow flushed tool - no help.

Recovered 30 ft. of slightly oil specked mud (a scum of oil on gring out)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)	<u>9:25</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>11:25</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>109°</u>
Initial Hydrostatic Pressure			(A)	<u>2142</u>	P.S.I.		
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>75</u>	P.S.I. to (C) <u>75</u> P.S.I.
Initial Closed In Period			Minutes	<u>27</u>	(D)	<u>321</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>93</u>	P.S.I. to (F) <u>89</u> P.S.I.
Final Closed In Period			Minutes	<u>30</u>	(G)	<u>144</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>2136</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 1/8/83 Recorder No. 10980 Capacity 4200 Test Ticket No. 16931
 Clock No. -- Elevation 2142 Kelly Bushing Location 3848 Ft. Well Temperature 109 °F

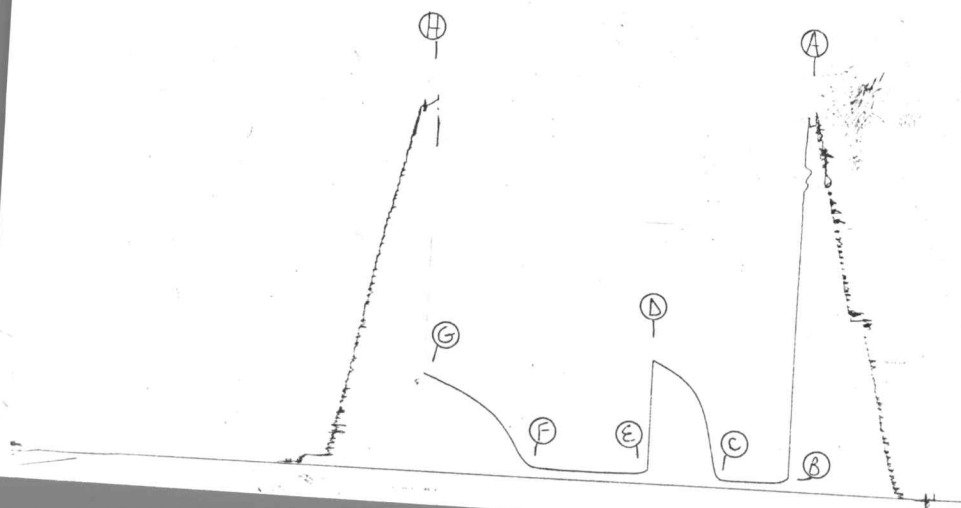
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2142	P.S.I.	9:25A	M
B First Initial Flow Pressure	75	P.S.I.	30	30 Mins.
C First Final Flow Pressure	75	P.S.I.	30	27 Mins.
D Initial Closed-in Pressure	321	P.S.I.	30	30 Mins.
E Second Initial Flow Pressure	93	P.S.I.	30	30 Mins.
F Second Final Flow Pressure	89	P.S.I.		
G Final Closed-in Pressure	144	P.S.I.		
H Final Hydrostatic Mud	2136	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>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>75</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>89</u>
P 2 <u>5</u>	<u>75</u>	<u>3</u>	<u>76</u>	<u>5</u>	FKUSHED TOOL	<u>3</u>	<u>90</u>
P 3 <u>10</u>	<u>75</u>	<u>6</u>	<u>78</u>	<u>10</u>	<u>100</u>	<u>6</u>	<u>91</u>
P 4 <u>15</u>	<u>75</u>	<u>9</u>	<u>81</u>	<u>15</u>	<u>96</u>	<u>9</u>	<u>92</u>
P 5 <u>20</u>	<u>75</u>	<u>12</u>	<u>91</u>	<u>20</u>	<u>93</u>	<u>12</u>	<u>94</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>105</u>	<u>25</u>	<u>91</u>	<u>15</u>	<u>98</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>137</u>	<u>30</u>	<u>89</u>	<u>18</u>	<u>103</u>
P 8		<u>21</u>	<u>191</u>			<u>21</u>	<u>112</u>
P 9		<u>24</u>	<u>253</u>			<u>24</u>	<u>120</u>
P10		<u>27</u>	<u>321</u>			<u>27</u>	<u>132</u>
P11						<u>30</u>	<u>144</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16932

I





Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company K & E Petroleum, Inc. Lease & Well No. #1 Pelz
Elevation 2142 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 16932
Date 1/ 8 /83 Sec. 10 Twp. 17S Range 19W County Rush State Kansas
Test Approved by Bob Douglass Western Representative Dan Delaney

Formation Test No. 3 Interval Tested from 3836 ft. to 3872 ft. Total Depth 3872 ft.

Packer Depth 3836 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.

Packer Depth 3831 ft. Size 6 5/8 in. Packer Depth --- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3839 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 3843 ft. Recorder Number 6077 Cap. 4700

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

Drilling Contractor Abercrombie Drlg. Rig #8 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 83 Weight Pipe Length 640 I. D. 2.7 in.

Weight 9.9 Water Loss - cc. Drill Pipe Length 3175 I. D. 3.8 in.

Chlorides ---- P.P.M. Test Tool Length 21 ft. Tool Size 4-1/2 in.

Jars: Make - Serial Number - Anchor Length 36 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - 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 XH in.

Blow: Initial flow period weak blow throughout (one inch)

Final flow period weak blow throughout (one fourth inch)

Recovered 45 ft. of mud A show of oil in tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:45 A.M. Time Started Off Bottom 4:15 P.M. Maximum Temperature 109°

Initial Hydrostatic Pressure 2004 P.S.I.

Initial Flow Period 50 Minutes (B) 42 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period 54 Minutes (D) 676 P.S.I.

Final Flow Period 85 Minutes (E) 52 P.S.I. to (F) 63 P.S.I.

Final Closed In Period 84 Minutes (G) 538 P.S.I.

Final Hydrostatic Pressure 1996 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/8/83 Recorder No. 10980 Capacity 4200 Test Ticket No. 16932
 Clock No. -- Elevation 2142 Kelly Bushing Location 3839 Ft. --
 Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2004	P.S.I.	11:45P	M
B First Initial Flow Pressure	42	P.S.I.	45	Mins. 50
C First Final Flow Pressure	45	P.S.I.	60	Mins. 54
D Initial Closed-in Pressure	676	P.S.I.	75	Mins. 85
E Second Initial Flow Pressure	52	P.S.I.	90	Mins. 84
F Second Final Flow Pressure	63	P.S.I.		
G Final Closed-in Pressure	538	P.S.I.		
H Final Hydrostatic Mud	1996	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>28</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>42</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>63</u>
P 2 <u>5</u>	<u>42</u>	<u>3</u>	<u>89</u>	<u>5</u>	<u>52</u>	<u>3</u>	<u>76</u>
P 3 <u>10</u>	<u>42</u>	<u>6</u>	<u>187</u>	<u>10</u>	<u>52</u>	<u>6</u>	<u>94</u>
P 4 <u>15</u>	<u>42</u>	<u>9</u>	<u>294</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>121</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>377</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>159</u>
P 6 <u>25</u>	<u>42</u>	<u>15</u>	<u>440</u>	<u>25</u>	<u>52</u>	<u>15</u>	<u>199</u>
P 7 <u>30</u>	<u>42</u>	<u>18</u>	<u>486</u>	<u>30</u>	<u>52</u>	<u>18</u>	<u>233</u>
P 8 <u>35</u>	<u>42</u>	<u>21</u>	<u>518</u>	<u>35</u>	<u>52</u>	<u>21</u>	<u>263</u>
P 9 <u>40</u>	<u>42</u>	<u>24</u>	<u>545</u>	<u>40</u>	<u>52</u>	<u>24</u>	<u>291</u>
P10 <u>45</u>	<u>43</u>	<u>27</u>	<u>566</u>	<u>45</u>	<u>52</u>	<u>27</u>	<u>318</u>
P11 <u>50</u>	<u>45</u>	<u>30</u>	<u>584</u>	<u>50</u>	<u>52</u>	<u>30</u>	<u>337</u>
P12		<u>33</u>	<u>603</u>	<u>55</u>	<u>52</u>	<u>33</u>	<u>354</u>
P13		<u>36</u>	<u>615</u>	<u>60</u>	<u>52</u>	<u>36</u>	<u>371</u>
P14		<u>39</u>	<u>628</u>	<u>65</u>	<u>53</u>	<u>39</u>	<u>387</u>
P15		<u>42</u>	<u>641</u>	<u>70</u>	<u>54</u>	<u>42</u>	<u>402</u>
P16		<u>45</u>	<u>652</u>	<u>75</u>	<u>55</u>	<u>45</u>	<u>415</u>
P17		<u>48</u>	<u>664</u>	<u>80</u>	<u>59</u>	<u>48</u>	<u>428</u>
P18		<u>51</u>	<u>674</u>	<u>85</u>	<u>63</u>	<u>51</u>	<u>440</u>
P19		<u>54</u>	<u>676</u>			<u>54</u>	<u>451</u>
P20						<u>57</u>	<u>461</u>
						<u>60</u>	<u>472</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1/8/83 Test Ticket No. 76932

Recorder No. 10980 Capacity 4200 Location 3839 Ft.

Clock No. -- Elevation 2142 Kelly Bushing Well Temperature 109 °F

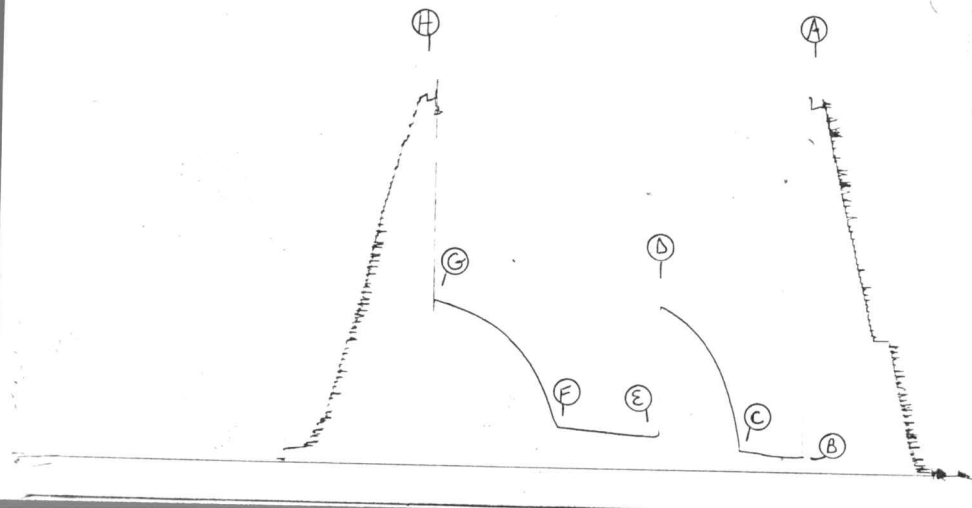
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2004	P.S.I.	11:45P	M
B First Initial Flow Pressure	42	P.S.I.	45	50
C First Final Flow Pressure	45	P.S.I.	60	54
D Initial Closed-in Pressure	676	P.S.I.	75	85
E Second Initial Flow Pressure	52	P.S.I.	90	84
F Second Final Flow Pressure	63	P.S.I.		
G Final Closed-in Pressure	538	P.S.I.		
H Final Hydrostatic Mud	1996	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>28</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						63	482
P 2						66	492
P 3						69	502
P 4						72	511
P 5						75	520
P 6						78	526
P 7						81	532
P 8						84	538
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16933

I





Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company K. & E. Petroleum, Inc. Lease & Well No. #1 Pelz
Elevation 2142 Kelly Bushing Formation Arbuckle Effective Pay -- Ft. Ticket No. 16933
Date 1/9/83 Sec. 10 Twp. 17S Range 19W County Rush State Kansas
Test Approved by Bob Douglass Western Representative Dan Delaney

Formation Test No. 4 Interval Tested from 3868 ft. to 3877 ft. Total Depth 3877 ft.

Packer Depth 3868 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3863 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3870 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 3874 ft. Recorder Number 6077 Cap. 4700

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

Drilling Contractor Abercrombie Drlg. Rig #8 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 45 Weight Pipe Length 640 I. D. 2.7 in.

Weight 9.5 Water Loss 13.6 cc. Drill Pipe Length 3207 I. D. 3.8 in.

Chlorides 47,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-1/2 in.

Jars: Make - Serial Number - Anchor Length 9 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - 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 XH in.

Blow: Initial flow period weak blow increasing to a fair blow (one half inch to five inches)

Final flow period fair blow throughout. (five inches)

Recovered 135 ft. of muddy water

Recovered 180 ft. of salt water Chlorides 27,000 ppm

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks:

Time Set Packer(s)	<u>4:00</u>	<u>AM</u>	Time Started Off Bottom	<u>8:30</u>	<u>AM</u>	Maximum Temperature	<u>117°</u>
		<u>PM</u>			<u>PM</u>		
Initial Hydrostatic Pressure				<u>2016</u>		P.S.I.	
Initial Flow Period			Minutes <u>45</u>	<u>88</u>		P.S.I. to (C)	<u>118</u>
Initial Closed In Period			Minutes <u>60</u>	<u>912</u>		P.S.I.	
Final Flow Period			Minutes <u>75</u>	<u>191</u>		P.S.I. to (F)	<u>232</u>
Final Closed In Period			Minutes <u>90</u>	<u>928</u>		P.S.I.	
Final Hydrostatic Pressure				<u>2016</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 1/9/83Test Ticket No. 16933Recorder No. 10980 Capacity 4200 Location 3870 Ft.Clock No. -- Elevation 2142 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given 4:00P	Time Computed
A Initial Hydrostatic Mud	<u>2016</u> P.S.I.	Open Tool	<u>45</u> M	<u>45</u> Mins.
B First Initial Flow Pressure	<u>88</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>118</u> P.S.I.	Initial Closed-in Pressure	<u>75</u> Mins.	<u>75</u> Mins.
D Initial Closed-in Pressure	<u>912</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>191</u> P.S.I.	Final Closed-in Pressure		
F Second Final Flow Pressure	<u>232</u> P.S.I.			
G Final Closed-in Pressure	<u>928</u> P.S.I.			
H Final Hydrostatic Mud	<u>2016</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>15</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>31</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>88</u>	<u>0</u>	<u>118</u>	<u>0</u>	<u>191</u>	<u>0</u>	<u>232</u>
P 2 <u>5</u>	<u>88</u>	<u>3</u>	<u>240</u>	<u>5</u>	<u>191</u>	<u>3</u>	<u>288</u>
P 3 <u>10</u>	<u>88</u>	<u>6</u>	<u>337</u>	<u>10</u>	<u>193</u>	<u>6</u>	<u>356</u>
P 4 <u>15</u>	<u>90</u>	<u>9</u>	<u>416</u>	<u>15</u>	<u>195</u>	<u>9</u>	<u>410</u>
P 5 <u>20</u>	<u>93</u>	<u>12</u>	<u>483</u>	<u>20</u>	<u>197</u>	<u>12</u>	<u>461</u>
P 6 <u>25</u>	<u>97</u>	<u>15</u>	<u>544</u>	<u>25</u>	<u>200</u>	<u>15</u>	<u>506</u>
P 7 <u>30</u>	<u>105</u>	<u>18</u>	<u>590</u>	<u>30</u>	<u>203</u>	<u>18</u>	<u>547</u>
P 8 <u>35</u>	<u>112</u>	<u>21</u>	<u>632</u>	<u>35</u>	<u>207</u>	<u>21</u>	<u>581</u>
P 9 <u>40</u>	<u>116</u>	<u>24</u>	<u>672</u>	<u>40</u>	<u>211</u>	<u>24</u>	<u>613</u>
P10 <u>45</u>	<u>118</u>	<u>27</u>	<u>707</u>	<u>45</u>	<u>215</u>	<u>27</u>	<u>643</u>
P11		<u>30</u>	<u>736</u>	<u>50</u>	<u>218</u>	<u>30</u>	<u>669</u>
P12		<u>33</u>	<u>763</u>	<u>55</u>	<u>221</u>	<u>33</u>	<u>692</u>
P13		<u>36</u>	<u>786</u>	<u>60</u>	<u>223</u>	<u>36</u>	<u>715</u>
P14		<u>39</u>	<u>809</u>	<u>65</u>	<u>226</u>	<u>39</u>	<u>738</u>
P15		<u>42</u>	<u>829</u>	<u>70</u>	<u>229</u>	<u>42</u>	<u>760</u>
P16		<u>45</u>	<u>846</u>	<u>75</u>	<u>232</u>	<u>45</u>	<u>778</u>
P17		<u>48</u>	<u>863</u>			<u>48</u>	<u>792</u>
P18		<u>51</u>	<u>879</u>			<u>51</u>	<u>806</u>
P19		<u>54</u>	<u>891</u>			<u>54</u>	<u>821</u>
P20		<u>57</u>	<u>905</u>			<u>57</u>	<u>832</u>
WTC - 4		<u>60</u>	<u>912</u>			<u>60</u>	<u>844</u>

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 1/9/83 Test Ticket No. 16933

Recorder No. 10980 Capacity 4200 Location 3870 Ft.

Clock No. -- Elevation 2142 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2016 P.S.I.	Open Tool	4:00P	M
B First Initial Flow Pressure	88 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	118 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	912 P.S.I.	Second Flow Pressure	75 Mins.	75 Mins.
E Second Initial Flow Pressure	191 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	232 P.S.I.			
G Final Closed-in Pressure	928 P.S.I.			
H Final Hydrostatic Mud	2016 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 15 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	854
P 2						66	863
P 3						69	872
P 4						72	881
P 5						75	890
P 6						78	900
P 7						81	907
P 8						84	910
P 9						87	918
P10						90	924
P11						93	928
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							