



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Chaddick # 4
Elevation 2215 Kelly Bushings Formation Mississippi Effective Pay --- Ft. Ticket No. 10380
Date 11-14-67 Sec. --- Twp. --- Range --- County Pawnee State Kansas
Test Approved by Charles Slagle Western Representative Dean Blagrave
Formation Test No. 1 O.K. ☒ Misrun --- Interval Tested From 4359' to 4368' Total Depth 4368'
Size Main Hole 7 7/8 Rat Hole --- Conv. --- B.T. ☒ Damaged --- Yes ☒ No Conv. ☒ B.T. --- Damaged --- Yes ☒ No
Packer Depth 4354 Ft. Size 6 3/4 Packer Depth 4359 Ft. Size 6 3/4
Straddle --- Yes --- No ☒ Conv. --- B.T. --- Damaged --- Yes --- No
Packer Depth --- Ft. Size ---
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 9 Ft. Size 5 1/2" OD
RECORDERS Depth 4348 Ft. Clock No. 8475 Depth 4362 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside --- Outside --- Bottom Make Amerada Cap. 4300 No. 1567 Inside --- Outside ---
Below Straddle: Depth --- Clock No. --- Inside --- Outside --- Depth --- Ft. Clock No. --- Inside --- Outside ---
Top Make --- Cap. --- No. --- Inside --- Outside --- Bottom Make --- Cap. --- No. --- Inside --- Outside ---
Time Set Packer 11:03 A. M
Tool Open I.F.P. From 11:06 M. to 11:16 A. M. Hr. 10 Min. From (B) 43 P.S.I. To (C) 35 P.S.I.
Tool Closed I.C.I.P. From 11:16 M. to 11:46 A. M. Hr. 30 Min. (D) 970 P.S.I.
Tool Open F.F.P. From 11:46 M. to 12:16 P. M. Hr. 30 Min. From (E) 39 P.S.I. To (F) 40 P.S.I.
Tool Closed F.C.I.P. From 12:16 M. to 1:16 P. M. Hr. --- Min. (G) 985 P.S.I.
Initial Hydrostatic Pressure (A) 2255 P.S.I. Final Hydrostatic Pressure (H) 2226 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. --- Time --- Description of Flow ---
INFORMATION --- M. ---
--- M. ---
--- M. ---
BLOW Weak for ten minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No --- Recovery Total Ft. Ten feet mud with few oil specks.
Reversed Out Yes ☒ No --- Mud Type starch Viscosity 43 Weight 9.8 Water Loss 10.4 cc. Maximum Temp. 117 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make --- Ser. No. ---
Type Circ. Sub. plug Did Tool Plug? no Where? --- Did Packer Hold? yes
Length Drill Pipe --- ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 750 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars --- in. Length D.S.T. Tool 33 ft.
Remarks Flushed at 15 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date 11-14-67 Test Ticket No. 10380
 Recorder No. 2606 Capacity 4150 Location 4348 Ft.
 Clock No. 8475 Elevation 2215 Kelly Bushings Well Temperature 117 °F

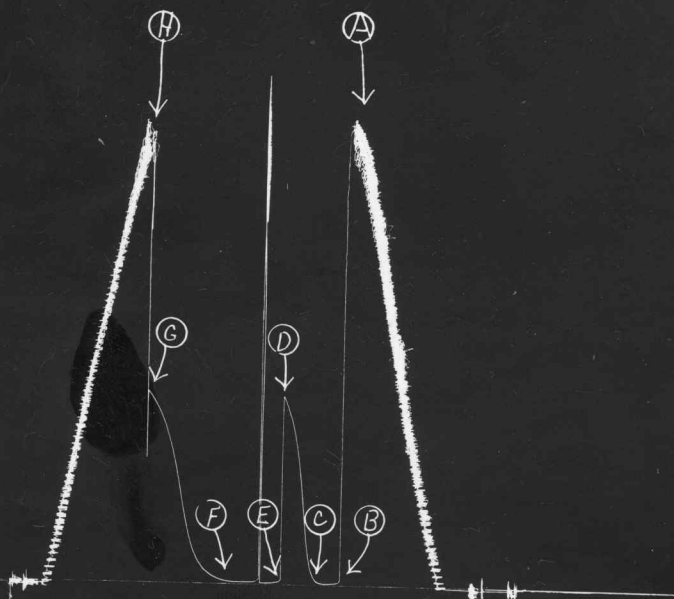
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2255</u> P.S.I.	Opened Tool	<u>11:03 A.M.</u>	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>35</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>970</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>40</u> P.S.I.			
G Final Closed-in Pressure	<u>985</u> P.S.I.			
H Final Hydrostatic Mud	<u>2226</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		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>20</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>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>40</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>39</u>	<u>3</u>	<u>42</u>
P 3 <u>10</u>	<u>35</u>	<u>6</u>	<u>104</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>45</u>
P 4		<u>9</u>	<u>249</u>	<u>15</u>	<u>40</u>	<u>9</u>	<u>49</u>
P 5		<u>12</u>	<u>456</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>54</u>
P 6		<u>15</u>	<u>626</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>68</u>
P 7		<u>18</u>	<u>762</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>87</u>
P 8		<u>21</u>	<u>860</u>			<u>21</u>	<u>120</u>
P 9		<u>24</u>	<u>916</u>			<u>24</u>	<u>141</u>
P10		<u>27</u>	<u>953</u>			<u>27</u>	<u>189</u>
P11		<u>30</u>	<u>970</u>			<u>30</u>	<u>251</u>
P12						<u>33</u>	<u>351</u>
P13						<u>36</u>	<u>462</u>
P14						<u>39</u>	<u>571</u>
P15						<u>42</u>	<u>669</u>
P16						<u>45</u>	<u>756</u>
P17						<u>48</u>	<u>825</u>
P18						<u>51</u>	<u>877</u>
P19						<u>54</u>	<u>928</u>
P20						<u>57</u>	<u>960</u>
						<u>60</u>	<u>985</u>

Pickrell Drlg Co.
Chaddick #4

TKT-10380
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2250	2255 PSI
(B) First Initial Flow Pressure	31	43 PSI
(C) First Final Flow Pressure	31	35 PSI
(D) Initial Closed-in Pressure	966	970 PSI
(E) Second Initial Flow Pressure	31	39 PSI
(F) Second Final Flow Pressure	41	40 PSI
(G) Final Closed-in Pressure	987	985 PSI
(H) Final Hydrostatic Mud	2229	2226 PSI



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Company Pickrell Drlg. Co. Lease & Well No. Chaddick # 4
Elevation 2215 Kelly Bushings Formation Mississippi Effective Pay --- Ft. Ticket No. 10381
Date 11-15-67 Sec. --- Twp. --- Range --- County Pawnee State Kansas
Test Approved by Charles Slagle Western Representative Dean Blagrave
Formation Test No. 2 O.K. ☒ Misrun --- Interval Tested From 4368' to 4375' Total Depth 4375'
Size Main Hole 7 7/8 Rat Hole --- Conv. --- B.T. ☒ Damaged --- Yes ☒ No ☒ Conv. ☒ B.T. --- Damaged --- Yes ☒ No ---
Packer Depth 4363 Ft. Size 6 3/4 Packer Depth 4368 Ft. Size 6 3/4
Straddle --- Yes --- No ☒ Conv. --- B.T. --- Damaged --- Yes --- No ---
Packer Depth --- Ft. Size ---
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 7 Ft. Size 5 1/2" OD
RECORDERS Depth 4357 Ft. Clock No. 8475 Depth 4371 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside --- Bottom Make Amerada Cap. 4300 No. 1567 Inside ---
Below Straddle: Depth --- Clock No. --- Inside --- Depth --- Ft. Clock No. --- Outside ---
Top Make --- Cap. --- No. --- Inside --- Bottom Make --- Cap. --- No. --- Outside ---
Time Set Packer 12:25 A. M
Tool Open I.F.P. From 12:27 M. to 12:37 A. Hr. 10 Min. From (B) 41 P.S.I. To (C) 41 P.S.I.
Tool Closed I.C.I.P. From 12:37 M. to 1:07 A. M. Hr. 30 Min. (D) 1126 P.S.I.
Tool Open F.F.P. From 1:07 M. to 1:37 A. M. Hr. 30 Min. From (E) 45 P.S.I. To (F) 45 P.S.I.
Tool Closed F.C.I.P. From 1:37 M. to 2:37 A. M. Hr. 1 Min. (G) 1068 P.S.I.
Initial Hydrostatic Pressure (A) 2293 P.S.I. Final Hydrostatic Pressure (H) 2286 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. --- Time --- Description of Flow ---
INFORMATION --- M. ---
--- M. ---
--- M. ---
BLOW Weak for 18 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No --- Recovery Total Ft. 15 feet oil specked mud.
Reversed Out Yes ☒ No --- Mud Type Starch Viscosity 43 Weight 9.8 Water Loss 10.4 cc. Maximum Temp. 117 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size np Make --- Ser. No. ---
Type Circ. Sub. plug Did Tool Plug? no Where? --- Did Packer Hold? yes
Length Drill Pipe --- ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 750 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars --- in. Length D.S.T. Tool 31 ft.

Remarks

Pressure Data

Date 11-15-67

Test Ticket No. 10381

Recorder No. 2606 Capacity 4150 Location 4357 Ft.

Clock No. 8475 Elevation 2215 Kelly Bushings Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
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A Initial Hydrostatic Mud 2293 P.S.I. Opened Tool 12:25 A. M

B First Initial Flow Pressure 41 P.S.I. First Flow Pressure 10 Mins. 10 Mins.

C First Final Flow Pressure 41 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.

D Initial Closed-in Pressure 1126 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.

E Second Initial Flow Pressure 45 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.

F Second Final Flow Pressure 45 P.S.I.

G Final Closed-in Pressure 1068 P.S.I.

H Final Hydrostatic Mud 2286 P.S.I.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 2 Inc.
of 5 mins. and a
final inc. of -- Min.

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

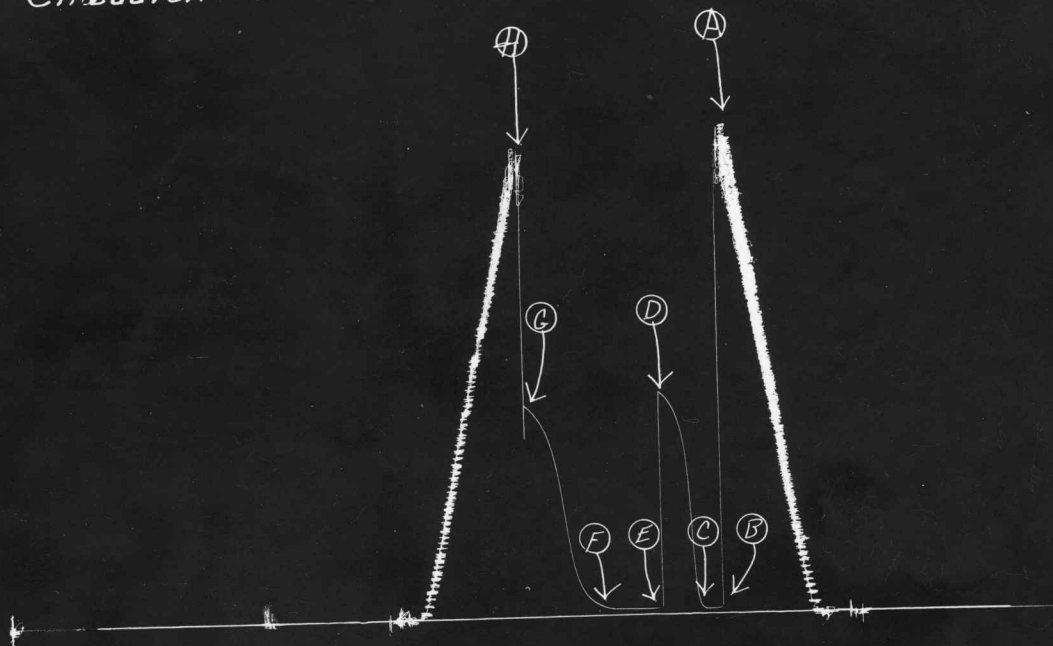
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of -- Min.

Final Shut-In
Breakdown: **20** Inc.
of **3** mins. and a
final inc. of **--** Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1. 0	41	0	41	0	45	0	45
P 2. 5	41	3	66	5	45	3	46
P 3. 10	41	6	214	10	45	6	48
P 4. _____		9	497	15	45	9	52
P 5. _____		12	733	20	45	12	60
P 6. _____		15	896	25	45	15	70
P 7. _____		18	981	30	45	18	89
P 8. _____		21	1039			21	120
P 9. _____		24	1077			24	166
P10. _____		27	1105			27	239
P11. _____		30	1126			30	336
P12. _____						33	466
P13. _____						36	611
P14. _____						39	731
P15. _____						42	831
P16. _____						45	900
P17. _____						48	952
P18. _____						51	997
P19. _____						54	1028
P20. _____						57	1051
						60	1068

Pickrell Drlg Co.
Chaddick #4

TKT-10381
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2292	2293	PSI
(B) First Initial Flow Pressure	41	41	PSI
(C) First Final Flow Pressure	41	41	PSI
(D) Initial Closed-in Pressure	1122	1126	PSI
(E) Second Initial Flow Pressure	41	45	PSI
(F) Second Final Flow Pressure	41	45	PSI
(G) Final Closed-in Pressure	1070	1068	PSI
(H) Final Hydrostatic Mud	2292	2286	PSI



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Company Pickrell Drlg. Co. Lease & Well No. Chaddick # 4
Elevation 2215 Kelly Bushings Formation Mississippi Effective Pay 7 Ft. Ticket No. 10382
Date 11-15-67 Sec. _____ Twp. _____ Range _____ County Pawnee State Kansas
Test Approved by Charles Slagle Western Representative Dean Blagrove
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4375' to 4385' Total Depth 4385'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 4370 Ft. Size 6 3/4 Packer Depth 4375 Ft. Size 6 3/4
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 10 Ft. Size 5 1/2" OD
RECORDERS Depth 4379 Ft. Clock No. 8475 Depth 4382 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside _____ Outside _____ Bottom Make Amerada Cap. 4300 No. 1567 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 1:35 P. M
Tool Open I.F.P. From 1:37 M. to 1:42 P M. Hr. 5 Min. From (B) 64 P.S.I. To (C) 81 P.S.I.
Tool Closed I.C.I.P. From 1:42 M. to 2:12 P M. Hr. 30 Min. (D) 1240 P.S.I.
Tool Open F.F.P. From 2:12 M. to 4:12 P M. 2 Hr. -- Min. From (E) 126 P.S.I. To (F) 635 P.S.I.
Tool Closed F.C.I.P. From 4:12 M. to 5:12 P M. 1 Hr. -- Min. (G) 1198 P.S.I.
Initial Hydrostatic Pressure (A) 2297 P.S.I. Final Hydrostatic Pressure (H) 2256 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong throughout. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 240 feet clean oil; 120 feet muddy oil; 70 feet oil cut mud; 960 feet water; 1810 feet gas in pipe.
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 43 Weight 9.8 Water Loss 13.2 cc. Maximum Temp. 128 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 Length Weight Pipe 750 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 28 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-15-67 Test Ticket No. 10382
 Recorder No. 2606 Capacity 4150 Location 4379 Ft.
 Clock No. 8475 Elevation 2215 Kelly Bushings Well Temperature 128 °F

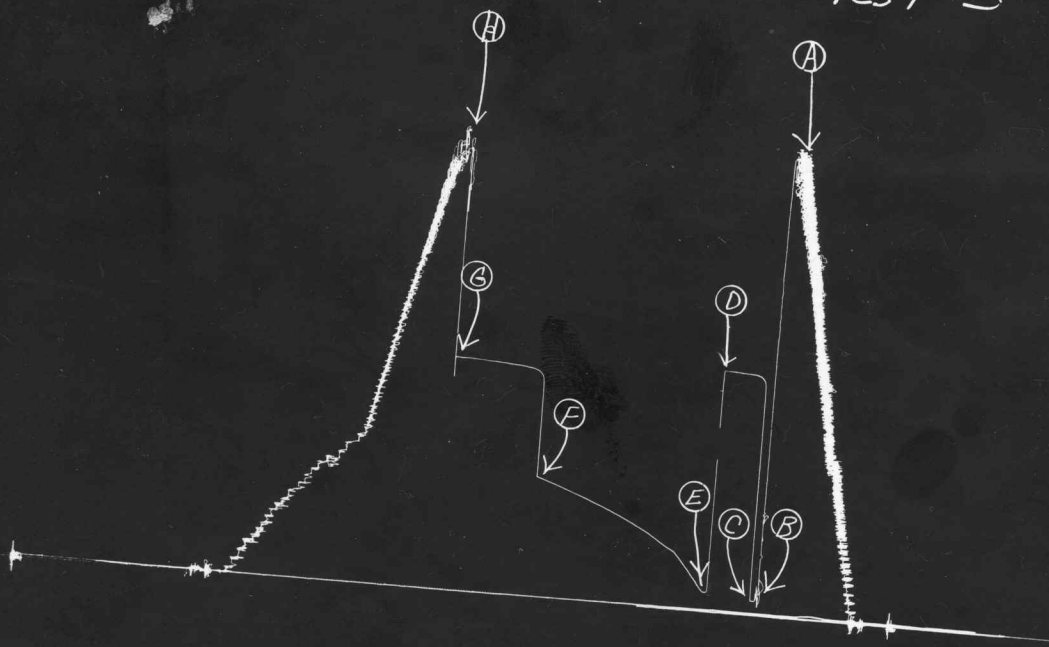
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2297</u> P.S.I.	<u>1:35 P.</u> M	
B First Initial Flow Pressure	<u>64</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>81</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1240</u> P.S.I.	<u>120</u> Mins.	<u>118</u> Mins.
E Second Initial Flow Pressure	<u>126</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>635</u> P.S.I.		
G Final Closed-in Pressure	<u>1198</u> P.S.I.		
H Final Hydrostatic Mud	<u>2256</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>20</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>—</u> Min.		final inc. of <u>—</u> Min.		final inc. of <u>3</u> Min.		final inc. of <u>—</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>64</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>126</u>	<u>0</u>	<u>635</u>
P 2 <u>5</u>	<u>81</u>	<u>3</u>	<u>551</u>	<u>5</u>	<u>149</u>	<u>3</u>	<u>1124</u>
P 3		<u>6</u>	<u>993</u>	<u>10</u>	<u>197</u>	<u>6</u>	<u>1161</u>
P 4		<u>9</u>	<u>1217</u>	<u>15</u>	<u>247</u>	<u>9</u>	<u>1171</u>
P 5		<u>12</u>	<u>1227</u>	<u>20</u>	<u>293</u>	<u>12</u>	<u>1173</u>
P 6		<u>15</u>	<u>1231</u>	<u>25</u>	<u>320</u>	<u>15</u>	<u>1178</u>
P 7		<u>18</u>	<u>1235</u>	<u>30</u>	<u>341</u>	<u>18</u>	<u>1182</u>
P 8		<u>21</u>	<u>1236</u>	<u>35</u>	<u>368</u>	<u>21</u>	<u>1184</u>
P 9		<u>24</u>	<u>1238</u>	<u>40</u>	<u>395</u>	<u>24</u>	<u>1186</u>
P10		<u>27</u>	<u>1239</u>	<u>45</u>	<u>416</u>	<u>27</u>	<u>1188</u>
P11		<u>30</u>	<u>1240</u>	<u>50</u>	<u>436</u>	<u>30</u>	<u>1189</u>
P12				<u>55</u>	<u>454</u>	<u>33</u>	<u>1190</u>
P13				<u>60</u>	<u>471</u>	<u>36</u>	<u>1191</u>
P14				<u>65</u>	<u>491</u>	<u>39</u>	<u>1192</u>
P15				<u>70</u>	<u>504</u>	<u>42</u>	<u>1193</u>
P16				<u>75</u>	<u>520</u>	<u>45</u>	<u>1194</u>
P17				<u>80</u>	<u>537</u>	<u>48</u>	<u>1196</u>
P18				<u>85</u>	<u>553</u>	<u>51</u>	<u>1197</u>
P19				<u>90</u>	<u>568</u>	<u>54</u>	<u>1197</u>
P20				<u>95</u>	<u>582</u>	<u>57</u>	<u>1198</u>
				<u>100</u>	<u>597</u>	<u>60</u>	<u>1198</u>
				<u>105</u>	<u>609</u>		
				<u>110</u>	<u>622</u>		
				<u>115</u>	<u>630</u>		
				<u>118</u>	<u>635</u>		

Pickrell Drilling Co.
Chaddick #4

TKT-10382
Test #3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2303	2297	PSI
(B) First Initial Flow Pressure	62	64	PSI
(C) First Final Flow Pressure	83	81	PSI
(D) Initial Closed-in Pressure	1246	1240	PSI
(E) Second Initial Flow Pressure	124	126	PSI
(F) Second Final Flow Pressure	634	635	PSI
(G) Final Closed-in Pressure	1194	1198	PSI
(H) Final Hydrostatic Mud	2261	2256	PSI