



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Abercrombie Drilling Inc. Lease & Well No. Seibel #1

Elevation 2232 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 15461

Date 1-22-71 Sec. 8 Twp. 14S Range 20W County Ellis State Kansas

Test Approved by Jack K. Wharton Western Representative Jerry L. Allen

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3578' to 3598' Total Depth 3598'

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No

Packer Depth 3573 Ft. Size 6 3/4" Packer Depth 3578 Ft. Size 6 3/4"

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2 F.H. 4"E.H. Anchor Length 20 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3590 Ft. Clock No. 9103 Depth 3593 Ft. Clock No. 8376

Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 Inside Outside

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 6:35 A. M.

Tool Open I.F.P. From 6:40 M. to 6:50A.M. Hr. 10 Min. From (B) 44 P.S.I. To (C) 69 P.S.I.

Tool Closed I.C.I.P. From 6:50 M. to 7:20A.M. Hr. 30 Min. (D) 891 P.S.I.

Tool Open F.F.P. From 7:20 M. to 8:20A.M. Hr. 1 Min. From (E) 110 P.S.I. To (F) 327 P.S.I.

Tool Closed F.C.I.P. From 8:20 M. to 9:05A.M. Hr. 45 Min. (G) 857 P.S.I.

Initial Hydrostatic Pressure (A) 1945 P.S.I. Final Hydrostatic Pressure (H) 1903 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M.

BLOW Weak steady 4" blow thru flow period Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No _____ Recovery Total Ft. 660 feet muddy water with spot of oil on top of tool

Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 35 Weight 10.0 Water Loss 10.0 cc. Maximum Temp. 117 °F

Type Circ. Sub. Pin Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____

Length Drill Pipe 3107 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1451 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 40 ft.

Remarks _____

WESTERN TESTING CO., INC.

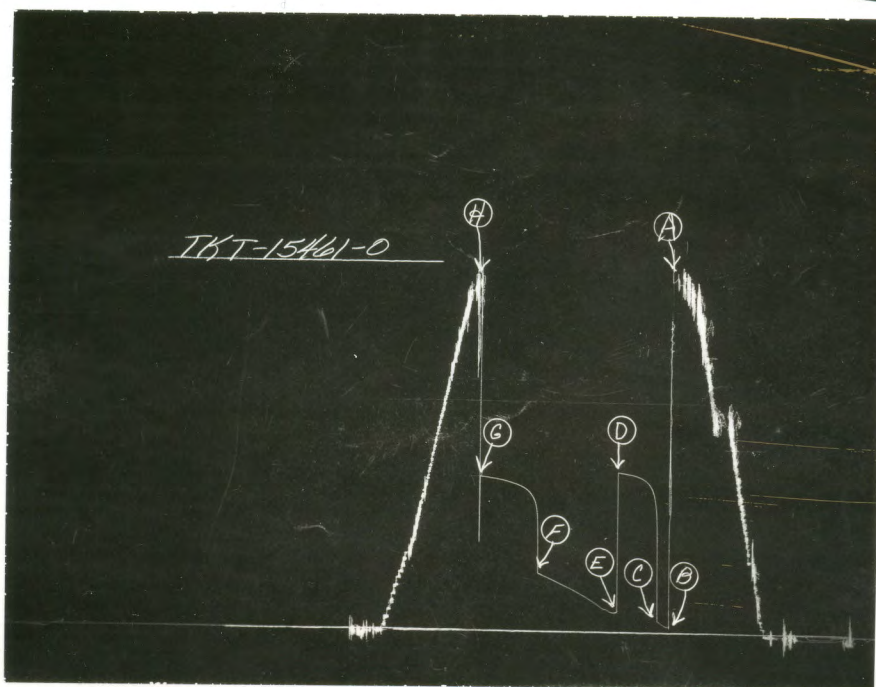
Pressure Data

Date 1-22-71 Test Ticket No. 15461
 Recorder No. 969 Capacity 4150 Location 3590 Ft.
 Clock No. 9103 Elevation 2232 Kelly Bushings Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1945</u> P.S.I.	Open Tool	<u>6:35</u> A _M	
B First Initial Flow Pressure	<u>44</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>69</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>891</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>110</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>327</u> P.S.I.			
G Final Closed-in Pressure	<u>857</u> P.S.I.			
H Final Hydrostatic Mud	<u>1903</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>44</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>110</u>	<u>0</u>	<u>327</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>700</u>	<u>5</u>	<u>118</u>	<u>3</u>	<u>708</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>801</u>	<u>10</u>	<u>141</u>	<u>6</u>	<u>760</u>
P 4 _____		<u>9</u>	<u>836</u>	<u>15</u>	<u>161</u>	<u>9</u>	<u>784</u>
P 5 _____		<u>12</u>	<u>854</u>	<u>20</u>	<u>186</u>	<u>12</u>	<u>801</u>
P 6 _____		<u>15</u>	<u>866</u>	<u>25</u>	<u>206</u>	<u>15</u>	<u>811</u>
P 7 _____		<u>18</u>	<u>872</u>	<u>30</u>	<u>225</u>	<u>18</u>	<u>821</u>
P 8 _____		<u>21</u>	<u>879</u>	<u>35</u>	<u>245</u>	<u>21</u>	<u>827</u>
P 9 _____		<u>24</u>	<u>883</u>	<u>40</u>	<u>264</u>	<u>24</u>	<u>833</u>
P10 _____		<u>27</u>	<u>887</u>	<u>45</u>	<u>282</u>	<u>27</u>	<u>838</u>
P11 _____		<u>30</u>	<u>891</u>	<u>50</u>	<u>299</u>	<u>30</u>	<u>842</u>
P12 _____				<u>55</u>	<u>314</u>	<u>33</u>	<u>846</u>
P13 _____				<u>60</u>	<u>327</u>	<u>36</u>	<u>850</u>
P14 _____						<u>39</u>	<u>853</u>
P15 _____						<u>42</u>	<u>856</u>
P16 _____						<u>45</u>	<u>857</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1948	1945	PSI
(B) First Initial Flow Pressure	45	44	PSI
(C) First Final Flow Pressure	67	69	PSI
(D) Initial Closed-in Pressure	881	891	PSI
(E) Second Initial Flow Pressure	112	110	PSI
(F) Second Final Flow Pressure	327	327	PSI
(G) Final Closed-in Pressure	854	857	PSI
(H) Final Hydrostatic Mud	1937	1903	PSI



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Company **Abercrombie Drilling Inc.** Lease & Well No. **Seibel #1**

Elevation **2232 Kelly Bushings** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **15462**

Date **1-23-71** Sec. **8** Twp. **14S** Range **20W** County **E111s** State **Kansas**

Test Approved by **Jack K. Wharton** Western Representative **Jerry L. Allen**

Formation Test No. **2** O.K. ☒ Misrun _____ Interval Tested From **3713'** to **3727'** Total Depth **3727'**

Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No

Packer Depth **3708** Ft. Size **6 3/4"** Packer Depth **3713** Ft. Size **6 3/4"**

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H. 4" IF** Anchor Length **14** Ft. Size **5 1/2" O.D. Perf.**

RECORDERS Depth **3720** Ft. Clock No. **9103** Depth **3723** Ft. Clock No. **8376**

Top Make **Kuster** Cap. **4150** No. **969** Inside _____ Outside _____ Bottom Make **Kuster** Cap. **4150** No. **2607** Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer. **8:15** A.M.

Tool Open I.F.P. From **8:20** M. to **8:30A.** M. Hr. **10** Min. From (B) **36** P.S.I. To (C) **33** P.S.I.

Tool Closed I.C.I.P. From **8:30** M. to **9:00A.** M. Hr. **30** Min. (D) **59** P.S.I.

Tool Open F.F.P. From **9:00** M. to **9:30A.** M. Hr. **30** Min. From (E) **30** P.S.I. To (F) **30** P.S.I.

Tool Closed F.C.I.P. From **9:30** M. to **10:00A.** M. Hr. **30** Min. (G) **36** P.S.I.

Initial Hydrostatic Pressure (A) **2048** P.S.I. Final Hydrostatic Pressure (H) **2029** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW **Weak to dead in 10 min.** Bottom Choke Size **3/4** In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **10 feet mud**

Reversed Out _____ Yes ☒ No _____ Mud Type **Starch** Viscosity **39** Weight **10.0** Water Loss **10.0** cc. Maximum Temp. **112** °F

Type Circ. Sub. **Pin** Did Tool Plug? **No** Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____

Length Drill Pipe **2242** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **1451** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool **34** ft.

Remarks **Flushed tool during final flow pressure (9:15)**

WESTERN TESTING CO., INC.

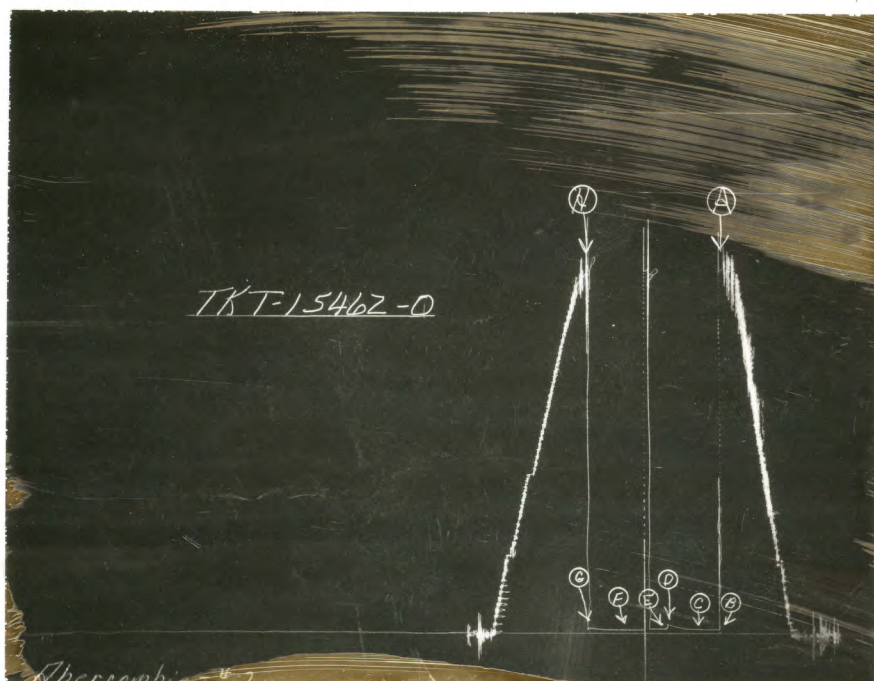
Pressure Data

Date Jan. 23, 1971 Test Ticket No. 15462
 Recorder No. 969 Capacity 4150 Location 3720 Ft.
 Clock No. 9103 Elevation 2232 Kelly Bushings Well Temperature 112 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2048</u> P.S.I.		<u>8:15</u> A. M.	
B First Initial Flow Pressure <u>36</u> P.S.I.		<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure <u>33</u> P.S.I.		<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>59</u> P.S.I.		<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure <u>30</u> P.S.I.		<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure <u>30</u> P.S.I.			
G Final Closed-in Pressure <u>36</u> P.S.I.			
H Final Hydrostatic Mud <u>2029</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>36</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>30</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>33</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>30</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>34</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>30</u>
P 4 _____		<u>9</u>	<u>35</u>	<u>15</u>	<u>30</u>	<u>9</u>	<u>30</u>
P 5 _____		<u>12</u>	<u>36</u>	<u>20</u>	<u>30</u>	<u>12</u>	<u>31</u>
P 6 _____		<u>15</u>	<u>37</u>	<u>25</u>	<u>30</u>	<u>15</u>	<u>32</u>
P 7 _____		<u>18</u>	<u>38</u>	<u>30</u>	<u>30</u>	<u>18</u>	<u>32</u>
P 8 _____		<u>21</u>	<u>39</u>			<u>21</u>	<u>33</u>
P 9 _____		<u>24</u>	<u>44</u>			<u>24</u>	<u>34</u>
P10 _____		<u>27</u>	<u>49</u>			<u>27</u>	<u>35</u>
P11 _____		<u>30</u>	<u>59</u>			<u>30</u>	<u>36</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2073	2048	PSI
(B) First Initial Flow Pressure	30	36	PSI
(C) First Final Flow Pressure	30	33	PSI
(D) Initial Closed-in Pressure	60	59	PSI
(E) Second Initial Flow Pressure	33	30	PSI
(F) Second Final Flow Pressure	33	30	PSI
(G) Final Closed-in Pressure	38	36	PSI
(H) Final Hydrostatic Mud	2063	2029	PSI



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Company **Abercrombie Drilling Inc.** Lease & Well No. **Seibel #1**
Elevation **2232 Kelly Bushings** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **15463**
Date **1-23-71** Sec. **8** Twp. **14S** Range **20W** County **E111s** State **Kansas**
Test Approved by **Jack K. Wharton** Western Representative **Jerry L. Allen**
Formation Test No. **3** O.K. ☒ Misrun _____ Interval Tested From **3690'** to **3727'** Total Depth **3727'**
Size Main Hole **7 7/8** Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth **3685** Ft. Size **6 3/4"** Packer Depth **3690** Ft. Size **6 3/4"**
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H. 4" IF** Anchor Length **37** Ft. Size **5 1/2" O.D. Perf.**
RECORDERS Depth **3717** Ft. Clock No. **9103** Depth **3720** Ft. Clock No. **8376**
Top Make **Kuster** Cap. **4150** No. **969** Inside **Outside** Bottom Make **Kuster** Cap. **4150** No. **2607** Inside **Outside**
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer **12:50** P.M.
Tool Open I.F.P. From **12:55** M. to **1:05P.** M. Hr. **10** Min. From (B) **38** P.S.I. To (C) **36** P.S.I.
Tool Closed I.C.I.P. From **1:05** M. to **1:35P.** M. Hr. **30** Min. (D) **1246** P.S.I.
Tool Open F.F.P. From **1:35** M. to **2:35P.** M. Hr. **60** Min. From (E) **41** P.S.I. To (F) **44** P.S.I.
Tool Closed F.C.I.P. From **2:35** M. to **3:20P.** M. Hr. **45** Min. (G) **1032** P.S.I.
Initial Hydrostatic Pressure (A) **1996** P.S.I. Final Hydrostatic Pressure (H) **1983** P.S.I.
SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW **Weak thru flow period** Bottom Choke Size **3/4** In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. **60 feet gas in pipe 40 feet slightly oil cut mud**
Reversed Out Yes ☒ No _____ Mud Type **Starch** Viscosity **39** Weight **9.9** Water Loss **10.0** cc. Maximum Temp. **112** °F
Type Circ. Sub. **P1n** Did Tool Plug? **No** Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____
Length Drill Pipe **2219** ft. I.D. Drill Pipe **3.7** in. Length Weight Pipe **1451** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool **57** ft.
Remarks _____

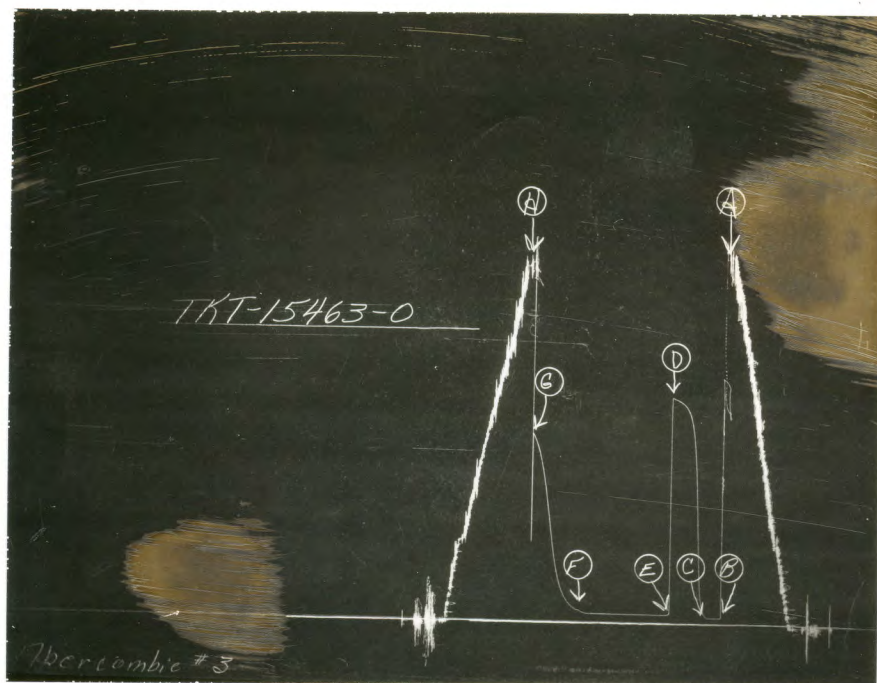
WESTERN TESTING CO., INC.
Pressure Data

Date 1-23-71 Test Ticket No. 15463
Recorder No. 969 Capacity 4150 Location 3717 Ft.
Clock No. 9103 Elevation 2232 Kelly Bushings Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1996</u> P.S.I.	Open Tool	<u>12:50 P.</u> M	
B First Initial Flow Pressure	<u>38</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1246</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>41</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>44</u> P.S.I.			
G Final Closed-in Pressure	<u>1032</u> P.S.I.			
H Final Hydrostatic Mud	<u>1983</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>38</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>81</u>	<u>5</u>	<u>41</u>	<u>3</u>	<u>49</u>
P 3 <u>10</u>	<u>36</u>	<u>6</u>	<u>217</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>57</u>
P 4 _____		<u>9</u>	<u>596</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>70</u>
P 5 _____		<u>12</u>	<u>870</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>90</u>
P 6 _____		<u>15</u>	<u>1082</u>	<u>25</u>	<u>41</u>	<u>15</u>	<u>112</u>
P 7 _____		<u>18</u>	<u>1170</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>149</u>
P 8 _____		<u>21</u>	<u>1209</u>	<u>35</u>	<u>41</u>	<u>21</u>	<u>204</u>
P 9 _____		<u>24</u>	<u>1230</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>284</u>
P10 _____		<u>27</u>	<u>1240</u>	<u>45</u>	<u>43</u>	<u>27</u>	<u>399</u>
P11 _____		<u>30</u>	<u>1246</u>	<u>50</u>	<u>43</u>	<u>30</u>	<u>573</u>
P12 _____				<u>55</u>	<u>44</u>	<u>33</u>	<u>731</u>
P13 _____				<u>60</u>	<u>44</u>	<u>36</u>	<u>871</u>
P14 _____						<u>39</u>	<u>965</u>
P15 _____						<u>42</u>	<u>1004</u>
P16 _____						<u>45</u>	<u>1032</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1996	1996	PSI
(B) First Initial Flow Pressure	40	38	PSI
(C) First Final Flow Pressure	40	36	PSI
(D) Initial Closed-in Pressure	1250	1246	PSI
(E) Second Initial Flow Pressure	45	41	PSI
(F) Second Final Flow Pressure	50	44	PSI
(G) Final Closed-in Pressure	1030	1032	PSI
(H) Final Hydrostatic Mud	1983	1983	PSI



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Company **Abercrombie Drilling Inc.** Lease & Well No. **Seibel #1**

Elevation **2232 Kelly Bushings** Formation **Reagan Sand** Effective Pay _____ Ft. Ticket No. **15464**

Date **1-24-71** Sec. **8** Twp. **14S** Range **20W** County **E111s** State **Kansas**

Test Approved by **Jack K. Wharton** Western Representative **Jerry L. Allen**

Formation Test No. **4** O.K. ☒ Misrun _____ Interval Tested From **3842'** to **3857'** Total Depth **3857'**

Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No

Packer Depth **3837** Ft. Size **6 3/4"** Packer Depth **3842** Ft. Size **6 3/4"**

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H. 4" E.H.** Anchor Length **15** Ft. Size **5 1/2" O.D.**

RECORDERS Depth **3850** Ft. Clock No. **9103** Depth **3853** Ft. Clock No. **8376**

Top Make **Kuster** Cap. **4150** No. **969** Inside _____ Outside _____ Bottom Make **Kuster** Cap. **4150** No. **2607** Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **5:50** P. M

Tool Open I.F.P. From **5:55** M. to **6:00P.** M. Hr. **5** Min. From (B) **46** P.S.I. To (C) **59** P.S.I.

Tool Closed I.C.I.P. From **6:00** M. to **6:30P.** M. Hr. **30** Min. (D) **1174** P.S.I.

Tool Open F.F.P. From **6:30** M. to **7:30P.** M. Hr. **1** Min. From (E) **98** P.S.I. To (F) **506** P.S.I.

Tool Closed F.C.I.P. From **7:30** M. to **8:15P.** M. Hr. **45** Min. (G) **1169** P.S.I.

Initial Hydrostatic Pressure (A) **2073** P.S.I. Final Hydrostatic Pressure (H) **2059** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW **Fair increasing to strong thru flow period** Bottom Choke Size **3/4** In.

Did Well Flow Yes ☒ No _____ Recovery Total Ft. **100 feet gas in pipe - 1180 clean gassy oil - 240 feet very heavy oil cut mud.**

Reversed Out Yes ☒ No _____ Mud Type **Starch** Viscosity **41** Weight **10.87** Water Loss **14** cc. Maximum Temp. **118** °F

Type Circ. Sub. **Pin** Did Tool Plug? **No** Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____

Length Drill Pipe **2371** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **1451** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool **35** ft.

Remarks **37 gravity Grind out last 4 stands 7% water 3% mud 90% oil**

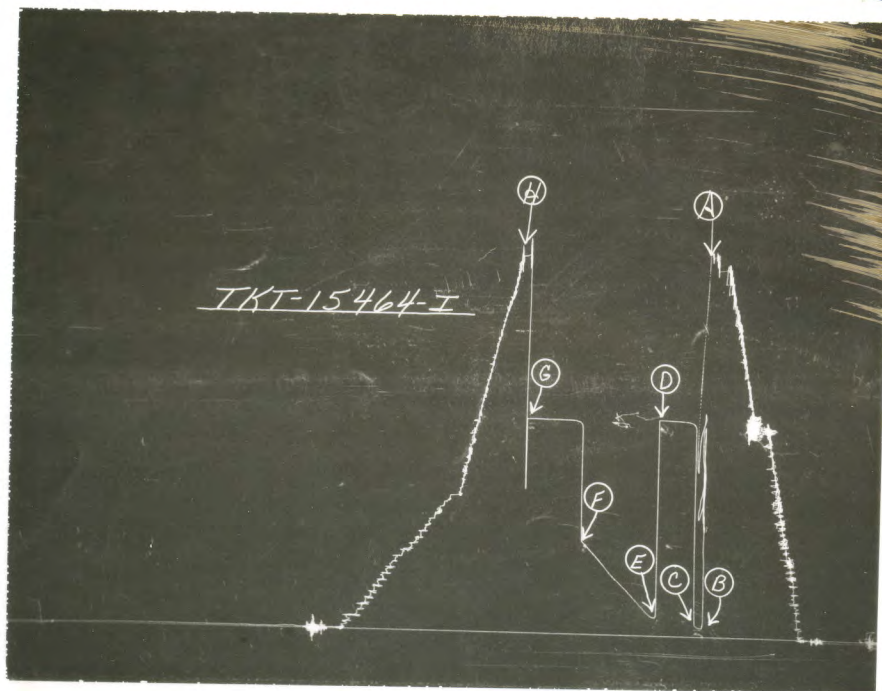
WESTERN TESTING CO., INC.
Pressure Data

Date 1-24-71 Test Ticket No. 15464
 Recorder No. 969 Capacity 4150 Location 3850 Ft.
 Clock No. 9103 Elevation 2232 Kelly Bushings Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2073</u> P.S.I.	Open Tool	<u>5:50</u>	<u>P_M</u>
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>6</u> Mins.
C First Final Flow Pressure	<u>59</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1174</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>98</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
F Second Final Flow Pressure	<u>506</u> P.S.I.			
G Final Closed-in Pressure	<u>1169</u> P.S.I.			
H Final Hydrostatic Mud	<u>2059</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>46</u>	<u>0</u>	<u>59</u>	<u>0</u>	<u>98</u>	<u>0</u>	<u>506</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>1151</u>	<u>5</u>	<u>110</u>	<u>3</u>	<u>1158</u>
P 3 <u>6</u>	<u>59</u>	<u>6</u>	<u>1164</u>	<u>10</u>	<u>145</u>	<u>6</u>	<u>1162</u>
P 4 _____		<u>9</u>	<u>1168</u>	<u>15</u>	<u>184</u>	<u>9</u>	<u>1164</u>
P 5 _____		<u>12</u>	<u>1169</u>	<u>20</u>	<u>219</u>	<u>12</u>	<u>1166</u>
P 6 _____		<u>15</u>	<u>1169</u>	<u>25</u>	<u>254</u>	<u>15</u>	<u>1167</u>
P 7 _____		<u>18</u>	<u>1170</u>	<u>30</u>	<u>290</u>	<u>18</u>	<u>1168</u>
P 8 _____		<u>21</u>	<u>1171</u>	<u>35</u>	<u>323</u>	<u>21</u>	<u>1168</u>
P 9 _____		<u>24</u>	<u>1172</u>	<u>40</u>	<u>366</u>	<u>24</u>	<u>1168</u>
P10 _____		<u>27</u>	<u>1173</u>	<u>45</u>	<u>407</u>	<u>27</u>	<u>1168</u>
P11 _____		<u>30</u>	<u>1174</u>	<u>50</u>	<u>448</u>	<u>30</u>	<u>1169</u>
P12 _____				<u>55</u>	<u>483</u>	<u>33</u>	<u>1169</u>
P13 _____				<u>60</u>	<u>506</u>	<u>36</u>	<u>1169</u>
P14 _____						<u>39</u>	<u>1169</u>
P15 _____						<u>42</u>	<u>1169</u>
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2075	2073	PSI
(B) First Initial Flow Pressure	51	46	PSI
(C) First Final Flow Pressure	66	59	PSI
(D) Initial Closed-in Pressure	1173	1174	PSI
(E) Second Initial Flow Pressure	102	98	PSI
(F) Second Final Flow Pressure	512	506	PSI
(G) Final Closed-in Pressure	1158	1169	PSI
(H) Final Hydrostatic Mud	2063	2059	PSI