



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 4109

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

Elevation 2073 KB Formation Lansing Eff. Pay Ft.

District Wakeeney Date 7-25-80 Customer Order No.

COMPANY NAME Ram Petroleum Corp.

ADDRESS 800 Kansas Blvd Trust Wichita Ks. 67202

LEASE AND WELL NO. Watson #2 COUNTY Rush STATE Ks Sec. 1 Twp. 16s Rge. 20w

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

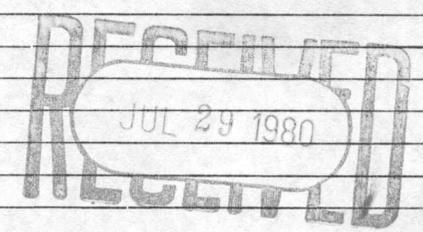
Formation Test No. 1 Interval Tested from 3367 ft. to 3400 ft. Total Depth 3400 ft. Packer Depth 3367 ft. Size 6 3/4 in. Depth of Selective Zone Set

Top Recorder Depth (Inside) 3369 ft. Recorder Number 4331 Cap. 4150 Bottom Recorder Depth (Outside) 3372 ft. Recorder Number 13240 Cap. 4500 Below Straddle Recorder Depth Recorder Number Cap.

Drilling Contractor H-30 Rig #2 Drill Collar Length I. D. in. Mud Type starch Viscosity 45 Weight Pipe Length I. D. in. Weight 9.7 Water Loss cc. Drill Pipe Length 3348 I. D. 3.8 in. Chlorides P.P.M. Test Tool Length 19' ft. Tool Size 5 1/2 in. Jars: Make None Serial Number Anchor Length 331 ft. Size 5 1/2 in. Did Well Flow? No Reversed Out No 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 x H in.

Blow: initial flow period opening - weak blow died in 16 min. Final flow period opening - weak blow throughout

Recovered 20' ft. of Very Slightly Oil Cut Mud Recovered 40' ft. of Gas in Pipe Recovered ft. of Recovered ft. of Recovered ft. of Remarks:



Time Set Packer(s) 1:05 AM/PM Time Started Off Bottom 4:35 AM/PM Maximum Temperature 105 degrees Initial Hydrostatic Pressure (A) 1825 P.S.I. Initial Flow Period (B) 30 Minutes (C) 55 P.S.I. Initial Closed In Period (D) 30 Minutes (E) 186 P.S.I. Final Flow Period (F) 120 Minutes (G) 66 P.S.I. Final Closed In Period (H) 30 Minutes (H) 98 P.S.I. Final Hydrostatic Pressure (H) 1825 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. Charley V. Shank

Test Approved By Charley V. Shank Signature of Customer or his authorized representative

Western Representative Steve Michellish

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$550.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage (42mi \$81.50), Fluid Sampler, Extra Charts, and TOTAL (\$581.50).

WESTERN TESTING CO., INC.

Pressure Data

Date 2-25-80 Test Ticket No. 4109
 Recorder No. 4331 Capacity 4150 Location 3369 Ft.
 Clock No. _____ Elevation 2073 503 Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1835</u> P.S.I.	Open Tool	<u>1:05 P</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>67</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>183</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>76</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>66</u> P.S.I.			
G Final Closed-in Pressure	<u>90</u> P.S.I.			
H Final Hydrostatic Mud	<u>1821</u> P.S.I.			

PRESSURE BREAKDOWN

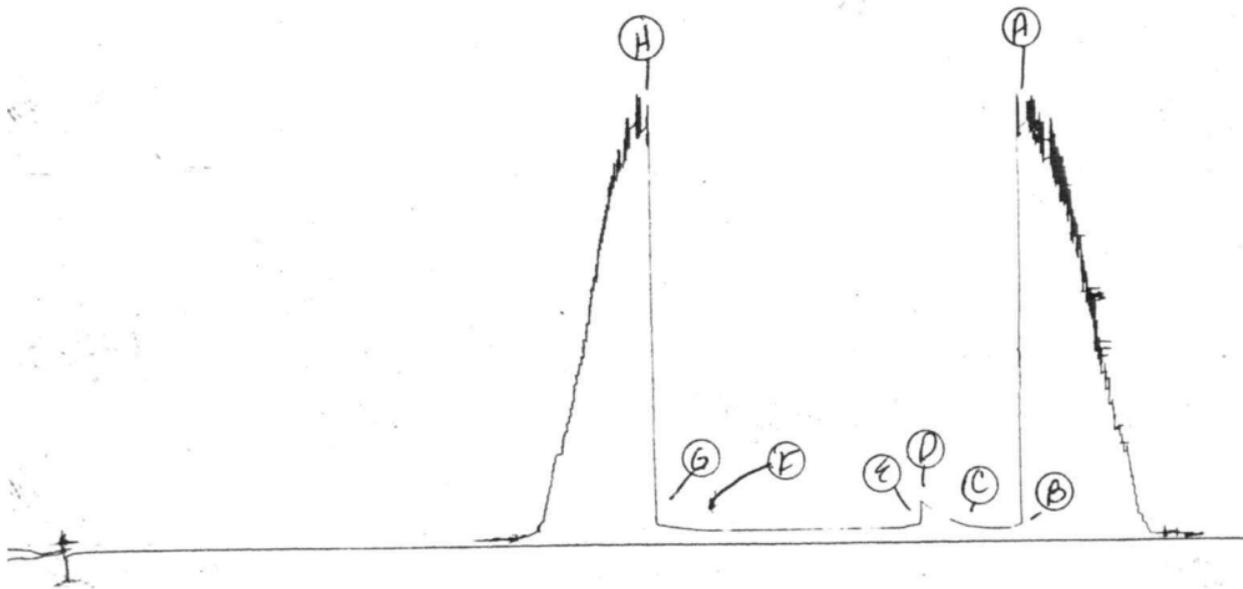
Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
	final inc. of <u>0</u> Min.		final inc. of <u>0</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>69</u>	0	<u>67</u>	0	<u>76</u>	0	<u>66</u>	
P 2	<u>66</u>	3	<u>79</u>	3	<u>76</u>	3	<u>66</u>	
P 3	<u>62</u>	6	<u>89</u>	6	<u>68</u>	6	<u>66</u>	
P 4	<u>62</u>	9	<u>98</u>	9	<u>66</u>	9	<u>68</u>	
P 5	<u>62</u>	12	<u>107</u>	12		12	<u>70</u>	
P 6	<u>67</u>	15	<u>120</u>	15		15	<u>73</u>	
P 7		18	<u>131</u>	18		18	<u>76</u>	
P 8		21	<u>143</u>	21		21	<u>76</u>	
P 9		24	<u>159</u>	24		24	<u>81</u>	
P10		27	<u>175</u>	27		27	<u>85</u>	
P11		30	<u>183</u>	30		30	<u>90</u>	
P12		33		33		33		
P13		36		36		36		
P14		39		39		39		
P15		42		42		42		
P16		45		45		45		
P17		48		48		48		
P18		51		51		51		
P19		54		54		54		
P20		57		57		57		
		60		60		60		
					<u>95</u>			
					<u>100</u>			
					<u>105</u>			
					<u>110</u>			
					<u>115</u>			

Wt #4109

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4331

4109



Company Ram Petroleum Corporation Lease & Well No. Watson #2
 Elevation 2073 Kelly Bush Formation Lansing Effective Pay ---- Ft. Ticket No. 4109
 Date 7/25/80 Sec. 1 Twp. 16S Range 20W County Rush State Kansas
 Test Approved by Charley V. Shank Western Representative Steve Michellich

Formation Test No. 1 Interval Tested from 3367 ft. to 3400 ft. Total Depth 3400 ft.
 Packer Depth 3367 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3362 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 3369 ft. Recorder Number 4331 Cap. 4150
 Bottom Recorder Depth (Outside) 3372 ft. Recorder Number 13240 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Rig #2 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss - cc. Drill Pipe Length 3348 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.
 Jars: Make None Serial Number - Anchor Length 33 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No 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: Initial flow period weak blow died in sixteen minutes. Final flow period weak blow throughout.

Recovered 20 ft. of very slightly oil cut mud
 Recovered 40 ft. of gas in pipe
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: _____

Time Set Packer(s) 1:05 A.M. Time Started Off Bottom 4:35 P.M. Maximum Temperature 105°
 Initial Hydrostatic Pressure (A) 1835 P.S.I.
 Initial Flow Period Minutes 25 (B) 69 P.S.I. to (C) 67 P.S.I.
 Initial Closed In Period Minutes 30 (D) 183 P.S.I.
 Final Flow Period Minutes 120 (E) 76 P.S.I. to (F) 66 P.S.I.
 Final Closed In Period Minutes 30 (G) 90 P.S.I.
 Final Hydrostatic Pressure (H) 1821 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-25-80 Test Ticket No. 4109
 Recorder No. 4331 Capacity 4150 Location 3369 Ft.
 Clock No. --- Elevation 2073 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1835	P.S.I.	1:05 P.	M
B First Initial Flow Pressure	69	P.S.I.	30	Mins. 25 Mins.
C First Final Flow Pressure	67	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	183	P.S.I.	120	Mins. 120 Mins.
E Second Initial Flow Pressure	76	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	66	P.S.I.		
G Final Closed-in Pressure	90	P.S.I.		
H Final Hydrostatic Mud	1821	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>24</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	69	0	67	0	76	0	66
P 2	5	66	3	79	5	76	3	66
P 3	10	62	6	89	10	68	6	66
P 4	15	62	9	98	15	66	9	68
P 5	20	62	12	107	20	66	12	70
P 6	25	67	15	120	25	66	15	73
P 7			18	131	30	66	18	76
P 8			21	143	35	66	21	76
P 9			24	159	40	66	24	81
P10			27	175	45	66	27	85
P11			30	183	50	66	30	90
P12					55	66		
P13					60	66		
P14					65	66		
P15					70	66		
P16					75	66		
P17					80	66		
P18					85	66		
P19					90	66		
P20					95	66		
					100	66		

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Date 7-25-80 Test Ticket No. 4109
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 Clock No. --- Elevation 2073 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1835</u>	P.S.I.	<u>1:05</u> P.	<u>M</u>
B First Initial Flow Pressure	<u>69</u>	P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>67</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>183</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>76</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>66</u>	P.S.I.		
G Final Closed-in Pressure	<u>90</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1821</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				105	66		
P 2				110	66		
P 3				115	66		
P 4				120	66		
P 5							
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							