



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 3771

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

WICHITA, KANSAS 67201

Elevation 1988 G.L. Formation Lansing Eff. Pay — Ft.District Great Bend Date 2-18-80 Customer Order No. —COMPANY NAME Prairie Oil Inc.ADDRESS 1786 South Seneca, Wichita, 67213LEASE AND WELL NO. Herman #1 "A" COUNTY Rush STATE Kansas Sec. 12 Twp. 16S Rge. 18WMail Invoice To Same as above No. Copies Requested 5Co. Name Same as above Address —Mail Charts To Same as above No. Copies Requested 5Address —Formation Test No. 1 Interval Tested from 3305 ft. to 3332 ft. Total Depth 3332 ft.Packer Depth 3300 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.Packer Depth 3305 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.Depth of Selective Zone Set —Top Recorder Depth (Inside) 3322 ft. Recorder Number 10979 Cap. 4100Bottom Recorder Depth (Outside) 3325 ft. Recorder Number 1563 Cap. 4200Below Straddle Recorder Depth — ft. Recorder Number — Cap. —Drilling Contractor Lawbance Drilling Co. Rig #1 Drill Collar Length — I. D. — in.Mud Type Starch-Salt-Gel Viscosity 40 Weight Pipe Length 719 I. D. 2.7 in.Weight 10.0 Water Loss 12.9 cc. Drill Pipe Length 2565 I. D. 3.8 in.Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.Jars: Make — Serial Number — Anchor Length 27 ft. Size 5 1/2 in.Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.Blow: Very weak blow died in 20 min.Recovered 10 ft. of MudRecovered — ft. of —Recovered — ft. of —Recovered — ft. of —Recovered — ft. of —Remarks: Flushed ToolRECEIVED
FEB 22 1980Time Set Packer(s) 4:55 A.M. Time Started Off Bottom 5:20 A.M. Maximum Temperature 97Initial Hydrostatic Pressure — (A) 1764 P.S.I.Initial Flow Period 2.5 Minutes (B) 10 P.S.I. to (C) 10 P.S.I.Initial Closed In Period — Minutes (D) — P.S.I.Final Flow Period — Minutes (E) — P.S.I. to (F) — P.S.I.Final Closed In Period — Minutes (G) — P.S.I.Final Hydrostatic Pressure — (H) 1733 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 WondraThank You

FIELD INVOICE

Open Hole Test \$ 500.00Misrun \$ —Straddle Test \$ —Jars \$ —Selective Zone \$ —Safety Joint \$ —Standby \$ —Evaluation \$ —Extra Packer \$ —Circ. Sub. \$ —Mileage \$ —Fluid Sampler \$ —Extra Charts \$ —TOTAL \$ 500.00

WESTERN TESTING CO., INC.

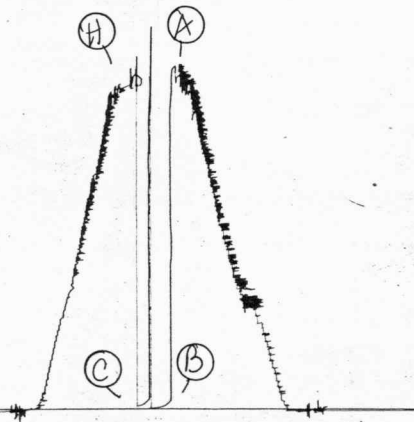
Pressure Data

Date 2-18-80 Test Ticket No. 3771
 Recorder No. 10979 Capacity 4100 Location 3322 Ft.
 Clock No. _____ Elevation 1988 ft Well Temperature 97 °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 A Initial Hydrostatic Mud 1768 P.S.I. Open Tool 4155 P M
 B First Initial Flow Pressure 17 P.S.I. First Flow Pressure 25 Mins. 25 Mins.
 C First Final Flow Pressure 15 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 1719 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> 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 0	<u>17</u>	0		0		0	
P 2 5	<u>17</u>	3		5		3	
P 3 10	<u>8</u>	6		10		6	
P 4 15	<u>4</u>	9		15		9	
P 5 20	<u>23</u>	12		20		12	
P 6 25	<u>15</u>	15		25		15	
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TKL# 3771
I



Company Prairie Oil, Inc. Lease & Well No. Herman "A" #1
Elevation 1988 Ground Level Lansing Formation Lansing Effective Pay -- Ft. Ticket No. 3771
Date 2/18/80 Sec. 12 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Ray E. Custer Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 3305 ft. to 3332 ft. Total Depth 3332 ft.
Packer Depth 3300 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3305 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3322 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3325 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --
Drilling Contractor Lawbanco Drlg. Co. Rig #1 Drill Collar Length -- I. D. -- in.
Mud Type starch-salt-Gel Viscosity 40 Weight Pipe Length 719 I. D. 2.7 in.
Weight 10.0 Water Loss 12.9 cc. Drill Pipe Length 2565 I. D. 3.8 in.
Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make -- Serial Number -- Anchor Length 27 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: Very weak blow; died in twenty minutes.

Recovered 10 ft. of mud
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --
Remarks: Flushed tool.

Time Set Packer(s) 4:55 ~~AM~~ P.M. Time Started Off Bottom 5:20 ~~AM~~ P.M. Maximum Temperature 97°
Initial Hydrostatic Pressure 1768 (A) P.S.I.
Initial Flow Period 25 Minutes (B) 17 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period -- Minutes (D) -- P.S.I.
Final Flow Period -- Minutes (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period -- Minutes (G) -- P.S.I.
Final Hydrostatic Pressure 1719 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/18/80 Test Ticket No. 3771
 Recorder No. 10979 Capacity 4100 Location 3322 Ft.
 Clock No. ---- Elevation 1988 Ground Level Well Temperature 97 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1768 P.S.I.	Open Tool	4:55P	M
B First Initial Flow Pressure	17 P.S.I.	First Flow Pressure	25 Mins.	25 Mins.
C First Final Flow Pressure	15 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	1719 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: 0 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 0 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 <u>0</u>	<u>17</u>						
P 2 <u>5</u>	<u>17</u>						
P 3 <u>10</u>	<u>8</u>						
P 4 <u>15</u>	<u>4</u>						
P 5 <u>20</u>	<u>23</u> flushed tool						
P 6 <u>25</u>	<u>15</u>						
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 3772

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

Elevation 1988 G.L. Formation K.C. "J" Eff. Pay — Ft.

District Great Bend Date 2-19-80 Customer Order No. —

COMPANY NAME Prairie Oil Inc.

ADDRESS 1786 South Seneca, Suite #3, Wichita, Kansas 67213

LEASE AND WELL NO. Herman #1 "A" COUNTY Rush STATE Kansas Sec. 12 Twp 16 Rge 18

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

Mail Charts To Same as above No. Copies Requested 5
Address

Formation Test No. 2 Interval Tested from 3433 ft. to 3460 ft. Total Depth 3460 ft.

Packer Depth 3428 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3433 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3450 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3453 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Lambance Drilg. Co. Rig #1 Drill Collar Length — I. D. — in.

Mud Type Starch, Salt, Gel Viscosity 45 Weight Pipe Length 719 I. D. 2.7 in.

Weight 10.0 Water Loss 6.8 cc. Drill Pipe Length 2693 I. D. 3.8 in.

Chlorides 77,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 27 ft. Size 5 1/2 in.

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

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

Blow: Weak blow increased to strong blow by end of 1st flow period. Weak blow increased to fair blow by end of 2nd flow period.

Recovered 80 ft. of 5 1/2" O + G.C. mdy. wtr.

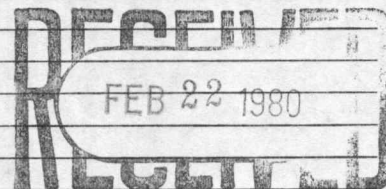
Recovered 120 ft. of 5 1/2" O + G.C. wtr.

Recovered 360 ft. of 5 1/2" G.C. Wtr. (Chlorides - 56,000 ppm)

Recovered — ft. of —

Recovered — ft. of —

Remarks: —



Time Set Packer(s) 6:15 A.M. Time Started Off Bottom 9:15 A.M. Maximum Temperature 105

Initial Hydrostatic Pressure — (A) 1856 P.S.I.

Initial Flow Period 45 Minutes (B) 31 P.S.I. to (C) 12.6 P.S.I.

Initial Closed In Period 45 Minutes (D) 1086 P.S.I.

Final Flow Period 45 Minutes (E) 168 P.S.I. to (F) 241 P.S.I.

Final Closed In Period 45 Minutes (G) 1076 P.S.I.

Final Hydrostatic Pressure — (H) 1836 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 Vernon Wondra
Signature of Customer or his authorized representative

Western Representative Vernon Wondra
Thank You

FIELD INVOICE

Open Hole Test \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —
TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

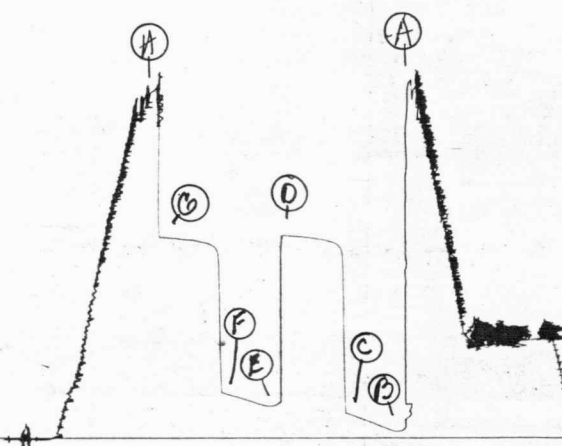
Date 2-21-80 Test Ticket No. 3772
 Recorder No. 10979 Capacity 4100 Location 3450 Ft. 2630
 Clock No. _____ Elevation 1988 ft Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1862</u>	P.S.I.	<u>6:15 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>39</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
C First Final Flow Pressure	<u>134</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1093</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>176</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>250</u>	P.S.I.		
G Final Closed-in Pressure	<u>1082</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1848</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>39</u>	0	<u>134</u>	0	<u>176</u>	0	<u>250</u>
P 2 5	<u>39</u>	3	<u>650</u>	5	<u>176</u>	3	<u>852</u>
P 3 10	<u>44</u>	6	<u>1004</u>	10	<u>176</u>	6	<u>1027</u>
P 4 15	<u>59</u>	9	<u>1043</u>	15	<u>184</u>	9	<u>1041</u>
P 5 20	<u>84</u>	12	<u>1056</u>	20	<u>198</u>	12	<u>1051</u>
P 6 25	<u>97</u>	15	<u>1062</u>	25	<u>210</u>	15	<u>1058</u>
P 7 30	<u>108</u>	18	<u>1067</u>	30	<u>223</u>	18	<u>1061</u>
P 8 35	<u>110</u>	21	<u>1071</u>	35	<u>232</u>	21	<u>1064</u>
P 9 40	<u>122</u>	24	<u>1076</u>	40	<u>241</u>	24	<u>1067</u>
P10 45	<u>134</u>	27	<u>1080</u>	45	<u>250</u>	27	<u>1070</u>
P11 50		30	<u>1084</u>	50		30	<u>1072</u>
P12 55		33	<u>1086</u>	55		33	<u>1074</u>
P13 60		36	<u>1088</u>	60		36	<u>1076</u>
P14		39	<u>1090</u>	65		39	<u>1078</u>
P15		42	<u>1092</u>	70		42	<u>1080</u>
P16		45	<u>1093</u>	75		45	<u>1082</u>
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

Kt # 3772
I



Company Prairie Oil, Inc. Lease & Well No. Herman "A" #1
 Elevation 1988 Ground Level Formation Kansas City "J" Effective Pay -- Ft. Ticket No. 3772
 Date 2/19/80 Sec. 12 Twp. 16S Range 18W County Rush State Kansas
 Test Approved by Ray E. Custer Western Representative Vernon Wondra
 Formation Test No. 2 Interval Tested from 3433 ft. to 3460 ft. Total Depth 3460 ft.
 Packer Depth 3428 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3433 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3450 ft. Recorder Number 10979 Cap. 4100
 Bottom Recorder Depth (Outside) 3453 ft. Recorder Number 1563 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Lawbanco Drlg. Co. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type starch-salt-gel Viscosity 45 Weight Pipe Length 719 I. D. 2.7 in.
 Weight 10.0 Water Loss 6.8 cc. Drill Pipe Length 2693 I. D. 3.8 in.
 Chlorides 77,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number - Anchor Length 27 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 strong lbow by end of first flow period. Weak blow increased to fair blow by end of second flow period.

Recovered 80 ft. of slightly oil and gas cut muddy water
 Recovered 120 ft. of slightly oil and gas cut water
 Recovered 360 ft. of slightly gas cut water (chlorides 56,000 ppm)
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: -

Time Set Packer(s) 6:15 ~~A.M.~~ P.M. Time Started Off Bottom 9:15 ~~A.M.~~ P.M. Maximum Temperature 105°
 Initial Hydrostatic Pressure (A) 1862 P.S.I.
 Initial Flow Period Minutes 45 (B) 39 P.S.I. to (C) 134 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1093 P.S.I.
 Final Flow Period Minutes 45 (E) 176 P.S.I. to (F) 250 P.S.I.
 Final Closed In Period Minutes 45 (G) 1082 P.S.I.
 Final Hydrostatic Pressure (H) 1848 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/21/80 Recorder No. 10979 Capacity 4100 Test Ticket No. 3772
 Location 3450 Ft. Clock No. ----- Elevation 1988 Ground Level Well Temperature -- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1862 P.S.I.	Open Tool	6:15P	M
B First Initial Flow Pressure	39 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	134 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1093 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	176 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	250 P.S.I.			
G Final Closed-in Pressure	1082 P.S.I.			
H Final Hydrostatic Mud	1848 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>39</u>	<u>0</u>	<u>134</u>	<u>0</u>	<u>176</u>	<u>0</u>	<u>250</u>
P 2 <u>5</u>	<u>39</u>	<u>3</u>	<u>650</u>	<u>5</u>	<u>176</u>	<u>3</u>	<u>852</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>1004</u>	<u>10</u>	<u>176</u>	<u>6</u>	<u>1027</u>
P 4 <u>15</u>	<u>59</u>	<u>9</u>	<u>1043</u>	<u>15</u>	<u>184</u>	<u>9</u>	<u>1041</u>
P 5 <u>20</u>	<u>74</u>	<u>12</u>	<u>1056</u>	<u>20</u>	<u>198</u>	<u>12</u>	<u>1051</u>
P 6 <u>25</u>	<u>97</u>	<u>15</u>	<u>1062</u>	<u>25</u>	<u>210</u>	<u>15</u>	<u>1058</u>
P 7 <u>30</u>	<u>108</u>	<u>8</u>	<u>1067</u>	<u>30</u>	<u>223</u>	<u>18</u>	<u>1061</u>
P 8 <u>35</u>	<u>110</u>	<u>21</u>	<u>1071</u>	<u>35</u>	<u>232</u>	<u>21</u>	<u>1064</u>
P 9 <u>40</u>	<u>122</u>	<u>24</u>	<u>1076</u>	<u>40</u>	<u>241</u>	<u>24</u>	<u>1067</u>
P10 <u>45</u>	<u>134</u>	<u>27</u>	<u>1080</u>	<u>45</u>	<u>250</u>	<u>27</u>	<u>1070</u>
P11		<u>30</u>	<u>1084</u>			<u>30</u>	<u>1072</u>
P12		<u>33</u>	<u>1086</u>			<u>33</u>	<u>1074</u>
P13		<u>36</u>	<u>1088</u>			<u>36</u>	<u>1076</u>
P14		<u>39</u>	<u>1090</u>			<u>39</u>	<u>1078</u>
P15		<u>42</u>	<u>1092</u>			<u>42</u>	<u>1080</u>
P16		<u>45</u>	<u>1093</u>			<u>45</u>	<u>1082</u>
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 3773

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

Elevation 1988 G. L. Formation Arb. Eff. Pay 2 Ft.

District Great Bend Date 2-20-80 Customer Order No.

COMPANY NAME Prairie Oil Inc.

ADDRESS 1786 South Seneca, Suite #3, Wichita, Kansas 67213

LEASE AND WELL NO. Herman "A" #1 COUNTY Rush STATE Kansas Sec. 12 Twp 16 Rge 18

Mail Invoice To Same as above No. Copies Requested 5

Co. Name Address

Mail Charts To Same as above No. Copies Requested 5

Address

Formation Test No. 3 Interval Tested from 3535 ft. to 3548 ft. Total Depth 3548 ft.

Packer Depth 3530 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3535 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3538 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3541 ft. Recorder Number 1563 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Lawhance Drilling Co. Rig #1 Drill Collar Length I. D. in.

Mud Type Starch Salt-Gel Viscosity 44 Weight Pipe Length 719 I. D. 2.7 in.

Weight 10.0 Water Loss 12.0 cc. Drill Pipe Length 2795 I. D. 3.8 in.

Chlorides 70,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 3/8 in.

Jars: Make Serial Number Anchor Length 13 ft. Size 5 3/8 in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 7/8 in. Bottom Choke Size 3/4 in.

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

Blow: Gas to surface in 10 min. (Gaged 73,400 max. CFPD)

Recovered 30 ft. of 51' O.C.M. 3% oil

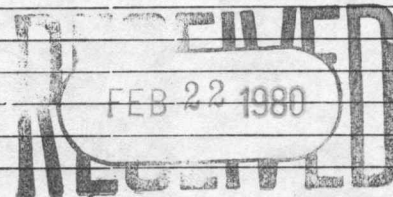
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Read Bottom chart.



Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 5:15 A.M. Maximum Temperature 100

Initial Hydrostatic Pressure (A) 1856 P.S.I.

Initial Flow Period Minutes 30 (B) 31 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 1086 P.S.I.

Final Flow Period Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 30 (G) 941 P.S.I.

Final Hydrostatic Pressure (H) 1836 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 \$ 500.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

TOTAL \$ 500.00



GAS FLOW REPORT

No 1456

Date 2-20-80 Ticket 3773 Company Prairie Oil Inc.
 Well Name and No. Herman A-#1 Dst No. 3 Interval Tested 3535-48
 County Rush State Kansas Sec. 12 Twp. 16 Rg. 18

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 in 10 min

10 min	62 H ₂ O	1/4"			62,500 CFPD
20 min	78 H ₂ O	1/4"			73,400 CFPD

SECOND FLOW

10 min	32 H ₂ O	1/2"			35,500 CFPD
20 min	6 H ₂ O	1/2"			15,400 CFPD
30 min	18 H ₂ O	1/4"			7,120 CFPD

GAS BOTTLE

Serial No. 630 Date Bottle Filled 2-20-80 Date to be Invoiced 2-20-80

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 Rep.

WESTERN TESTING CO., INC.

Pressure Data

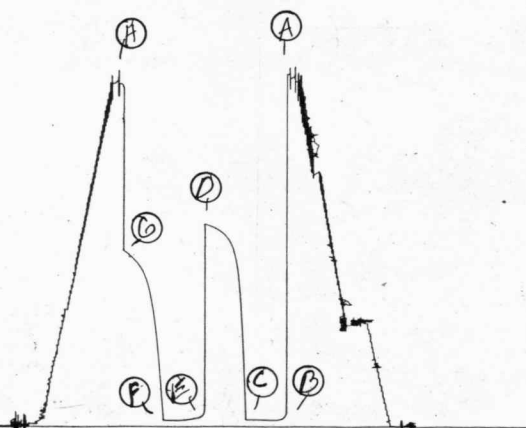
Date 2-20-80 Test Ticket No. 3773
 Recorder No. 10977 1563 Capacity 4200 Location 35041 Ft.
 Clock No. _____ Elevation 1988 ± Well Temperature 100 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1907</u> P.S.I.	<u>3:15 P</u> M	
B First Initial Flow Pressure	<u>39</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>39</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1116</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>33</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>970</u> P.S.I.		
H Final Hydrostatic Mud	<u>1882</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>33</u>
P 2	<u>5</u>	<u>3</u>	<u>420</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>334</u>
P 3	<u>10</u>	<u>6</u>	<u>740</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>549</u>
P 4	<u>15</u>	<u>9</u>	<u>913</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>694</u>
P 5	<u>20</u>	<u>12</u>	<u>989</u>	<u>20</u>	<u>1</u>	<u>12</u>	<u>789</u>
P 6	<u>25</u>	<u>15</u>	<u>1036</u>	<u>25</u>	<u>1</u>	<u>15</u>	<u>852</u>
P 7	<u>30</u>	<u>18</u>	<u>1065</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>889</u>
P 8	<u>35</u>	<u>21</u>	<u>1086</u>	<u>35</u>		<u>21</u>	<u>919</u>
P 9	<u>40</u>	<u>24</u>	<u>1099</u>	<u>40</u>		<u>24</u>	<u>945</u>
P 10	<u>45</u>	<u>27</u>	<u>1110</u>	<u>45</u>		<u>27</u>	<u>960</u>
P 11	<u>50</u>	<u>30</u>	<u>1116</u>	<u>50</u>		<u>30</u>	<u>970</u>
P 12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	
P 13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P 14		<u>39</u>		<u>65</u>		<u>39</u>	
P 15		<u>42</u>		<u>70</u>		<u>42</u>	
P 16		<u>45</u>		<u>75</u>		<u>45</u>	
P 17		<u>48</u>		<u>80</u>		<u>48</u>	
P 18		<u>51</u>		<u>85</u>		<u>51</u>	
P 19		<u>54</u>		<u>90</u>		<u>54</u>	
P 20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TKL# 3773



Company Prairie Oil Inc. Lease & Well No. Herman "A" #1
Elevation 1988 Ground Level Formation Arbuckle Effective Pay -- Ft. Ticket No. 3773
Date 2/20/80 Sec. 12 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Ray E. Custer Western Representative Vernon Wondra

Formation Test No. 3 Interval Tested from 3535 ft. to 3548 ft. Total Depth 3548 ft.

Packer Depth 3530 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3535 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3538 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3541 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Lawbanco Drlg.Co. Rig #1 Drill Collar Length -- I. D. -- in.

Mud Type starch-salt-gel Viscosity 44 Weight Pipe Length 719 I. D. 2.7 in.

Weight 10.0 Water Loss 12.0 cc. Drill Pipe Length 2795 I. D. 3.8 in.

Chlorides 70,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 13 ft. Size 5 1/2 OD in.

Did Well Flow? Yes 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: Gas to surface in ten minutes. See attached sheet for gas measurements.

Recovered 30 ft. of slightly oil cut mud 3% oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of READ BOTTOM CHART

Remarks:

Time Set Packer(s) 3:15 ~~AM~~ P.M. Time Started Off Bottom 5:15 ~~AM~~ P.M. Maximum Temperature 100°

Initial Hydrostatic Pressure (A) 1907 P.S.I.

Initial Flow Period Minutes 30 (B) 39 P.S.I. to (C) 39 P.S.I.

Initial Closed In Period Minutes 30 (D) 1116 P.S.I.

Final Flow Period Minutes 30 (E) 47 P.S.I. to (F) 33 P.S.I.

Final Closed In Period Minutes 30 (G) 970 P.S.I.

Final Hydrostatic Pressure (H) 1882 P.S.I.

GAS FLOW REPORT

Date 2/20/80 Ticket 3773 Company Prairie Oil, Inc.
 Well Name and No. Herman "A" #1 Dst No. 3 Interval Tested 3535-3548'
 County Rush State Kansas Sec. 12 Twp. 16S Rg. 18W

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

	10 min.	62" of	water	1/4" orifice		62,500 C.F.P.D.
	20 min.	78" of	water	1/4" orifice		73,400 C.F.P.D.

SECOND FLOW

	10 min.	32" of	water	1/4" orifice		35,5000 C.F.P.D.
	20 min.	6" of	water	1/4" orifice		15,400 C.F.P.D.
	30 min.	18" of	water	1/4" orifice		7,120 C.F.P.D.

GAS BOTTLE

Serial No. 630 Date Bottle Filled 2-20-80 Date to be Invoiced 2-20-80

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 Prairie Oil Inc.

Authorized by Ray E. Custer

WESTERN TESTING CO., INC.

Pressure Data

Date 2/20/80 Recorder No. 1563 Capacity 4200 Test Ticket No. 3773
 Location 3541 Ft. 100
 Clock No. ----- Elevation 1988 Ground Level Well Temperature ----- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1907 P.S.I.	Open Tool	3:15P M	
B First Initial Flow Pressure	39 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	39 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1116 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	47 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	33 P.S.I.			
G Final Closed-in Pressure	970 P.S.I.			
H Final Hydrostatic Mud	1882 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>39</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>33</u>
P 2 <u>5</u>	<u>39</u>	<u>3</u>	<u>420</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>334</u>
P 3 <u>10</u>	<u>39</u>	<u>6</u>	<u>740</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>549</u>
P 4 <u>15</u>	<u>39</u>	<u>9</u>	<u>913</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>694</u>
P 5 <u>20</u>	<u>39</u>	<u>12</u>	<u>989</u>	<u>20</u>	<u>33</u>	<u>12</u>	<u>789</u>
P 6 <u>25</u>	<u>39</u>	<u>15</u>	<u>1036</u>	<u>25</u>	<u>33</u>	<u>15</u>	<u>852</u>
P 7 <u>30</u>	<u>39</u>	<u>18</u>	<u>1065</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>889</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1086</u>	<u> </u>	<u> </u>	<u>21</u>	<u>919</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1099</u>	<u> </u>	<u> </u>	<u>24</u>	<u>945</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1110</u>	<u> </u>	<u> </u>	<u>27</u>	<u>960</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1116</u>	<u> </u>	<u> </u>	<u>30</u>	<u>970</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 3774

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

Elevation 1988 G.L. Formation Arb. Eff. Pay — Ft.

District Great Bend Date 2-21-80 Customer Order No. —

COMPANY NAME Prairie Oil Inc.

ADDRESS 1786 South Seneca, Suite #3, Wichita, Kansas 67213

LEASE AND WELL NO. Herman "A" #1 COUNTY Rush STATE Kansas Sec. 12 Twp 16 Rge 18

Mail Invoice To Same as above No. Copies Requested 5

Co. Name — Address —

Mail Charts To Same as above No. Copies Requested 5

Address —

Formation Test No. 4 Interval Tested from 3546 ft. to 3553 ft. Total Depth 3553 ft.

Packer Depth 3541 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3546 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3531 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3547 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Lawbance Drilling Co. Rig #1 Drill Collar Length — I. D. — in.

Mud Type Starchy Salt-Gel Viscosity 41 Weight Pipe Length 719 I. D. 2.7 in.

Weight 10.0 Water Loss 12.0 cc. Drill Pipe Length 2801 I. D. 3.8 in.

Chlorides 70,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 7 ft. Size 5 1/2 in.

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

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

Blow: —

Recovered 250 ft. of Mud

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Remarks: No seat for packers. Reset packers one time

Time Set Packer(s) 3:30 A.M. Time Started Off Bottom 1895 P.M. Maximum Temperature —

Initial Hydrostatic Pressure — (A) 1895 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) — P.S.I.

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

Final Hydrostatic Pressure — (H) 1816 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

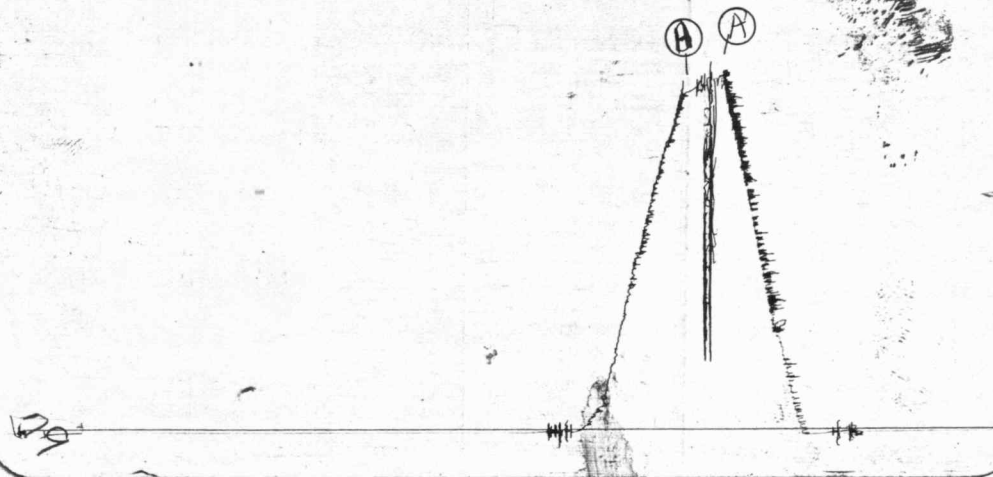
FIELD INVOICE

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

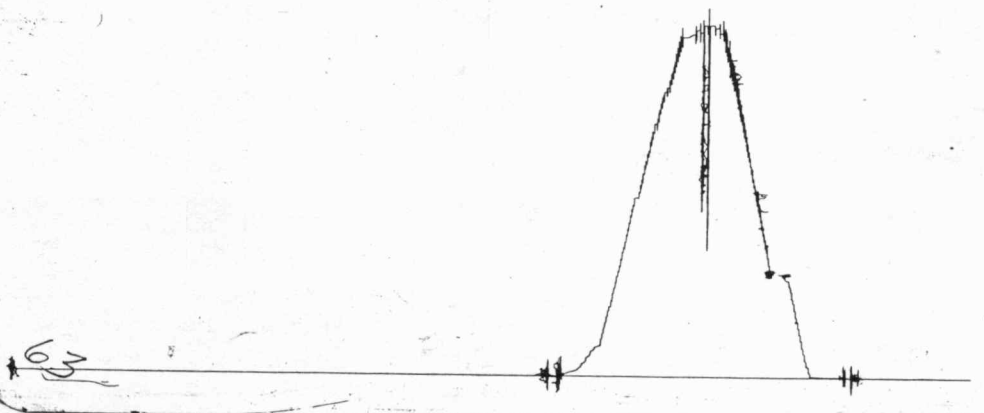
TOTAL \$ 275.00

RECEIVED
FEB 22 1980

Rt# 3774
I



Rt# 3774
O



Company Prairie Oil, Inc. Lease & Well No. Herman "A" #1
Elevation 1988 Ground Level Formation Arbuckle Effective Pay --- Ft. Ticker No. 3774
Date 2/21/80 Sec. 12 Twp. 16S Range 18W County Rush State Vernon Wondra
Test Approved by Ray E. Custer Western Representative Vernon Wondra

Formation Test No. 4 Interval Tested from 3546 ft. to 3553 ft. Total Depth 3553 ft.

Packer Depth 3541 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3546 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3531 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3547 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Lawbanc Co. Drlg. Co. Rig # 1 Drill Collar Length - I. D. - in.

Mud Type starch-salt-gel Viscosity 41 Weight Pipe Length 719 I. D. 2.7 in.

Weight 10.0 Water Loss 12.0 cc. Drill Pipe Length 2801 I. D. 3.8 in.

Chlorides 70,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number - Anchor Length 7 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: _____

Recovered 250 ft. of mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____ MISRUN

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: NO SEAT FOR PACKERS. RESET PACKERS ONE TIME.

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) 1895 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) -- P.S.I.

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

Final Hydrostatic Pressure _____ (H) 1816 P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 3775

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

Elevation 1988 G.L. Formation Arb. Eff. Pay — Ft.

District Great Bend Date 2-21-80 Customer Order No. —

COMPANY NAME Prairie Oil Inc.

ADDRESS 1786 South Seneca, Suite #3, Wichita, Kansas 67213

LEASE AND WELL NO. Herman "A" #1 COUNTY Rush STATE Kansas Sec. 12 Twp 16 Rge 18

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

Mail Charts To Same as above Address No. Copies Requested 5

Formation Test No. 5 Interval Tested from 3535 ft. to 3553 ft. Total Depth 3553 ft.
Packer Depth 3548 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 3553 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3543 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3546 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Lawbancro Drilling Co. Rig #1
Mud Type Starch, Salt-Gel Viscosity 40
Weight 10.0 Water Loss 12.0 cc.
Chlorides 70,000 P.P.M.
Jars: Make — Serial Number —
Did Well Flow? Yes Reversed Out No
Drill Collar Length — I. D. — in.
Weight Pipe Length 719 I. D. 2.7 in.
Drill Pipe Length 2795 I. D. 3.8 in.
Test Tool Length 21 ft. Tool Size 5 3/8 in.
Anchor Length 18 ft. Size 5 3/8 in.
Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 3/4 in.

Blow: Gas to surface in 13 min

Recovered 190 ft. of O.G.C. mud 30% gas 17% oil 3% water 50% mud
Recovered 60 ft. of Heavy O.G.C. mud 15% gas 50% oil 18% water 17% mud
Recovered — ft. of
Recovered — ft. of
Recovered — ft. of

Remarks:

Time Set Packer(s) 7:05 A.M. Time Started Off Bottom 9:05 A.M. Maximum Temperature 110
Initial Hydrostatic Pressure (A) 1918 P.S.I.
Initial Flow Period Minutes 30 (B) 42 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period Minutes 30 (D) 920 P.S.I.
Final Flow Period Minutes 30 (E) 73 P.S.I. to (F) 84 P.S.I.
Final Closed In Period Minutes 30 (G) 900 P.S.I.
Final Hydrostatic Pressure (H) 1887 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 \$ 500.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mud Sampler \$
Extra Charts \$

TOTAL \$ 500.00

RECEIVED
FEB 22 1980

Phone 316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 1457

Date 2-21-80 Ticket 3775 Company Prairie Oil Inc
Well Name and No. Herman "A" #1 Dst No. 5 Interval Tested 3535-3553
County Rush State Kansas Sec. 12 Twp. 16 Rg. 18

[illegible]

SECOND FLOW

[illegible]

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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

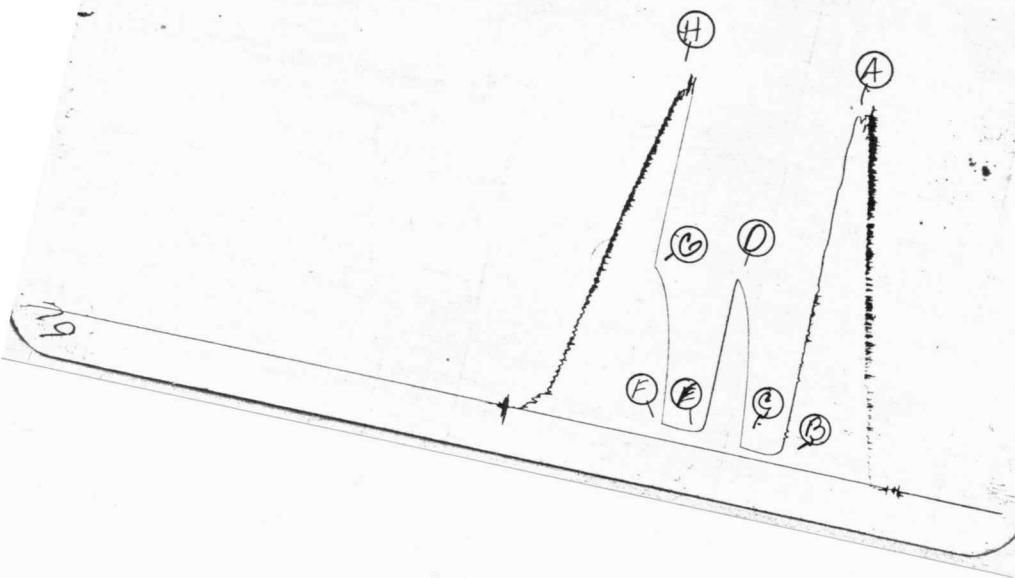
Date 2-21-80 Test Ticket No. 3775
 Recorder No. 10979 Capacity 4100 Location 3543 Ft.
 Clock No. _____ Elevation 1988 ± Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1809</u> P.S.I.	Open Tool	<u>7:05 A</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>931</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>85</u> P.S.I.			
G Final Closed-in Pressure	<u>900</u> P.S.I.			
H Final Hydrostatic Mud	<u>1891</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>48</u>	0	<u>52</u>	0	<u>82</u>	0	<u>85</u>
P 2 5	<u>48</u>	3	<u>254</u>	5	<u>82</u>	3	<u>267</u>
P 3 10	<u>41</u>	6	<u>404</u>	10	<u>79</u>	6	<u>422</u>
P 4 15	<u>42</u>	9	<u>535</u>	15	<u>76</u>	9	<u>540</u>
P 5 20	<u>44</u>	12	<u>642</u>	20	<u>79</u>	12	<u>629</u>
P 6 25	<u>49</u>	15	<u>731</u>	25	<u>83</u>	15	<u>710</u>
P 7 30	<u>52</u>	18	<u>829</u>	30	<u>85</u>	18	<u>767</u>
P 8 35		21 <u>844</u>	800	35		21	<u>813</u>
P 9 40		24	<u>883</u>	40		24	<u>850</u>
P10 45		27	<u>915</u>	45		27	<u>879</u>
P11 50		30	<u>931</u>	50		30	<u>900</u>
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TK# 3775
I



Company Prairie Oil Inc. Lease & Well No. Herman "A" #1
Elevation 1988 Ground Level Formation Arbuckle Effective Pay - Ft. Ticket No. 3775
Date 2-21-80 Sec. 12 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Roy Custer Western Representative Vernon Wondra
Formation Test No. 5 Interval Tested from 3535 ft. to 3553 ft. Total Depth 3553 ft.
Packer Depth 3548 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3553 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3543 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3546 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number = Cap. -
Drilling Contractor Lawbanco Drlg. Co. (#1) Drill Collar Length - I. D. - in.
Mud Type Starch-Salt-Gel Viscosity 40 Weight Pipe Length 719 I. D. 2.7 in.
Weight 10.0 Water Loss 12.0 cc. Drill Pipe Length 2795 I. D. 3.8 in.
Chlorides 70,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 18 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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: Gas to surface in 13 minutes. See attached sheet for gas measurements.

Recovered 190 ft. of oil and gas cut mud (30% gas, 17% oil, 3% water, 50% mud)
Recovered 60 ft. of heavy oil and gas cut mud (15% gas, 50% oil, 18% water, 17% mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 7:05 ~~PM~~ ^{AM.} Time Started Off Bottom 9:05 ~~PM~~ ^{AM.} Maximum Temperature 110
Initial Hydrostatic Pressure 1909 P.S.I.
Initial Flow Period 30 Minutes (B) 48 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period 30 Minutes (D) 931 P.S.I.
Final Flow Period 30 Minutes (E) 82 P.S.I. to (F) 85 P.S.I.
Final Closed In Period 30 Minutes (G) 900 P.S.I.
Final Hydrostatic Pressure 1891 P.S.I.

GAS FLOW REPORT

Date 2-21-80 Ticket 3775 Company Prairie Oil Inc.
 Well Name and No. Herman "A" #1 Dst No. 5 Interval Tested 3535' - 3553'
 County Rush State Kansas Sec. 12 Twp. 16S Rg. 18W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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						
	10 min.	32"	of water	1/4"	orifice	9,500 C.F.P.D.
	17 min.	28"	of water	1/4"	orifice	8,890 C.F.P.D.

SECOND FLOW						
	10 min.	34"	of water	1/4"	orifice	9,790 C.F.P.D.
	20 min.	12"	of water	1/4"	orifice	5,860 C.F.P.D.
	30 min.	12"	of water	1/4"	orifice	5,860 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

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 Prairie Oil Inc.

Authorized by Roy E. Custer

WESTERN TESTING CO., INC.

Pressure Data

Date 2/21/80 Test Ticket No. 3775

Recorder No. 10979 Capacity 4100 Location 3543 Ft.

Clock No. ----- Elevation 1988 Ground Level Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1909</u> P.S.I.	Open Tool	<u>7:05A</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>931</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>85</u> P.S.I.			
G Final Closed-in Pressure	<u>900</u> P.S.I.			
H Final Hydrostatic Mud	<u>1891</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>48</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>85</u>
P 2 <u>5</u>	<u>48</u>	<u>3</u>	<u>254</u>	<u>5</u>	<u>82</u>	<u>3</u>	<u>267</u>
P 3 <u>10</u>	<u>41</u>	<u>6</u>	<u>404</u>	<u>10</u>	<u>79</u>	<u>6</u>	<u>422</u>
P 4 <u>15</u>	<u>42</u>	<u>9</u>	<u>535</u>	<u>15</u>	<u>76</u>	<u>9</u>	<u>540</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>642</u>	<u>20</u>	<u>79</u>	<u>12</u>	<u>629</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>731</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>710</u>
P 7 <u>30</u>	<u>52</u>	<u>18</u>	<u>829</u>	<u>30</u>	<u>85</u>	<u>18</u>	<u>767</u>
P 8		<u>21</u>	<u>844</u>			<u>21</u>	<u>813</u>
P 9		<u>24</u>	<u>883</u>			<u>24</u>	<u>850</u>
P10		<u>27</u>	<u>915</u>			<u>27</u>	<u>879</u>
P11		<u>30</u>	<u>931</u>			<u>30</u>	<u>900</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							