

Company Brougner Oil, Inc. Lease & Well No. Bieberle #1

Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 12229

Date 8/9/81 Sec. 5 Twp. 19S Range 10W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 3137 ft. to 3148 ft. Total Depth 3148 ft.

Packer Depth 3132 ft. Size 6 5/8 in. Packer Depth 3137 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3139 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 3143 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Woodman Iannitti Rig #2 Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 41 Weight Pipe Length 379 I. D. 2.7 in.

Weight 9.5 Water Loss 17.0 cc. Drill Pipe Length 2737 I. D. 3.8 in.

Chlorides 88,000 P.P.M. Test Tool Length 21 ft. Tool Size 4.5 in.

Jars: Make - Serial Number - Anchor Length 11 ft. Size 5.5 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 4.5 in.

Blow: Initial flow period weak blow slowly dying (1/4" to 1/8")

Final flow period few bubbles - flushed tool - weak blow.

Recovered 15 ft. of Mud

Recovered - ft. of -

Remarks: Read outside chart

Time Set Packer(s) 4:05 ~~A.M.~~ P.M. Time Started Off Bottom 5:20 ~~A.M.~~ P.M. Maximum Temperature 109

Initial Hydrostatic Pressure (A) 1740 P.S.I.

Initial Flow Period Minutes 20 (B) 62 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period Minutes 21 (D) 62 P.S.I.

Final Flow Period Minutes 15 (E) 62 P.S.I. to (F) 63 P.S.I.

Final Closed In Period Minutes 15 (G) 63 P.S.I.

Final Hydrostatic Pressure (H) 1706 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/9/81

Test Ticket No. 12229

Recorder No. 6233

Capacity 4000

Location 3143 Ft.

Clock No. -

Elevation -

Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1740</u> P.S.I.	Open Tool	<u>4:05P</u> M	
B First Initial Flow Pressure	<u>62</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>62</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>62</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.			
G Final Closed-in Pressure	<u>63</u> P.S.I.			
H Final Hydrostatic Mud	<u>1706</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

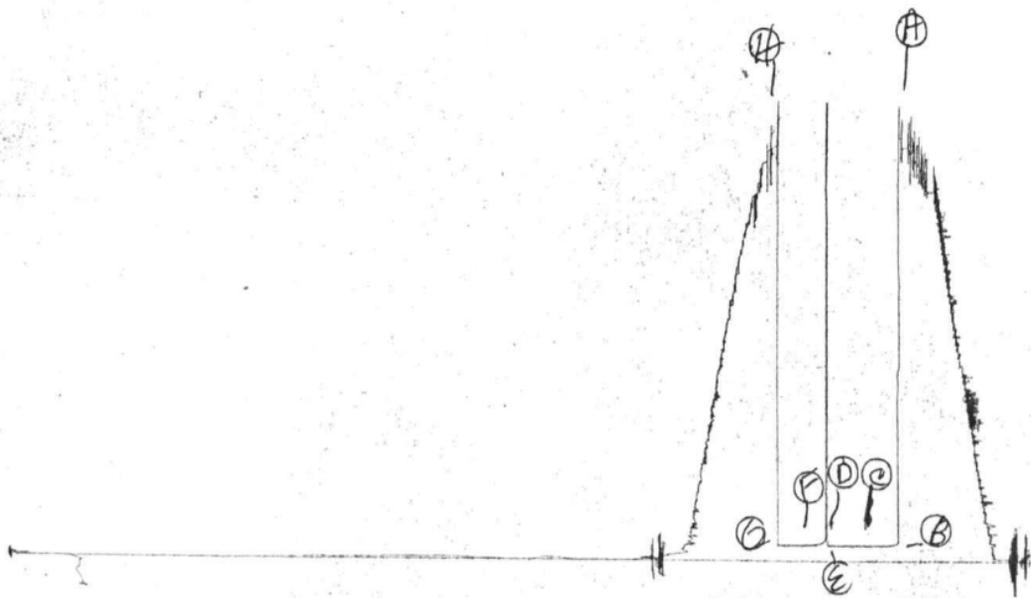
Final Shut-In
Breakdown: 5 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>63</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>62</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>63</u>
P 3 <u>10</u>	<u>62</u>	<u>6</u>	<u>62</u>	<u>10</u>	<u>63</u>	<u>6</u>	<u>63</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>62</u>	<u>15</u>	<u>63</u>	<u>9</u>	<u>63</u>
P 5 <u>20</u>	<u>62</u>	<u>12</u>	<u>62</u>			<u>12</u>	<u>63</u>
P 6 _____		<u>15</u>	<u>62</u>			<u>15</u>	<u>63</u>
P 7 _____		<u>18</u>	<u>62</u>				
P 8 _____		<u>21</u>	<u>62</u>				
P 9 _____							
P10 _____							
P11 _____							
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Flushed Tool

TKT. # 12229

0



6233

Company Brougner Oil, Inc. Lease & Well No. Bieberle #1

Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 12230

Date 8/11/81 Sec. 5 Twp. 19S Range 10W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Darrell Claphan

Formation Test No. 2 Interval Tested from 3350 ft. to 3355 ft. Total Depth 3355 ft.

Packer Depth 3345 ft. Size 6 5/8 in. Packer Depth 3350 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3339 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 3352 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Woodman Iannitti Rig #2 Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 54 Weight Pipe Length 379 I. D. 2.7 in.

Weight 10.1 Water Loss 17 cc. Drill Pipe Length 2946 I. D. 3.8 in.

Chlorides 82,000 P.P.M. Test Tool Length 25 ft. Tool Size 4.5 in.

Jars: Make - Serial Number - Anchor Length 5 ft. Size 5.5 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 4.5 in.

Blow: Initial flow period weak building to fair then slowly dying (1/2" to 4" to 3")

Final flow period weak steady blow throughout (1/2")

Recovered 90 ft. of oil cut mud - 18% oil; 1% water; 81% mud

Recovered 60 ft. of oil cut mud - 25% oil; 19% water; 74% mud

Recovered - ft. of Trace of free oil on top of tool

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:15 ~~P.M.~~ ^{A.M.} Maximum Temperature -

Initial Hydrostatic Pressure (A) 1870 P.S.I.

Initial Flow Period Minutes 45 (B) 79 P.S.I. to (C) 81 P.S.I.

Initial Closed In Period Minutes 42 (D) 1108* P.S.I.

Final Flow Period Minutes 45 (E) 102 P.S.I. to (F) 102 P.S.I.

Final Closed In Period Minutes 42 (G) 1069 P.S.I.

Final Hydrostatic Pressure (H) 1859 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/11/81 Test Ticket No. 12230
 Recorder No. 10980 Capacity 4200 Location 3339 Ft.
 Clock No. - Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1870</u> P.S.I.	Open Tool	<u>1:15A</u>	<u>M</u>
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>81</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1108*</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>102</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
F Second Final Flow Pressure	<u>102</u> P.S.I.	*Pressures questionable due to tool being picked up too high.		
G Final Closed-in Pressure	<u>1069</u> P.S.I.			
H Final Hydrostatic Mud	<u>1859</u> 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: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

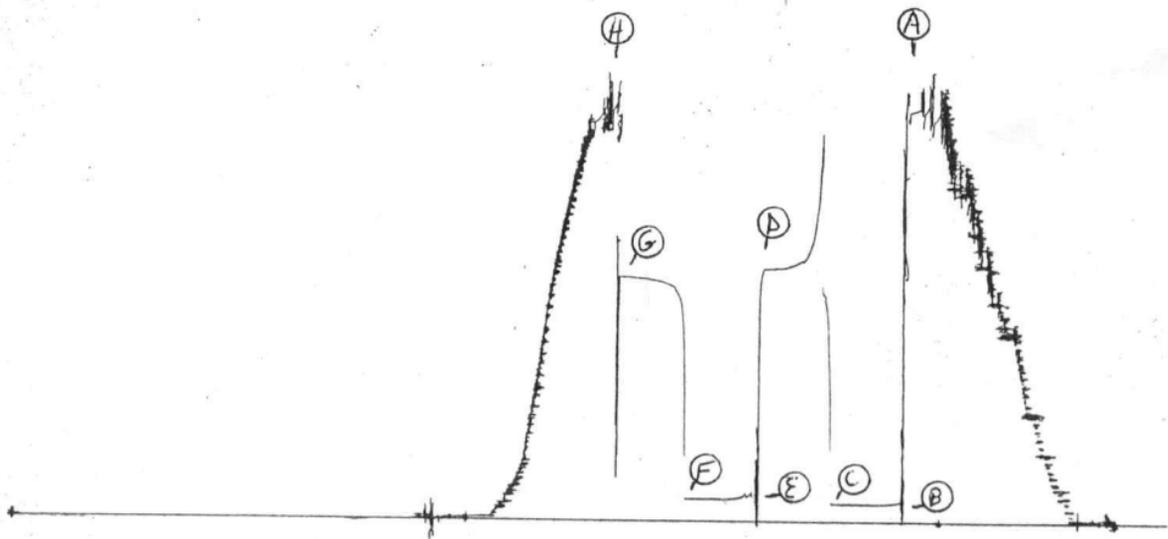
Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 14 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 <u>0</u>	<u>79</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>102</u>	<u>0</u>	<u>102</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>966</u>	<u>5</u>	<u>102</u>	<u>3</u>	<u>960</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>1638*</u>	<u>10</u>	<u>102</u>	<u>6</u>	<u>1006</u>
P 4 <u>15</u>	<u>79</u>	<u>9</u>	<u>1350*</u>	<u>15</u>	<u>102</u>	<u>9</u>	<u>1032</u>
P 5 <u>20</u>	<u>79</u>	<u>12</u>	<u>1220*</u>	<u>20</u>	<u>102</u>	<u>12</u>	<u>1040</u>
P 6 <u>25</u>	<u>79</u>	<u>15</u>	<u>1161*</u>	<u>25</u>	<u>102</u>	<u>15</u>	<u>1047</u>
P 7 <u>30</u>	<u>80</u>	<u>18</u>	<u>1142*</u>	<u>30</u>	<u>102</u>	<u>18</u>	<u>1053</u>
P 8 <u>35</u>	<u>81</u>	<u>21</u>	<u>1131*</u>	<u>35</u>	<u>102</u>	<u>21</u>	<u>1057</u>
P 9 <u>40</u>	<u>81</u>	<u>24</u>	<u>1121*</u>	<u>40</u>	<u>102</u>	<u>24</u>	<u>1060</u>
P10 <u>45</u>	<u>81</u>	<u>27</u>	<u>1114*</u>	<u>45</u>	<u>102</u>	<u>27</u>	<u>1061</u>
P11		<u>30</u>	<u>1112*</u>			<u>30</u>	<u>1064</u>
P12		<u>33</u>	<u>1110*</u>			<u>33</u>	<u>1066</u>
P13		<u>36</u>	<u>1108*</u>			<u>36</u>	<u>1067</u>
P14		<u>39</u>	<u>1108*</u>			<u>39</u>	<u>1068</u>
P15		<u>42</u>	<u>1108*</u>			<u>42</u>	<u>1069</u>
P16							
P17							
P18							
P19							
P20							

TKT. # 12230

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