WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 6320

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

Elevation 1773' K.B. Formation Swope Eff. Pay Ft.

District Pratt Date 7-24-80 Customer Order No.

COMPANY NAME KLM ~~Petro Corp~~ Petroleum Corp.

ADDRESS 817-17th Street ~~Denver Colo.~~ Suite 820 Denver Colo 80202

LEASE AND WELL NO. Hackney #1 COUNTY Comanche STATE Ks. Sec. 13 Twp. 34s Rge. 20w

Mail Invoice To Same (Co. Name) (Address) No. Copies Requested 1

Mail Charts To Same (Address) No. Copies Requested 1

Formation Test No. #1 Interval Tested from 4755 ft. to 4795 ft. Total Depth 4795 ft.

Packer Depth 4750 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4755 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4767 ft. Recorder Number 1566 Cap. 4800

Bottom Recorder Depth (Outside) 4770 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Taylor Drlg Rig #1 Drill Collar Length 304 I. D. 2.2 in.

Mud Type Mon-Pac Viscosity 59 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 10.4 cc. Drill Pipe Length 4424 I. D. 3.2 in.

Chlorides 21,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½ O.D. in.

Jars: Make W.T.C. Serial Number 407 Anchor Length 40 ft. Size 5½ O.D. in.

Did Well Flow? NO Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7⅞ in. Tool Joint Size 4" FH in.

Blow: WEAK blow dying slightly on initial flow period SI 45 min 1st open SI 60 min and SI WEAKER 2nd Open Final flow period same as initial only slightly ~~dimming~~ weaker.

Recovered 65 ft. of Drlg mud 26,000 ppm chlorides.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED JUL 28 1980

Time Set Packer(s) 10:34 A.M. P.M. Time Started Off Bottom 3:04 A.M. P.M. Maximum Temperature 117°F

Initial Hydrostatic Pressure			(A) 2438	P.S.I.		
Initial Flow Period	Minutes 30	(B) 118	P.S.I. to	(C) 129	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 140	P.S.I.			
Final Flow Period	Minutes 60	(E) 118	P.S.I. to	(F) 118	P.S.I.	
Final Closed In Period	Minutes 120	(G) 172	P.S.I.			
Final Hydrostatic Pressure		(H) 2384	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 Jlopeland Landes J Copeland Landes
Signature of Customer or his authorized representative

Western Representative Rodger Mounts
Signature

FIELD INVOICE

Open Hole Test	$	✓ 600.00
Misrun	$	
Straddle Test	$	
Jars	$	✓ 300.00
Selective Zone	$	
Safety Joint	$	✓ 50.00
Standby	$	
Evaluation	$	
Extra Packer	$	
Circ. Sub.	$	
Mileage 75	$	✓ 56.25
Fluid Sampler	$	
6 Extra Charts	$	30.00
TOTAL	$	~~1036.25~~ 1036.25

WESTERN TESTING CO., INC.

Pressure Data

Date 7-24 Test Ticket No. 6320

Recorder No. 1566 Capacity 4300 Location 4767 Ft.

Clock No. —— Elevation 1773 KB Well Temperature 112 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2439	P.S.I.	Open Tool	10:34 M	
B	First Initial Flow Pressure	114	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	103	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	121	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	108	P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F	Second Final Flow Pressure	101	P.S.I.			
G	Final Closed-in Pressure	161	P.S.I.			
H	Final Hydrostatic Mud	2391	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	114
P 2	5	102
P 3	10	102
P 4	15	102
P 5	20	103
P 6	25	103
P 7	30	103
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	103
	3	104
	6	
	9	
	12	104
	15	102
	18	
	21	
	24	
	27	
	30	
	33	102
	36	104
	39	106
	42	110
	45	114
	48	119
	51	121
	54	
	57	
	60	121

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

Point	Minutes	Press.
	0	108
	5	101
	10	
	15	
	20	
	25	
	30	
	35	
	40	
	45	
	50	
	55	
	60	101
	65	
	70	
	75	
	80	
	85	
	90	

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

Point	Minutes	Press.
	0	101
	3	101
	6	
	9	
	12	
	15	101
	18	101
	21	102
	24	102
	27	103
	30	103
	33	104
	36	106
	39	108
	42	110
	45	112
	48	114
	51	115
	54	116
	57	118
	60	119

WTC - 4

WESTERN TESTING CO., INC.
Pressure Data

ate. _____ Test Ticket No. _____

:corder No. _____ Capacity _____ Location _____ Ft.

ock No. _____ Elevation _____ Well Temperature _____ °F

oint	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.	Mins.
First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
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
Breakdown: _____ Inc.
of 5 mins. and a
final inc. of 0 Min.

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

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

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

oint ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1		63				63	120
2		66				66	121
3		69				69	122
4		72				72	124
5		75				75	125
6		78				78	127
7		81				81	129
8		84				84	131
9		87				87	133
10		90				90	135 ~~137~~ ~~139~~
11		93				93	137
12		96				96	140
13		99				99	143
14		102				102	146
15		105				105	149 ~~147~~ ~~145~~
16		108				108	151
17		111				111	154
18		114				114	157
19		117				117	159
20		120				120	161

WTC - 4

Company K. R. M. Petroleum Corporation — Lease & Well No. Hackney #1

Elevation 1773 Kelly Bushing — Formation Swope — Effective Pay ---- Ft. — Ticket No. 6320

Date 7/24/80 — Sec. 13 — Twp. 34S — Range 20W — County Comanche — State Kansas

Test Approved by J. Copeland Landes — Western Representative Roger Mounts

Formation Test No. 1 — Interval Tested from 4755 ft. to 4795 ft. — Total Depth 4795 ft.

Packer Depth 4750 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4755 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4767 ft. — Recorder Number 1566 — Cap. 4300

Bottom Recorder Depth (Outside) 4770 ft. — Recorder Number 3086 — Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Xplor Drilling Rig #1 — Drill Collar Length 304 — I. D. 2.2 in.

Mud Type Mon-Pac — Viscosity 59 — Weight Pipe Length - — I. D. - in.

Weight 9.5 — Water Loss 18.4 cc. — Drill Pipe Length 4424 — I. D. 3.2 in.

Chlorides 21,000 P.P.M. — Test Tool Length 27 ft. — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 407 — Anchor Length 40 ft. — Size 5½OD 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"FH in.

Blow: Weak blow dying slightly on initial flow period. Final flow period same as initial only slightly weaker.

Recovered 65 ft. of drilling mud — Chlorides 26,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:34 ~~A.M.~~ P.M. — Time Started Off Bottom 3:04 A.M. ~~P.M.~~ — Maximum Temperature 112°

Initial Hydrostatic Pressure			(A) 2439	P.S.I.		
Initial Flow Period	Minutes 30	(B) 114	P.S.I. to	(C) 103	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 121	P.S.I.			
Final Flow Period	Minutes 60	(E) 108	P.S.I. to	(F) 101	P.S.I.	
Final Closed In Period	Minutes 120	(G) 161	P.S.I.			
Final Hydrostatic Pressure			(H) 2391	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 7/24/80 Test Ticket No. 6320

Recorder No. 1566 Capacity 4300 Location 4767 Ft.

Clock No. ------ Elevation 1773 Kelly Bushing Well Temperature 112 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2439	P.S.I.	Open Tool	10:34 M	
B	First Initial Flow Pressure	114	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	103	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	121	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	108	P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F	Second Final Flow Pressure	101	P.S.I.			
G	Final Closed-in Pressure	161	P.S.I.			
H	Final Hydrostatic Mud	2391	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	114
P 2 5	102
P 3 10	102
P 4 15	102
P 5 20	103
P 6 25	103
P 7 30	102
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	103
3	104
6	104
9	104
12	104
15	102
18	102
21	102
24	102
27	102
30	102
33	102
36	104
39	106
42	110
45	114
48	119
51	121
54	121
57	121
60	121

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

Point Minutes	Press.
0	108
5	101
10	101
15	101
20	101
25	101
30	101
35	101
40	101
45	101
50	101
55	101
60	101

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

Point Minutes	Press.
0	101
3	101
6	101
9	101
12	101
15	101
18	101
21	102
24	102
27	103
30	103
33	104
36	106
39	108
42	110
45	112
48	114
51	115
54	116
57	118
60	119

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 7/24/80 Test Ticket No. 6320

Recorder No. 1566 Capacity 4300 Location 4767 Ft

Clock No. ------ Elevation 1773 Kelly Bushing Well Temperature 112 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2439	P.S.I.	Open Tool	10:34	M		
B	First Initial Flow Pressure	114	P.S.I.	First Flow Pressure	30	Mins.	30	Mins
C	First Final Flow Pressure	103	P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins
D	Initial Closed-in Pressure	121	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins
E	Second Initial Flow Pressure	108	P.S.I.	Final Closed-in Pressure	120	Mins.	120	Mins
F	Second Final Flow Pressure	101	P.S.I.					
G	Final Closed-in Pressure	161	P.S.I.					
H	Final Hydrostatic Mud	2391	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	120
P 2						66	121
P 3						69	122
P 4						72	124
P 5						75	125
P 6						78	127
P 7						81	129
P 8						84	131
P 9						87	133
P10						90	135
P11						93	137
P12						96	140
P13						99	143
P14						102	146
P15						105	149
P16						108	151
P17						111	154
P18						114	157
P19						117	159
P20						120	161

JKI # 6320
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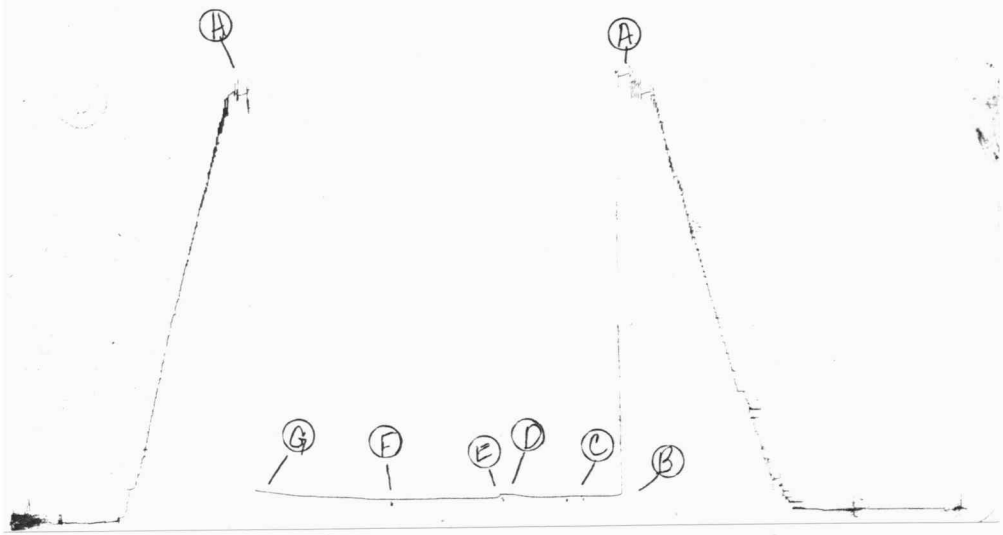

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 6601

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

Elevation _____ Formation Kansas City Eff. Pay _____ Ft.

District Pratt Date 7-26-80 Customer Order No. _____

COMPANY NAME KRM Petroleum Corp.

ADDRESS 817 17th Street Suite 820 Denver, Colorado 80202

LEASE AND WELL NO. Hackney #1 COUNTY Comanche STATE KS Sec. 13 Twp. 34S Rge. 20W

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

Mail Charts To Same No. Copies Requested Reg. (11)
Address

Formation Test No. 2 Interval Tested from 4572 ft. to 4610 ft. Total Depth 4830 ft.

Packer Depth 4567 ft. Size 6 3/4 in. Packer Depth 4610 ft. Size 6 3/4 in.

Packer Depth 4572 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4577 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4580 ft. Recorder Number 11019 Cap. 4500

Below Straddle Recorder Depth 4830 ft. Recorder Number _____ Cap. _____

Drilling Contractor XPLOR #1 Drill Collar Length 120 ft I. D. 2 1/4 in.

Mud Type MONPAC Viscosity 50 Weight Pipe Length _____ I. D. _____ in.

Weight 9.3 Water Loss 19.2 cc. Drill Pipe Length 4634 I. D. 3 1/2 in.

Chlorides 27,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 38 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: Fair blow increasing to Good blow throughout test

Recovered 1020 ft. of SALT WATER - CHLORIDES 120,000 PPM

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

RECEIVED JUL 28 1980

ON LOC - 9:30 Pickup Tool - 11:00 OFF LOC.

Time Set Packer(s) 1:30 A.M. P.M. Time Started Off Bottom 6:00 A.M. P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2300	P.S.I.	
Initial Flow Period	Minutes	30	(B)	111	P.S.I. to (C)	200 P.S.I.
Initial Closed In Period	Minutes	60	(D)	1834	P.S.I.	
Final Flow Period	Minutes	60	(E)	255	P.S.I. to (F)	366 P.S.I.
Final Closed In Period	Minutes	120	(G)	1834	P.S.I.	
Final Hydrostatic Pressure			(H)	2255	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 Maryland Landes J. Copeland Landes
Signature of Customer or his authorized representative

Western Representative Stuart Stover
Stuart Stover

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ _____
Straddle Test	$ 250.00
Jars	$ 300.00
Selective Zone	$ _____
Safety Joint	$ 50.00
Standby	$ _____
Evaluation	$ _____
Extra Packer	$ 200.00
Circ. Sub.	$ _____
Mileage	$ _____
Fluid Sampler	$ _____
6 Extra Charts 5.00	$ 30.00
TOTAL	$ 1130.00

WESTERN TESTING CO., INC.
Pressure Data

Date 7-26 Test Ticket No. 6601

Recorder No. 11018 Capacity 4425 Location 4577 Ft.

Clock No. — Elevation — Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2313	P.S.I.	Open Tool	1:30 AM	
B	First Initial Flow Pressure	133	P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C	First Final Flow Pressure	202	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1828	P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	246	P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F	Second Final Flow Pressure	364	P.S.I.			
G	Final Closed-in Pressure	1835	P.S.I.			
H	Final Hydrostatic Mud	2271	P.S.I.			

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	133
P 2	5	138
P 3	10	145
P 4	15	162
P 5	20	182
P 6	25	202
P 7	30	
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	202
3	1627
6	1716
9	1751
12	1769
15	1782
18	1793
21	1802
24	1806
27	1811
30	1815
33	1819
36	1822
39	1824
42	1825
45	1826
48	1826
51	1827
54	1827
57	1828
60	1828

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	246
5	249
10	256
15	269
20	284
25	298
30	313
35	324
40	338
45	349
50	360
55	364
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	364
3	453
6	1634
9	1733
12	1760
15	1775
18	1784
21	1793
24	1800
27	1806
30	1811
33	1813
36	1817
39	1818
42	1819
45	1819
48	1820
51	1821
54	1822
57	1823
60	1824

cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 6601

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

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

PRESSURE BREAKDOWN

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	of 3 mins. and a	of 5 mins. and a	of 3 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1825
P 2		66				66	1826
P 3		69				69	1827
P 4		72				72	1828
P 5		75				75	1828
P 6		78				78	1828
P 7		81				81	1829
P 8		84				84	1829
P 9		87				87	1830
P10		90				90	1830
P11		93				93	1831
P12		96				96	1831
P13		99				99	1832
P14		102				102	1832
P15		105				105	1833
P16		108				108	1833
P17		111				111	1834
P18		114				114	1834
P19		117				117	1835
P20		120				120	1835

Company K. R. M. Petroleum Corporation — Lease & Well No. Hackeny #1

Elevation ----- — Formation Kansas City — Effective Pay ---- Ft. — Ticket No. 6601

Date 7/26/80 — Sec. 13 — Twp. 34S — Range 20W — County Comanche — State Kansas

Test Approved by J. Copeland Landes — Western Representative Stuart Stover

Formation Test No. 2 — Interval Tested from 4572 ft. to 4610 ft. — Total Depth 4830 ft.

Packer Depth 4567 ft. — Size 6 3/4 in. — Packer Depth 4610 ft. — Size 6 3/4 in.

Packer Depth 4572 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4577 ft. — Recorder Number 11018 — Cap. 4425

Bottom Recorder Depth (Outside) 4580 ft. — Recorder Number 11019 — Cap. 4500

Below Straddle Recorder Depth 4830 ft. — Recorder Number - — Cap. -

Drilling Contractor Xplor Drilling Rig #1 — Drill Collar Length 120 — I. D. 2¼ in.

Mud Type Mon-Pac — Viscosity 50 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 19.2 cc. — Drill Pipe Length 4634 — I. D. 3½ in.

Chlorides 27,000 P.P.M. — Test Tool Length 26 ft. — Tool Size 3½ in.

Jars: Make WTC — Serial Number 3660 — Anchor Length 38 ft. — Size 4½ 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 4½ in.

Blow: Fair blow increasing to good blow throughout test.

Recovered 1020 ft. of salt water - Chlorides 120,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:30 A.M. ~~P.M.~~ — Time Started Off Bottom 6:00 A.M. ~~P.M.~~ — Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2313	P.S.I.	
Initial Flow Period	Minutes 25	(B)	133	P.S.I. to (C)	202	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1828	P.S.I.		
Final Flow Period	Minutes 55	(E)	246	P.S.I. to (F)	364	P.S.I.
Final Closed In Period	Minutes 120	(G)	1835	P.S.I.		
Final Hydrostatic Pressure		(H)	2271	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 7/26/80 Test Ticket No. 6601

Recorder No. 11018 Capacity 4425 Location 4577 Ft.

Clock No. ----- Elevation ----- Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2313 P.S.I.	Open Tool		1:30A M	
B	First Initial Flow Pressure	133 P.S.I.	First Flow Pressure		30 Mins.	25 Mins.
C	First Final Flow Pressure	202 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1828 P.S.I.	Second Flow Pressure		60 Mins.	55 Mins.
E	Second Initial Flow Pressure	246 P.S.I.	Final Closed-in Pressure		120 Mins.	120 Mins.
F	Second Final Flow Pressure	364 P.S.I.				
G	Final Closed-in Pressure	1835 P.S.I.				
H	Final Hydrostatic Mud	2271 P.S.I.				

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	133
P 2	5	138
P 3	10	149
P 4	15	162
P 5	20	182
P 6	25	202
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	202
3	1627
6	1716
9	1751
12	1769
15	1782
18	1793
21	1802
24	1806
27	1811
30	1815
33	1819
36	1922
39	1824
42	1825
45	1826
48	1826
51	1827
54	1827
57	1828
60	1828

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	246
5	249
10	256
15	269
20	284
25	298
30	313
35	324
40	338
45	349
50	360
55	364

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

Point Minutes	Press.
0	364
3	453
6	1634
9	1733
12	1760
15	1775
18	1784
21	1793
24	1800
27	1806
30	1811
33	1813
36	1817
39	1818
42	1819
45	1819
48	1820
51	1821
54	1822
57	1823
60	1824

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 7/26/80 Test Ticket No. 6601

Recorder No. 11018 Capacity 4425 Location 4577 Ft

Clock No. ----- Elevation ----- Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2313	P.S.I.	Open Tool	1:30A M	
B	First Initial Flow Pressure	133	P.S.I.	First Flow Pressure	30 Mins.	25 Mins
C	First Final Flow Pressure	202	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins
D	Initial Closed-in Pressure	1828	P.S.I.	Second Flow Pressure	60 Mins.	55 Mins
E	Second Initial Flow Pressure	246	P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins
F	Second Final Flow Pressure	364	P.S.I.			
G	Final Closed-in Pressure	1835	P.S.I.			
H	Final Hydrostatic Mud	2271	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: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1825
P 2						66	1826
P 3						69	1827
P 4						72	1828
P 5						75	1828
P 6						78	1828
P 7						81	1829
P 8						84	1829
P 9						87	1830
P10						90	1830
P11						93	1831
P12						96	1831
P13						99	1832
P14						102	1832
P15						105	1833
P16						108	1833
P17						111	1834
P18						114	1834
P19						117	1835
P20						120	1835

11018-6601

DST #2

Tkt #6601

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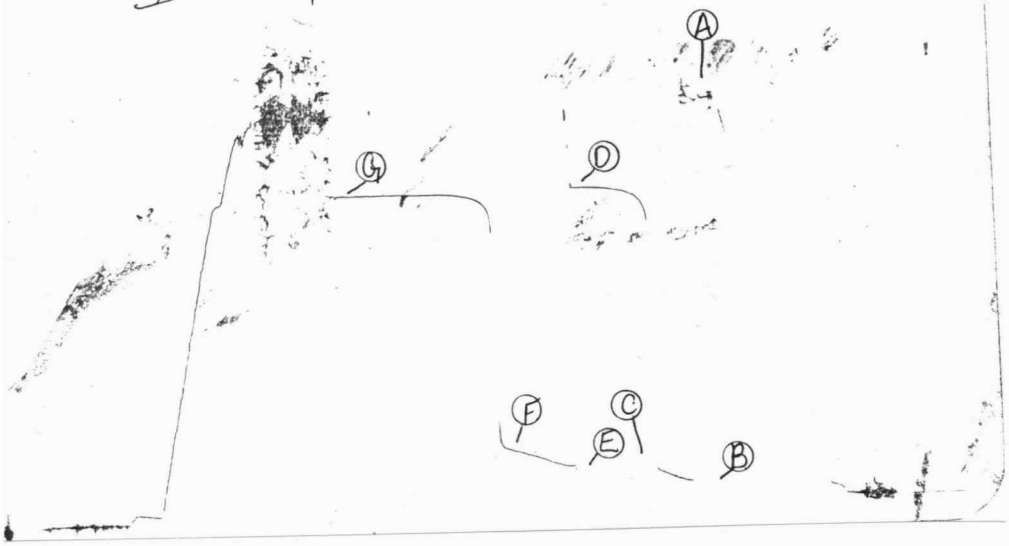

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DST # 2

Tkt #6601

Below Straddle

Test