



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 5331

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

Elevation 1442' K.B. Formation KANSAS CITY Eff. Pay Ft.

District PRATT Date 5-23-80 Customer Order No.
COMPANY NAME K.R.M. Petro. Corporation
ADDRESS 820 Guaranty Bank Bldg 817-17th Street Denver CO 80202
LEASE AND WELL NO. #1 KOSTER OK COUNTY KINGMAN OK STATE KANS Sec. 25 Twp 28S Rge 6W
Mail Invoice To Same Co. Name Hootner II Address No. Copies Requested 12
Mail Charts To Same Address No. Copies Requested 12

Formation Test No. 1 Interval Tested from 3445 ft. to 3470 ft. Total Depth 3470 ft.
Packer Depth 3440 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3445 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 3451 ft. Recorder Number 1566 Cap. 4300
Bottom Recorder Depth (Outside) 3454 ft. Recorder Number 3086 * Cap. 4500
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor GRAVES DRILLING CO. Rig #1 Drill Collar Length 70 I. D. 2.2 in.
Mud Type DRISPAR Viscosity 42 Weight Pipe Length I. D. in.
Weight 9.2 Water Loss 88 cc. Drill Pipe Length 3328 I. D. 3.8 in.
Chlorides 28,000 P.P.M. Test Tool Length 27' ft. Tool Size 5 1/2 O.D. in.
Jars: Make W.T.C. Serial Number 3660 Anchor Length 2.5 ft. Size 5 1/2 O.D. 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 x 1 1/2 in.

Blow: WEAK blow / 1st Open WEAK blow / slight build in 2nd Open

Recovered 40' ft. of SSC w/ky mud
Recovered 60 ft. of muddy shale
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks: Read bottom Recorder (3086)

On location @ 8:30 AM Took up @ 9:30 AM Took dn @ 5:00 PM OFF @ 6:00 PM

Time Set Packer(s) 10:56 AM Time Started Off Bottom 3:26 PM Maximum Temperature 118°
Initial Hydrostatic Pressure (A) 1727 P.S.I.
Initial Flow Period Minutes 30 (B) 23 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period Minutes 40 (D) 1322 P.S.I.
Final Flow Period Minutes 40 (E) 35 P.S.I. to (F) 47 P.S.I.
Final Closed In Period Minutes 120 (G) 1276 P.S.I.
Final Hydrostatic Pressure (H) 1083 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 \$ ✓ 300.00
Selective Zone \$
Safety Joint \$ ✓ 50.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 240 x 75¢ \$ ✓ 30.00
Fluid Sampler \$
Extra Charts 5" \$ 35.00
TOTAL \$ 965.00

WESTERN TESTING CO., INC.

Pressure Data

Date 5-29-80 Test Ticket No. 5331
 Recorder No. 3086 Capacity 4500 Location 3454 Ft.
 Clock No. _____ Elevation 1442 X.B. Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1735</u> P.S.I.	<u>10:56</u> A M	
B First Initial Flow Pressure	<u>28</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1316</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>43</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.		
G Final Closed-in Pressure	<u>1279</u> P.S.I.		
H Final Hydrostatic Mud	<u>1691</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>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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>28</u>	0	<u>21</u>	0	<u>43</u>	0	<u>52</u>
P 2 5	<u>21</u>	3	<u>581</u>	5	<u>33</u>	3	<u>544</u>
P 3 10	}	6	<u>886</u>	10	}	6	<u>781</u>
P 4 15		9	<u>1014</u>	15		9	<u>909</u>
P 5 20		12	<u>1090</u>	20		12	<u>981</u>
P 6 25		15	<u>1139</u>	25		15	<u>1029</u>
P 7 30	<u>21</u>	18	<u>1162</u>	30		18	<u>1052</u>
P 8 35		21	<u>1185</u>	35	<u>33</u>	21	<u>1075</u>
P 9 40		24	<u>1207</u>	40	<u>37</u>	24	<u>1099</u>
P10 45		27	<u>1229</u>	45	<u>43</u>	27	<u>1121</u>
P11 50		30	<u>1251</u>	50	<u>47</u>	30	<u>1144</u>
P12 55		33	<u>1260</u>	55	<u>50</u>	33	<u>1154</u>
P13 60		36	<u>1269</u>	60	<u>52</u>	36	<u>1165</u>
P14		39	<u>1278</u>	65		39	<u>1176</u>
P15		42	<u>1286</u>	70		42	<u>1186</u>
P16		45	<u>1295</u>	75		45	<u>1195</u>
P17		48	<u>1300</u>	80		48	<u>1201</u>
P18		51	<u>1304</u>	85		51	<u>1207</u>
P19		54	<u>1308</u>	90		54	<u>1213</u>
P20		57	<u>1312</u>			57	<u>1219</u>
		60	<u>1316</u>			60	<u>1224</u>

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 5331

Recorder No. _____ Capacity _____ Location _____

Block No. _____ Elevation _____ Well Temperature _____

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins	Mi
First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins	Mi
Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins	Mi
Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins	Mi
Second Final Flow Pressure	P.S.I.			
Final Closed-in Pressure	P.S.I.			
Final Hydrostatic Mud	P.S.I.			

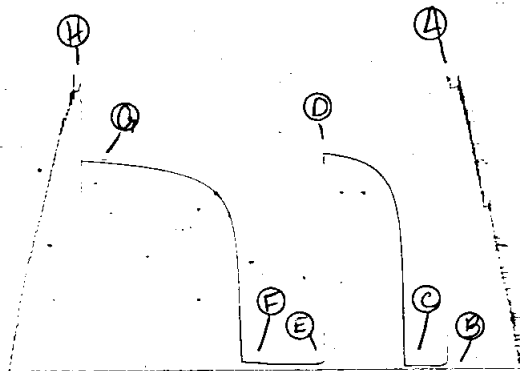
PRESSURE BREAKDOWN

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.
P1		63				63	1229
P2		66				66	1233
P3		69				69	1237
P4		72				72	1241
P5		75				75	1245
P6		78				78	1248
P7		81				81	1251
P8		84				84	1254
P9		87				87	1257
P10		90				90	1260
P11		93				93	1262
P12		96				96	1264
P13		99				99	1266
P14		102				102	1268
P15		105				105	1269
P16		108				108	1271
P17		111				111	1273
P18		114				114	1275
P19		117				117	1277
P20		120				120	1279

3086

TK-#5331

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Company K. R. M. Petroleum Corporation Lease & Well No. Kostner #1
 Elevation 1442 Kelly Bushing Kansas City Formation ----- Effective Pay ----- Ft. Ticket No. 5331
 Date 5/23/80 Sec. 25 Twp. 28S Range 6W County Kingman State Kansas
 Test Approved by J. Copeland Landes Western Representative Roger Mounts
 Formation Test No. 1 Interval Tested from 3445 ft. to 3470 ft. Total Depth 3470 ft.
 Packer Depth 3440 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3445 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3451 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 3454 ft. Recorder Number 3086* Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Graves Drilling Co. Rig #1 Drill Collar Length 90 I. D. 2.2 in.
 Mud Type drispac Viscosity 42 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 88 cc. Drill Pipe Length 3328 I. D. 3.8 in.
 Chlorides 28,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 3660 Anchor Length 25 ft. Size 5 1/2 OD 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 first opening. Weak blow with slight build in second opening.

Recovered 20 ft. of slightly gas cut watery mud

Recovered 60 ft. of muddy salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: READ BOTTOM RECORDER #3086

Time Set Packer(s) 10:56 ~~A.M.~~ P.M. Time Started Off Bottom 3:26 ~~A.M.~~ P.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure 1735 P.S.I. (A) 21 P.S.I.
 Initial Flow Period 30 Minutes (B) 28 P.S.I. to (C) P.S.I.
 Initial Closed In Period 60 Minutes (D) 1316 P.S.I.
 Final Flow Period 60 Minutes (E) 43 P.S.I. to (F) 52 P.S.I.
 Final Closed In Period 120 Minutes (G) 1279 P.S.I.
 Final Hydrostatic Pressure 1691 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 5/23/80 Recorder No. 3086 Capacity 4500 Test Ticket No. 5331
 Clock No. ---- Elevation 1442 Kelly Bushing Location 3454 Ft. 118
 Well Temperature °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1735 P.S.I.	10:56A	
B First Initial Flow Pressure	28 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	21 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1316 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	43 P.S.I.	120 Mins.	120 Mins.
F Second Final Flow Pressure	52 P.S.I.		
G Final Closed-in Pressure	1279 P.S.I.		
H Final Hydrostatic Mud	1691 P.S.I.		

PRESSURE BREAKDOWN

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>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>40</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	28	0	21	0	43	0	52
P 2	5	21	3	581	5	33	3	544
P 3	10	21	6	886	10	33	6	781
P 4	15	21	9	1014	15	33	9	909
P 5	20	21	12	1090	20	33	12	981
P 6	25	21	15	1139	25	33	15	1029
P 7	30	21	18	1162	30	33	18	1052
P 8			21	1185	35	33	21	1075
P 9			24	1207	40	37	24	1099
P10			27	1229	45	43	27	1121
P11			30	1251	50	47	30	1144
P12			33	1260	55	50	33	1154
P13			36	1269	60	52	36	1165
P14			39	1278			39	1176
P15			42	1286			42	1186
P16			45	1295			45	1195
P17			48	1300			48	1201
P18			51	1304			51	1207
P19			54	1308			54	1213
P20			57	1312			57	1219
			60	1316			60	1224

WESTERN TESTING CO., INC.

Pressure Data

Date 5/23/80 Test Ticket No. 5331
 Recorder No. 3086 Capacity 4500 Location 3454 Ft.
 Clock No. ---- Elevation 1442 Kelly Bushing Well Temperature 118 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1735 P.S.I. Open Tool 10:56A M. .
 B First Initial Flow Pressure 28 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 21 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1316 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 43 P.S.I. Final Closed-in Pressure 120 Mins. 120 Mins.
 F Second Final Flow Pressure 52 P.S.I.
 G Final Closed-in Pressure 1279 P.S.I.
 H Final Hydrostatic Mud 1691 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1						63	1229
P 2						66	1233
P 3						69	1237
P 4						72	1241
P 5						75	1245
P 6						78	1248
P 7						81	1251
P 8						84	1254
P 9						87	1257
P10						90	1260
P11						93	1262
P12						96	1264
P13						99	1266
P14						102	1268
P15						105	1269
P16						108	1271
P17						111	1273
P18						114	1275
P19						117	1277
P20						120	1279



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4948

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

Elevation _____ Formation MISSISSIPPI Eff. Pay _____ Ft.

District AUGUSTA Date 5/25/80 Customer Order No. _____

COMPANY NAME KRM PETRO Corporation

ADDRESS 820 Guaranty Bank Bldg 1817-17th St. Topeka KS 66602

LEASE AND WELL NO. KOSTNER #1 COUNTY KINGMAN STATE KANSAS Sec 25 Twp 28S Rge 6W

Mail Invoice To SAME Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To SAME Co. Name _____ Address _____ No. Copies Requested 12

Formation Test No. #2 Interval Tested from 3887 ft. to 3902 ft. Total Depth 3902 ft.

Packer Depth 3887 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3882 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3897 ft. Recorder Number 10908 Cap. 4200

Bottom Recorder Depth (Outside) 3895 ft. Recorder Number 1561 Cap. 3200

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

Drilling Contractor GRAVES DRILLING #1 Drill Collar Length 330 I. D. 2 1/4 in.

Mud Type CHEMICAL-DRISSAC Viscosity 38 Weight Pipe Length _____ I. D. _____ in.

Weight 9.3 Water Loss 16 cc. Drill Pipe Length 3572 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 42 ft. Tool Size 4 1/2 in.

Jars: Make WTC Serial Number 411 Anchor Length 15 ft. Size 4 1/2 in.

Did Well Flow? _____ 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 FH in.

Blow: WEAK BLOW ON INITIAL FLOW PERIOD - DIED IN 25 MINUTES - NO BLOW ON

FINAL FLOW PERIOD.

Recovered _____ ft. of Misrun Plugged tool

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: ON LOCATION @ 8:45 AM 5/25/80 TOOL MADE UP @ 9:30 AM JOB COMPLETED @ 7:00 PM

Time Set Packer(s) 12:10 P.M. Time Started Off Bottom 4:40 P.M. Maximum Temperature _____

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

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

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

Final Flow Period _____ Minutes 60 (E) _____ P.S.I. to (F) 85 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 906 P.S.I.

Final Hydrostatic Pressure _____ (H) 1521 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 John Lee

Signature of Customer or his authorized representative

Western Representative _____

FIELD INVOICE

Open Hole Test \$ _____

Misrun \$ 300.00

Straddle Test \$ _____

Jars \$ 300.00

Selective Zone \$ _____

Safety Joint \$ 50.00

Standby \$ _____

Evaluation \$ _____

Extra Packer \$ _____

Circ. Sub. \$ _____

Mileage 65 X 75¢ \$ 48.75

Fluid Sampler \$ _____

Extra Charge 7 X 75¢ \$ 5.25

TOTAL \$ 404.00

RECEIVED
MAY 27 1980

WESTERN TESTING CO., INC.

Pressure Data

Date 5-25-80 Test Ticket No. 4948
 Recorder No. 10980 Capacity 4200 Location 3892 Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1985</u> P.S.I.	<u>12:10 P</u> M	
B First Initial Flow Pressure	_____ P.S.I.	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	<u>120</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>103</u> P.S.I.		
G Final Closed-in Pressure	<u>936</u> P.S.I.		
H Final Hydrostatic Mud	<u>1504</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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>0</u>		<u>0</u>		<u>0</u>	<u>103</u>
P 2	<u>5</u>	<u>3</u>		<u>5</u>		<u>3</u>	<u>913</u>
P 3	<u>10</u>	<u>6</u>		<u>10</u>		<u>6</u>	<u>930</u>
P 4	<u>15</u>	<u>9</u>		<u>15</u>		<u>9</u>	<u>934</u>
P 5	<u>20</u>	<u>12</u>		<u>20</u>		<u>12</u>	<u>936</u>
P 6	<u>25</u>	<u>15</u>		<u>25</u>		<u>15</u>	<u>936</u>
P 7	<u>30</u>	<u>18</u>		<u>30</u>		<u>18</u>	<u>936</u>
P 8	<u>35</u>	<u>21</u>		<u>35</u>		<u>21</u>	<u>937</u>
P 9	<u>40</u>	<u>24</u>		<u>40</u>		<u>24</u>	<u>937</u>
P10	<u>45</u>	<u>27</u>		<u>45</u>		<u>27</u>	<u>938</u>
P11	<u>50</u>	<u>30</u>		<u>50</u>		<u>30</u>	<u>938</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>938</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>936</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	<u>936</u>

TKT# 4948
I

(H)

(A)

(C)

(F)

10980

Company K. R. M. Petroleum Corporation Lease & Well No. Kostner #1
Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 4948
Date 5/25/80 Sec. 25 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by J. Copeland Landes Western Representative John Lee
Formation Test No. 2 Interval Tested from 3887 ft. to 3902 ft. Total Depth 3902 ft.
Packer Depth 3887 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3882 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3892 ft. Recorder Number 10908 Cap. 4200
Bottom Recorder Depth (Outside) 3895 ft. Recorder Number 1561 Cap. 3200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 330 I. D. 2 1/4 in.
Mud Type chemical-driscac Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 16 cc. Drill Pipe Length 3572 I. D. 3.8 in.
Chlorides 20,000 P.P.M. Test Tool Length 42 ft. Tool Size 4 1/2 in.
Jars: Make WTC Serial Number 411 Anchor Length 15 ft. Size 4 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 FH in.

Blow: Weak blow on initial flow period; died in twenty-five minutes. No blow on final flow period.

Recovered ft. of
Recovered ft. of MISRUN
Recovered ft. of PLUGGED TOOL
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 12:10 ~~AM~~ P.M. Time Started Off Bottom 4:40 ~~AM~~ P.M. Maximum Temperature ?
Initial Hydrostatic Pressure (A) 1985 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) 103 P.S.I.
Final Closed In Period Minutes 60 (G) 936 P.S.I.
Final Hydrostatic Pressure (H) 1504 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/25/80 Test Ticket No. 4948
 Recorder No. 10980 Capacity 4200 Location 3892 Ft.
 Clock No. -- Elevation -- Well Temperature -- °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1985 P.S.I.	12:10P	M
B First Initial Flow Pressure	-- P.S.I.	-- Mins.	-- Mins.
C First Final Flow Pressure	-- P.S.I.	-- Mins.	-- Mins.
D Initial Closed-in Pressure	-- P.S.I.	-- Mins.	-- Mins.
E Second Initial Flow Pressure	-- P.S.I.	120 Mins.	60 Mins.
F Second Final Flow Pressure	103 P.S.I.		
G Final Closed-in Pressure	936 P.S.I.		
H Final Hydrostatic Mud	1504 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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						0	103
P 2						3	913
P 3						6	930
P 4						9	934
P 5						12	936
P 6						15	936
P 7						18	936
P 8						21	937
P 9						24	937
P10						27	938
P11						30	938
P12						33	938
P13						36	938
P14						39	938
P15						42	936
P16						45	936
P17						48	936
P18						51	936
P19						54	936
P20						57	936
						60	936



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5426

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

Elevation _____ Formation MISSISSIPPI Eff. Pay _____ Ft.

District PRATT Date 5/26/80 Customer Order No. _____
COMPANY NAME K R M PETRO. CORP.
ADDRESS 820 Security Bank Bldg - 817-17th St - Kansas City, Mo.
LEASE AND WELL NO. KOSNER #1 COUNTY KINGMAN STATE KANSAS Sec. 25 Twp. 28S Rge. 6W
Mail Invoice To SAME No. Copies Requested REG
Co. Name _____ Address _____
Mail Charts To SAME No. Copies Requested REG 12
Address _____

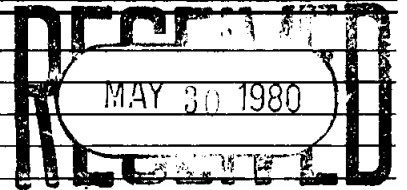
Formation Test No. 3 Interval Tested from 3887 ft. to 3902 ft. Total Depth 3902 ft.
Packer Depth 3882 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3882 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3892 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3895 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor GRAVES RIG 1 Drill Collar Length 90 FT I. D. 2 1/4 in.
Mud Type PREMIX - DRISPA Viscosity 46 Weight Pipe Length _____ I. D. _____ in.
Weight 9.3 Water Loss 11.8 cc. Drill Pipe Length 3779 I. D. 4.0 in.
Chlorides 16,500 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 15 ft. Size 4 1/2 in.
Did Well Flow? _____ Reversed Out _____ Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: STRONG - GTS IN 5 MINUTES ON SECOND FLOW

Recovered 30 ft. of DALG MUD - GAS CVT
Recovered 120 ft. of GAS CVT WATERY DALG MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: CHLORIDES 25,000



ON LOCATION: 12:30 PICKUP TOOL 1:00 OFF LOCATION: 2:30
Time Set Packer(s) 2:20 A.M. Time Started Off Bottom 6:50 A.M. Maximum Temperature 108°
Initial Hydrostatic Pressure _____ (A) 1944 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 66 P.S.I. to (C) 66 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 1041 P.S.I.
Final Flow Period _____ Minutes 60 (E) 88 P.S.I. to (F) 88 P.S.I.
Final Closed In Period _____ Minutes 120 (G) 1063 P.S.I.
Final Hydrostatic Pressure _____ (H) 1942 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 Stuart Stover
Signature of Customer or his authorized representative

Western Representative Stuart Stover

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 300.00
Selective Zone \$ _____
Safety Joint \$ 50.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
7 Extra Charts \$ 35.00
TOTAL \$ 935.00



GAS FLOW REPORT

N^o 1747

Date 5-26-80 Ticket 5426 Company K R M Pet. Corp.
 Well Name and No. KOSTNER #1 Dst No. 3 Interval Tested 3887-3402
 County KINGMAN State KANSAS Sec. 25 Twp. 28S Rg. 6W

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

SECOND FLOW

GAS TO SURFACE IN 5 MINUTES ON 2ND FLOW

10	2 LBS	1/4	518	12.700	11.02	CFPD
20	4 "	1/4			18.500	
30	5 "	1/4			20.700	
40	6 "	1/4			22.900	
50	7 "	1/4			25.000	
60	8 "	1/4			27.000	

GAS BOTTLE

Serial No. — Date Bottle Filled 5-26-80 Date to be Invoiced 5-26-80

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

K R M Pet. Corp.

Authorized by

WESTERN TESTING CO., INC.

Pressure Data

5426

Date 5-26-80

Test Ticket No. 5426

Recorder No. 11018

Capacity 4425

Location 3892 Ft.

Clock No. _____ Elevation _____

Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1947</u> P.S.I.	Open Tool	<u>2:20</u> A 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>70</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1051</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>92</u> P.S.I.			
G Final Closed-in Pressure	<u>1057</u> P.S.I.			
H Final Hydrostatic Mud	<u>1927</u> P.S.I.			

PRESSURE BREAKDOWN

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

Final Shut-In
Breakdown: 38 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	<u>69</u>	0	<u>70</u>	0	<u>96</u>	0	<u>92</u>
P 2 5	<u>89</u>	3	<u>153</u>	5	<u>91</u>	3	<u>344</u>
P 3 10	<u>73</u>	6	<u>329</u>	10	<u>84</u>	6	<u>560</u>
P 4 15	<u>70</u>	9	<u>566</u>	15		9	<u>692</u>
P 5 20	<u>70</u>	12	<u>710</u>	20		12	<u>781</u>
P 6 25	<u>70</u>	15	<u>803</u>	25		15	<u>849</u>
P 7 30		18	<u>839</u>	30		18	<u>876</u>
P 8 35		21	<u>875</u>	35		21	<u>903</u>
P 9 40		24	<u>900</u>	40		24	<u>930</u>
P10 45		27	<u>946</u>	45	<u>84</u>	27	<u>957</u>
P11 50		30	<u>982</u>	50	<u>87</u>	30	<u>980</u>
P12 55		33	<u>992</u>	55	<u>89</u>	33	<u>988</u>
P13 60		36	<u>1001</u>	60	<u>92</u>	36	<u>996</u>
P14		39	<u>1012</u>	65		39	<u>1003</u>
P15		42	<u>1022</u>	70		42	<u>1011</u>
P16		45	<u>1031</u>	75		45	<u>1018</u>
P17		48	<u>1035</u>	80		48	<u>1022</u>
P18		51	<u>1039</u>	85		51	<u>1026</u>
P19		54	<u>1043</u>	90		54	<u>1030</u>
P20		57	<u>1047</u>			57	<u>1034</u>
		60	<u>1051</u>			60	<u>1037</u>

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 5426

Recorder No. _____ Capacity _____ Location _____

Block No. _____ Elevation _____ Well Temperature _____

Joint	Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	P.S.I.		M	
First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins	Mi
First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins	Mi
Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins	Mi
Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins	Mi
Second Final Flow Pressure	P.S.I.			
Final Closed-in Pressure	P.S.I.			
Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

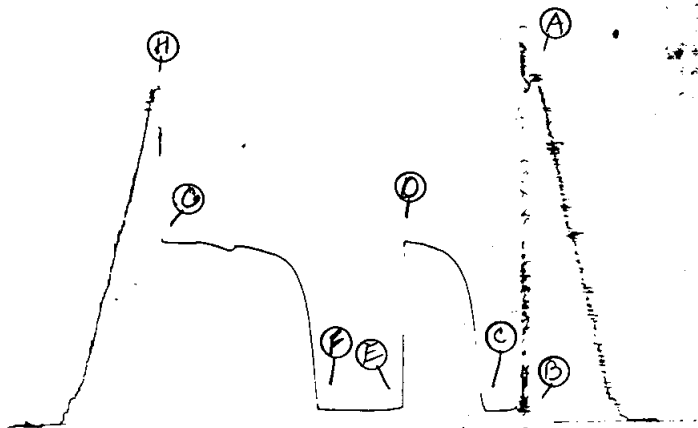
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final 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.
1		63				63	1011
2		66				66	1018
3		69				69	1025
4		72				72	1033
5		75				75	1042
6		78				78	1046
7		81				81	1050
8		84				84	1053
9		87				87	1056
10		90				90	1059
11		93				93	1051
12		96				96	1053
13		99				99	1054
14		102				102	1056
15		105				105	1057
16		108				108	
17		111				111	
18		114				114	1057
19		117				117	
20		120				120	

Several dips - low readings

11018 - 5426

DST # 3

Plot # 5426
I



Company KRM Petroleum Corporation Lease & Well No. Kostner #1
Elevation ---- Formation Mississippi Effective Pay ---- Ft. Ticket No. 5426
Date 5/26/80 Sec. 25 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by J. Copeland Landes Western Representative Stuart Stover
Formation Test No. 3 Interval Tested from 3887' ft. to 3902 ft. Total Depth 3902 ft.
Packer Depth 3882 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3887 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3892 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3895 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 90 I. D. 2 1/2 in.
Mud Type premix-driscopac Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 11.8 cc. Drill Pipe Length 3779 I. D. 4.0 in.
Chlorides 16,500 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 15 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong. Gas to surface in five minutes on second flow. See attached sheet for gas measurements.

Recovered 30 ft. of drilling mud - gas cut
Recovered 120 ft. of gas cut watery drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Chlorides 25,000 ppm

Time Set Packer(s) 2:20 ~~P.M.~~ A.M. Time Started Off Bottom 6:50 ~~P.M.~~ A.M. Maximum Temperature 108°
Initial Hydrostatic Pressure 1947 P.S.I. (A)
Initial Flow Period 25 Minutes (B) 69 P.S.I. to (C) 70 P.S.I.
Initial Closed In Period 60 Minutes (D) 1051 P.S.I.
Final Flow Period 60 Minutes (E) 96 P.S.I. to (F) 92 P.S.I.
Final Closed In Period 114 Minutes (G) 1057 P.S.I.
Final Hydrostatic Pressure 1927 P.S.I. (H)

GAS FLOW REPORT

Date 5/26/80 Ticket 5426 Company KRM Petroleum Corporation
 Well Name and No. Kostner #1 Dst No. 3 Interval Tested 3887' - 3902'
 County Kingman State Kansas Sec. 25 Twp. 28S Rg. 6W

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
PRE FLOW						

Gas to surface in five minutes on **SECOND FLOW**

10 min.	2 lbs.	1/4" orifice		12,700 CFPD
20 min.	4 lbs.	1/4" orifice		18,500 CFPD
30 min.	5 lbs.	1/4" orifice		20,700 CFPD
40 min.	6 lbs.	1/4" orifice		22,900 CFPD
50 min.	7 lbs.	1/4" orifice		25,000 CFPD
60 min.	8 lbs.	1/4" orifice		27,000 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled 5/26/80 Date to be Invoiced 5/26/80

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 1½% per month, equal to 18% 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 KRM Petroleum Corporation
J. Copeland Landes
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-80 Test Ticket No. 5426
 Recorder No. 11018 Capacity 4425 Location 3892 Ft.
 Clock No. ----- Elevation ----- Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1947</u> P.S.I.	Open Tool	<u>2:20</u> A. 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>70</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1051</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>92</u> P.S.I.			
G Final Closed-in Pressure	<u>1057</u> P.S.I.			
H Final Hydrostatic Mud	<u>1927</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>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>38</u> Inc. of <u>3</u> mins. and a 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>69</u>	<u>0</u>	<u>70</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>92</u>
P 2 <u>5</u>	<u>89</u>	<u>3</u>	<u>153</u>	<u>5</u>	<u>91</u>	<u>3</u>	<u>344</u>
P 3 <u>10</u>	<u>73</u>	<u>6</u>	<u>329</u>	<u>10</u>	<u>84</u>	<u>6</u>	<u>560</u>
P 4 <u>15</u>	<u>70</u>	<u>9</u>	<u>566</u>	<u>15</u>	<u>84</u>	<u>9</u>	<u>692</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>710</u>	<u>20</u>	<u>84</u>	<u>12</u>	<u>781</u>
P 6 <u>25</u>	<u>70</u>	<u>15</u>	<u>803</u>	<u>25</u>	<u>84</u>	<u>15</u>	<u>849</u>
P 7		<u>18</u>	<u>839</u>	<u>30</u>	<u>84</u>	<u>18</u>	<u>876</u>
P 8		<u>21</u>	<u>875</u>	<u>35</u>	<u>84</u>	<u>21</u>	<u>903</u>
P 9		<u>24</u>	<u>910</u>	<u>40</u>	<u>84</u>	<u>24</u>	<u>930</u>
P10		<u>27</u>	<u>946</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>957</u>
P11		<u>30</u>	<u>982</u>	<u>50</u>	<u>87</u>	<u>30</u>	<u>980</u>
P12		<u>33</u>	<u>992</u>	<u>55</u>	<u>89</u>	<u>33</u>	<u>988</u>
P13		<u>36</u>	<u>1001</u>	<u>60</u>	<u>92</u>	<u>36</u>	<u>996</u>
P14		<u>39</u>	<u>1012</u>			<u>39</u>	<u>1003</u>
P15		<u>42</u>	<u>1022</u>			<u>42</u>	<u>1011</u>
P16		<u>45</u>	<u>1031</u>			<u>45</u>	<u>1018</u>
P17		<u>48</u>	<u>1035</u>			<u>48</u>	<u>1022</u>
P18		<u>51</u>	<u>1039</u>			<u>51</u>	<u>1026</u>
P19		<u>54</u>	<u>1043</u>			<u>54</u>	<u>1030</u>
P20		<u>57</u>	<u>1047</u>			<u>57</u>	<u>1034</u>
		<u>60</u>	<u>1051</u>			<u>60</u>	<u>1037</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-80

Test Ticket No. 5426

Recorder No. 11018

Capacity 4425

Location 3892 Ft.

Clock No. -----

Elevation -----

Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1947</u> P.S.I.	Open Tool	<u>2:20</u> A. 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>70</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1051</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>92</u> P.S.I.			
G Final Closed-in Pressure	<u>1057</u> P.S.I.			
H Final Hydrostatic Mud	<u>1927</u> P.S.I.			

PRESSURE BREAKDOWN

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

Final Shut-In
Breakdown: 38 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				63	1011		
P 2				66	1018		
P 3				69	1025		
P 4				72	1033		
P 5				75	1042		
P 6				78	1046		
P 7				81	1050		
P 8				84	1053		
P 9				87	1056		
P10				90	1059		
P11				93	1051		
P12				96	1053		
P13				99	1054		
P14				102	1056		
P15				105	1057		
P16				108	1057		
P17				111	1057		
P18				114	1057		
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5427

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

Elevation _____ Formation MISSISSIPPI Eff. Pay _____ Ft.

District PRATT Date 5/26/80 Customer Order No. _____
COMPANY NAME AT R M PETRO. CORP.
ADDRESS 820 Guaranty Bank Bldg. 817-17th St. Kansas City, Mo. 64102
LEASE AND WELL NO. ROSTNER #1 COUNTY KINGMAN STATE KANS. Sec 25 Twp 28 Rge 6
Mail Invoice To SAME No. Copies Requested REG
Co. Name _____ Address _____
Mail Charts To SAME No. Copies Requested REG
Address _____

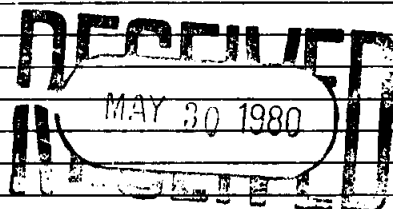
Formation Test No. 4 Interval Tested from 3902 ft. to 3912 ft. Total Depth 3912 ft.
Packer Depth 3997 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3902 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3907 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3912 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor GRAVES #1 Drill Collar Length 90 FT. I. D. 2 1/4 in.
Mud Type PREMIX-DRISPA Viscosity 46 Weight Pipe Length _____ I. D. _____ in.
Weight 9.3 Water Loss 11.8 cc. Drill Pipe Length 3684 FT. I. D. 4.0 in.
Chlorides 16,500 P.P.M. Test Tool Length 28 ft. Tool Size _____ in.
Jars: Make WTC Serial Number 3660 Anchor Length 10 ft. Size _____ in.
Did Well Flow? _____ Reversed Out _____ Surface Choke Size 1/2 in. Bottom Choke Size _____ in.
Main Hole Size 27/8 in. Tool Joint Size _____ in.

Blow: STRONG - GAS TO SURFACE IN 2 MINUTES

Recovered _____ ft. of 73.6 CFPD THROUGH 1/2 INCH ORIFICE
Recovered 150 ft. of GAS CUT MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: CHLORIDES 4500 ppm.



Time Set Packer(s) 2:45 AM Time Started Off Bottom 7:15 AM Maximum Temperature _____
Initial Hydrostatic Pressure _____ (A) 1944 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 55 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 1074 P.S.I.
Final Flow Period _____ Minutes 60 (E) 66 P.S.I. to (F) 88 P.S.I.
Final Closed In Period _____ Minutes 120 (G) 1074 P.S.I.
Final Hydrostatic Pressure _____ (H) 1944 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 of Customer or his authorized representative

Western Representative Stuart Stover
Phanker

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 300.00
Selective Zone \$ _____
Safety Joint \$ 50.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
7 Extra Charts \$ 35.00
TOTAL \$ 935.00



GAS FLOW REPORT

N^o 1748

Date 5/26/80 Ticket 5427 Company KRM PETRO Co.
 Well Name and No. KOSTNER #1 Dst No. 4 Interval Tested 3902 - 3912
 County KINGMAN State KANSAS Sec. 25 Twp. 28 Rg. 6

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
GAS TO SURFACE IN 9 MIN. PRE FLOW					
10 MIN	2 LBS	1/2 INCH			47.700 CFPD
20	3	1/2			59.200
30	4	1/2			68.800

SECOND FLOW

10 MIN	6 LBS	1/2 INCH			86.300 CFPD
20	5	1/2			78.100
30	5	1/2			78.100
40	4.5	1/2			73.600
50	4.5	1/2			73.600
60	4.5	1/2			73.600

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced 5-26-80

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 _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-80 Test Ticket No. 5427
 Recorder No. 11018 Capacity 4425 Location 3907 Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1960 P.S.I. Open Tool 2:45 PM
 B First Initial Flow Pressure 66 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 60 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1088 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 84 P.S.I. Final Closed-in Pressure 120 Mins. 120 Mins.
 F Second Final Flow Pressure 94 P.S.I.
 G Final Closed-in Pressure 1083 P.S.I.
 H Final Hydrostatic Mud 1942 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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>66</u>	0	<u>60</u>	0	<u>84</u>	0	<u>94</u>
P 2 5	<u>60</u>	3	<u>522</u>	5	<u>77</u>	3	<u>531</u>
P 3 10	<u>↑</u>	6	<u>880</u>	10	<u>↓</u>	6	<u>867</u>
P 4 15	<u>↓</u>	9	<u>967</u>	15	<u>↓</u>	9	<u>908</u>
P 5 20	<u>↓</u>	12	<u>1004</u>	20	<u>↓</u>	12	<u>949</u>
P 6 25	<u>↓</u>	15	<u>1023</u>	25	<u>77</u>	15	<u>973</u>
P 7 30	<u>60</u>	18	<u>1039</u>	30	<u>80</u>	18	<u>995</u>
P 8 35		21	<u>1050</u>	35	<u>83</u>	21	<u>1006</u>
P 9 40		24	<u>1057</u>	40	<u>86</u>	24	<u>1015</u>
P 10 45		27	<u>1064</u>	45	<u>89</u>	27	<u>1023</u>
P 11 50		30	<u>1067</u>	50	<u>91</u>	30	<u>1033</u>
P 12 55		33	<u>1069</u>	55	<u>93</u>	33	<u>1039</u>
P 13 60		36	<u>1072</u>	60	<u>94</u>	36	<u>1048</u>
P 14		39	<u>1075</u>	65		39	<u>1049</u>
P 15		42	<u>1078</u>	70		42	<u>1050</u>
P 16		45	<u>1080</u>	75		45	<u>1050</u>
P 17		48	<u>1082</u>	80		48	<u>1051</u>
P 18		51	<u>1084</u>	85		51	<u>1053</u>
P 19		54	<u>1086</u>	90		54	<u>1056</u>
P 20		57	<u>1087</u>			57	<u>1059</u>
		60	<u>1088</u>			60	<u>1063</u>

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 5427

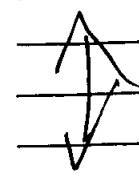
Recorder No. _____ Capacity _____ Location _____

Block No. _____ Elevation _____ Well Temperature _____

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Min.
First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Min.
Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Min.
Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Min.
Second Final Flow Pressure	P.S.I.			
Final Closed-in Pressure	P.S.I.			
Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

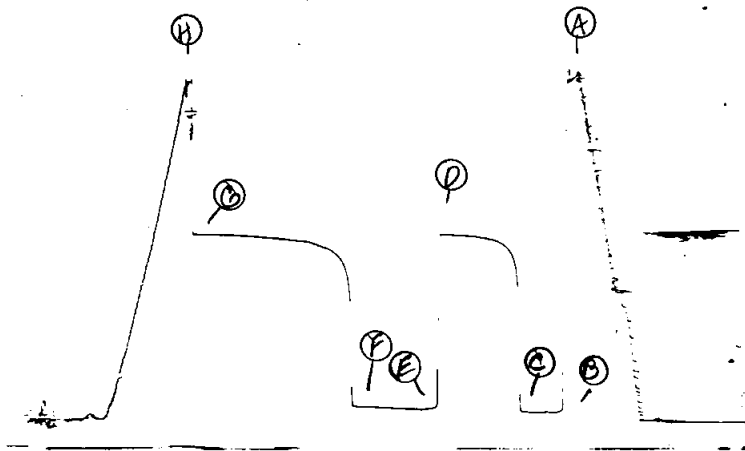
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Inches	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1		63				63	1065
2		66				66	1067
3		69				69	1069
4		72				72	1072
5		75				75	1074
6		78				78	1076
7		81				81	1078
8		84				84	1079
9		87				87	1080
10		90				90	1081
11		93				93	1081
12		96				96	1082
13		99				99	1083
14		102				102	1083
15		105				105	1083
16		108				108	
17		111				111	
18		114				114	
19		117				117	
20		120				120	1083



11018-5923

D57#4

TH #5427
I



Company KRM Petroleum Corporation Lease & Well No. Kostner #1
Elevation -- Formation Mississippi Effective Pay --- Ft. Ticket No. 5427
Date 5/26/80 Sec. 25 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by J. Copeland Landes Western Representative Stuart Stover
Formation Test No. 4 Interval Tested from 3902 ft. to 3912 ft. Total Depth 3912 ft.
Packer Depth 3997 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3902 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3907 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3912 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 90 I. D. 2 1/4 in.
Mud Type premix-driscap Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 11.8 cc. Drill Pipe Length 3684 I. D. 4.0 in.
Chlorides 16,500 CFPD P.P.M. Test Tool Length 28 ft. Tool Size - in.
Jars: Make WTC Serial Number 3660 Anchor Length 10 ft. Size - in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7 7/8 in. Tool Joint Size - in.

Blow: Strong. Gas to surface in nine minutes. See attached sheet for gas measurements.

Recovered - ft. of 73,600 CFPD through 1/2" orifice

Recovered 150 ft. of gas cut mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Chlorides 45,000 ppm

Time Set Packer(s) 2:45 ~~A.M.~~ P.M. Time Started Off Bottom 7:15 ~~A.M.~~ P.M. Maximum Temperature ?
Initial Hydrostatic Pressure 1960 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 66 P.S.I. to (C) 60 P.S.I.
Initial Closed In Period 60 Minutes (D) 1088 P.S.I.
Final Flow Period 60 Minutes (E) 84 P.S.I. to (F) 94 P.S.I.
Final Closed In Period 120 Minutes (G) 1083 P.S.I.
Final Hydrostatic Pressure 1942 P.S.I. (H)

GAS FLOW REPORT

Date 5/26/80 Ticket 5427 Company KRM Petroleum Corporation
 Well Name and No. Kostner #1 Dst No. 4 Interval Tested 3902' - 3912'
 County Kingman State Kansas Sec. 25 Twp. 28S Rg. 6W

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
Gas to surface in nine minutes. PRE FLOW						
	10 min.	2 lbs.	1/2" orifice			47,700 CFPD
	20 min.	3 lbs.	1/2" orifice			59,200 CFPD
	30 min.	4 lbs.	1/2" orifice			68,800 CFPD

SECOND FLOW

	10 min.	6 lbs.	1/2" orifice			86,300 CFPD
	20 min.	5 lbs.	1/2" orifice			78,100 CFPD
	30 min.	5 lbs.	1/2" orifice			78,100 CFPD
	40 min.	4.5 lbs.	1/2" orifice			73,600 CFPD
	50 min.	4.5 lbs.	1/2" orifice			73,600 CFPD
	60 min.	4.5 lbs.	1/2" orifice			73,600 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 5/26/80

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 1/2% per month, equal to 18% 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 KRM Petroleum Corporation

Authorized by J. Copeland Landes

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-80 Test Ticket No. 5427
Recorder No. 11018 Capacity 4425 Location 3907 Ft.
Clock No. ---- Elevation ----- Well Temperature ---- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1960 P.S.I.	Open Tool	2:45 P. M.	
B First Initial Flow Pressure	66 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	60 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1088 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	84 P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F Second Final Flow Pressure	94 P.S.I.			
G Final Closed-in Pressure	1083 P.S.I.			
H Final Hydrostatic Mud	1942 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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	66	0	60	0	84	0	94
P 2 5	60	3	522	5	77	3	537
P 3 10	60	6	880	10	77	6	867
P 4 15	60	9	967	15	77	9	909
P 5 20	60	12	1004	20	77	12	949
P 6 25	60	15	1023	25	77	15	973
P 7 30	60	18	1039	30	80	18	995
P 8		21	1050	35	83	21	1006
P 9		24	1057	40	86	24	1015
P10		27	1064	45	89	27	1023
P11		30	1067	50	91	30	1033
P12		33	1069	55	93	33	1039
P13		36	1072	60	94	36	1048
P14		39	1075			39	1049
P15		42	1078			42	1050
P16		45	1080			45	1050
P17		48	1082			48	1051
P18		51	1084			51	1053
P19		54	1086			54	1056
P20		57	1087			57	1059
		60	1088			60	1063

WESTERN TESTING CO., INC.

Pressure Data

Date 5-26-80 Test Ticket No. 5427

Recorder No. 11018 Capacity 4425 Location 3907 Ft.

Clock No. ---- Elevation ----- Well Temperature ---- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1960	P.S.I.	2:45 P.	M
B First Initial Flow Pressure	66	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	60	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1088	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	84	P.S.I.	120	Mins. 120 Mins.
F Second Final Flow Pressure	94	P.S.I.		
G Final Closed-in Pressure	1083	P.S.I.		
H Final Hydrostatic Mud	1942	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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						63	1065
P 2						66	1067
P 3						69	1069
P 4						72	1072
P 5						75	1074
P 6						78	1076
P 7						81	1078
P 8						84	1079
P 9						87	1080
P10						90	1081
P11						93	1081
P12						96	1082
P13						99	1082
P14						102	1083
P15						105	1083
P16						108	1083
P17						111	1083
P18						114	1083
P19						117	1083
P20						120	1083



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO. 5428

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

Elevation _____ Formation MISS. Eff. Pay _____ Ft.

District PRATT Date 5/27/80 Customer Order No. _____
COMPANY NAME R M PETRO CO.
ADDRESS 820 Quorum Park Bldg - 817-17th St. - Lawrence, Kan. 80202
LEASE AND WELL NO. 15052CR #1 COUNTY KINGMAN STATE KS Sec. 25 Twp. 28 Rge. 6
Mail Invoice To SAME No. Copies Requested REG
Co. Name _____ Address _____
Mail Charts To SAME No. Copies Requested REG 12
Address _____

Formation Test No. 5 Interval Tested from 3912 ft. to 3927 ft. Total Depth 3927 ft.
Packer Depth 3907 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3912 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3917 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3920 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor GRAVES Drill Collar Length 90 I. D. 2 1/4 in.
Mud Type PREPAC - DUAL PAC Viscosity 48 Weight Pipe Length _____ I. D. _____ in.
Weight 9.3 Water Loss 14.8 cc. Drill Pipe Length 3794 I. D. 4.0 in.
Chlorides 22000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 15 ft. Size 4 1/2 in.
Did Well Flow? _____ Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Reversed Out _____ Main Hole Size 2 1/8 in. Tool Joint Size 4 1/2 in.

Blow: STRONG GAS TO SURFACE IN 40 MINUTES ON
2ND FLOW - AMOUNT TO SATURN TO MISCIBLE

Recovered 210 ft. of GAS CUT MUDDY SALT WATER
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: CHLORIDES 80,000 ppm

ON LOCATION 700 PICKUP TOOL 730 OFF LOG. 400 171

Time Set Packer(s) 8:45 AM Time Started Off Bottom 1:15 PM Maximum Temperature 107°
Initial Hydrostatic Pressure _____ (A) 1977 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 66 P.S.I. to (C) 77 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 1063 P.S.I.
Final Flow Period _____ Minutes 60 (E) 100 P.S.I. to (F) 122 P.S.I.
Final Closed In Period _____ Minutes 120 (G) 1041 P.S.I.
Final Hydrostatic Pressure _____ (H) 1966 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 Stuart Stover

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 300.00
Selective Zone \$ _____
Safety Joint \$ 50.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts 15.00 \$ 35.00
TOTAL \$ 935.00

WESTERN TESTING CO., INC.

Pressure Data

Date 5-27-80 Test Ticket No. 5428
 Recorder No. 11018 Capacity 4425 Location 3912 Ft.
 Clock No. _____ Elevation _____ Well Temperature 107 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1966</u> P.S.I.	<u>8:45 A</u> M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1064</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>106</u> P.S.I.	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>117</u> P.S.I.		
G Final Closed-in Pressure	<u>1040</u> P.S.I.		
H Final Hydrostatic Mud	<u>1960</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>20</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>38</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>66</u>	0	<u>75</u>	0	<u>106</u>	0	<u>117</u>
P 2 5	<u>67</u>	3	<u>988</u>	5	<u>102</u>	3	<u>533</u>
P 3 10	<u>68</u>	6	<u>659</u>	10	<u>97</u>	6	<u>672</u>
P 4 15	<u>69</u>	9	<u>774</u>	15	<u>97</u>	9	<u>747</u>
P 5 20	<u>71</u>	12	<u>851</u>	20	<u>100</u>	12	<u>800</u>
P 6 25	<u>73</u>	15	<u>893</u>	25	<u>104</u>	15	<u>838</u>
P 7 30	<u>75</u>	18	<u>933</u>	30	<u>107</u>	18	<u>867</u>
P 8 35		21	<u>961</u>	35	<u>109</u>	21	<u>891</u>
P 9 40		24	<u>982</u>	40	<u>111</u>	24	<u>909</u>
P 10 45		27	<u>997</u>	45	<u>113</u>	27	<u>926</u>
P 11 50		30	<u>1011</u>	50	<u>115</u>	30	<u>940</u>
P 12 55		33	<u>1020</u>	55	<u>117</u>	33	<u>951</u>
P 13 60		36	<u>1031</u>	60		36	<u>957</u>
P 14		39	<u>1040</u>	65		39	<u>966</u>
P 15		42	<u>1044</u>	70		42	<u>975</u>
P 16		45	<u>1049</u>	75		45	<u>984</u>
P 17		48	<u>1054</u>	80		48	<u>992</u>
P 18		51	<u>1058</u>	85		51	<u>997</u>
P 19		54	<u>1060</u>	90		54	<u>1004</u>
P 20		57	<u>1062</u>			57	<u>1007</u>
		60	<u>1064</u>			60	<u>1012</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 5-27-80 Test Ticket No. 5428
 Recorder No. 11018 Capacity 4425 Location 3912
 Block No. _____ Elevation _____ Well Temperature 107
 Point Pressure Time Given Time Computed
 Initial Hydrostatic Mud _____ P.S.I. Open Tool 8:45-A M
 First Initial Flow Pressure _____ P.S.I. First Flow Pressure 30 Mins. M
 First Final Flow Pressure _____ P.S.I. Initial Closed-in Pressure 60 Mins. M
 Initial Closed-in Pressure _____ P.S.I. Second Flow Pressure 60 Mins. M
 Second Initial Flow Pressure _____ P.S.I. Final Closed-in Pressure 120 Mins. M
 Second Final Flow Pressure _____ P.S.I.
 Final Closed-in Pressure _____ P.S.I.
 Final Hydrostatic Mud _____ P.S.I.

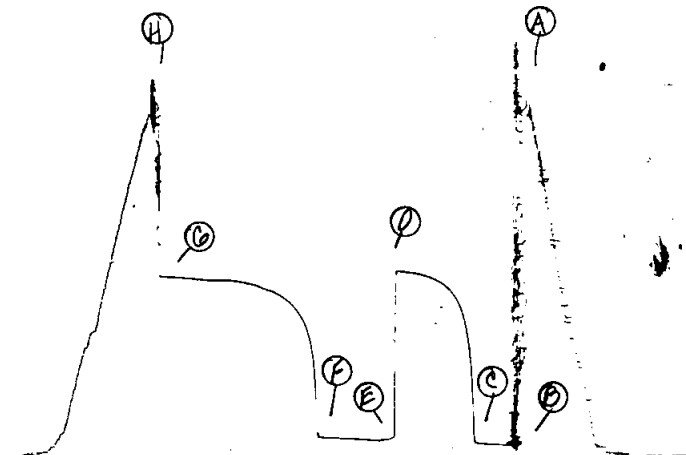
PRESSURE BREAKDOWN

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.
1		63				63	1013
2		66				66	1014
3		69				69	1015
4		72				72	1016
5		75				75	1017
6		78				78	1019
7		81				81	1020
8		84				84	1022
9		87				87	1024
10		90				90	1026
11		93				93	1028
12		96				96	1030
13		99				99	1032
14		102				102	1034
15		105				105	1036
16		108				108	1038
17		111				111	1039
18		114				114	1040
19		117				117'	
20		120				120	

11018 5428

1257 #5

TKT # 5428
I



Company <u>KRM Petroleum Corporation</u>				Lease & Well No. <u>Kostner #1</u>	
Elevation <u>--</u>		Formation <u>Mississippi</u>		Effective Pay <u>----</u> Ft. Ticket No. <u>5428</u>	
Date <u>5/27/80</u>		Sec. <u>25</u> Twp. <u>28S</u> Range <u>6W</u>		County <u>Kingman</u> State <u>Kansas</u>	
Test Approved by <u>J. Copeland Landes</u>				Western Representative <u>Stuart Stover</u>	
Formation Test No. <u>5</u>		Interval Tested from <u>3912</u> ft. to <u>3927</u> ft.		Total Depth <u>3927</u> ft.	
Packer Depth <u>3907</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft. Size <u>-</u> in.	
Packer Depth <u>3912</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft. Size <u>-</u> in.	
Depth of Selective Zone Set <u>-</u>					
Top Recorder Depth (Inside) <u>3917</u> ft.		Recorder Number <u>11018</u>		Cap. <u>4425</u>	
Bottom Recorder Depth (Outside) <u>3920</u> ft.		Recorder Number <u>11019</u>		Cap. <u>4500</u>	
Below Straddle Recorder Depth <u>-</u> ft.		Recorder Number <u>-</u>		Cap. <u>-</u>	
Drilling Contractor <u>Graves Drilling</u>				Drill Collar Length <u>90</u> I. D. <u>2 1/2</u> in.	
Mud Type <u>premix-drisc</u> Viscosity <u>48</u>				Weight Pipe Length <u>-</u> I. D. <u>-</u> in.	
Weight <u>9.3</u> Water Loss <u>14.8</u> cc.				Drill Pipe Length <u>3794</u> I. D. <u>4.0</u> in.	
Chlorides <u>27,000</u> P.P.M.				Test Tool Length <u>28</u> ft. Tool Size <u>3 1/2</u> in.	
Jars: Make <u>WTC</u> Serial Number <u>3660</u>				Anchor Length <u>15</u> ft. Size <u>4 1/2</u> in.	
Did Well Flow? <u>-</u> Reversed Out <u>-</u>				Surface Choke Size <u>1/2</u> in. Bottom Choke Size <u>1/2</u> in.	
Main Hole Size <u>7 7/8</u> in. Tool Joint Size <u>4 1/2</u> in.					
Blow: <u>Strong. Gas to surface in forty minutes on second flow. Amount too small to measure.</u>					
Recovered <u>210</u> ft. of <u>gas cut muddy salt water</u>					
Recovered <u> </u> ft. of <u> </u>					
Recovered <u> </u> ft. of <u> </u>					
Recovered <u> </u> ft. of <u> </u>					
Recovered <u> </u> ft. of <u>Chlorides 80,000 ppm</u>					
Remarks: <u> </u>					
Time Set Packer(s) <u>8:45</u> P.M. ^{A.M.}		Time Started Off Bottom <u>1:15</u> P.M. ^{A.M.}		Maximum Temperature <u>107°</u>	
Initial Hydrostatic Pressure <u>1966</u> P.S.I.		(A) <u>1966</u> P.S.I.			
Initial Flow Period <u>30</u> Minutes		(B) <u>66</u> P.S.I. to (C) <u>75</u> P.S.I.			
Initial Closed In Period <u>60</u> Minutes		(D) <u>1064</u> P.S.I.			
Final Flow Period <u>55</u> Minutes		(E) <u>106</u> P.S.I. to (F) <u>117</u> P.S.I.			
Final Closed In Period <u>114</u> Minutes		(G) <u>1040</u> P.S.I.			
Final Hydrostatic Pressure <u>1960</u> P.S.I.		(H) <u>1960</u> P.S.I.			

WESTERN TESTING CO., INC.

Pressure Data

Date 5-27-80 Test Ticket No. 5428
 Recorder No. 11018 Capacity 4425 Location 3912 Ft.
 Clock No. ---- Elevation ----- Well Temperature 107 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1966</u> P.S.I.	<u>8:45</u> A. M.	
B First Initial Flow Pressure	<u>66</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1064</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>106</u> P.S.I.	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>117</u> P.S.I.		
G Final Closed-in Pressure	<u>1040</u> P.S.I.		
H Final Hydrostatic Mud	<u>1960</u> P.S.I.		

PRESSURE BREAKDOWN

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>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>38</u> Inc. of <u>3</u> mins. and a 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>66</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>106</u>	<u>0</u>	<u>117</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>488</u>	<u>5</u>	<u>102</u>	<u>3</u>	<u>533</u>
P 3 <u>10</u>	<u>68</u>	<u>6</u>	<u>659</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>672</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>774</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>747</u>
P 5 <u>20</u>	<u>71</u>	<u>12</u>	<u>851</u>	<u>20</u>	<u>100</u>	<u>12</u>	<u>800</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>893</u>	<u>25</u>	<u>104</u>	<u>15</u>	<u>838</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>933</u>	<u>30</u>	<u>107</u>	<u>18</u>	<u>867</u>
P 8		<u>21</u>	<u>961</u>	<u>35</u>	<u>109</u>	<u>21</u>	<u>891</u>
P 9		<u>24</u>	<u>982</u>	<u>40</u>	<u>111</u>	<u>24</u>	<u>909</u>
P10		<u>27</u>	<u>997</u>	<u>45</u>	<u>113</u>	<u>27</u>	<u>926</u>
P11		<u>30</u>	<u>1011</u>	<u>50</u>	<u>115</u>	<u>30</u>	<u>940</u>
P12		<u>33</u>	<u>1020</u>	<u>55</u>	<u>117</u>	<u>33</u>	<u>951</u>
P13		<u>36</u>	<u>1031</u>			<u>36</u>	<u>957</u>
P14		<u>39</u>	<u>1040</u>			<u>39</u>	<u>966</u>
P15		<u>42</u>	<u>1044</u>			<u>42</u>	<u>975</u>
P16		<u>45</u>	<u>1049</u>			<u>45</u>	<u>984</u>
P17		<u>48</u>	<u>1054</u>			<u>48</u>	<u>992</u>
P18		<u>51</u>	<u>1058</u>			<u>51</u>	<u>997</u>
P19		<u>54</u>	<u>1060</u>			<u>54</u>	<u>1004</u>
P20		<u>57</u>	<u>1062</u>			<u>57</u>	<u>1007</u>
WTC - 4		<u>60</u>	<u>1064</u>			<u>60</u>	<u>1012</u>

Continued on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 5-27-80 Test Ticket No. 5428
 Recorder No. 11018 Capacity 4425 Location 3912 Ft.
 Clock No. ---- Elevation ----- Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1966</u> P.S.I.	Open Tool	<u>8:45</u> A. M.	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1064</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>106</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>114</u> Mins.
F Second Final Flow Pressure	<u>117</u> P.S.I.			
G Final Closed-in Pressure	<u>1040</u> P.S.I.			
H Final Hydrostatic Mud	<u>1960</u> P.S.I.			

PRESSURE BREAKDOWN

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>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>38</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1						63	1013
2						66	1014
3						69	1015
4						72	1016
5						75	1017
6						78	1019
7						81	1020
8						84	1022
9						87	1024
10						90	1026
11						93	1028
12						96	1030
13						99	1032
14						102	1034
15						105	1036
16						108	1038
17						111	1039
18						114	1040
19							
20							