



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21494

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

Formation An. uckele Elevation 1107K @ washing Eff. Pay - Ft.

District Augusta Date 7-13-76 Customer Order No.

COMPANY NAME K. R. M. Petroleum Corp.

ADDRESS 820 81717th St Denver Colo. Suite 820 80202

LEASE AND WELL NO. Spinhammer #1 COUNTY Elh STATE KS Sec 25 Twp 31s Rge 10E

Mail Inv. To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 O.K. X Misrun - Interval Tested From 2270' to 2280' Total Depth 2280'

Size Main Hole 6 1/4 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 2265 Ft. Size 5 1/2 Bottom Packer Depth 2270 Ft. Size 5 1/2

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

Tool Size 4 1/2 00 Tool Joint Size 3 1/2 IF Anchor Length 10 Ft. Size 4 1/2 00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2273 Ft. Clock No. 9103 Depth 2276 Ft. Clock No. 6859

Top Make Kuster Cap. 3150 No. 1564 Inside Bottom Make Kuster Cap. 4200 No. 1558 Inside

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

Time Set Packer 7:28 AM

Tool Open I.F.P. From 7:30 M. to 8:00 M. - Hr. 30 Min. From (B) 2328 P.S.I. To (C) 3031 P.S.I.

Tool Closed I.C.I.P. From 8:00 M. to 8:30 M. - Hr. 30 Min. (D) 815 820 P.S.I.

Tool Open F.F.P. From 8:30 M. to 9:30 M. - Hr. 60 Min. From (E) 4052 P.S.I. To (F) 4542 P.S.I.

Tool Closed F.C.I.P. From 9:30 M. to 10:30 AM. - Hr. 60 Min. (G) 815 825 P.S.I.

Initial Hydrostatic Pressure (A) 1125 P.S.I. Final Hydrostatic Pressure (H) 1110 1098 P.S.I. Maximum Temp. 103

INFORMATION

BLOW 2heah to very weak 30 minutes - very weak intermittent 60 minutes

Did Well Flow - Yes X No Recovery Total Ft. 40' Free oil 15' Oil cut mud

Reversed Out - Yes X No Mud Type Chem Viscosity 60 Weight 9.2 Water Loss 10.2 cc. Chlorides 1200 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packers. Yes. Did Packers Hold? yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Edco Drilling Co Length Drill Pipe 2060 ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 190 ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 30 ft.

Remarks

INVOICE SECTION

Table with 2 columns: Test Name, Amount. Includes Open Hole Test (\$355.00), Straddle Test, Jars, Selective Zone, Safety Joint, Misrun, Evaluation, Packer, Circ. Sub., Total (\$355.00).

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 [Signature] Western Representative Norman Allen Operator's Time 7.10 Hrs.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

7-13-76

Test Ticket No. 21494

Order No. 1564 Capacity 3150 Location 2273 Ft.

Block No. 9103 Elevation 1107 AB Well Temperature 103 °F

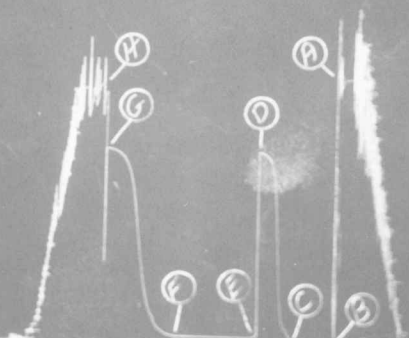
Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>1138</u> P.S.I.	Open Tool	<u>7:28</u> AM	
First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Initial Closed-in Pressure	<u>820</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Second Initial Flow Pressure	<u>52</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
Second Final Flow Pressure	<u>42</u> P.S.I.			
Final Closed-in Pressure	<u>825</u> P.S.I.			
Final Hydrostatic Mud	<u>1098</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point	First Flow Pressure Breakdown	Initial Shut-In Breakdown	Second Flow Pressure Breakdown	Final Shut-In Breakdown
0	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
0	Press. <u>28</u>	Point Minutes <u>0</u> Press. <u>31</u>	Point Minutes <u>0</u> Press. <u>52</u>	Point Minutes <u>0</u> Press. <u>42</u>
5	Press. <u>28</u>	Point Minutes <u>3</u> Press. <u>36</u>	Point Minutes <u>5</u> Press. <u>44</u>	Point Minutes <u>3</u> Press. <u>47</u>
10	Press. <u>28</u>	Point Minutes <u>6</u> Press. <u>49</u>	Point Minutes <u>10</u> Press. <u>42</u>	Point Minutes <u>6</u> Press. <u>50</u>
15	Press. <u>29</u>	Point Minutes <u>9</u> Press. <u>81</u>	Point Minutes <u>15</u> Press. <u>42</u>	Point Minutes <u>9</u> Press. <u>56</u>
20	Press. <u>29</u>	Point Minutes <u>12</u> Press. <u>118</u>	Point Minutes <u>20</u> Press. <u>↓</u>	Point Minutes <u>12</u> Press. <u>69</u>
25	Press. <u>30</u>	Point Minutes <u>15</u> Press. <u>314</u>	Point Minutes <u>25</u> Press. <u>↓</u>	Point Minutes <u>15</u> Press. <u>87</u>
30	Press. <u>31</u>	Point Minutes <u>18</u> Press. <u>625</u>	Point Minutes <u>30</u> Press. <u>↓</u>	Point Minutes <u>18</u> Press. <u>121</u>
35		Point Minutes <u>21</u> Press. <u>768</u>	Point Minutes <u>35</u> Press. <u>↓</u>	Point Minutes <u>21</u> Press. <u>154</u>
40		Point Minutes <u>24</u> Press. <u>801</u>	Point Minutes <u>40</u> Press. <u>↓</u>	Point Minutes <u>24</u> Press. <u>220</u>
45		Point Minutes <u>27</u> Press. <u>813</u>	Point Minutes <u>45</u> Press. <u>↓</u>	Point Minutes <u>27</u> Press. <u>314</u>
50		Point Minutes <u>30</u> Press. <u>820</u>	Point Minutes <u>50</u> Press. <u>↓</u>	Point Minutes <u>30</u> Press. <u>437</u>
55		Point Minutes <u>33</u> Press. <u>↓</u>	Point Minutes <u>55</u> Press. <u>↓</u>	Point Minutes <u>33</u> Press. <u>574</u>
60		Point Minutes <u>36</u> Press. <u>↓</u>	Point Minutes <u>60</u> Press. <u>42</u>	Point Minutes <u>36</u> Press. <u>692</u>
		Point Minutes <u>39</u> Press. <u>↓</u>	Point Minutes <u>65</u> Press. <u>↓</u>	Point Minutes <u>39</u> Press. <u>754</u>
		Point Minutes <u>42</u> Press. <u>↓</u>	Point Minutes <u>70</u> Press. <u>↓</u>	Point Minutes <u>42</u> Press. <u>787</u>
		Point Minutes <u>45</u> Press. <u>↓</u>	Point Minutes <u>75</u> Press. <u>↓</u>	Point Minutes <u>45</u> Press. <u>804</u>
		Point Minutes <u>48</u> Press. <u>↓</u>	Point Minutes <u>80</u> Press. <u>↓</u>	Point Minutes <u>48</u> Press. <u>815</u>
		Point Minutes <u>51</u> Press. <u>↓</u>	Point Minutes <u>85</u> Press. <u>↓</u>	Point Minutes <u>51</u> Press. <u>821</u>
		Point Minutes <u>54</u> Press. <u>↓</u>	Point Minutes <u>90</u> Press. <u>↓</u>	Point Minutes <u>54</u> Press. <u>825</u>
		Point Minutes <u>57</u> Press. <u>↓</u>		Point Minutes <u>57</u> Press. <u>825</u>
		Point Minutes <u>60</u> Press. <u>↓</u>		Point Minutes <u>60</u> Press. <u>↓</u>

TAT # 21494

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1564



INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company K.R.M. Petroleum Corp. Lease & Well No. Spinharmer #1  
Elevation 1107 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 21494  
Date 7-13-76 Sec. 25 Twp. 31S Range 10E County Elk State Kansas  
Test Approved by J. Copeland Landes Western Representative Norman Allen

Formation Test No. 1 O.K.  Misrun  Interval Tested From 2270' to 2280' Total Depth 2280'  
Size Main Hole 6 1/4 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
Top Packer Depth 2265 Ft. Size 5 1/2 Bottom Packer Depth 2270 Ft. Size 5 1/2  
Straddle  Conv.  B.T.  Damaged  Yes  No Packer Depth - Ft. Size -  
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 10 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2273 Ft. Clock No. 9103 Depth 2276 Ft. Clock No. 6859  
Top Make Kuster Cap. 3150 No. 1564 Inside  Outside  Bottom Make Kuster Cap. 4200 No. 1558 Inside  Outside   
Below Straddle: Depth - Rec. No. - Clock No. - Inside  Outside  Depth - Ft. Rec. No. - Clock No. - Inside  Outside

Time Set Packer 7:28 A M  
Tool Open I.F.P. From 7:30 A.M. to 8:00 A.M. - Hr. 30 Min. From (B) 28 P.S.I. To (C) 31 P.S.I.  
Tool Closed I.C.I.P. From 8:00 M. to 8:30 A.M. - Hr. 30 Min (D) 820 P.S.I.  
Tool Open F.F.P. From 8:30 A.M. to 9:30 A.M. 1 Hr. - Min. From (E) 52 P.S.I. To (F) 42 P.S.I.  
Tool Closed F.C.I.P. From 9:30 M. to 10:30 M. 1 Hr. - Min. (G) 825 P.S.I.  
Initial Hydrostatic Pressure (A) 1138 P.S.I. Final Hydrostatic Pressure (H) 1098 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Weak to very weak blow in 30 minutes. Very weak intermittent, 60 minutes.

Did Well Flow - Yes  No  Recovery Total Ft. 40' Free oil, 15' oil cut mud

Reversed Out - Yes  No  Mud Type chem Viscosity 60 Weight 9.2 Water Loss 10.2 cc. Chlorides 1200 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR Edco Drlga. Co. Length Drill Pipe? 2060 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 190 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 30 Ft.

Remarks:

# WESTERN TESTING CO., INC.

## Pressure Data

Date 7-13-76

Test Ticket No. 21494

Recorder No. 1564 Capacity 3150 Location 2273 Ft.

Clock No. 9103 Elevation 1107 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1138</u> P.S.I.	Open Tool	<u>7:28</u> A.M.	
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>820</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>52</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>42</u> P.S.I.			
G Final Closed-in Pressure	<u>825</u> P.S.I.			
H Final Hydrostatic Mud	<u>1098</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: 10 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

**Second Flow Pressure**  
Breakdown: 12 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 19 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>28</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>42</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>36</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>47</u>
P 3 <u>10</u>	<u>28</u>	<u>6</u>	<u>49</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>50</u>
P 4 <u>15</u>	<u>29</u>	<u>9</u>	<u>81</u>	<u>15</u>	<u>42</u>	<u>9</u>	<u>56</u>
P 5 <u>20</u>	<u>29</u>	<u>12</u>	<u>118</u>	<u>20</u>	<u>42</u>	<u>12</u>	<u>69</u>
P 6 <u>25</u>	<u>30</u>	<u>15</u>	<u>314</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>87</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>626</u>	<u>30</u>	<u>42</u>	<u>18</u>	<u>121</u>
P 8		<u>21</u>	<u>768</u>	<u>35</u>	<u>42</u>	<u>21</u>	<u>154</u>
P 9		<u>24</u>	<u>801</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>220</u>
P10		<u>27</u>	<u>813</u>	<u>45</u>	<u>42</u>	<u>27</u>	<u>314</u>
P11		<u>30</u>	<u>820</u>	<u>50</u>	<u>42</u>	<u>30</u>	<u>437</u>
P12				<u>55</u>	<u>42</u>	<u>33</u>	<u>574</u>
P13				<u>60</u>	<u>42</u>	<u>36</u>	<u>692</u>
P14						<u>39</u>	<u>754</u>
P15						<u>42</u>	<u>787</u>
P16						<u>45</u>	<u>804</u>
P17						<u>48</u>	<u>815</u>
P18						<u>51</u>	<u>821</u>
P19						<u>54</u>	<u>825</u>
P20						<u>57</u>	<u>825</u>



**WESTERN TESTING CO., INC.**  
**Pressure Data**

7-13-76

Test Ticket No. 21495

Order No. 1564 Capacity 3150 Location 1361 Ft.

Core No. 6859 Elevation 1102 KB Well Temperature 88 °F

	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>688</u> P.S.I.	Open Tool	<u>8:58 P</u> M.	
First Initial Flow Pressure	<u>15</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
Initial Closed-in Pressure	<u>415</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Second Initial Flow Pressure	<u>48</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>54</u> Mins.
Second Final Flow Pressure	<u>42</u> P.S.I.			
Final Closed-in Pressure	<u>403</u> P.S.I.			
Final Hydrostatic Mud	<u>661</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>6</u> Inc.	Breakdown: <u>8</u> Inc.	Breakdown: <u>12</u> Inc.	Breakdown: <u>18</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.
Time	Point Minutes	Point Minutes	Point Minutes
Press.	Press.	Press.	Press.
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>5</u>	<u>3</u>	<u>5</u>	<u>3</u>
<u>10</u>	<u>6</u>	<u>10</u>	<u>6</u>
<u>15</u>	<u>9</u>	<u>15</u>	<u>9</u>
<u>20</u>	<u>12</u>	<u>20</u>	<u>12</u>
<u>25</u>	<u>15</u>	<u>25</u>	<u>15</u>
<u>30</u>	<u>18</u>	<u>30</u>	<u>18</u>
<u>35</u>	<u>21</u>	<u>35</u>	<u>21</u>
<u>40</u>	<u>24</u>	<u>40</u>	<u>24</u>
<u>45</u>	<u>27</u>	<u>45</u>	<u>27</u>
<u>50</u>	<u>30</u>	<u>50</u>	<u>30</u>
<u>55</u>	<u>33</u>	<u>55</u>	<u>33</u>
<u>60</u>	<u>36</u>	<u>60</u>	<u>36</u>
	<u>39</u>		<u>39</u>
	<u>42</u>		<u>42</u>
	<u>45</u>		<u>45</u>
	<u>48</u>		<u>48</u>
	<u>51</u>		<u>51</u>
	<u>54</u>		<u>54</u>
	<u>57</u>		<u>57</u>
	<u>60</u>		<u>60</u>

THT 21495

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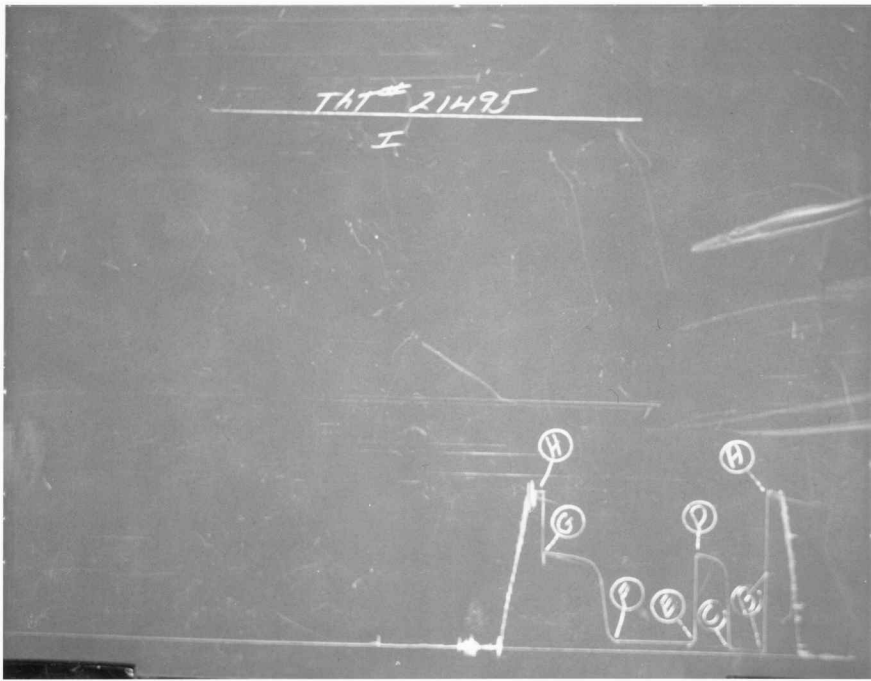
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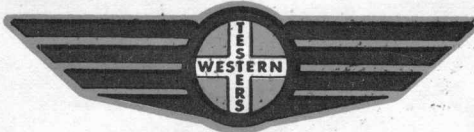
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INC.

P. O. Box 1599  
Wichita, Kansas 67201

Company K.R.M. Petroleum Corp. Lease & Well No. Spinharner #1  
 Elevation 1102 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 21495  
 Date 7-13-76 Sec. 25 Twp. 31S Range 10E County Elk State Kansas  
 Test Approved by Cliff Kindle Western Representative Norman Allen  
 Formation Test No. 3 O.K.  Misrun  Interval Tested From 1342' to 1372' Total Depth 2280'  
 Size Main Hole 6 1/4" Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth - Ft. Size - Bottom Packer Depth 1342 Ft. Size 5 1/2  
 Straddle Yes Conv.  B.T.  Damaged  Yes  No Packer Depth 1372 Ft. Size 5 1/2 OD  
 Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 30 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
 RECORDERS Depth 1361 Ft. Clock No. 6859 Depth 1364 Ft. Clock No. 9103  
 Top Make Kuster Cap. 3150 No. 1564 <sup>Inside</sup> Outside Bottom Make Kuster Cap. 4200 No. 1558 <sup>Inside</sup> Outside  
 Below Straddle: Depth 1377 Rec. No. 1565 Clock No. 6800 <sup>Inside</sup> Outside Depth 1380 Ft. Rec. No. 29 Clock No. 144 <sup>Inside</sup> Outside  
 Time Set Packer 8:58 P M  
 Tool Open I.F.P. From 9:00 P.M. to 9:30 P.M. - Hr. 30 Min. From (B) 15 P.S.I. To (C) 21 P.S.I.  
 Tool Closed I.C.I.P. From 9:30 P.M. to 10:00 P.M. - Hr. 30 Min (D) 415 P.S.I.  
 Tool Open F.F.P. From 10:00 P.M. to 11:00 P.M. 1 Hr. - Min. From (E) 48 P.S.I. To (F) 42 P.S.I.  
 Tool Closed F.C.I.P. From 11:00 P.M. to 12:00 P.M. 1 Hr. - Min. (G) 403 P.S.I.  
 Initial Hydrostatic Pressure (A) 688 P.S.I. Final Hydrostatic Pressure (H) 661 P.S.I. Maximum Temp. 88

INFORMATION

BLOW Weak to very weak blow, 30 minutes. Very weak intermittent, 60 minutes.

Did Well Flow - Yes  No  Recovery Total Ft. 40' drilling mud with very slight show of oil.

Reversed Out - Yes  No  Mud Type chem Viscosity 60 Weight 9.2 Water Loss 10.2 cc. Chlorides 1200 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint  Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR Edco Drlg. Co. Length Drill Pipe? 1137 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 190 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 953 Ft.

Remarks: DST #2 Misrun Plugged Tool

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7-13-76

Test Ticket No. 21495

Recorder No. 1564 Capacity 3150 Location 1361 Ft.

Clock No. 6859 Elevation 1102 Kelly Bushing Well Temperature 88 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>688</u> P.S.I.	Open Tool	<u>8:58</u> P M	
B First Initial Flow Pressure	<u>15</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure	<u>415</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>48</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>54</u> Mins.
F Second Final Flow Pressure	<u>42</u> P.S.I.			
G Final Closed-in Pressure	<u>403</u> P.S.I.			
H Final Hydrostatic Mud	<u>661</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: 8 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

**Second Flow Pressure**  
Breakdown: 12 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 18 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>15</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>42</u>
P 2 <u>5</u>	<u>16</u>	<u>3</u>	<u>312</u>	<u>5</u>	<u>42</u>	<u>3</u>	<u>60</u>
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>371</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>126</u>
P 4 <u>15</u>	<u>18</u>	<u>9</u>	<u>389</u>	<u>15</u>	<u>42</u>	<u>9</u>	<u>239</u>
P 5 <u>20</u>	<u>19</u>	<u>12</u>	<u>397</u>	<u>20</u>	<u>42</u>	<u>12</u>	<u>316</u>
P 6 <u>25</u>	<u>20</u>	<u>15</u>	<u>403</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>344</u>
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>408</u>	<u>30</u>	<u>42</u>	<u>18</u>	<u>364</u>
P 8		<u>21</u>	<u>411</u>	<u>35</u>	<u>42</u>	<u>21</u>	<u>374</u>
P 9		<u>24</u>	<u>415</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>380</u>
P10				<u>45</u>	<u>42</u>	<u>27</u>	<u>383</u>
P11				<u>50</u>	<u>42</u>	<u>30</u>	<u>388</u>
P12				<u>55</u>	<u>42</u>	<u>33</u>	<u>391</u>
P13				<u>60</u>	<u>42</u>	<u>36</u>	<u>393</u>
P14						<u>39</u>	<u>394</u>
P15						<u>42</u>	<u>397</u>
P16						<u>45</u>	<u>399</u>
P17						<u>48</u>	<u>400</u>
P18						<u>51</u>	<u>402</u>
P19						<u>54</u>	<u>403</u>
P20							