

Company Pickrell Drilling Company Lease & Well No. Seacat "D"#6
 Elevation -- Formation Morrow Sand Effective Pay -- Ft. Ticket No. 1142
 Date 3/26/79 Sec. 31 Twp. 30S Range 21M County Clark State Kansas
 Test Approved by Mike G. Russell Western Representative Bill Hager

Formation Test No. 1 Interval Tested from 5150 ft. to 5175 ft. Total Depth 5175 ft.

Packer Depth 5145 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 5150 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 5165 ft. Recorder Number 6246 Cap. 5200

Bottom Recorder Depth (Outside) 5168 ft. Recorder Number 5673 Cap. 5400

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

Drilling Contractor Pickrell Drilling Drill Collar Length 240 I. D. 2 1/4 in.

Mud Type drispac Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 18.6 cc. Drill Pipe Length 4880 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 30' 5E Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 408 Anchor Length 25' ft. Size 5 1/2 in.

Did Well Flow? No 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: Weak blow for first opening.

Recovered 60 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Clock stopped on Recorder 5673

Slid tool 9 feet to bottom

Time Set Packer(s) 3:40 A.M. Time Started Off Bottom 6:40 P.M. Maximum Temperature 125

Initial Hydrostatic Pressure (A) 2507 P.S.I.

Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 81 P.S.I.

Initial Closed In Period Minutes 60 (D) 202 P.S.I.

Final Flow Period Minutes 30 (E) 84 P.S.I. to (F) 76 P.S.I.

Final Closed In Period Minutes 60 (G) 123 P.S.I.

Final Hydrostatic Pressure (H) 2483 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/26/79 Test Ticket No. 1142
 Recorder No. 6246 Capacity 5200 Location 5165 Ft.
 Clock No. -- Elevation -- Well Temperature 125 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2507</u> P.S.I. | Open Tool | <u>3:40A</u> M | |
| B First Initial Flow Pressure | <u>79</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure | <u>81</u> P.S.I. | Initial Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure | <u>202</u> P.S.I. | Second Flow Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| E Second Initial Flow Pressure | <u>84</u> P.S.I. | Final Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| F Second Final Flow Pressure | <u>76</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>123</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2483</u> P.S.I. | | | |

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

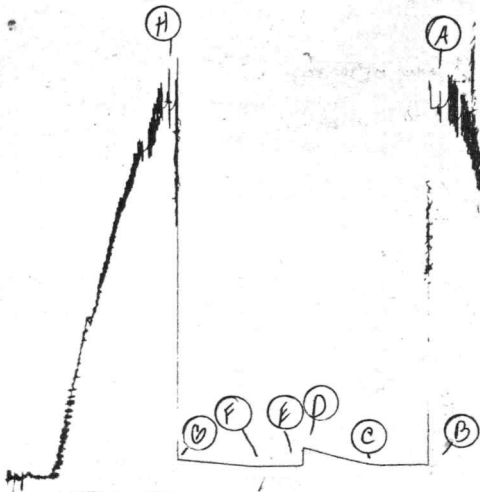
Final Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

| 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>84</u> | <u>0</u> <u>76</u> | | | |
| P 2 | <u>5</u> <u>81</u> | <u>3</u> <u>81</u> | <u>5</u> <u>79</u> | <u>3</u> <u>76</u> | | | |
| P 3 | <u>10</u> <u>81</u> | <u>6</u> <u>81</u> | <u>10</u> <u>76</u> | <u>6</u> <u>76</u> | | | |
| P 4 | <u>15</u> <u>81</u> | <u>9</u> <u>84</u> | <u>15</u> <u>76</u> | <u>9</u> <u>81</u> | | | |
| P 5 | <u>20</u> <u>81</u> | <u>12</u> <u>86</u> | <u>20</u> <u>76</u> | <u>12</u> <u>81</u> | | | |
| P 6 | <u>25</u> <u>81</u> | <u>15</u> <u>92</u> | <u>25</u> <u>76</u> | <u>15</u> <u>84</u> | | | |
| P 7 | <u>30</u> <u>81</u> | <u>18</u> <u>100</u> | <u>30</u> <u>76</u> | <u>18</u> <u>87</u> | | | |
| P 8 | | <u>21</u> <u>109</u> | | <u>21</u> <u>90</u> | | | |
| P 9 | | <u>24</u> <u>116</u> | | <u>24</u> <u>92</u> | | | |
| P10 | | <u>27</u> <u>122</u> | | <u>27</u> <u>95</u> | | | |
| P11 | | <u>30</u> <u>128</u> | | <u>30</u> <u>97</u> | | | |
| P12 | | <u>33</u> <u>136</u> | | <u>33</u> <u>100</u> | | | |
| P13 | | <u>36</u> <u>144</u> | | <u>36</u> <u>103</u> | | | |
| P14 | | <u>39</u> <u>153</u> | | <u>39</u> <u>107</u> | | | |
| P15 | | <u>42</u> <u>160</u> | | <u>42</u> <u>110</u> | | | |
| P16 | | <u>45</u> <u>168</u> | | <u>45</u> <u>113</u> | | | |
| P17 | | <u>48</u> <u>176</u> | | <u>48</u> <u>115</u> | | | |
| P18 | | <u>51</u> <u>185</u> | | <u>51</u> <u>117</u> | | | |
| P19 | | <u>54</u> <u>190</u> | | <u>54</u> <u>119</u> | | | |
| P20 | | <u>57</u> <u>196</u> | | <u>57</u> <u>121</u> | | | |
| | | <u>60</u> <u>202</u> | | <u>60</u> <u>123</u> | | | |

624/6

TKT # 1142

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 1143

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 2197 K.B. Formation MORROW SAND Eff. Pay Ft.

District PPATT Date 3-27-79 Customer Order No.

COMPANY NAME PICKRELL DRILLING CO.

ADDRESS 612 WIN BLDG. SUITE 205 110 W. MARKET WICHITA, KS.

LEASE AND WELL NO. SEACAT D-6 COUNTY CLARK STATE KS Sec. 31 Twp 20S Rge 21W

Mail Invoice To Co. Name SAME Address No. Copies Requested

Mail Charts To Co. Name SAME Address No. Copies Requested

Formation Test No. 2 Interval Tested from 5150 ft. to 5195 ft. Total Depth 5195 ft.

Packer Depth 5145 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5150 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5180 ft. Recorder Number 6246 Cap. 5200

Bottom Recorder Depth (Outside) 5183 ft. Recorder Number 5673 Cap. 5400

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor CO TOOL Drill Collar Length 240 I. D. 2 1/4 in.

Mud Type DRYPAC Viscosity 45 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 24 cc. Drill Pipe Length 4880 I. D. 3.8 in.

Chlorides P.P.M. Test Tool Length 30 in. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number Anchor Length 45 ft. Size 5 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 in.

Blow: PACKER FAILURE SLID TOOL 16 FT. TO BOTTOM.

Recovered ft. of

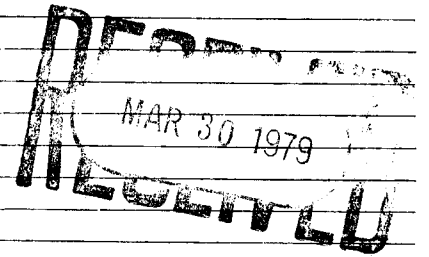
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time Set Packer(s) 7.20 AM. P.M. Time Started Off Bottom AM. P.M. Maximum Temperature

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

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

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

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Bill Chagen Thank You

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Extra Charts, and TOTAL \$415.00.

Company Pickrell Drilling Company Lease & Well No. Seacat "D"#6
 Elevation 2197 Kelly Bushing Formation Morrer Sand Effective Pay -- Ft. Ticker No. 1143
 Date 3/27/79 Sec. 31 Twp. 30S Range 21W County Clark State Kansas
 Test Approved by Mike G. Russell Western Representative Bill Hager

Formation Test No. 2 Interval Tested from 5150 ft. to 5195 ft. Total Depth 5195 ft.
 Packer Depth 5145 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5150 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5180 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 5183 ft. Recorder Number 5673 Cap. 5400
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Drill Collar Length 240 I. D. 2 1/4 in.
 Mud Type drispac Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 24 cc. Drill Pipe Length 4880 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 30' Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 408 Anchor Length 45' Size 5 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 1/2XH in.

Blow: Packer Failure
Slid tool 16 feet to bottom.

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____ MISRUN
 Recovered _____ ft. of _____

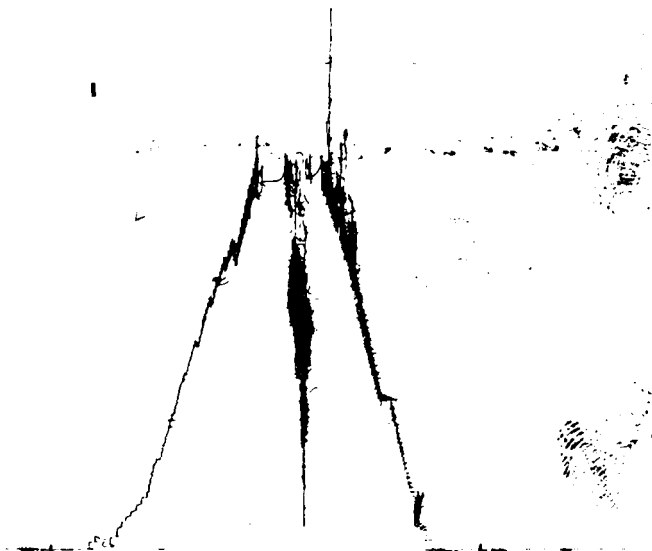
Remarks: _____

Time Set Packer(s) 7:20 A.M. Time Started Off Bottom _____ A.M. Maximum Temperature _____
 P.M. P.M.
 Initial Hydrostatic Pressure _____ (A) _____ P.S.I.
 Initial Flow Period _____ Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period _____ Minutes _____ (D) _____ 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) _____ P.S.I.

Tckt: 1143

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2246





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 1144

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 2197 K.B Formation MORROW SAND Eff. Pay Ft.

District PRATT Date 3-28-79 Customer Order No.

COMPANY NAME PICKRELL DRILG.

ADDRESS BITWIN BLDG, SUITE 205 - 110 N. MARKET WICHITA, KS 67202

LEASE AND WELL NO SEACAT D-6 COUNTY CLAIK STATE KS Sec 31 Twp 30S Rge 21 W

Mail Invoice To Co. Name SAME Address No. Copies Requested 100

Mail Charts To Co. Name SAME Address No. Copies Requested 100

Formation Test No. 3 Interval Tested from 5148 ft. to 5195 ft. Total Depth 5195 ft.

Packer Depth 5143 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5148 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5178 ft. Recorder Number 6246 Cap. 5200

Bottom Recorder Depth (Outside) 5181 ft. Recorder Number 5673 Cap. 5400

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor CO. TOOLS Drill Collar Length 240 I. D. 2 1/4 in.

Mud Type DRILLING Viscosity 56 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 14.6 cc. Drill Pipe Length 4878 I. D. 3.8 in.

Chlorides 25000 P.P.M. Test Tool Length 30 in. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number Anchor Length 47 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 9/16 X 1 1/2 in.

Blow: STRONG BLOW THRU-OUT TEST GAS TO SURFACE IN 35 MIN. 2 1/2" OPENING TOO SMALL TO CAUSE

Recovered 60 ft. of GAS CUT WATERY MUD

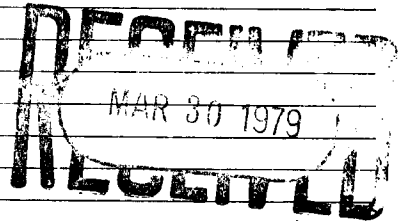
Recovered 480 ft. of SH. OIL & GAS CUT MUDDY WATER

Recovered 300 ft. of GAS CUT SULA WATER

Recovered ft. of

Recovered ft. of

Remarks: SLID TOOL 10 FT. TO BOTTOM



Time Set Packer(s) 12:35 P.M. Time Started Off Bottom 4:35 A.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure (A) 2475 P.S.I.

Initial Flow Period Minutes 30 (B) 65 P.S.I. to (C) 170 P.S.I.

Initial Closed In Period Minutes 60 (D) 981 P.S.I.

Final Flow Period Minutes 90 (E) 196 P.S.I. to (F) 287 P.S.I.

Final Closed In Period Minutes 60 (G) 955 P.S.I.

Final Hydrostatic Pressure (H) 2475 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Open Hole Test \$550.00
Misrun \$
Straddle Test \$
Jars \$250.00
Selective Zone \$
Safety Joint \$35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Extra Charts \$

TOTAL \$885.00

WESTERN TESTING CO., INC.
Pressure Data

Date 3-28-79 Test Ticket No. 1144
 Recorder No. 6246 Capacity 5200 Location 5178 Ft.
 Clock No. _____ Elevation 2197 KB Well Temperature 124 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2480</u> P.S.I. | Open Tool | <u>12:35</u> PM | |
| B First Initial Flow Pressure | <u>79</u> P.S.I. | First Flow Pressure | <u>30</u> Mins | <u>30</u> Mins. |
| C First Final Flow Pressure | <u>178</u> P.S.I. | Initial Closed-in Pressure | <u>60</u> Mins | <u>60</u> Mins. |
| D Initial Closed-in Pressure | <u>982</u> P.S.I. | Second Flow Pressure | <u>90</u> Mins | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>209</u> P.S.I. | Final Closed-in Pressure | <u>60</u> Mins | <u>60</u> Mins. |
| F Second Final Flow Pressure | <u>298</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>966</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2460</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| Point Mins. | First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | | Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | | Second Flow Pressure Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | | Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | |
|-------------|--|---------------|---|---------------|--|---------------|---|---------------|
| | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes |
| P 1 | <u>79</u> | <u>0</u> | <u>178</u> | <u>0</u> | <u>209</u> | <u>0</u> | <u>298</u> | <u>0</u> |
| P 2 | <u>107</u> | <u>3</u> | <u>236</u> | <u>3</u> | <u>196</u> | <u>3</u> | <u>351</u> | <u>3</u> |
| P 3 | <u>126</u> | <u>6</u> | <u>319</u> | <u>6</u> | <u>204</u> | <u>6</u> | <u>445</u> | <u>6</u> |
| P 4 | <u>141</u> | <u>9</u> | <u>411</u> | <u>9</u> | <u>215</u> | <u>9</u> | <u>537</u> | <u>9</u> |
| P 5 | <u>139</u> | <u>12</u> | <u>508</u> | <u>12</u> | <u>223</u> | <u>12</u> | <u>615</u> | <u>12</u> |
| P 6 | <u>157</u> | <u>15</u> | <u>584</u> | <u>15</u> | <u>230</u> | <u>15</u> | <u>696</u> | <u>15</u> |
| P 7 | <u>178</u> | <u>18</u> | <u>654</u> | <u>18</u> | <u>233</u> | <u>18</u> | <u>736</u> | <u>18</u> |
| P 8 | | <u>21</u> | <u>727</u> | <u>21</u> | <u>239</u> | <u>21</u> | <u>774</u> | <u>21</u> |
| P 9 | | <u>24</u> | <u>780</u> | <u>24</u> | <u>245</u> | <u>24</u> | <u>813</u> | <u>24</u> |
| P 10 | | <u>27</u> | <u>827</u> | <u>27</u> | <u>249</u> | <u>27</u> | <u>852</u> | <u>27</u> |
| P 11 | | <u>30</u> | <u>859</u> | <u>30</u> | <u>255</u> | <u>30</u> | <u>890</u> | <u>30</u> |
| P 12 | | <u>33</u> | <u>877</u> | <u>33</u> | <u>261</u> | <u>33</u> | <u>902</u> | <u>33</u> |
| P 13 | | <u>36</u> | <u>895</u> | <u>36</u> | <u>267</u> | <u>36</u> | <u>915</u> | <u>36</u> |
| P 14 | | <u>39</u> | <u>916</u> | <u>39</u> | <u>272</u> | <u>39</u> | <u>927</u> | <u>39</u> |
| P 15 | | <u>42</u> | <u>932</u> | <u>42</u> | <u>277</u> | <u>42</u> | <u>938</u> | <u>42</u> |
| P 16 | | <u>45</u> | <u>950</u> | <u>45</u> | <u>283</u> | <u>45</u> | <u>950</u> | <u>45</u> |
| P 17 | | <u>48</u> | <u>956</u> | <u>48</u> | <u>288</u> | <u>48</u> | <u>954</u> | <u>48</u> |
| P 18 | | <u>51</u> | <u>963</u> | <u>51</u> | <u>293</u> | <u>51</u> | <u>957</u> | <u>51</u> |
| P 19 | | <u>54</u> | <u>989</u> | <u>54</u> | <u>298</u> | <u>54</u> | <u>960</u> | <u>54</u> |
| P 20 | | <u>57</u> | <u>975</u> | <u>57</u> | | <u>57</u> | <u>963</u> | <u>57</u> |
| | | <u>60</u> | <u>982</u> | <u>60</u> | | <u>60</u> | <u>966</u> | <u>60</u> |

Company Pickrell Drilling Company Lease & Well No. Seacat "D"#6
 Elevation 2197 Kelly Bushing Formation Morrow Sand Effective Pay -- Ft. Ticket No. 1144
 Date 3/28/79 Sec. 31 Twp. 30S Range 21W County Clark State Kansas
 Test Approved by Mike G. Russell Western Representative Bill Hager

Formation Test No. 3 Interval Tested from 5148' ft. to 5195' ft. Total Depth 5195' ft.
 Packer Depth 5143 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5148 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 5178 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 5181 ft. Recorder Number 5673 Cap. 5400
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Drill Collar Length 240 I. D. 2 1/4 in.
 Mud Type drispac Viscosity 56 Weight Pipe Length === I. D. === in.
 Weight 9.2 Water Loss 14.6 cc. Drill Pipe Length 4878 I. D. 3.8 in.
 Chlorides 25,000 P.P.M. Test Tool Length 30' Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number -- Anchor Length 47' Size 5 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: Strong blow throughout test.
Gas to surface in 35 minutes second opening. Too small to gauge.

Recovered 60 ft. of gas cut watery mud
 Recovered 480 ft. of slightly oil and gas cut muddy water
 Recovered 300 ft. of gas cut sulfur water
 Recovered ft. of
 Recovered ft. of

Remarks: Slid tool 10 feet to bottom.

Time Set Packer(s) 12:35 ~~AM~~ P.M. Time Started Off Bottom 4:35 ~~AM~~ P.M. Maximum Temperature 124
 Initial Hydrostatic Pressure (A) 2480 P.S.I.
 Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 178 P.S.I.
 Initial Closed In Period Minutes 60 (D) 982 P.S.I.
 Final Flow Period Minutes 90 (E) 209 P.S.I. to (F) 298 P.S.I.
 Final Closed In Period Minutes 60 (G) 966 P.S.I.
 Final Hydrostatic Pressure (H) 2460 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/28/79 Test Ticket No. 1144
 Recorder No. 6246 Capacity 5200 Location 5178 Ft.
 Clock No. -- Elevation 2197 Kelly Bushing Well Temperature 124 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|----------|--------|------------|----------------|
| A Initial Hydrostatic Mud | 2480 | P.S.I. | 12:35P | M |
| B First Initial Flow Pressure | 79 | P.S.I. | 30 | Mins. 30 Mins. |
| C First Final Flow Pressure | 178 | P.S.I. | 60 | Mins. 60 Mins. |
| D Initial Closed-in Pressure | 982 | P.S.I. | 90 | Mins. 90 Mins. |
| E Second Initial Flow Pressure | 209 | P.S.I. | 60 | Mins. 60 Mins. |
| F Second Final Flow Pressure | 298 | P.S.I. | | |
| G Final Closed-in Pressure | 966 | P.S.I. | | |
| H Final Hydrostatic Mud | 2460 | P.S.I. | | |

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 18 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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 | 0 | 79 | 0 | 178 | 0 | 209 | 0 | 298 |
| P 2 | 5 | 107 | 3 | 236 | 5 | 196 | 3 | 351 |
| P 3 | 10 | 126 | 6 | 319 | 10 | 204 | 6 | 445 |
| P 4 | 15 | 141 | 9 | 411 | 15 | 215 | 9 | 537 |
| P 5 | 20 | 139 | 12 | 508 | 20 | 223 | 12 | 615 |
| P 6 | 25 | 157 | 15 | 584 | 25 | 230 | 15 | 696 |
| P 7 | 30 | 178 | 18 | 654 | 30 | 233 | 18 | 736 |
| P 8 | | | 21 | 727 | 35 | 239 | 21 | 774 |
| P 9 | | | 24 | 780 | 40 | 245 | 24 | 813 |
| P10 | | | 27 | 827 | 45 | 249 | 27 | 852 |
| P11 | | | 30 | 859 | 50 | 255 | 30 | 890 |
| P12 | | | 33 | 877 | 55 | 261 | 33 | 902 |
| P13 | | | 36 | 895 | 60 | 267 | 36 | 915 |
| P14 | | | 39 | 916 | 65 | 272 | 39 | 927 |
| P15 | | | 42 | 932 | 70 | 277 | 42 | 938 |
| P16 | | | 45 | 950 | 75 | 283 | 45 | 950 |
| P17 | | | 48 | 956 | 80 | 288 | 48 | 954 |
| P18 | | | 51 | 963 | 85 | 293 | 51 | 957 |
| P19 | | | 54 | 969 | 90 | 298 | 54 | 960 |
| P20 | | | 57 | 975 | | | 57 | 963 |
| WTC - 4 | | | 60 | 982 | | | 60 | 966 |

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