

Company Brascan Exploration, Inc. & Associated Petroleum Consultants Lease & Well No. Potter #1
 Elevation - Formation - Effective Pay - Ft. Ticket No. 14243
 Date 12/1/81 Sec. 29 Twp. 34S Range 6E County Cowley State Kansas
 Test Approved by Philip J Paschay Western Representative Jeff Piotrowski
 Formation Test No. 1 Interval Tested from 3181 ft. to 3195 ft. Total Depth 3195 ft.
 Packer Depth 3176 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3181 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3184 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 3187 ft. Recorder Number 1565 Cap. 4900
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Trans Pac Rig #1 Drill Collar Length 390 I. D. 2.2 in.
 Mud Type Gel Viscosity 39 Weight Pipe Length - I. D. - in.
 Weight 9.0 Water Loss 10.4 cc. Drill Pipe Length 2769 I. D. 3.8 in.
 Chlorides 1200 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 OD 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 XH in.

Blow: Weak throughout test.

Recovered 65 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 108
 Initial Hydrostatic Pressure (A) 1514 P.S.I.
 Initial Flow Period Minutes 30 (B) 26 P.S.I. to (C) 26 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1148 P.S.I.
 Final Flow Period Minutes 65 (E) 38 P.S.I. to (F) 49 P.S.I.
 Final Closed In Period Minutes 60 (G) 1102 P.S.I.
 Final Hydrostatic Pressure (H) 1469 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/1/81

Recorder No. 5673 Capacity 5400 Test Ticket No. 14243

Clock No. - Elevation - Location 3184 Ft.

Well Temperature 108 °F

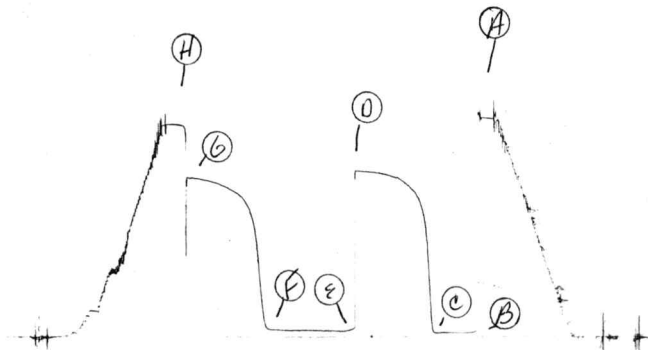
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1514</u> P.S.I.	<u>1:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>26</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1148</u> P.S.I.	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>38</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>49</u> P.S.I.		
G Final Closed-in Pressure	<u>1102</u> P.S.I.		
H Final Hydrostatic Mud	<u>1469</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>20</u> Inc.		Breakdown: <u>13</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>26</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>49</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>342</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>118</u>
P 3 <u>10</u>	<u>26</u>	<u>6</u>	<u>760</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>391</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>896</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>702</u>
P 5 <u>20</u>	<u>26</u>	<u>12</u>	<u>961</u>	<u>20</u>	<u>39</u>	<u>12</u>	<u>833</u>
P 6 <u>25</u>	<u>26</u>	<u>15</u>	<u>1008</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>904</u>
P 7 <u>30</u>	<u>26</u>	<u>18</u>	<u>1038</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>948</u>
P 8		<u>21</u>	<u>1062</u>	<u>35</u>	<u>43</u>	<u>21</u>	<u>980</u>
P 9		<u>24</u>	<u>1081</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>1000</u>
P10		<u>27</u>	<u>1100</u>	<u>45</u>	<u>44</u>	<u>27</u>	<u>1016</u>
P11		<u>30</u>	<u>1108</u>	<u>50</u>	<u>46</u>	<u>30</u>	<u>1035</u>
P12		<u>33</u>	<u>1116</u>	<u>55</u>	<u>47</u>	<u>33</u>	<u>1046</u>
P13		<u>36</u>	<u>1127</u>	<u>60</u>	<u>48</u>	<u>36</u>	<u>1056</u>
P14		<u>39</u>	<u>1131</u>	<u>65</u>	<u>49</u>	<u>39</u>	<u>1066</u>
P15		<u>42</u>	<u>1135</u>			<u>42</u>	<u>1076</u>
P16		<u>45</u>	<u>1138</u>			<u>45</u>	<u>1085</u>
P17		<u>48</u>	<u>1140</u>			<u>48</u>	<u>1089</u>
P18		<u>51</u>	<u>1142</u>			<u>51</u>	<u>1094</u>
P19		<u>54</u>	<u>1144</u>			<u>54</u>	<u>1100</u>
P20		<u>57</u>	<u>1146</u>			<u>57</u>	<u>1101</u>
		<u>60</u>	<u>1148</u>			<u>60</u>	<u>1102</u>

5673
DST #1

TK # 14243
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Associated Petroleum Consultants, Inc. &
Company Brascan Exploration, Inc. Lease & Well No. Potter #1
Elevation 1319 Rotary Bushing Mississippi Formation Effective Pay - Ft. Ticket No. 12737
Date 12/2/81 Sec. 29 Twp. 34S Range 6E County Cowley State Kansas
Test Approved by Philip J. Paschay Western Representative Robert Davis

Formation Test No. 2 Interval Tested from 3177 ft. to 3190 ft. Total Depth 3242 ft.

Packer Depth 3177 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3172 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3182 ft. Recorder Number 13040 Cap. 4500

Bottom Recorder Depth (Outside) 3186 ft. Recorder Number 11018 Cap. 4425

Below Straddle Recorder Depth 3242 ft. Recorder Number WTC Cap. N/A

Drilling Contractor TransPac Drlg. Rig #1 Drill Collar Length 374 I. D. - in.

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

Weight 9.1 Water Loss 8.1 cc. Drill Pipe Length 2796 I. D. - in.

Chlorides 1,200 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 13 ft. Size 5 1/2 in.

Did Well Flow? No 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; died twenty minutes into initial flow period; flushed tool five minutes into final flow period; weak blow throughout.

Recovered 150 ft. of watery drilling mud (Chlorides 2,000 ppm)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Slid ten feet to bottom.

Time Set Packer(s) 4:05 ~~P.M.~~ A.M. Time Started Off Bottom 10:35 ~~P.M.~~ A.M. Maximum Temperature 111°

Initial Hydrostatic Pressure 1507 P.S.I. (A)

Initial Flow Period 60 Minutes (B) 52 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period 60 Minutes (D) 1135 * P.S.I.

Final Flow Period 175 Minutes (E) 88 P.S.I. to (F) 111 P.S.I.

Final Closed In Period 90 Minutes (G) 1050 P.S.I.

Final Hydrostatic Pressure 1500 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 12/2/81 Recorder No. 13240 Capacity 4500 Test Ticket No. 12737
 Location 3182 Ft. Clock No. - Elevation 1319 Rotary Bushing Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1507	P.S.I.	4:05A	M
B First Initial Flow Pressure	52	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	27	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1135 *	P.S.I.	180	Mins. 175 Mins.
E Second Initial Flow Pressure	88	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	111	P.S.I.		
G Final Closed-in Pressure	1050	P.S.I.		
H Final Hydrostatic Mud	1500	P.S.I.		

* PRESSURES QUESTIONABLE DUE TO TOOL
MOVEMENT.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>35</u> Inc.		Breakdown: <u>30</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>52</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>111</u>
P 2 <u>5</u>	<u>52</u>	<u>3</u>	<u>318</u>	<u>5</u>	<u>89</u>	<u>3</u>	<u>170</u>
P 3 <u>10</u>	<u>52</u>	<u>6</u>	<u>557</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>307</u>
P 4 <u>15</u>	<u>52</u>	<u>9</u>	<u>709</u>	<u>15</u>	<u>86</u>	<u>9</u>	<u>455</u>
P 5 <u>20</u>	<u>52</u>	<u>12</u>	<u>805</u>	<u>20</u>	<u>83</u>	<u>12</u>	<u>573</u>
P 6 <u>25</u>	<u>53</u>	<u>15</u>	<u>877</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>682</u>
P 7 <u>30</u>	<u>53</u>	<u>18</u>	<u>957</u>	<u>30</u>	<u>83</u>	<u>18</u>	<u>745</u>
P 8 <u>35</u>	<u>54</u>	<u>21</u>	<u>968</u>	<u>35</u>	<u>83</u>	<u>21</u>	<u>784</u>
P 9 <u>40</u>	<u>55</u>	<u>24</u>	<u>989</u>	<u>40</u>	<u>84</u>	<u>24</u>	<u>830</u>
P10 <u>45</u>	<u>56</u>	<u>27</u>	<u>1000</u>	<u>45</u>	<u>85</u>	<u>27</u>	<u>857</u>
P11 <u>50</u>	<u>57</u>	<u>30</u>	<u>1022</u>	<u>50</u>	<u>85</u>	<u>30</u>	<u>882</u>
P12 <u>55</u>	<u>57</u>	<u>33</u>	<u>1034</u>	<u>55</u>	<u>86</u>	<u>33</u>	<u>904</u>
P13 <u>60</u>	<u>57</u>	<u>36</u>	<u>1050</u>	<u>60</u>	<u>86</u>	<u>36</u>	<u>918</u>
		<u>39</u>	<u>1137 *</u>	<u>65</u>	<u>87</u>	<u>39</u>	<u>936</u>
P14		<u>42</u>	<u>1135 *</u>	<u>70</u>	<u>88</u>	<u>42</u>	<u>952</u>
P15		<u>45</u>	<u>1133 *</u>	<u>75</u>	<u>89</u>	<u>45</u>	<u>961</u>
P16		<u>48</u>	<u>1132 *</u>	<u>80</u>	<u>90</u>	<u>48</u>	<u>971</u>
P17		<u>51</u>	<u>1132 *</u>	<u>85</u>	<u>91</u>	<u>51</u>	<u>981</u>
P18		<u>54</u>	<u>1133 *</u>	<u>90</u>	<u>92</u>	<u>54</u>	<u>991</u>
P19		<u>57</u>	<u>1134 *</u>	<u>95</u>	<u>93</u>	<u>57</u>	<u>998</u>
P20		<u>60</u>	<u>1135 *</u>	<u>100</u>	<u>94</u>	<u>60</u>	<u>1006</u>

Flushed tool

WESTERN TESTING CO., INC.

Pressure Data

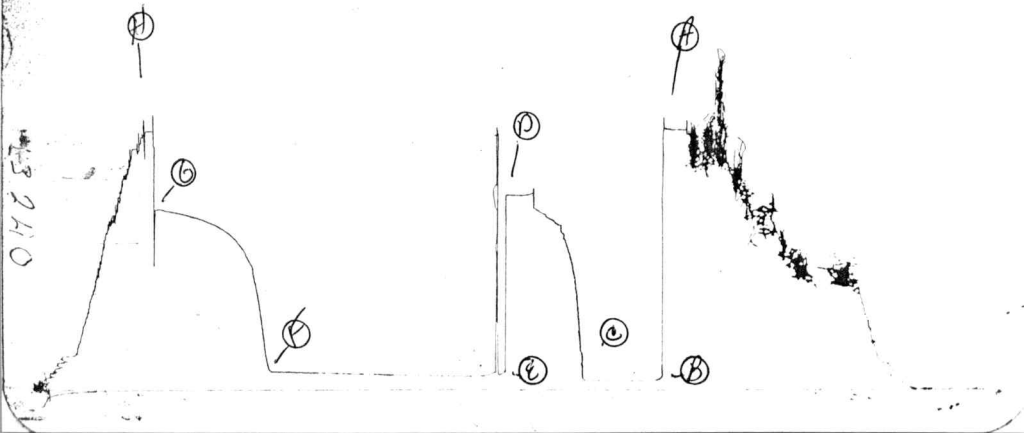
Date 12/2/81 Test Ticket No. 12737
 Recorder No. 13240 Capacity 4500 Location 3182 Ft.
 Clock No. - Elevation 1319 Rotary Bushing Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1507</u> P.S.I.	Open Tool	<u>4:05A</u> M	
B First Initial Flow Pressure	<u>52</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1135 *</u> P.S.I.	Second Flow Pressure	<u>180</u> Mins.	<u>175</u> Mins.
E Second Initial Flow Pressure	<u>88</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>111</u> P.S.I.			
G Final Closed-in Pressure	<u>1050</u> P.S.I.			
H Final Hydrostatic Mud	<u>1500</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>20</u> Inc.		Breakdown: <u>35</u> Inc.		Breakdown: <u>30</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				105	95	63	1011
P 2				110	96	66	1019
P 3				115	97	69	1023
P 4				120	98	72	1028
P 5				125	100	75	1033
P 6				130	101	78	1035
P 7				135	102	81	1040
P 8				140	103	84	1048
P 9				145	105	87	1049
P10				150	106	90	1050
P11				155	108		
P12				160	109		
P13				165	110		
P14				170	111		
P15				175	111		
P16							
P17							
P18							
P19							
P20							

TK # 12737
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TK #12737

Below Straddle

