



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 5686

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

Elevation 2405 K.B. Formation Miss. Eff. Pay Ft.

District PRATT Date 3-25-80 Customer Order No.

COMPANY NAME PICKRELL DRILLING CO.

ADDRESS

LEASE AND WELL NO. #1 BALDWIN F COUNTY CLARK STATE KS. Sec. 15 Twp. 30S Rge. 22W

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

Mail Charts To SAME Address No. Copies Requested Reg.

Formation Test No. 1 Interval Tested from 5280 ft. to 5335 ft. Total Depth 5335 ft.

Packer Depth 5275 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5280 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5294 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 5297 ft. Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor PICKRELL DRILLING #1 Drill Collar Length 210 I. D. 2.2 in.

Mud Type DRIS PAC Viscosity 56 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 24.0 cc. Drill Pipe Length 5041 I. D. 3.8 in.

Chlorides 32,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number 405 Anchor Length 290.0 + 26 ft. Size 5 1/2 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 in.

Blow: STRONG - GAS TO SURFACE 3 MIN. INITIAL FLOW PERIOD
SEE ATTACHED GAS FLOW SHEET

Recovered 170 ft. of Free oil - 99% oil - 1% W

Recovered 720 ft. of G+W CUT oil - 65% oil - 20% W - 12% W - 3% M

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Gravity 42

Time Set Packer(s) 4:55 A.M. Time Started Off Bottom 9:25 A.M. Maximum Temperature 118

Initial Hydrostatic Pressure (A) 2675 P.S.I.

Initial Flow Period 30 Minutes (B) 288 P.S.I. to (C) 202 P.S.I.

Initial Closed In Period 60 Minutes (D) 1286 P.S.I.

Final Flow Period 90 Minutes (E) 245 P.S.I. to (F) 384 P.S.I.

Final Closed In Period 90 Minutes (G) 1035 P.S.I.

Final Hydrostatic Pressure (H) 2665 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property 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 Mark A. Buss
Signature of Customer or his authorized representative

Western Representative David Sloan
Bank you

FIELD INVOICE

Open Hole Test \$ 1600.00
Misrun \$
Straddle Test \$
Jars \$ 275.00
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mudlogging \$
Fluid Sampler \$
Extra Charts \$ 25.00
TOTAL \$ 945.00



GAS FLOW REPORT

Nº 1653

Date 3-25-80 Ticket 5684 Company Pickrell Drilling Co.
 Well Name and No. #1 Baldwin F Dst No. 1 Interval Tested 5280-5335
 County Clark State Ks. Sec. 15 Twp. 30S Rg. 22W

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
PRE FLOW Gas To Surface 3 mi.					
10	10 lbs	1 1/2"			1,274,000 C.F.P.D.
20	6 lbs	1 1/2"			953,000 C.F.P.D.
30	2 lbs	1 1/2"			527,000 C.F.P.D.

SECOND FLOW

10	24 lbs	1"			817,000 C.F.P.D.
20	4 lbs	1"			283,000 C.F.P.D.
30	6	1/2"	86,300		86,300 C.F.P.D.
40	46	1/4"			83,900 C.F.P.D.
50	58	1/4"			100,900 C.F.P.D.
60	60	1/4"			103,600 C.F.P.D.
70	62	1/4"			106,400 C.F.P.D.
80	68	1/4"			114,800 C.F.P.D.
90	74	1/4"			123,100 C.F.P.D.

GAS BOTTLE

Serial No. 630 Date Bottle Filled 3-25-80 Date to be Invoiced 4-25-80

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 3-25-80 Test Ticker No. 5680
 Recorder No. 2604 Capacity 4150 Location 5294 Ft.
 Clock No. _____ Elevation 2405 KB Well Temperature 118 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2703 P.S.I. Open Tool 4:55 M
 B First Initial Flow Pressure 320 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 226 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1297 P.S.I. Second Flow Pressure 70 Mins. 85 Mins.
 E Second Initial Flow Pressure 282 P.S.I. Final Closed-in Pressure 90 Mins. 96 Mins.
 F Second Final Flow Pressure 388 P.S.I.
 G Final Closed-in Pressure 1048 P.S.I.
 H Final Hydrostatic Mud 2688 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>17</u> Inc.		Breakdown: <u>32</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	226	0	282	0	388
P 2	5	3	399	5	265	3	451
P 3	10	6	613	10	228	6	529
P 4	15	9	749	15	215	9	592
P 5	20	12	841	20	213	12	640
P 6	25	15	912	25	226	15	684
P 7	30	18	969	30	242	18	724
P 8	35	21	1021	35	265	21	753
P 9	40	24	1065	40	288	24	782
P10	45	27	1100	45	310	27	805
P11	50	30	1130	50	325	30	828
P12	55	33	1151	55	341	33	844
P13	60	36	1170	60	354	36	860
P14		39	1189	65	362	39	877
P15		42	1211	70	371	42	892
P16		45	1230	75	380	45	908
P17		48	1244	80	384	48	919
P18		51	1257	85	388	51	930
P19		54	1270			54	941
P20		57	1284			57	952
		60	1297			60	962

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 5680

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 <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 _____	_____	_____	_____	63 _____	<u>971</u>
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	<u>980</u>
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	<u>988</u>
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	<u>997</u>
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	<u>1006</u>
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	<u>1013</u>
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	<u>1020</u>
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	<u>1027</u>
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	<u>1034</u>
P10 _____	_____	90 _____	_____	_____	_____	90 _____	<u>1040</u>
P11 _____	_____	93 _____	_____	_____	_____	93 _____	<u>1044</u> 1054
P12 _____	_____	96 _____	_____	_____	_____	96 _____	<u>1048</u>
P13 _____	_____	99 _____	_____	_____	_____	99 _____	_____
P14 _____	_____	102 _____	_____	_____	_____	102 _____	_____
P15 _____	_____	105 _____	_____	_____	_____	105 _____	_____
P16 _____	_____	108 _____	_____	_____	_____	108 _____	_____
P17 _____	_____	111 _____	_____	_____	_____	111 _____	_____
P18 _____	_____	114 _____	_____	_____	_____	114 _____	_____
P19 _____	_____	117 _____	_____	_____	_____	117 _____	_____
P20 _____	_____	120 _____	_____	_____	_____	120 _____	_____

Company Pickrell Drilling Company Lease & Well No. Baldwin "F" #1
Elevation 2405 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 5686
Date 3/25/80 Sec. 15 Twp. 30S Range 22W County Clark State Kansas
Test Approved by Mike G. Russell Western Representative Dave Sloan
Formation Test No. 1 Interval Tested from 5280 ft. to 5335 ft. Total Depth 5335 ft.
Packer Depth 5275 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 5280 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5294 ft. Recorder Number 2604 Cap 4150
Bottom Recorder Depth (Outside) 5297 ft. Recorder Number 6246 Cap 5200
Below Straddle Recorder Depth - ft. Recorder Number - Cap -
Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 210 I. D. 2.2 in.
Mud Type drispac Viscosity 56 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 24.0 cc. Drill Pipe Length 5041 I. D. 3.8 in.
Chlorides 32,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 405 Anchor Length 29DC +26 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: Strong. Gas to surface three minutes. Initial flow period. See attached
sheet for gas measurements.

Recovered 170 ft. of free oil (99% oil; 1% water)
Recovered 720 ft. of gas and water cut oil (65% oil; 20% gas; 12% water; 3% mud)
Recovered - ft. of -
Recovered - ft. of Gravity 42
Recovered - ft. of -
Remarks: -

Time Set Packer(s) 4:55 A.M. Time Started Off Bottom 9:25 A.M. Maximum Temperature 118°
Initial Hydrostatic Pressure (A) 2703 P.S.I.
Initial Flow Period Minutes 30 (B) 320 P.S.I. to (C) 226 P.S.I.
Initial Closed In Period Minutes 60 (D) 1297 P.S.I.
Final Flow Period Minutes 85 (E) 282 P.S.I. to (F) 388 P.S.I.
Final Closed In Period Minutes 96 (G) 1048 P.S.I.
Final Hydrostatic Pressure (H) 2688 P.S.I.

GAS FLOW REPORT

Date 3/25/80 Ticket 5686 Company Pickrell Drilling Company
 Well Name and No. Baldwin "F" #1 Dst No. 1 Interval Tested 5280'-5335'
 County Clark State Kansas Sec. 15 Twp. 30S Rg. 22W

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 THREE MINUTES

PRE FLOW

	10 min.	10 lbs.	1½" orifice			1,274,000 CFPD
	20 min.	6 lbs.	1½" orifice			953,000 CFPD
	30 min.	2 lbs.	1½" orifice			527,000 CFPD

SECOND FLOW

	10 min.	24 lbs.	1" orifice			817,000 CFPD
	20 min.	4 lbs.	1" orifice			283,000 CFPD
	30 min.	6 lbs.	1/2" orifice			86,300 CFPD
	40 min.	46 lbs.	1/4" orifice			83,900 CFPD
	50 min.	58 lbs.	1/4" orifice			100,900 CFPD
	60 min.	60 lbs.	1/4" orifice			103,600 CFPD
	70 min.	62 lbs.	1/4" orifice			106,400 CFPD
	80 min.	68 lbs.	1/4" orifice			114,800 CFPD
	90 min.	74 lbs.	1/4" orifice			123,100 CFPD

GAS BOTTLE

Serial No. 630 Date Bottle Filled 3/25/80 Date to be Invoiced 3/25/80

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 Pickrell Drilling Company

Authorized by Mike G. Russell

WESTERN TESTING CO., INC.

Pressure Data

Date 3/25/80 Test Ticket No. 5686
 Recorder No. 2604 Capacity 4150 Location 5294 Ft.
 Clock No. ----- Elevation 2405 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2703 P.S.I.	Open Tool	4:55 M	
B First Initial Flow Pressure	320 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	226 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1297 P.S.I.	Second Flow Pressure	90 Mins.	85 Mins.
E Second Initial Flow Pressure	282 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mins.
F Second Final Flow Pressure	388 P.S.I.			
G Final Closed-in Pressure	1048 P.S.I.			
H Final Hydrostatic Mud	2688 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>17</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</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>320</u>	<u>0</u>	<u>226</u>	<u>0</u>	<u>282</u>	<u>0</u>	<u>388</u>
P 2 <u>5</u>	<u>284</u>	<u>3</u>	<u>399</u>	<u>5</u>	<u>265</u>	<u>3</u>	<u>451</u>
P 3 <u>10</u>	<u>243</u>	<u>6</u>	<u>613</u>	<u>10</u>	<u>228</u>	<u>6</u>	<u>529</u>
P 4 <u>15</u>	<u>226</u>	<u>9</u>	<u>749</u>	<u>15</u>	<u>215</u>	<u>9</u>	<u>592</u>
P 5 <u>20</u>	<u>226</u>	<u>12</u>	<u>841</u>	<u>20</u>	<u>213</u>	<u>12</u>	<u>640</u>
P 6 <u>25</u>	<u>226</u>	<u>15</u>	<u>912</u>	<u>25</u>	<u>226</u>	<u>15</u>	<u>684</u>
P 7 <u>30</u>	<u>226</u>	<u>18</u>	<u>969</u>	<u>30</u>	<u>242</u>	<u>18</u>	<u>724</u>
P 8		<u>21</u>	<u>1021</u>	<u>35</u>	<u>265</u>	<u>21</u>	<u>753</u>
P 9		<u>24</u>	<u>1065</u>	<u>40</u>	<u>288</u>	<u>24</u>	<u>782</u>
P10		<u>27</u>	<u>1100</u>	<u>45</u>	<u>310</u>	<u>27</u>	<u>805</u>
P11		<u>30</u>	<u>1130</u>	<u>50</u>	<u>325</u>	<u>30</u>	<u>828</u>
P12		<u>33</u>	<u>1151</u>	<u>55</u>	<u>341</u>	<u>33</u>	<u>844</u>
P13		<u>36</u>	<u>1170</u>	<u>60</u>	<u>354</u>	<u>36</u>	<u>860</u>
P14		<u>39</u>	<u>1189</u>	<u>65</u>	<u>362</u>	<u>39</u>	<u>877</u>
P15		<u>42</u>	<u>1211</u>	<u>70</u>	<u>371</u>	<u>42</u>	<u>892</u>
P16		<u>45</u>	<u>1230</u>	<u>75</u>	<u>380</u>	<u>45</u>	<u>908</u>
P17		<u>48</u>	<u>1244</u>	<u>80</u>	<u>384</u>	<u>48</u>	<u>919</u>
P18		<u>51</u>	<u>1257</u>	<u>85</u>	<u>388</u>	<u>51</u>	<u>930</u>
P19		<u>54</u>	<u>1270</u>			<u>54</u>	<u>941</u>
P20		<u>57</u>	<u>1284</u>			<u>57</u>	<u>952</u>
WTC - 4		<u>60</u>	<u>1297</u>			<u>60</u>	<u>962</u>

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 3/25/80 Test Ticket No. 5686

Recorder No. 2604 Capacity 4150 Location 5294 Ft.

Clock No. ----- Elevation 2405 Kelly Bushing Well Temperature 118 °F

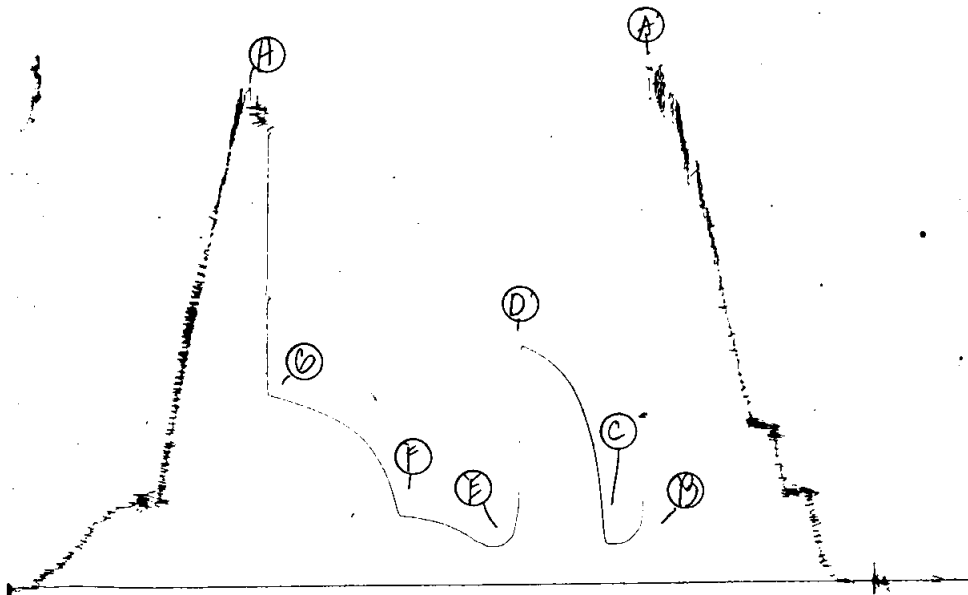
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2703 P.S.I.	Open Tool	4:55 M	
B First Initial Flow Pressure	320 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	226 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1297 P.S.I.	Second Flow Pressure	90 Mins.	85 Mins.
E Second Initial Flow Pressure	282 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mins.
F Second Final Flow Pressure	388 P.S.I.			
G Final Closed-in Pressure	1048 P.S.I.			
H Final Hydrostatic Mud	2688 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>17</u> Inc.		Breakdown: <u>32</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	971
P 2						66	980
P 3						69	988
P 4						72	997
P 5						75	1006
P 6						78	1013
P 7						81	1020
P 8						84	1027
P 9						87	1034
P10						90	1040
P11						93	1044
P12						96	1048
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TR # 5686
I

RICH KELL
#1 BAILDOWN F
D & T 1





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 5522

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation 2405 KB Formation Viola Eff. Pay Ft.District Great Bend Date 3-31-80 Customer Order No.

COMPANY NAME Pickrell Drilling Co.
ADDRESS Litwin Bldg. - Suite 205, 110 N. Market, Wichita, Kansas 67202
LEASE AND WELL NO. Baldwin 'F' #1 COUNTY Clark STATE Kansas Sec. 15 Twp. 30S Rge. 2-2W
Mail Invoice To Same as above No. Copies Requested Usual
Co. Name Address
Mail Charts To Same as above No. Copies Requested Usual
Address

Formation Test No. 2 Interval Tested from 6245 ft. to 6270 ft. Total Depth 6270 ft.
Packer Depth 6240 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 6245 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 6260 ft.
Bottom Recorder Depth (Outside) 6263 ft.
Below Straddle Recorder Depth ft.

Recorder Number 10979 Cap. 4100
Recorder Number 1563 Cap. 4200
Recorder Number Cap.

Drilling Contractor Pickrell Drilling Co. Rig #1
Mud Type Premix-Driscap Viscosity 63
Weight 9.2 Water Loss 17.6 cc.
Chlorides 26,000 P.P.M.
Jars: Make W. T. J. Serial Number 402
Did Well Flow? No Reversed Out No

Drill Collar Length 238 I. D. 2 1/4 in.
Weight Pipe Length I. D. in.
Drill Pipe Length 5988 I. D. 3.8 in.
Test Tool Length 29 ft. Tool Size 5 1/2 00 in.
Anchor Length 25 ft. Size 5 1/2 00 in.
Surface Choke Size 7/8 in. Bottom Choke Size 7/8 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow Weak blow increased to fair 4" blow by end of 1st flow period.
Weak blow increased to good 6" blow by end of 2nd flow period.

Recovered 935 ft. of Water (chlorides - 94,000 ppm)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED
APR - 3 1980

Time Set Packer(s) 11:40 A.M. Time Started Off Bottom 4:10 P.M. Maximum Temperature 130
Initial Hydrostatic Pressure (A) 3091 P.S.I.
Initial Flow Period 30 Minutes (B) 63 P.S.I. to (C) 168 P.S.I.
Initial Closed In Period 60 Minutes (D) 2144 P.S.I.
Final Flow Period 90 Minutes (E) 210 P.S.I. to (F) 399 P.S.I.
Final Closed In Period 90 Minutes (G) 2133 P.S.I.
Final Hydrostatic Pressure (H) 3060 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 Vernon Wondra

Thank You

FIELD INVOICE

Open Hole Test \$ 625.00
Misrun \$
Straddle Test \$
Jars \$ 275.00
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$ Insurance

TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

Date 8-31-80 Test Ticket No. 5522
 Recorder No. 10979 Capacity 4100 Location 6260 Ft.
 Clock No. _____ Elevation 2405 KB Well Temperature 130 °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 A Initial Hydrostatic Mud 3118 P.S.I. Open Tool 11:40 A M _____
 B First Initial Flow Pressure 70 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 172 P.S.I. Initial Closed-in Pressure 60 Mins. 63 Mins.
 D Initial Closed-in Pressure 2152 P.S.I. Second Flow Pressure 80 Mins. 90 Mins.
 E Second Initial Flow Pressure 212 P.S.I. Final Closed-in Pressure 90 Mins. 93 Mins.
 F Second Final Flow Pressure 408 P.S.I.
 G Final Closed-in Pressure 2139 P.S.I.
 H Final Hydrostatic Mud 3052 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>5021</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>31</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>70</u>	0	<u>172</u>	0	<u>212</u>	0	<u>408</u>
P 2 5	<u>70</u>	3	<u>631</u>	5	<u>212</u>	3	<u>1072</u>
P 3 10	<u>105</u>	6	<u>1490</u>	10	<u>221</u>	6	<u>1836</u>
P 4 15	<u>132</u>	9	<u>1930</u>	15	<u>235</u>	9	<u>1961</u>
P 5 20	<u>149</u>	12	<u>2010</u>	20	<u>250</u>	12	<u>2004</u>
P 6 25	<u>164</u>	15	<u>2047</u>	25	<u>263</u>	15	<u>2031</u>
P 7 30	<u>172</u>	18	<u>2061</u>	30	<u>275</u>	18	<u>2042</u>
P 8 35		21	<u>2074</u>	35	<u>289</u>	21	<u>2052</u>
P 9 40		24	<u>2088</u>	40	<u>302</u>	24	<u>2061</u>
P10 45		27	<u>2102</u>	45	<u>315</u>	27	<u>2072</u>
P11 50		30	<u>2117</u>	50	<u>327</u>	30	<u>2082</u>
P12 55		33	<u>2122</u>	55	<u>339</u>	33	<u>2088</u>
P13 60		36	<u>2127</u>	60	<u>351</u>	36	<u>2094</u>
P14		39	<u>2132</u>	65	<u>363</u>	39	<u>2099</u>
P15		42	<u>2136</u>	70	<u>375</u>	42	<u>2104</u>
P16		45	<u>2140</u>	75	<u>387</u>	45	<u>2109</u>
P17		48	<u>2142</u>	80	<u>395</u>	48	<u>2112</u>
P18		51	<u>2144</u>	85	<u>402</u>	51	<u>2115</u>
P19		54	<u>2146</u>	90	<u>408</u>	54	<u>2118</u>
P20		57	<u>2148</u>			57	<u>2121</u>
		60	<u>2150</u>			60	<u>2123</u>
		63	<u>2152</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 5522

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 <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				63	2125
P 2		66				66	2127
P 3		69				69	2129
P 4		72				72	2131
P 5		75				75	2132
P 6		78				78	2133
P 7		81				81	2135
P 8		84				84	2136
P 9		87				87	2137
P10		90				90	2138
P11		93				93	2139
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Pickrell Drilling Company Lease & Well No. Baldwin "F" #1
Elevation 2405 Kelly Bushing Viola Formation ----- Effective Pay ----- Ft. Ticket No. 5522
Date 3/31/80 Sec 15 Twp 30S Range 22W County Clark State Kansas
Test Approved by Mike G. Russell Western Representative Vernon Wondra

Formation Test No. 2 Interval Tested from 6245 ft. to 6270 ft. Total Depth 6270 ft.

Packer Depth 6240 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 6245 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 6260 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 6263 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Pickrell Drilling Co. Rig #1 Drill Collar Length 238 I. D. 2 1/4 in.

Mud Type premix-drispar Viscosity 65 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 17.6 cc. Drill Pipe Length 5988 I. D. 3.8 in.

Chlorides 26,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 420 Anchor Length 25 ft. Size 5 1/2 OD in.

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

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow increased to fair four inch blow by end of first flow period. Weak blow increased to good six inch blow by end of second flow period.

Recovered 835 ft. of water (chlorides 94,000 ppm)

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Remarks: -----

Time Set Packer(s) 11:40 A.M. Time Started Off Bottom 4:10 A.M. Maximum Temperature 130°

Initial Hydrostatic Pressure ----- (A) 3118 P.S.I.

Initial Flow Period ----- Minutes 30 (B) 70 P.S.I. to (C) 172 P.S.I.

Initial Closed In Period ----- Minutes 63 (D) 2152 P.S.I.

Final Flow Period ----- Minutes 90 (E) 212 P.S.I. to (F) 408 P.S.I.

Final Closed In Period ----- Minutes 93 (G) 2139 P.S.I.

Final Hydrostatic Pressure ----- (H) 3051 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3-31-80 Test Ticket No. 5522
 Recorder No. 10979 Capacity 4100 Location 6260 Ft.
 Clock No. --- Elevation 2405 Kelly Bushing Well Temperature 130 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	3118 P.S.I.	11:40 A. M.	
B First Initial Flow Pressure	70 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	172 P.S.I.	60 Mins.	63 Mins.
D Initial Closed-in Pressure	2152 P.S.I.	90 Mins.	90 Mins.
E Second Initial Flow Pressure	212 P.S.I.	90 Mins.	93 Mins.
F Second Final Flow Pressure	408 P.S.I.		
G Final Closed-in Pressure	2139 P.S.I.		
H Final Hydrostatic Mud	3051 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>31</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>70</u>	<u>0</u>	<u>172</u>	<u>0</u>	<u>212</u>	<u>0</u>	<u>408</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>631</u>	<u>5</u>	<u>212</u>	<u>3</u>	<u>1072</u>
P 3 <u>10</u>	<u>105</u>	<u>6</u>	<u>1490</u>	<u>10</u>	<u>221</u>	<u>6</u>	<u>1836</u>
P 4 <u>15</u>	<u>132</u>	<u>9</u>	<u>1930</u>	<u>15</u>	<u>235</u>	<u>9</u>	<u>1961</u>
P 5 <u>20</u>	<u>149</u>	<u>12</u>	<u>2010</u>	<u>20</u>	<u>250</u>	<u>12</u>	<u>2004</u>
P 6 <u>25</u>	<u>164</u>	<u>15</u>	<u>2047</u>	<u>25</u>	<u>263</u>	<u>15</u>	<u>2031</u>
P 7 <u>30</u>	<u>172</u>	<u>18</u>	<u>2061</u>	<u>30</u>	<u>275</u>	<u>18</u>	<u>2042</u>
P 8		<u>21</u>	<u>2074</u>	<u>35</u>	<u>289</u>	<u>21</u>	<u>2052</u>
P 9		<u>24</u>	<u>2088</u>	<u>40</u>	<u>302</u>	<u>24</u>	<u>2061</u>
P10		<u>27</u>	<u>2102</u>	<u>45</u>	<u>315</u>	<u>27</u>	<u>2072</u>
P11		<u>30</u>	<u>2117</u>	<u>50</u>	<u>327</u>	<u>30</u>	<u>2082</u>
P12		<u>33</u>	<u>2122</u>	<u>55</u>	<u>339</u>	<u>33</u>	<u>2088</u>
P13		<u>36</u>	<u>2127</u>	<u>60</u>	<u>351</u>	<u>36</u>	<u>2094</u>
P14		<u>39</u>	<u>2132</u>	<u>65</u>	<u>363</u>	<u>39</u>	<u>2099</u>
P15		<u>42</u>	<u>2136</u>	<u>70</u>	<u>375</u>	<u>42</u>	<u>2104</u>
P16		<u>45</u>	<u>2140</u>	<u>75</u>	<u>387</u>	<u>45</u>	<u>2109</u>
P17		<u>48</u>	<u>2142</u>	<u>80</u>	<u>395</u>	<u>48</u>	<u>2112</u>
P18		<u>51</u>	<u>2144</u>	<u>85</u>	<u>402</u>	<u>51</u>	<u>2115</u>
P19		<u>54</u>	<u>2146</u>	<u>90</u>	<u>408</u>	<u>54</u>	<u>2118</u>
P20		<u>57</u>	<u>2148</u>			<u>57</u>	<u>2121</u>
		<u>60</u>	<u>2150</u>			<u>60</u>	<u>2123</u>
		<u>63</u>	<u>2152</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date 3-31-80 Test Ticket No. 5522
 Recorder No. 10979 Capacity 4100 Location 6260 Ft.
 Clock No. --- Elevation 2405 Kelly Bushing Well Temperature 130 °F
 Point Pressure Time Given Time Computed
 1 Initial Hydrostatic Mud 3118 P.S.I. Open Tool 11:40 A. M.
 2 First Initial Flow Pressure 70 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 3 First Final Flow Pressure 172 P.S.I. Initial Closed-in Pressure 60 Mins. 63 Mins.
 4 Initial Closed-in Pressure 2152 P.S.I. Second Flow Pressure 90 Mins. 90 Mins.
 5 Second Initial Flow Pressure 212 P.S.I. Final Closed-in Pressure 90 Mins. 93 Mins.
 6 Second Final Flow Pressure 408 P.S.I.
 7 Final Closed-in Pressure 2139 P.S.I.
 8 Final Hydrostatic Mud 3051 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>21</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>31</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1						36	2125
2						66	2127
3						69	2129
4						72	2131
5						75	2132
6						78	2133
7						81	2135
8						84	2136
9						87	2137
0						90	2138
1						93	2139
2							
3							
4							
5							
6							
7							
8							
9							
0							

RL #5522
I

(H)

(A)

(G)

(D)

(F)

(E)

(C)

(B)

