

Company Reed Parker Lease & Well No. Thomas #1  
 Elevation -- Formation --- Effective Pay --- Ft. Ticket No. 4944  
 Date 5/21/80 Sec. 18 Twp. 29S Range 13E County Elk State Kansas  
 Test Approved by Reed Parker Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 1589 ft. to 1595 ft. Total Depth 1595 ft.  
 Packer Depth 1584 ft. Size 5½ in. Packer Depth - ft. Size - in.  
 Packer Depth 1589 ft. Size 5½ in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 1578 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 1581 ft. Recorder Number 10980 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor IPI Drilling Rig #1 Drill Collar Length - I. D. - in.  
 Mud Type chemical Viscosity 28 Weight Pipe Length - I. D. - in.  
 Weight 8.9 Water Loss 40 cc. Drill Pipe Length 1564 I. D. 3" in.  
 Chlorides 1,000 P.P.M. Test Tool Length 31 ft. Tool Size 4½ in.  
 Jars: Make -- Serial Number - Anchor Length 6 ft. Size 4½ in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 6¼ in. Tool Joint Size 3½ IF in.

Blow: Very weak blow; died in five minutes; flushed tool, surge of bubbles; no blow after surge on flow period.

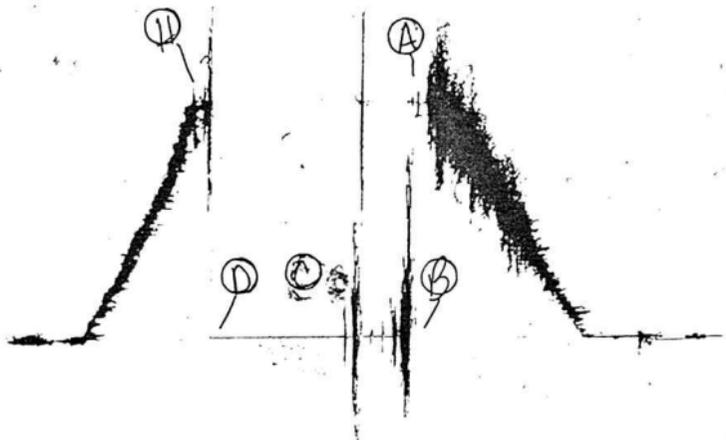
Recovered 10 ft. of thin watery mud  
 Recovered - ft. of -  
 Recovered - ft. of - MISRUN  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Remarks: Did not get to bottom; ten feet off.

Time Set Packer(s) 8:05 ~~AM~~ P.M. Time Started Off Bottom 9:45 ~~AM~~ P.M. Maximum Temperature 94°  
 Initial Hydrostatic Pressure (A) 1519 P.S.I.  
 Initial Flow Period (B) -- P.S.I. to (C) -- P.S.I.  
 Initial Closed In Period (D) -- P.S.I.  
 Final Flow Period (E) -- P.S.I. to (F) -- P.S.I.  
 Final Closed In Period (G) -- P.S.I.  
 Final Hydrostatic Pressure (H) 1498 P.S.I.

THOMAS DST #1

TRK # 4944  
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Company Reed Parker Lease & Well No. Thomas #1  
 Elevation 1086 Ground Level Formation Burgess Sand Effective Pay --- Ft. Ticket No. 4945  
 Date 5/22/80 Sec. 18 Twp. 29S Range 13E County Elk State Kansas  
 Test Approved by Reed Parker Western Representative W. K. Hager

Formation Test No. 2 Interval Tested from 1589 ft. to 1595 ft. Total Depth 1595 ft.  
 Packer Depth 1584 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.  
 Packer Depth 1589 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1578 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 1581 ft. Recorder Number 4200 Cap. 10980  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor IPI Drilling Rig #1 Drill Collar Length - I. D. - in.  
 Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.  
 Weight 9.0 Water Loss 20 cc. Drill Pipe Length 1564 I. D. 3 in.  
 Chlorides 1,000 P.P.M. Test Tool Length 31 ft. Tool Size 4 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 6 ft. Size 4 1/2 in.  
 Did Well Flow? Gas Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 6 1/4 in. Tool Joint Size 3 1/2 IF in.

Blow: Strong blow, gas to surface in sixty-five minutes, too weak to measure, decreasing to weak blow on flow period.

Recovered 1415 ft. of free gassy oil  
 Recovered 30 ft. of heavy oil and gas cut mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: \_\_\_\_\_

Time Set Packer(s) 2:35 ~~AM~~ P.M. Time Started Off Bottom 5:50 ~~AM~~ P.M. Maximum Temperature 94°  
 Initial Hydrostatic Pressure ..... (A) 746 P.S.I.  
 Initial Flow Period ..... Minutes 120 (B) 50 P.S.I. to (C) 327 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 528 P.S.I.  
 Final Flow Period ..... Minutes -- (E) -- P.S.I. to (F) -- P.S.I.  
 Final Closed In Period ..... Minutes -- (G) -- P.S.I.  
 Final Hydrostatic Pressure ..... (H) 726 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 5/22/80 Test Ticket No. 4945  
 Recorder No. 1561 Capacity 3200 Location 1578 Ft.  
 Clock No. - Elevation 1086 Ground Level Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>746</u>	P.S.I.	<u>2:35P</u>	<u>M</u>
B First Initial Flow Pressure	<u>50</u>	P.S.I.	<u>120</u>	<u>Mins. 120</u> Mins.
C First Final Flow Pressure	<u>327</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u> Mins.
D Initial Closed-in Pressure	<u>528</u>	P.S.I.	<u>--</u>	<u>Mins. --</u> Mins.
E Second Initial Flow Pressure	<u>--</u>	P.S.I.	<u>--</u>	<u>Mins. --</u> Mins.
F Second Final Flow Pressure	<u>--</u>	P.S.I.		
G Final Closed-in Pressure	<u>--</u>	P.S.I.		
H Final Hydrostatic Mud	<u>726</u>	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 24 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

**Final Shut-In**  
 Breakdown: 0 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>50</u>	<u>0</u>	<u>327</u>				
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>465</u>				
P 3 <u>10</u>	<u>80</u>	<u>6</u>	<u>497</u>				
P 4 <u>15</u>	<u>100</u>	<u>9</u>	<u>509</u>				
P 5 <u>20</u>	<u>119</u>	<u>12</u>	<u>517</u>				
P 6 <u>25</u>	<u>135</u>	<u>15</u>	<u>520</u>				
P 7 <u>30</u>	<u>152</u>	<u>18</u>	<u>524</u>				
P 8 <u>35</u>	<u>166</u>	<u>21</u>	<u>525</u>				
P 9 <u>40</u>	<u>179</u>	<u>24</u>	<u>526</u>				
P10 <u>45</u>	<u>192</u>	<u>27</u>	<u>527</u>				
P11 <u>50</u>	<u>206</u>	<u>30</u>	<u>528</u>				
P12 <u>55</u>	<u>217</u>						
P13 <u>60</u>	<u>228</u>						
P14 <u>65</u>	<u>239</u>						
P15 <u>70</u>	<u>247</u>						
P16 <u>75</u>	<u>257</u>						
P17 <u>80</u>	<u>267</u>						
P18 <u>85</u>	<u>276</u>						
P19 <u>90</u>	<u>284</u>						
P20 <u>95</u>	<u>292</u>						

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 5/22/80

Recorder No. 1561

Capacity 3200

Test Ticket No. 4945

Clock No. - Elevation 1086 Ground Level

Location 1578 Ft.

Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>746</u> P.S.I.	Open Tool	<u>2:35P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>50</u> P.S.I.	First Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
C. First Final Flow Pressure	<u>327</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>528</u> P.S.I.	Second Flow Pressure	<u>--</u> Mins.	<u>--</u> Mins.
E. Second Initial Flow Pressure	<u>--</u> P.S.I.	Final Closed-in Pressure	<u>--</u> Mins.	<u>--</u> Mins.
F. Second Final Flow Pressure	<u>--</u> P.S.I.			
G. Final Closed-in Pressure	<u>--</u> P.S.I.			
H. Final Hydrostatic Mud	<u>726</u> P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 24 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 10 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

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

**Final Shut-In**  
Breakdown: 0 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>100</u>	<u>301</u>					
P 2	<u>105</u>	<u>308</u>					
P 3	<u>110</u>	<u>316</u>					
P 4	<u>115</u>	<u>322</u>					
P 5	<u>120</u>	<u>327</u>					
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TR#4945

I.

