



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 25054

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Council Grove Elevation _____ Eff. Pay _____ Ft.

District Augusta Date 3-5-76 Customer Order No. _____

COMPANY NAME Range Oil Co.

ADDRESS 240 Page Court 250 W. Douglas Wichita, Kansas

LEASE AND WELL NO. Muret #2 COUNTY Cowley STATE Kansas Sec 27 Twp 33S Rge 5E

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 482 to 515 Total Depth 515

Size Main Hole 2 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 477 Ft. Size 63/4 Bottom Packer Depth 482 Ft. Size 63/4

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

Tool Size 5600 Tool Joint Size 4 1/2 FH Anchor Length 33 Ft. Size 5600 Surface Choke Size 1/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 505 Ft. Clock No. 6866 Depth 508 Ft. Clock No. 6896

Top Make Rustw Cap 4500 No. 3085 Inside Outside Bottom Make Rustw Cap 4400 No. 2603 Inside Outside

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

Time Set Packer 1:48P M

Tool Open I.F.P. From 1:45P M. to 2:15P M. - Hr. 30 Min. From (B) 12 19 P.S.I. To (C) 12 17 P.S.I.

Tool Closed I.C.I.P. From 2:15P M. to 2:45P M. - Hr. 30 Min. (D) 215 210 P.S.I.

Tool Open F.F.P. From 2:45P M. to 3:15P M. - Hr. 30 Min. From (E) 24 22 P.S.I. To (F) 12 14 P.S.I.

Tool Closed F.C.I.P. From 3:15P M. to 4:15P M. - Hr. 60 Min. (G) 215 203 P.S.I.

Initial Hydrostatic Pressure (A) 227 220 P.S.I. Final Hydrostatic Pressure (H) 215 210 P.S.I. Maximum Temp. 64°

BLOW Strong - blow through out INFORMATION gas surface 3 minutes (see gas sheet)

Did Well Flow X Yes - No Recovery Total Ft. 45' gassy dry mud

Reversed Out - Yes X No Mud Type Chem Viscosity 38 Weight 9.4 Water Loss 12 cc. Chlorides 1800

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 WTE Rig 4 Length Drill Pipe 252 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 X 1/2

Length Weight Pipe - ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 210 ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4" H90 Length D.S.T. Tool 53 ft.

Remarks see attached sheet for gas measurements

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 [Signature]

Signature of Customer or his Authorized Representative Operator's Time _____ Hrs.

INVOICE SECTION

Open Hole Test	\$ 320.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 320.00

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WESTERN TESTING CO., INC.

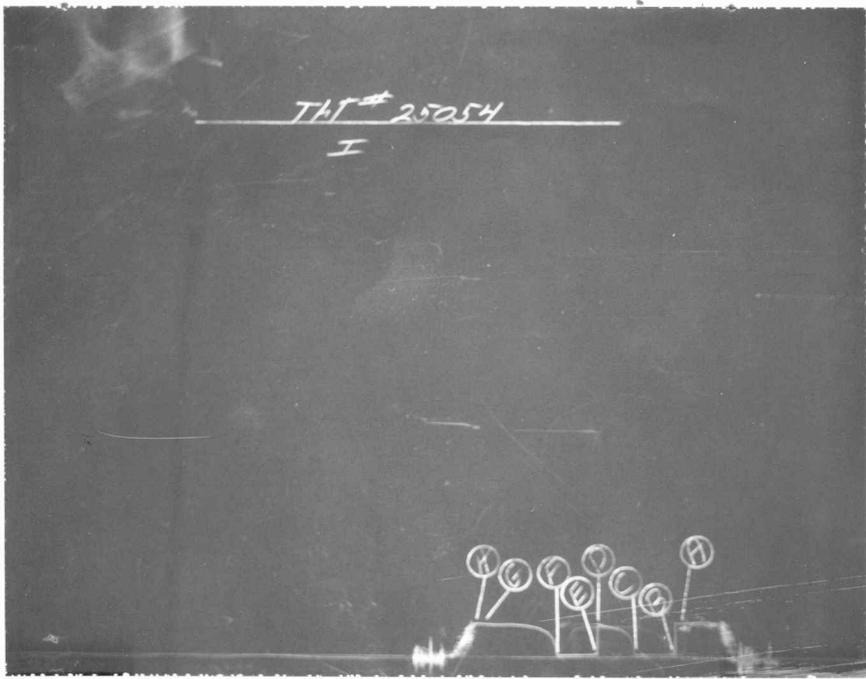
Pressure Data

Date 3-5-76 Test Ticket No. 25054
 Recorder No. 3085 Capacity 4500 Location 505 Ft.
 Clock No. 6866 Elevation — Well Temperature 64 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>220</u>	P.S.I.	<u>1:43 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>19</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>17</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>210</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>22</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>14</u>	P.S.I.		
G Final Closed-in Pressure	<u>215</u>	P.S.I.		
H Final Hydrostatic Mud	<u>216</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>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>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>19</u>	<u>0</u>	<u>17</u>	<u>0</u>	20 <u>22</u>	<u>0</u>	<u>14</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>115</u>	<u>5</u>	<u>17</u>	<u>3</u>	<u>109</u>
P 3 <u>10</u>		<u>6</u>	<u>151</u>	<u>10</u>	<u>16</u>	<u>6</u>	<u>147</u>
P 4 <u>15</u>		<u>9</u>	<u>167</u>	<u>15</u>	<u>15</u>	<u>9</u>	<u>164</u>
P 5 <u>20</u>		<u>12</u>	<u>178</u>	<u>20</u>	<u>15</u>	<u>12</u>	<u>178</u>
P 6 <u>25</u>		<u>15</u>	<u>185</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>188</u>
P 7 <u>30</u>	<u>17</u>	<u>18</u>	<u>192</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>194</u>
P 8 <u>35</u>		<u>21</u>	<u>198</u>	<u>35</u>		<u>21</u>	<u>199</u>
P 9 <u>40</u>		<u>24</u>	<u>203</u>	<u>40</u>		<u>24</u>	<u>203</u>
P10 <u>45</u>		<u>27</u>	<u>208</u>	<u>45</u>		<u>27</u>	<u>206</u>
P11 <u>50</u>		<u>30</u>	<u>210</u>	<u>50</u>		<u>30</u>	<u>208</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	<u>210</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	<u>210</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>210</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>209</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>209</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>208</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>210</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>211</u>
P20		<u>57</u>				<u>57</u>	<u>213</u>
		<u>60</u>				<u>60</u>	<u>215</u>





Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Range Oil Company Inc. Lease & Well No. Muret #2
 Elevation - Formation Council Grove Effective Pay - Ft. Ticket No. 25054
 Date 3-5-76 Sec. 27 Twp. 33S Range 5E County Cowley State Kansas
 Test Approved by Gerald D. Honas Western Representative Charles Branstetter

Formation Test No. 1 O.K. Misrun Interval Tested From 482' to 515' Total Depth 515'
 Size Main Hole 7 7/8 Rat Hole - Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 477 Ft. Size 6 3/4 Bottom Packer Depth 482 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 33 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 505 Ft. Clock No. 6866 Depth 508 Ft. Clock No. 6896
 Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 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 2:15P M. - Hr. 30 Min. From (B) 19 P.S.I. To (C) 17 P.S.I.
 Tool Closed I.C.I.P. From 2:15P M. to 2:45P M. - Hr. 30 Min (D) 210 P.S.I.
 Tool Open F.F.P. From 2:45P M. to 3:15P M. - Hr. 30 Min. From (E) 22 P.S.I. To (F) 14 P.S.I.
 Tool Closed F.C.I.P. From 3:15P M. to 4:15P M. - Hr. 60 Min. (G) 215 P.S.I.
 Initial Hydrostatic Pressure (A) 220 P.S.I. Final Hydrostatic Pressure (H) 216 P.S.I. Maximum Temp. 64

INFORMATION

BLOW Strong blow throughout test. gas to surface in 3 minutes.

Did Well Flow Yes No Recovery Total Ft. 45' gassy drilling mud.

Reversed Out Yes No Mud Type chem Viscosity 38 Weight 9.4 Water Loss 12. cc. Chlorides 1800 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 White & Ellis Drlg. Co. Length Drill Pipe? 252 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 210 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 53 Ft.

Remarks: See attached sheet for gas measurements

WESTERN TESTING CO., INC.

Pressure Data

Date 3-5-76 Test Ticket No. 25054
 Recorder No. 3085 Capacity 4500 Location 505 Ft.
 Clock No. 6866 Elevation - Well Temperature 64 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	220	P.S.I.	1:43 P. M	
B First Initial Flow Pressure	19	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	17	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	210	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	22	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	14	P.S.I.		
G Final Closed-in Pressure	215	P.S.I.		
H Final Hydrostatic Mud	216	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 5 mins.	and a final inc. of 0 Min.	of 3 mins.	and a final inc. of 0 Min.	of 5 mins.	and a final inc. of 0 Min.	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	19	0	17	0	22	0	14	
P 2 5	17	3	115	5	17	3	109	
P 3 10	17	6	151	10	16	6	147	
P 4 15	17	9	167	15	15	9	164	
P 5 20	17	12	178	20	15	12	178	
P 6 25	17	15	185	25	14	15	188	
P 7 30	17	18	192	30	14	18	194	
P 8		21	198			21	199	
P 9		24	203			24	203	
P10		27	208			27	206	
P11		30	210			30	208	
P12						33	210	
P13						36	210	
P14						39	210	
P15						42	209	
P16						45	209	
P17						48	208	
P18						51	210	
P19						54	211	
P20						57	213	
						60	215	



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 25055

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Admiral Elevation 4400 Eff. Pay _____ Ft.

District Augusta Date 3-5-76 Customer Order No. _____

COMPANY NAME Range Oil Co.

ADDRESS 240 Page Court 220 W. Douglas Wichita Kansas

LEASE AND WELL NO. Musket #2 COUNTY Cowley STATE Kansas Sec. 27 Twp. 33S Rge. 5E

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

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 2 O.K. Misrun Interval Tested From 575 to 595 Total Depth 595

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

Top Packer Depth 570 Ft. Size 6 3/4 Bottom Packer Depth 575 Ft. Size 6 3/4

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

Tool Size 5'200 Tool Joint Size 4 1/2 FH Anchor Length 20 Ft. Size 5'200 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 587 Ft. Clock No. 6866 Depth 590 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside

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

Time Set Packer 8:30 P M

Tool Open I.F.P. From 8:30 P M. to 9:00 P M. — Hr. 30 Min. From (B) 4860 P.S.I. To (C) 167 P.S.I.

Tool Closed I.C.I.P. From 9:00 P M. to 9:30 P M. — Hr. 30 Min. (D) _____ P.S.I. To (E) 167 P.S.I.

Tool Open F.F.P. From 9:30 P M. to 10:00 P M. — Hr. 30 Min. From (E) 167 P.S.I. To (F) 167 P.S.I.

Tool Closed F.C.I.P. From 10:00 P M. to 10:30 P M. — Hr. 30 Min. (G) 167 P.S.I. To (H) 170 P.S.I.

Initial Hydrostatic Pressure (A) 275 P.S.I. Final Hydrostatic Pressure (H) 251 P.S.I. Maximum Temp. 69

INFORMATION

BLOW Strong diminishing blow died after 18 minutes on final flow period.

Did Well Flow Yes No Recovery Total Ft. 430' muddy salt water

Reversed Out Yes No Mud Type Chem Viscosity 3.8 Weight 9.4 Water Loss 10 cc. Chlorides 1800 PPM

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

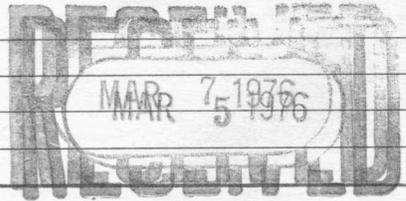
Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? No Where? _____

DRILLING CONTRACTOR White 300's Drilling Co. Length Drill Pipe 345 ft. I.D. Drill Pipe 3.8 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 210 ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 40 ft.

Remarks _____



INVOICE SECTION

Open Hole Test	\$ <u>320.00</u>
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>320.00</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 [Signature] Western Representative Charles Branstetter

Signature of Customer or his Authorized Representative

Operator's Time _____ Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-5-76 Test Ticket No. 25095
 Recorder No. 3085 Capacity 4500 Location 587 Ft.
 Clock No. 6800 Elevation _____ Well Temperature 69 °F

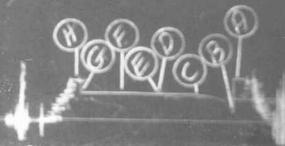
Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>275</u> P.S.I.	Open Tool	<u>8:30 P</u> M	
B. First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>170</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>170</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E. Second Initial Flow Pressure	<u>170</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F. Second Final Flow Pressure	<u>172</u> P.S.I.			
G. Final Closed-in Pressure	<u>170</u> P.S.I.			
H. Final Hydrostatic Mud	<u>252</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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 0	<u>60</u>	0	<u>170</u>	0	<u>170</u>	0	<u>172</u>
P 2 5	<u>111</u>	3		5	<u>170</u>	3	<u>172</u>
P 3 10	<u>136</u>	6		10	<u>170</u>	6	<u>172</u>
P 4 15	<u>152</u>	9		15	<u>170</u>	9	<u>172</u>
P 5 20	<u>160</u>	12		20	<u>171</u>	12	<u>171</u>
P 6 25	<u>164</u>	15		25	<u>172</u>	15	<u>171</u>
P 7 30	<u>172</u>	18		30	<u>172</u>	18	<u>171</u>
P 8 35	172	21		35		21	<u>171</u>
P 9 40		24		40		24	<u>170</u>
P10 45		27		45		27	<u>170</u>
P11 50		30	<u>170</u>	50		30	<u>170</u>
P12 55		<u>33</u>		55		<u>33</u>	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
WTC - 4		60				60	

TIT# 25035

I



3085



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Range Oil Company Inc. Lease & Well No. Muret #2
 Elevation - - Formation Admire Effective Pay - - Ft. Ticket No. 25055
 Date 3-5-76 Sec. 27 Twp. 33S Range 5E County Cowley State Kansas
 Test Approved by Gerald D. Honas Western Representative Charles Branstetter
 Formation Test No. 2 O.K. Misrun - Interval Tested From 575' to 595' Total Depth 595'
 Size Main Hole 77/8 Rat Hole - Conv. B.T. - Damaged - Yes No Conv. - B.T. Damaged - Yes No
 Top Packer Depth 570 Ft. Size 6 3/4 Bottom Packer Depth 575 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 20 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 587 Ft. Clock No. 6866 Depth 590 Ft. Clock No. 6896
 Top Make Kuster Cap. 4500 No. 3085 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Outside
 Time Set Packer 8:30 P. M
 Tool Open I.F.P. From 8:30 P. M. to 9:00 P. M. - Hr. 30 Min. From (B) 60 P.S.I. To (C) 170 P.S.I.
 Tool Closed I.C.I.P. From 9:00 P. M. to 9:30 P. M. - Hr. 30 Min (D) 170 P.S.I.
 Tool Open F.F.P. From 9:30 P. M. to 10:00 P. M. - Hr. 30 Min. From (E) 170 P.S.I. To (F) 172 P.S.I.
 Tool Closed F.C.I.P. From 10:00 P. M. to 10:30 P. M. - Hr. 30 Min. (G) 170 P.S.I.
 Initial Hydrostatic Pressure (A) 275 P.S.I. Final Hydrostatic Pressure (H) 252 P.S.I. Maximum Temp. 69

INFORMATION

BLOW Strong diminishing blow died after 18 minutes, on final flow period.
 Did Well Flow - Yes No Recovery Total Ft. 430' muddy salt water.
 Reversed Out = Yes No Mud Type chem viscosity 3.8 Weight 9.4 Water Loss 10. cc. Chlorides 1800 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 White & Ellis Drlg. Co. Length Drill Pipe? 345 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 210 Ft. I.D. Drill Collars 2.25 In.
 Tool Joint Size 4H-90 In. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 3-5-76 Test Ticket No. 25055
 Recorder No. 3085 Capacity 4500 Location 587 Ft.
 Clock No. 6866 Elevation - Well Temperature 69 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	275 P.S.I.	Open Tool	8:30 P.	M
B First Initial Flow Pressure	60 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	170 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	170 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	170 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	172 P.S.I.			
G Final Closed-in Pressure	170 P.S.I.			
H Final Hydrostatic Mud	252 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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	0	0	170	0	170	0	172
P 2	5	3	170	5	170	3	172
P 3	10	6	170	10	170	6	172
P 4	15	9	170	15	171	9	172
P 5	20	12	170	20	171	12	171
P 6	25	15	170	25	172	15	171
P 7	30	18	170	30	172	18	171
P 8		21	170			21	171
P 9		24	170			24	170
P10		27	170			27	170
P11		30	170			30	170
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							