

Company Brandt Oil Company Lease & Well No. Farber #2
 Elevation 1318 Kelly Bushing Simpson Formation Effective Pay --- Ft. Ticket No. 4949
 Date 5/27/80 Sec. 17 Twp. 29S Range 2E County Sedgwick State Kansas
 Test Approved by Paul M. Gunzelman Western Representative John Lee

Formation Test No. 1 Interval Tested from 3405 ft. to 3497 ft. Total Depth 3497 ft.
 Packer Depth 3405 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3400 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3428 ft. Recorder Number 10980 Cap. 4200
 Bottom Recorder Depth (Outside) 3431 ft. Recorder Number 1561 Cap. 3200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Drilling Rig #2 Drill Collar Length 300 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss - cc. Drill Pipe Length 3181 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 114 ft. Tool Size 3 1/2 in.
 Jars: Make - Serial Number - Anchor Length 92 ft. Size 3 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: Very weak blow on initial flow period. Died in seven minutes. No blow in final flow period.

Recovered 3 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: READ OUTSIDE CHART

Time Set Packer(s) 11:00 A.M. Time Started Off Bottom 1:30 A.M. Maximum Temperature 115°
P.M. P.M.
 Initial Hydrostatic Pressure (A) 1676 P.S.I.
 Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 25 P.S.I.
 Initial Closed In Period Minutes 27 (D) 31 P.S.I.
 Final Flow Period Minutes 45 (E) 27 P.S.I. to (F) 27 P.S.I.
 Final Closed In Period Minutes 45 (G) 36 P.S.I.
 Final Hydrostatic Pressure (H) 1671 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

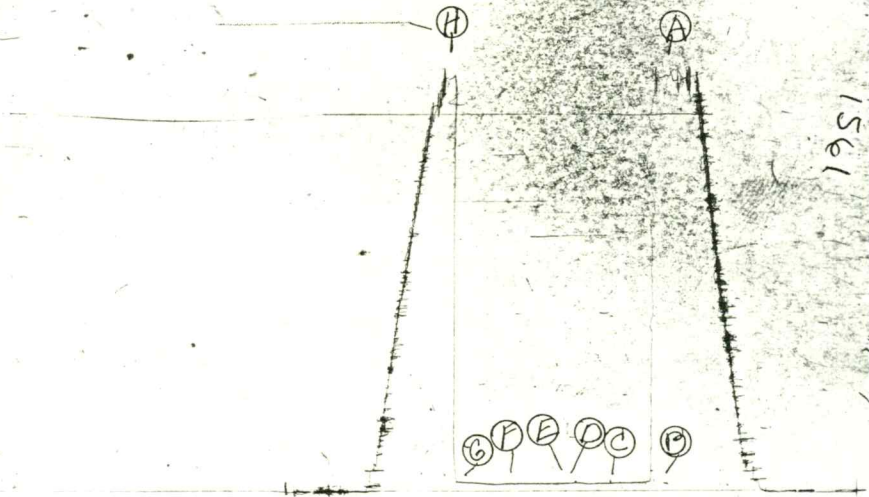
Date 5/27/80 Test Ticket No. 4949
 Recorder No. 1561 Capacity 3200 Location 3431 Ft.
 Clock No. -- Elevation 1318 Kelly Bushing Well Temperature 115° °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	1676	P.S.I.	Open Tool	11:00A M	
B First Initial Flow Pressure	35	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	25	P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	31	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	27	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	27	P.S.I.			
G Final Closed-in Pressure	36	P.S.I.			
H Final Hydrostatic Mud	1671	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>9</u> Inc.		Breakdown: <u>15</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	0	0	25	0	27	0	27
P 2	5	3	27	5	27	3	27
P 3	10	6	27	10	27	6	27
P 4	15	9	27	15	27	9	28
P 5	20	12	25	20	27	12	24
P 6	25	15	25	25	27	15	26
P 7	30	18	27	30	27	18	27
P 8		21	29	35		21	28
P 9		24	29	40		24	29
P10		27	31	45		27	30
P11		30				30	31
P12						33	32
P13						36	33
P14						39	34
P15						42	35
P16						45	36
P17							
P18							
P19							
P20							

TRK # 4949
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Company Brandt Oil Company Lease & Well No. Farber #2
 Elevation 1318 Kelly Bushing Simpson Effective Pay ---- Ft. Ticket No. 3681
 Date 5/28/80 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 3497 ft. to 3506 ft. Total Depth 3506 ft.
 Packer Depth 3497 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3492 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3487 ft. Recorder Number 5666 Cap. 3950
 Bottom Recorder Depth (Outside) 3502 ft. Recorder Number 2506 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Drilling Rig #2 Drill Collar Length 120 I. D. - in.
 Mud Type chemical Viscosity 43 Weight Pipe Length 270 I. D. - in.
 Weight 9.2 Water Loss 12. cc. Drill Pipe Length 3081 I. D. - in.
 Chlorides N/A P.P.M. Test Tool Length 26 ft. Tool Size - in.
 Jars: Make No Serial Number - Anchor Length 9 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size - in. Tool Joint Size 4 1/2 XH in.

Blow: Good blow throughout first flow period; good blow decreasing to fair on second flow period.

Recovered 2500 ft. of free oil 45° gravity
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. Time Started Off Bottom 12:40 ~~A.M.~~ P.M. Maximum Temperature 114°
 Initial Hydrostatic Pressure (A) 1699 P.S.I.
 Initial Flow Period Minutes 30 (B) 171 P.S.I. to (C) 546 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1155 P.S.I.
 Final Flow Period Minutes 40 (E) 639 P.S.I. to (F) 845 P.S.I.
 Final Closed In Period Minutes 30 (G) 1121 P.S.I.
 Final Hydrostatic Pressure (H) 1665 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/28/80 Recorder No. 5666 Capacity 3950 Test Ticket No. 3681
 Location 3487 Ft. Clock No. - Elevation 1318 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1699	P.S.I.	10:30P	M
B First Initial Flow Pressure	171	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	546	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1155	P.S.I.	40	Mins. 40 Mins.
E Second Initial Flow Pressure	639	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	845	P.S.I.		
G Final Closed-in Pressure	1121	P.S.I.		
H Final Hydrostatic Mud	1665	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>8</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>171</u>	<u>0</u>	<u>546</u>	<u>0</u>	<u>639</u>	<u>0</u>	<u>845</u>
P 2 <u>5</u>	<u>212</u>	<u>3</u>	<u>996</u>	<u>5</u>	<u>639</u>	<u>3</u>	<u>1048</u>
P 3 <u>10</u>	<u>300</u>	<u>6</u>	<u>1040</u>	<u>10</u>	<u>673</u>	<u>6</u>	<u>1062</u>
P 4 <u>15</u>	<u>373</u>	<u>9</u>	<u>1070</u>	<u>15</u>	<u>715</u>	<u>9</u>	<u>1074</u>
P 5 <u>20</u>	<u>439</u>	<u>12</u>	<u>1092</u>	<u>20</u>	<u>753</u>	<u>12</u>	<u>1080</u>
P 6 <u>25</u>	<u>494</u>	<u>15</u>	<u>1106</u>	<u>25</u>	<u>783</u>	<u>15</u>	<u>1088</u>
P 7 <u>30</u>	<u>546</u>	<u>18</u>	<u>1120</u>	<u>30</u>	<u>809</u>	<u>18</u>	<u>1100</u>
P 8 _____	_____	<u>21</u>	<u>1137</u>	<u>35</u>	<u>835</u>	<u>21</u>	<u>1108</u>
P 9 _____	_____	<u>24</u>	<u>1147</u>	<u>40</u>	<u>845</u>	<u>24</u>	<u>1113</u>
P10 _____	_____	<u>27</u>	<u>1152</u>	_____	_____	<u>27</u>	<u>1118</u>
P11 _____	_____	<u>30</u>	<u>1155</u>	_____	_____	<u>30</u>	<u>1121</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT # 3681
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3681
~~330~~
5666

