

Company Brandt Oil Company Lease & Well No. Farber #1
 Elevation 1309 Kelly Bushing Formation Kansas City Effective Pay ---- Ft. Ticket No. 4841
 Date 4/10/80 Sec. 17 Twp. 29S Range 2E County Sedgwick State Kansas
 Test Approved by Paul M. Gunzelman Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 2742 ft. to 2775 ft. Total Depth 2775 ft.
 Packer Depth 2837 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2742 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2762 ft. Recorder Number 1559 Cap. 4200
 Bottom Recorder Depth (Outside) 2765 ft. Recorder Number 1558 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Brandt Drilling Drill Collar Length 90 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 42 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss NT cc. Drill Pipe Length 2630 I. D. 3 in.
 Chlorides NT P.P.M. Test Tool Length 55 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 33 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: Weak blow on initial flow period/strong blow on final flow period.

Recovered 175 ft. of gas in pipe
 Recovered 65 ft. of heavy oil cut mud with free oil on top of tool
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks:

Time Set Packer(s) 9:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 11:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 108°
 Initial Hydrostatic Pressure (A) 1332 P.S.I.
 Initial Flow Period Minutes 30 (B) 48 P.S.I. to (C) 38 P.S.I.
 Initial Closed In Period Minutes 30 (D) 282 P.S.I.
 Final Flow Period Minutes 30 (E) 67 P.S.I. to (F) 56 P.S.I.
 Final Closed In Period Minutes 30 (G) 194 P.S.I.
 Final Hydrostatic Pressure (H) 1320 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

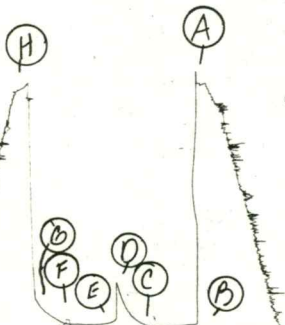
Date 4/10/80 Test Ticket No. 4841
 Recorder No. 1559 Capacity 4200 Location 2762 Ft.
 Clock No. ----- Elevation 1309 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1332</u> P.S.I.	Open Tool	<u>9:45A</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>282</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>67</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>194</u> P.S.I.			
H Final Hydrostatic Mud	<u>1320</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>48</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>56</u>	
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>40</u>	<u>5</u>	<u>61</u>	<u>3</u>	<u>56</u>	
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>44</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>56</u>	
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>54</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>66</u>	
P 5 <u>20</u>	<u>38</u>	<u>12</u>	<u>65</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>76</u>	
P 6 <u>25</u>	<u>38</u>	<u>15</u>	<u>82</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>89</u>	
P 7 <u>30</u>	<u>38</u>	<u>18</u>	<u>102</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>107</u>	
P 8 _____		<u>21</u>	<u>136</u>			<u>21</u>	<u>121</u>	
P 9 _____		<u>24</u>	<u>182</u>			<u>24</u>	<u>142</u>	
P10 _____		<u>27</u>	<u>247</u>			<u>27</u>	<u>169</u>	
P11 _____		<u>30</u>	<u>282</u>			<u>30</u>	<u>194</u>	
P12 _____								
P13 _____								
P14 _____								
P15 _____								
P16 _____								
P17 _____								
P18 _____								
P19 _____								
P20 _____								

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Company Brandt Oil Company Lease & Well No. Farber #1
 Elevation 1309 Kelly Bushing Simpson Formation Simpson Effective Pay ---- Ft. Ticket No. 4915
 Date 4/14/80 Sec. 17 Twp. 29S Range 2E County Sedgwick State Kansas
 Test Approved by Paul M. Gunzelman Western Representative Kenny Kirkendall

Formation Test No. 2 Interval Tested from 3493 ft. to 3507 ft. Total Depth 3507 ft.
 Packer Depth 2493 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2488 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3498 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 3502 ft. Recorder Number 2605 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Drilling Rig #1 Drill Collar Length 90 I. D. - in.
 Mud Type chemical Viscosity 43 Weight Pipe Length -- I. D. - in.
 Weight 9.4 Water Loss N/A cc. Drill Pipe Length 3426 I. D. - in.
 Chlorides N/A P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 14 ft. Size 5 1/2 in.
 Did Well Flow? Yes Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 IF in.

Blow: Good blow gradually decreasing first flow; fair blow decreasing second flow. Gas to surface twenty minutes on second flow. Not enough to gauge.
Oil to surface in fifty - eight minutes.

Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 117°
 Initial Hydrostatic Pressure 1684 (A) P.S.I.
 Initial Flow Period 35 Minutes (B) 139 P.S.I. to (C) 939 P.S.I.
 Initial Closed In Period 33 Minutes (D) 1329 P.S.I.
 Final Flow Period 25 Minutes (E) 958 P.S.I. to (F) 1184 P.S.I.
 Final Closed In Period 60 Minutes (G) 1353 P.S.I.
 Final Hydrostatic Pressure 1680 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/14/80 Recorder No. 3354 Capacity 4200 Test Ticket No. 4915
 Clock No. ----- Elevation 1309 Kelly Bushing Location 117 Ft. 117
 Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1684	P.S.I.	8:00A	M
B First Initial Flow Pressure	139	P.S.I.	30	Mins. 35
C First Final Flow Pressure	939	P.S.I.	30	Mins. 33
D Initial Closed-in Pressure	1329	P.S.I.	30	Mins. 25
E Second Initial Flow Pressure	958	P.S.I.	30	Mins. 60
F Second Final Flow Pressure	1184	P.S.I.		
G Final Closed-in Pressure	1353	P.S.I.		
H Final Hydrostatic Mud	1680	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 7		of 11		of 5		of 20	
	mins. and a		mins. and a		mins. and a		mins. and a	
	final inc. of 5		final inc. of 3		final inc. of 5		final inc. of 3	
	0 Min.		0 Min.		0 Min.		0 Min.	
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	139	0	939	0	958	0	1184	
P 2 5	323	3	1215	5	1019	3	1257	
P 3 10	498	6	1251	10	1076	6	1306	
P 4 15	631	9	1270	15	1120	9	1316	
P 5 20	734	12	1285	20	1158	12	1321	
P 6 25	823	15	1295	25	1184	15	1327	
P 7 30	897	18	1302			18	1330	
P 8 35	939	21	1308			21	1333	
P 9		24	1315			24	1336	
P10		27	1321			27	1338	
P11		30	1327			30	1340	
P12		33	1329			33	1342	
P13						36	1344	
P14						39	1346	
P15						42	1347	
P16						45	1348	
P17						48	1349	
P18						51	1350	
P19						54	1351	
P20						57	1352	
						60	1353	

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