



P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET **25274**

Formation COTTAGEWOOD Elevation 2275 KB Eff. Pay Ft.

District LIBERAL Date 6-8-75 Customer Order No.
 COMPANY NAME IMPERIAL OIL COMPANY
 ADDRESS 720 Fourth Financial Center
 LEASE AND WELL NO. McCorm "B" 1 COUNTY CLARK STATE KANSAS Sec. 15 Twp. 30^S Rge. 21^W
 Mail Inv. To IMPERIAL OIL CO. Co. Name Address No. Copies Requested 5
 Mail Charts To IMPERIAL OIL CO. Address No. Copies Requested 5

Formation Test No. 1 O.K. Misrun Interval Tested From 3134 to 3160 Total Depth 3160
 Size Main Hole 7 3/4 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3129 Ft. Size 6 3/4 Bottom Packer Depth 3134 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 26 Ft. Size 6 3/4 Surface Choke Size 3 1/4 In. Bottom Choke Size 3 1/4 In.

RECORDERS Depth 3150 Ft. Clock No. 6899 Inside
 Top Make KUSTER Cap. 4000 No. 3660 Outside
 Below Straddle: Depth Rec. No. Clock No. Outside
 Depth 3155 Ft. Clock No. 6895 Inside
 Bottom Make KUSTER Cap. 4000 No. 3659 Outside

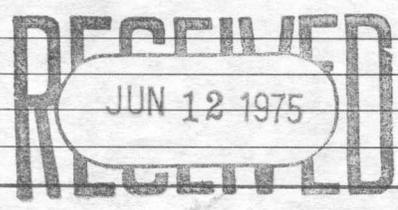
Time Set Packer 5:12 PM
 Tool Open I.F.P. From 5:15 PM. to 6:15 PM. 1 Hr. Min. From (B) 4148 P.S.I. To (C) 5160 P.S.I.
 Tool Closed I.C.I.P. From 6:15 PM. to 7:15 PM. 1 Hr. Min. (D) 1032 1038 P.S.I.
 Tool Open F.F.P. From 7:15 PM. to 8:15 PM. 1 Hr. Min. From (E) 5163 P.S.I. To (F) 6571 P.S.I.
 Tool Closed F.C.I.P. From 8:15 PM. to 9:15 PM. 1 Hr. Min. (G) 983 980 P.S.I.
 Initial Hydrostatic Pressure (A) 1677 P.S.I. Final Hydrostatic Pressure (H) 1603 P.S.I. Maximum Temp. 118°

INFORMATION

BLOW FAIR
 Did Well Flow Yes No Recovery Total Ft. 100' DRUG MUD

Reversed Out Yes No Mud Type STARCH Viscosity 48 Weight 10.0 Water Loss cc. Chlorides 138,000 PPM
 EXTRA EQUIPMENT: Type Circ. Sub. PIW Safety Joint XXX Jars: Size 3 3/8 In. Make WTC Ser. No. 405
 Dual Packers YES Did Packers Hold? YES Did Tool Plug? NO Where?
 DRILLING CONTRACTOR RED TIGER Big #6 Length Drill Pipe 3127 ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 5 1/2 FH
 Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars ft. I.D. Drill Collars In.
 Tool Joint Size In. Length D.S.T. Tool 54 ft.

Remarks



INVOICE SECTION	
Open Hole Test	\$ <u>365⁰⁰</u>
Straddle Test	\$ <u> </u>
Jars	\$ <u>165⁰⁰</u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u>30⁰⁰</u>
Misrun	\$ <u> </u>
Evaluation	\$ <u> </u>
Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Total	\$ <u>560⁰⁰</u>

COMPANY TERMS
 Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By CB Dannelly Western Representative Bob Anthony
 Signature of Customer or his Authorized Representative Operator's Time Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-8-75 Test Ticket No. 25274
 Recorder No. 3660 Capacity 4000 Location 3150 Ft.
 Clock No. 6899 Elevation 2275 AB Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1659</u>	P.S.I.	<u>5812 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>48</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>60</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1038</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>71</u>	P.S.I.		
G Final Closed-in Pressure	<u>980</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1635</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>48</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>71</u>	
P 2	<u>49</u>	<u>3</u>	<u>340</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>565</u>	
P 3	<u>50</u>	<u>6</u>	<u>710</u>	<u>10</u>	<u>64</u>	<u>6</u>	<u>709</u>	
P 4	<u>51</u>	<u>9</u>	<u>804</u>	<u>15</u>	<u>65</u>	<u>9</u>	<u>770</u>	
P 5	<u>52</u>	<u>12</u>	<u>860</u>	<u>20</u>	<u>66</u>	<u>12</u>	<u>808</u>	
P 6	<u>53</u>	<u>15</u>	<u>893</u>	<u>25</u>	<u>67</u>	<u>15</u>	<u>833</u>	
P 7	<u>55</u>	<u>18</u>	<u>921</u>	<u>30</u>	<u>68</u>	<u>18</u>	<u>857</u>	
P 8	<u>56</u>	<u>21</u>	<u>939</u>	<u>35</u>	<u>69</u>	<u>21</u>	<u>875</u>	
P 9	<u>57</u>	<u>24</u>	<u>956</u>	<u>40</u>	<u>69</u>	<u>24</u>	<u>891</u>	
P10	<u>58</u>	<u>27</u>	<u>968</u>	<u>45</u>	<u>70</u>	<u>27</u>	<u>902</u>	
P11	<u>60</u>	<u>30</u>	<u>980</u>	<u>50</u>	<u>70</u>	<u>30</u>	<u>913</u>	
P12	<u>60</u>	<u>33</u>	<u>989</u>	<u>55</u>	<u>71</u>	<u>33</u>	<u>924</u>	
P13		<u>36</u>	<u>999</u>	<u>60</u>		<u>36</u>	<u>932</u>	
P14		<u>39</u>	<u>1007</u>			<u>39</u>	<u>940</u>	
P15		<u>42</u>	<u>1013</u>			<u>42</u>	<u>946</u>	
P16		<u>45</u>	<u>1019</u>			<u>45</u>	<u>952</u>	
P17		<u>48</u>	<u>1025</u>			<u>48</u>	<u>958</u>	
P18		<u>51</u>	<u>1029</u>			<u>51</u>	<u>962</u>	
P19		<u>54</u>	<u>1033</u>			<u>54</u>	<u>968</u>	
P20		<u>57</u>	<u>1037</u>			<u>57</u>	<u>973</u>	
		<u>60</u>	<u>1038</u>			<u>60</u>	<u>977</u>	
						<u>63</u>	<u>980</u>	



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

Company Imperial Oil Company Lease & Well No. McColm B-1
 Elevation 2275 Kelly Bushing Formation Cottonwood Effective Pay - Ft. Ticket No. 25274
 Date 6-8-75 Sec. 15 Twp. 30S Range 21W County Clark State Kansas
 Test Approved by E.B. Donnelly Western Representative Bob Anthony

Formation Test No. 1 O.K. Misrun Interval Tested From 3134' to 3160' Total Depth 3160'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3129 Ft. Size 6 3/4 Bottom Packer Depth 3134 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 26 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3150 Ft. Clock No. 6899 Depth 3155 Ft. Clock No. 6895
 Top Make Kuster Cap. 4000 No. 3660 Inside Outside Bottom Make Kuster Cap. 4000 No. 3659 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 5:12 P M
 Tool Open I.F.P. From 5:15P M. to 6:15P M. - Hr. 60 Min. From (B) 48 P.S.I. To (C) 60 P.S.I.
 Tool Closed I.C.I.P. From 6:15P M. to 7:15P M. - Hr. 60 Min (D) 1038 P.S.I.
 Tool Open F.F.P. From 7:15P M. to 8:15P M. - Hr. 60 Min. From (E) 63 P.S.I. To (F) 71 P.S.I.
 Tool Closed F.C.I.P. From 8:15P M. to 9:15P M. - Hr. 60 Min. (G) 980 P.S.I.
 Initial Hydrostatic Pressure (A) 1659 P.S.I. Final Hydrostatic Pressure (H) 1635 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Fair blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 100' drilling mud.

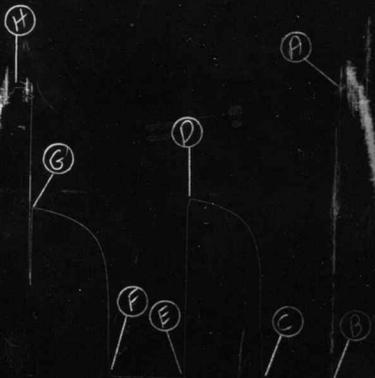
Reversed Out Yes No Mud Type Starch Viscosity 48 Weight 10.0 Water Loss - cc. Chlorides 138,000 PPM
 EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 3 1/2 In. Make WTC Ser. No. 405
 Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Rig # #6 Length Drill Pipe? 3127 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 5 1/2 FH In.
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.
 Tool Joint Size - In. Length D.S.T. Tool 54 Ft.

Remarks:

TAT# 25274

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P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25275

Formation MISS. Elevation 2275 KB Eff. Pay Ft.

District LIBERAL

Date 6-17-75

Customer Order No.

COMPANY NAME IMPERIAL OIL COMPANY
ADDRESS

LEASE AND WELL NO. Mc COLM # B-1 COUNTY CLARK STATE Kansas Sec. 15 Twp. 30S Rge. 21W

Mail Inv. To IMPERIAL OIL CO. Co. Name Address No. Copies Requested 5

Mail Charts To IMPERIAL OIL CO. Co. Name Address No. Copies Requested 5

Formation Test No. 2 O.K. Misrun Interval Tested From 5121 to 5164 Total Depth 5164

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

Top Packer Depth 5116 Ft. Size 6 3/4 Bottom Packer Depth 5121 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 00 Tool Joint Size 4 1/2 FH Anchor Length 43 Ft. Size 6 3/4 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5157 Ft. Clock No. 6899 Depth 5160 Ft. Clock No. 6895

Top Make KUSTER Cap. 4000 No. 3660 Inside Outside Bottom Make KUSTER Cap. 4000 No. 3659 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 9:03 AM

Tool Open I.F.P. From 9:05 AM to 10:05 AM 1 Hr. Min. From (B) 96 P.S.I. To (C) 5285 P.S.I.

Tool Closed I.C.I.P. From 10:05 AM to 12:05 PM 2 Hr. Min. (D) 1706 P.S.I. To (E) 1716 P.S.I.

Tool Open F.F.P. From 12:05 PM to 3:05 PM 3 Hr. Min. From (E) 565 P.S.I. To (F) 1002 P.S.I.

Tool Closed F.C.I.P. From 3:05 PM to 5:05 PM 2 Hr. Min. (G) 1655 P.S.I. To (H) 1681 P.S.I.

Initial Hydrostatic Pressure (A) 2840 P.S.I. Final Hydrostatic Pressure (H) 2623 P.S.I. Maximum Temp. 127 °

INFORMATION

BLOW VERY STRONG G.T.S. IN 70 min ON INT START IN

Did Well Flow Yes No Recovery Total Ft. 2100' (Gassy Muddy Water) 120 # mud

Reversed Out Yes No Mud Type STARCH Viscosity 52 Weight 10. Water Loss 7.6 cc. Chlorides 74,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint XXXX Jars: Size 3 1/2 In. Make WTC Ser. No. 407

Dual Packers Did Packers Hold? yes Did Tool Plug? no Where?

DRILLING CONTRACTOR RED TIGER RIG Length Drill Pipe 4794 ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4 1/2 FH

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars ft. I.D. Drill Collars In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 70 ft.

Remarks NO sample requested

RECEIVED
JUN 21 1975

INVOICE SECTION

Open Hole Test	\$ 435.00
Straddle Test	\$
Jars	\$ 165.00
Selective Zone	\$
Safety Joint	\$ 30.00
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$ 20.00
	\$ 650.00
Total	\$ 650.00

COMPANY TERMS

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All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By E. B. D'Amilly
Signature of Customer or his

Western Representative Bob Anthony

WESTERN TESTING CO., INC.
Pressure Data

Date 6-17-75 Test Ticket No. 25225
 Recorder No. 3660 Capacity 4000 Location 5157 Ft.
 Clock No. 6899 Elevation 2275 MB Well Temperature 127 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2819</u> P.S.I.		<u>9:03</u> A M	
B First Initial Flow Pressure	<u>93</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>537</u> P.S.I.	Initial Closed-in Pressure	<u>120</u> Mins.	<u>120</u> Mins.
D Initial Closed-in Pressure	<u>1716</u> P.S.I.	Second Flow Pressure	<u>180</u> Mins.	<u>185</u> Mins.
E Second Initial Flow Pressure	<u>605</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>1016</u> P.S.I.			
G Final Closed-in Pressure	<u>1681</u> P.S.I.			
H Final Hydrostatic Mud	<u>2775</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 10 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 40 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 37 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 40 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>93</u>	<u>0</u>	<u>537</u>	<u>0</u>	<u>605</u>	<u>0</u>	<u>1016</u>
P 2	<u>170</u>	<u>3</u>	<u>1400</u>	<u>5</u>	<u>601</u>	<u>3</u>	<u>1544</u>
P 3	<u>255</u>	<u>6</u>	<u>1569</u>	<u>10</u>	<u>613</u>	<u>6</u>	<u>1577</u>
P 4	<u>304</u>	<u>9</u>	<u>1611</u>	<u>15</u>	<u>617</u>	<u>9</u>	<u>1595</u>
P 5	<u>372</u>	<u>12</u>	<u>1633</u>	<u>20</u>	<u>623</u>	<u>12</u>	<u>1609</u>
P 6	<u>389</u>	<u>15</u>	<u>1649</u>	<u>25</u>	<u>643</u>	<u>15</u>	<u>1619</u>
P 7	<u>429</u>	<u>18</u>	<u>1659</u>	<u>30</u>	<u>659</u>	<u>18</u>	<u>1625</u>
P 8	<u>476</u>	<u>21</u>	<u>1667</u>	<u>35</u>	<u>677</u>	<u>21</u>	<u>1631</u>
P 9	<u>526</u>	<u>24</u>	<u>1673</u>	<u>40</u>	<u>690</u>	<u>24</u>	<u>1637</u>
P10	<u>530</u>	<u>27</u>	<u>1677</u>	<u>45</u>	<u>700</u>	<u>27</u>	<u>1641</u>
P11	<u>537</u>	<u>30</u>	<u>1683</u>	<u>50</u>	<u>710</u>	<u>30</u>	<u>1645</u>
P12		<u>33</u>	<u>1688</u>	<u>55</u>	<u>720</u>	<u>33</u>	<u>1647</u>
P13		<u>36</u>	<u>1689</u>	<u>60</u>	<u>734</u>	<u>36</u>	<u>1649</u>
P14		<u>39</u>	<u>1691</u>	<u>65</u>	<u>748</u>	<u>39</u>	<u>1651</u>
P15		<u>42</u>	<u>1696</u>	<u>70</u>	<u>762</u>	<u>42</u>	<u>1657</u>
P16		<u>45</u>	<u>1698</u>	<u>75</u>	<u>778</u>	<u>45</u>	<u>1659</u>
P17		<u>48</u>	<u>1700</u>	<u>80</u>	<u>780</u>	<u>48</u>	<u>1661</u>
P18		<u>51</u>	<u>1701</u>	<u>85</u>	<u>804</u>	<u>51</u>	<u>1662</u>
P19		<u>54</u>	<u>1702</u>	<u>90</u>	<u>812</u>	<u>54</u>	<u>1663</u>
P20		<u>57</u>	<u>1702</u>	<u>95</u>	<u>827</u>	<u>57</u>	<u>1664</u>
		<u>60</u>	<u>1702</u>	<u>100</u>	<u>839</u>	<u>60</u>	<u>1665</u>

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

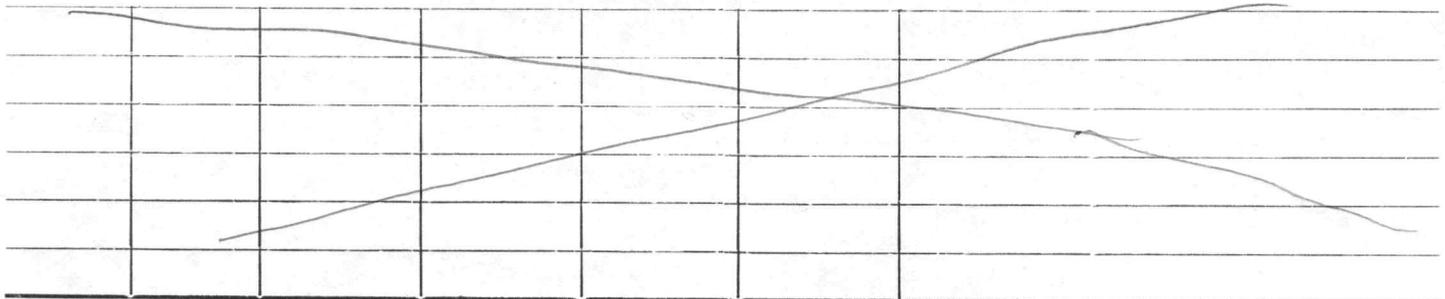
GAS FLOW REPORT

Nº 103

Date 6-17-75 Ticket 25275 Company IMPERIAL Oil Company
Well Name and No. McCORM B-2 Dst No. 2 Interval Tested 5121-5164
County Chark State Kansas Sec. 15 Twp. 30^E Rg. 21^W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW



SECOND FLOW

Time	Time Gauge	Merla Orifice	ORIFICE	P.S.I. on Side Static	P.S.I. on U-Tube	Flow Rate	Description
12:05		Test open	G.T.S.				
12:15	10	22" H ²⁰	1/4"	—	—	7,880	C.F.P.D.
12:30	15	80" H ³⁰	1/4"	—	—	15,000	C.F.P.D.
12:45	15	22" H ³⁰	1/2"	—	—	29,400	C.F.P.D.
1:00	15	80" H ³⁰	1/2"	—	—	19,900	C.F.P.D.
1:15	15	68" H ³⁰	1/4"	—	—	13,900	C.F.P.D.
1:30	15	50" H ³⁰	1/4"	—	—	11,900	C.F.P.D.
2:00	30	42" H ³⁰	1/2"	—	—	40,700	C.F.P.D.
2:30	30	35" H ³⁰	1/2"	—	—	36,500	C.F.P.D.
2:45	15	48" H ³⁰	1/2"	—	—	43,400	C.F.P.D.
3:00	15	56" H ³⁰	1/2"	—	—	46,900	C.F.P.D.

Serial No. [REDACTED] Date Bottle Filled [REDACTED] Date to be Invoiced [REDACTED]

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME IMPERIAL Oil Company

Authorized by _____

BA.



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

Company Imperial Oil Company Lease & Well No. McColm B-1
Elevation 2275 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 25275
Date 6-17-75 Sec. 15 Twp. 30S Range 21W County Clark State Kansas
Test Approved by Ed Donnelly Western Representative Bob Anthony

Formation Test No. 2 O.K. Misrun Interval Tested From 5121' to 5164' Total Depth 5164'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 5116 Ft. Size 6 3/4 Bottom Packer Depth 5121 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 43 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5157 Ft. Clock No. 6899 Depth 5160 Ft. Clock No. 6895
Top Make Kuster Cap. 4000 No. 3660 Inside Outside Bottom Make Kuster Cap. 4000 No. 3659 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 9:05 9:03A M
Tool Open I.F.P. From 9:05 A M. to 10:05A M. - Hr. 180 Min. From (B) 93 P.S.I. To (C) 537 P.S.I.
Tool Closed I.C.I.P. From 10:05A M. to 12:05P M. - Hr. 120 Min (D) 1716 P.S.I.
Tool Open F.F.P. From 12:05P M. to 3:05P M. - Hr. 180 Min. From (E) 605 P.S.I. To (F) 1016 P.S.I.
Tool Closed F.C.I.P. From 3:05P M. to 5:05P M. - Hr. 120 Min. (G) 1681 P.S.I.
Initial Hydrostatic Pressure (A) 2819 P.S.I. Final Hydrostatic Pressure (H) 2775 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Very strong blow throughout test. Gas to surface in 70 minutes on initial shut-in.

Did Well Flow Gas Yes No Recovery Total Ft. 2100' (Gassy muddy water), 120' = mud.

Reversed Out Yes No Mud Type Starch Viscosity 52 Weight 10 Water Loss 7.6 cc. Chlorides 74,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 3 1/2 IF In. Make WTC Ser. No. 407

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Drilling Co. Length Drill Pipe? 4794 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 70 Ft.

Remarks: NO sample requested. See attached sheet for gas measurements.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-17-75 Test Ticket No. 25275
 Recorder No. 3660 Capacity 4000 Location 5157 Ft.
 Clock No. 6899 Elevation 2275 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2819	P.S.I.	9:03 A	
B First Initial Flow Pressure	93	P.S.I.	60	50
C First Final Flow Pressure	537	P.S.I.	120	120
D Initial Closed-in Pressure	1716	P.S.I.	180	185
E Second Initial Flow Pressure	605	P.S.I.	120	120
F Second Final Flow Pressure	1016	P.S.I.		
G Final Closed-in Pressure	1681	P.S.I.		
H Final Hydrostatic Mud	2775	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown:	10 Inc.	Breakdown:	40 Inc.	Breakdown:	37 Inc.	Breakdown:	40 Inc.
of	5 mins. and a	of	3 mins. and a	of	5 mins. and a	of	3 mins. and a
final inc. of	0 Min.	final inc. of	0 Min.	final inc. of	0 Min.	final inc. of	0 Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	93	3	1400	5	601	3	1544
P 2	170	6	1569	10	613	6	1577
P 3	255	9	1611	15	617	9	1595
P 4	304	12	1633	20	623	12	1609
P 5	372	15	1649	25	643	15	1619
P 6	389	18	1659	30	659	18	1625
P 7	429	21	1667	35	677	21	1631
P 8	476	24	1673	40	690	24	1637
P 9	526	28	1677	45	700	27	1641
P 10	530	30	1683	50	710	30	1645
P 11	537	33	1688	55	720	33	1647
P 12		36	1689	60	734	36	1649
P 13		39	1691	65	748	39	1651
P 14		42	1696	70	762	42	1657
P 15		45	1698	75	778	45	1659
P 16		48	1700	80	780	48	1661
P 17		51	1701	85	804	51	1662
P 18		54	1702	90	812	54	1663
P 19		57	1702	95	827	57	1664
P 20		60	1702	100	839	60	1665
		63	1703	105	853	63	1667
		66	1704	110	859	66	1669
		69	1705	115	869	69	1671
		71	1706	120	879	72	1672
		74	1707	125	889	75	1672
		78	1708	130	902	78	1673
		81	1709	135	915	81	1673
		84	1710	140	923	84	1674
		87	1711	145	935	87	1674

Continued.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-17-75

Test Ticket No. 25275

Recorder No. 3660

Capacity 4000

Location 5157 Ft.

Clock No. 6899

Elevation 2275 Kelly Bushing

Well Temperature 127 °F

Table with 4 columns: Point, Pressure, Open Tool, Time Given, Time Computed. Rows A-H for various pressure points like Initial Hydrostatic Mud, First Initial Flow Pressure, etc.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 10 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 40 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 37 Inc.

of 5 mins. and a

final inc. of 0 Min.

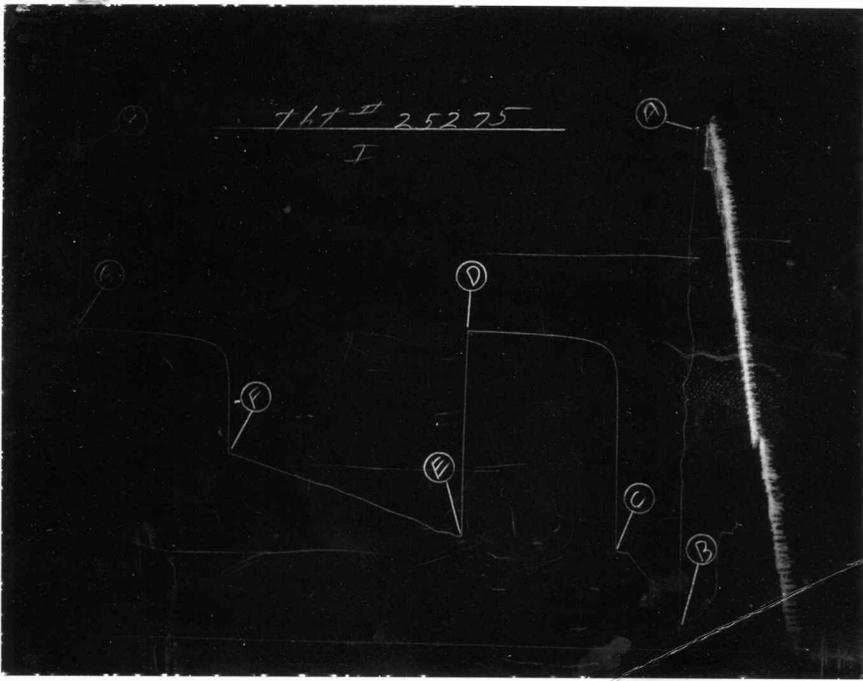
Final Shut-In

Breakdown: 40 Inc.

of 3 mins. and a

final inc. of 0 Min.

Main data table with 8 columns: Point Mins., Press., Point Minutes, Press., Point Minutes, Press., Point Minutes, Press. Rows P1-P20.





P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 23780

Formation Miss Elevation 2275 KB Eff. Pay Ft.

District LIBERAL Date 6-18-75 Customer Order No.

COMPANY NAME Imperial Oil Company

ADDRESS 1

LEASE AND WELL NO. McCorm #B-1 COUNTY CLARK STATE KANSAS Sec. 15 Twp. 30S Rge. 21W

Mail Inv. To Imperial oil co. No. Copies Requested 5
Co. Name Address

Mail Charts To Imperial oil co. No. Copies Requested 5
Address

Formation Test No. 3 O.K. Misrun Interval Tested From 5175 to 5205 Total Depth 5205

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

Top Packer Depth 5170 Ft. Size 6 3/4 Bottom Packer Depth 5175 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 6 3/4 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5197 Ft. Clock No. 6899 Depth 5200 Ft. Clock No. 6895

Top Make Kuster Cap. 4000 No. 3660 Inside Outside Bottom Make Kuster Cap. 4000 No. 3659 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Outside Inside Depth Ft. Rec. No. Clock No. Outside Inside

Time Set Packer 1:43 P.M.

Tool Open I.F.P. From 1:45 P.M. to 2:45 P.M. 1 Hr. + Min. From (B) 41 43 P.S.I. To (C) 45 48 P.S.I.

Tool Closed I.C.I.P. From 2:45 P.M. to 3:45 P.M. 1 Hr. Min. (D) 102 123 P.S.I.

Tool Open F.F.P. From 3:45 P.M. to 4:45 P.M. 1 Hr. Min. From (E) 61 55 P.S.I. To (F) 61 57 P.S.I.

Tool Closed F.C.I.P. From 4:45 P.M. to 6:45 P.M. 2 Hr. Min. (G) 173 186 P.S.I.

Initial Hydrostatic Pressure (A) 2660 P.S.I. Final Hydrostatic Pressure (H) 2670 P.S.I. Maximum Temp. 129°

INFORMATION

BLOW Fair To Weak

Did Well Flow Yes No Recovery Total Ft. 70' S.O.C.M. Slight show of oil in Tool

Reversed Out Yes No Mud Type SARCA Viscosity 52 Weight 10 Water Loss 7.6 cc. Chlorides 76,000

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint XXX Jars: Size 3 1/2 IP In. Make WTC Ser. No. 407

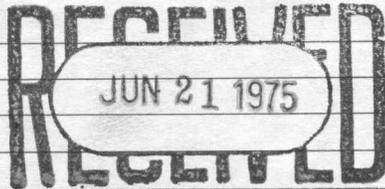
Dual Packers Did Packers Hold? yes Did Tool Plug? NO Where?

DRILLING CONTRACTOR RED TIGER Rig #6 Length Drill Pipe 4900 ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 3.7 ft. I.D. Drill Collars In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 57 ft.

Remarks



INVOICE SECTION

Open Hole Test	\$ 435.00
Straddle Test	\$
Jars	\$ 165.00
Selective Zone	\$
Safety Joint	\$ 30.00
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 630.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By E.B. Donnelly Western Representative Bob Anthony

Signature of Customer or his Authorized Representative

Operator's Time Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-18-75 Test Ticket No. 23780
 Recorder No. 3660 Capacity 4000 Location 5197 Ft.
 Clock No. 6899 Elevation 2275 AB Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2759</u> P.S.I.	Open Tool	<u>1:43 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>48</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>123</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>55</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>123</u> Mins.
F Second Final Flow Pressure	<u>57</u> P.S.I.			
G Final Closed-in Pressure	<u>186</u> P.S.I.			
H Final Hydrostatic Mud	<u>2709</u> P.S.I.			

2744
2694

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown:	<u>12</u> Inc.	Breakdown:	<u>19</u> Inc.	Breakdown:	<u>12</u> Inc.	Breakdown:	<u>41</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>0</u> Min.	final inc. of	<u>0</u> Min.	final inc. of	<u>0</u> Min.	final inc. of	<u>0</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>48</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>55</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>55</u>	<u>5</u>	<u>61</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>59</u>	<u>10</u>	<u>55</u>	<u>10</u>	<u>65</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>55</u>	<u>15</u>	<u>67</u>
P 5 <u>20</u>	<u>46</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>55</u>	<u>20</u>	<u>71</u>
P 6 <u>25</u>	<u>46</u>	<u>15</u>	<u>71</u>	<u>25</u>	<u>55</u>	<u>25</u>	<u>73</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>75</u>	<u>30</u>	<u>56</u>	<u>30</u>	<u>77</u>
P 8 <u>35</u>	<u>47</u>	<u>21</u>	<u>79</u>	<u>35</u>	<u>56</u>	<u>35</u>	<u>79</u>
P 9 <u>40</u>	<u>47</u>	<u>24</u>	<u>83</u>	<u>40</u>	<u>55</u>	<u>40</u>	<u>81</u>
P10 <u>45</u>	<u>47</u>	<u>27</u>	<u>87</u>	<u>45</u>	<u>56</u>	<u>45</u>	<u>85</u>
P11 <u>50</u>	<u>47</u>	<u>30</u>	<u>91</u>	<u>50</u>	<u>57</u>	<u>50</u>	<u>87</u>
P12 <u>55</u>	<u>48</u>	<u>33</u>	<u>93</u>	<u>55</u>	<u>57</u>	<u>55</u>	<u>91</u>
P13 <u>60</u>	<u>48</u>	<u>36</u>	<u>97</u>	<u>60</u>	<u>57</u>	<u>60</u>	<u>93</u>
P14		<u>39</u>	<u>101</u>			<u>39</u>	<u>97</u>
P15		<u>42</u>	<u>105</u>			<u>42</u>	<u>101</u>
P16		<u>45</u>	<u>109</u>			<u>45</u>	<u>102</u>
P17		<u>48</u>	<u>111</u>			<u>48</u>	<u>105</u>
P18		<u>51</u>	<u>117</u>			<u>51</u>	<u>107</u>
P19		<u>54</u>	<u>119</u>			<u>54</u>	<u>111</u>
P20		<u>57</u>	<u>123</u>			<u>57</u>	<u>113</u>
		<u>60</u>				<u>60</u>	<u>117</u>

Over



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

Company **Imperial Oil Company** Lease & Well No. **McColm B-1**
 Elevation **2275 Kelly Bush.** Formation **Mississippi** Effective Pay **-** Ft. Ticket No. **23780**
 Date **6-18-75** Sec. **15** Twp. **30S** Range **21W** County **Clark** State **Kansas**
 Test Approved by **Ed Donnelly** Western Representative **Bob Anthony**
 Formation Test No. **3** O.K. Misrun Interval Tested From **5175'** to **5205'** Total Depth **5205'**
 Size Main Hole **7 7/8** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth **5170** Ft. Size **6 3/4** Bottom Packer Depth **5175** Ft. Size **6 3/4**
 Straddle Conv. B.T. Damaged Yes No Packer Depth **-** Ft. Size **-**
 Tool Size **5 1/2 OD** Tool Joint Size **4 1/2 FH** Anchor Length **30** Ft. Size **6 3/4** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.
 RECORDERS Depth **5197** Ft. Clock No. **6899** Depth **5200** Ft. Clock No. **6895**
 Top Make **Kuster** Cap. **4000** No. **3660** Inside Outside Bottom Make **Kuster** Cap. **4000** No. **3659** Inside Outside
 Below Straddle: Depth **-** Rec. No. **-** Clock No. **-** Inside Outside Depth **-** Ft. Rec. No. **-** Clock No. **-** Inside Outside
 Time Set Packer **1:43 P** M
 Tool Open I.F.P. From **1:45P** M. to **2:45P** M. - Hr. **60** Min. From (B) **43** P.S.I. To (C) **48** P.S.I.
 Tool Closed I.C.I.P. From **2:45P** M. to **3:45P** M. - Hr. **60** Min (D) **123** P.S.I.
 Tool Open F.F.P. From **3:45P** M. to **4:45P** M. - Hr. **60** Min. From (E) **55** P.S.I. To (F) **57** P.S.I.
 Tool Closed F.C.I.P. From **4:45P** M. to **6:45P** M. **1** Hr. **60** Min. (G) **186** P.S.I.
 Initial Hydrostatic Pressure (A) **2759** P.S.I. Final Hydrostatic Pressure (H) **2709** P.S.I. Maximum Temp. **129**

INFORMATION

BLOW **Fair to weak blow throughout test**

Did Well Flow Yes No Recovery Total Ft. **70' slightly oil cut mud, with slight show of oil in tool.**

Reversed Out Yes No Mud Type **Starch** Viscosity **52** Weight **10** Water Loss **7.6** cc. Chlorides **76,000 PPM**

EXTRA EQUIPMENT: Type Circ. Sub. **pin** Safety Joint **Yes** Jars: Size **3 1/2 IF** In. Make **WTC** Ser. No. **407**

Dual Packer **Yes** Did Packers Hold? **Yes** Did Tool Plug? **No** Where? **-**

DRILLING CONTRACTOR **Red Tiger Drilling Co.** Length Drill Pipe? **4900** Ft. I.D. Drill Pipe **3.7** In. Tool Joint Size **4 1/2 FH** In.
 Length Weight Pipe **-** Ft. I.D. Weight Pipe **-** In. Tool Joint Size **-** In. Length Drill Collars **-** Ft. I.D. Drill Collars **-** In.
 Tool Joint Size **4 1/2 FH** In. Length D.S.T. Tool **57** Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 6-18-75 Test Ticket No. 23780
 Recorder No. 3660 Capacity 4000 Location 5197 Ft.
 Clock No. 6899 Elevation 2275 Kelly Bushing Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2759	P.S.I.	1:43 P	M
B First Initial Flow Pressure	43	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	48	P.S.I.	60	Mins. 57 Mins.
D Initial Closed-in Pressure	123	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	55	P.S.I.	120	Mins. 123 Mins.
F Second Final Flow Pressure	57	P.S.I.		
G Final Closed-in Pressure	186	P.S.I.		
H Final Hydrostatic Mud	2709	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>41</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</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>48</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>55</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>55</u>	<u>3</u>	<u>61</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>59</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>65</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>55</u>	<u>9</u>	<u>67</u>
P 5 <u>20</u>	<u>46</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>55</u>	<u>12</u>	<u>71</u>
P 6 <u>25</u>	<u>46</u>	<u>15</u>	<u>71</u>	<u>25</u>	<u>55</u>	<u>15</u>	<u>73</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>75</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>77</u>
P 8 <u>35</u>	<u>47</u>	<u>21</u>	<u>79</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>79</u>
P 9 <u>40</u>	<u>47</u>	<u>24</u>	<u>83</u>	<u>40</u>	<u>56</u>	<u>24</u>	<u>81</u>
P10 <u>45</u>	<u>47</u>	<u>27</u>	<u>87</u>	<u>45</u>	<u>56</u>	<u>27</u>	<u>85</u>
P11 <u>50</u>	<u>47</u>	<u>30</u>	<u>91</u>	<u>50</u>	<u>57</u>	<u>30</u>	<u>87</u>
P12 <u>55</u>	<u>48</u>	<u>33</u>	<u>93</u>	<u>55</u>	<u>57</u>	<u>33</u>	<u>91</u>
P13 <u>60</u>	<u>48</u>	<u>36</u>	<u>97</u>	<u>60</u>	<u>57</u>	<u>36</u>	<u>93</u>
P14		<u>39</u>	<u>101</u>			<u>39</u>	<u>97</u>
P15		<u>42</u>	<u>105</u>			<u>42</u>	<u>101</u>
P16		<u>45</u>	<u>109</u>			<u>45</u>	<u>102</u>
P17		<u>48</u>	<u>111</u>			<u>48</u>	<u>105</u>
P18		<u>51</u>	<u>117</u>			<u>51</u>	<u>107</u>
P19		<u>54</u>	<u>119</u>			<u>54</u>	<u>111</u>
P20		<u>57</u>	<u>123</u>			<u>57</u>	<u>113</u>
		<u>60</u>				<u>60</u>	<u>117</u>
						<u>63</u>	<u>121</u>
						<u>66</u>	<u>123</u>
						<u>69</u>	<u>126</u>
						<u>72</u>	<u>130</u>
						<u>75</u>	<u>132</u>
						<u>78</u>	<u>136</u>
						<u>81</u>	<u>140</u>
						<u>84</u>	<u>142</u>
						<u>87</u>	<u>146</u>
						<u>90</u>	<u>148</u>
						<u>93</u>	<u>150</u>

WESTERN TESTING CO., INC.

Pressure Data

Continued.

Date 6-18-75

Test Ticket No. 23780

Recorder No. 3660 Capacity 4000 Location 5197 Ft.

Clock No. 6899 Elevation 2275 Kelly Bushing Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud _____ P.S.I.	Open Tool _____	_____ M	_____
B	First Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____	_____ Mins.	_____ Mins.
C	First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____	_____ Mins.	_____ Mins.
D	Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____	_____ Mins.	_____ Mins.
E	Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____	_____ Mins.	_____ Mins.
F	Second Final Flow Pressure _____ P.S.I.			
G	Final Closed-in Pressure _____ P.S.I.			
H	Final Hydrostatic Mud _____ P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
	Press.	Point Minutes						
P 1						<u>96</u>	<u>154</u>	
P 2						<u>99</u>	<u>158</u>	
P 3						<u>102</u>	<u>160</u>	
P 4						<u>105</u>	<u>166</u>	
P 5						<u>108</u>	<u>168</u>	
P 6						<u>111</u>	<u>172</u>	
P 7						<u>114</u>	<u>176</u>	
P 8						<u>117</u>	<u>180</u>	
P 9						<u>120</u>	<u>184</u>	
P10						<u>123</u>	<u>186</u>	
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

