

Company Eagle Petroleum Corporation Lease & Well No. Welli #1
 Elevation -- Formation Chase Effective Pay -- Ft. Ticket No. 3979
 Date 10/1/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by Don F. Moore Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 2092 ft. to 2137 ft. Total Depth 2137 ft.
 Packer Depth 2087 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2092 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2127 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 2130 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B. & N. Drilling Rig #15 Drill Collar Length 430 I. D. 2 1/4 in.
 Mud Type water Viscosity 39 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss NC cc. Drill Pipe Length 1633 I. D. 3.8 in.
 Chlorides 59,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 410 Anchor Length 45 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, increased to fair blow on first flow period. Strong blow throughout second flow period.

Recovered 70 ft. of slightly gas cut mud
 Recovered 60 ft. of watery mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 10:15 A.M. Time Started Off Bottom 12:15 A.M. Maximum Temperature 88
=P.M. P.M.
 Initial Hydrostatic Pressure 1083 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 49 P.S.I. to (C) 57 P.S.I.
 Initial Closed In Period 30 Minutes (D) 536 P.S.I.
 Final Flow Period 30 Minutes (E) 92 P.S.I. to (F) 82 P.S.I.
 Final Closed In Period 33 Minutes (G) 492 P.S.I.
 Final Hydrostatic Pressure 1060 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 10/ 1/79 Test Ticket No. 3979
 Recorder No. 2607 Capacity 4150 Location 2127 Ft.
 Clock No. -- Elevation -- Well Temperature 88 °F

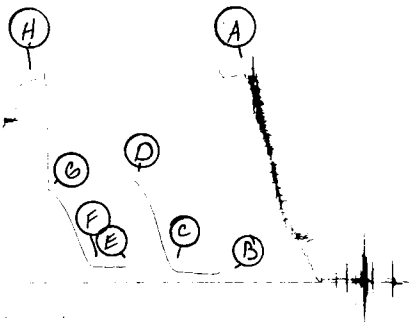
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1083 P.S.I.	Open Tool	10:15A	M
B First Initial Flow Pressure	49 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	57 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	536 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	92 P.S.I.	Final Closed-in Pressure	30 Mins.	33 Mins.
F Second Final Flow Pressure	82 P.S.I.			
G Final Closed-in Pressure	492 P.S.I.			
H Final Hydrostatic Mud	1060 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>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	49	0	57	0	92	0	82
P 2	5	45	3	61	5	86	3	92
P 3	10	44	6	84	10	82	6	129
P 4	15	47	9	133	15	82	9	177
P 5	20	50	12	194	20	82	12	233
P 6	25	53	15	269	25	82	15	288
P 7	30	57	18	343	30	82	18	337
P 8			21	402			21	382
P 9			24	451			24	416
P10			27	490			27	449
P11			30	536			30	473
P12							33	492
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

TRK# 3979
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 3979

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

Elevation _____ Formation Chase Eff. Pay _____ Ft.

OR - District Pratt Date 10/1/79 Customer Order No. -

COMPANY NAME Eagle Petroleum Corp.

ADDRESS 1400 Douglas Bldg

LEASE AND WELL NO. Well # 1 COUNTY Pratt STATE Ks Sec. 7 Twp. 28S Rge. 13W

Mail Invoice To Same Well # 1 No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2092 ft. to 2137 ft. Total Depth 2137 ft.
Packer Depth 2087 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2092 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 2127 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 2130 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B*N Orig Rig #15 Drill Collar Length 430 I. D. 2 1/2 in.
Mud Type Water Viscosity 39 Weight Pipe Length - I. D. - in.
Weight 9.8 Water Loss NC cc. Drill Pipe Length 1633 I. D. 3.8 in.
Chlorides 59,000 P.P.M. Test Tool Length 29 ft. Tool Size 5500 in.
Jars: Make WTC Serial Number 410 Anchor Length 45 ft. Size 5500 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increased to fair blow on first flow period
Strong blow throughout second flow period

Recovered 70 ft. of Sli Gas Cut Mud
Recovered 60 ft. of Watery Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Table with 4 columns: Time Set Packer(s), AM/PM, Time Started Off Bottom, Maximum Temperature. Rows include Initial Hydrostatic Pressure, Initial Flow Period, Initial Closed In Period, Final Flow Period, Final Closed In Period, Final Hydrostatic Pressure.

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 Jim Wonda Thank You

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 0-10-1-79 Test Ticket No. 2979
 Recorder No. 2607 Capacity 4150 Location 2127 Ft.
 Clock No. _____ Elevation _____ Well Temperature 88 °F

Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1083</u> P.S.I.	<u>10:15 AM</u>	
B. First Initial Flow Pressure	<u>49</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>57</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>536</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E. Second Initial Flow Pressure	<u>92</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F. Second Final Flow Pressure	<u>82</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
G. Final Closed-in Pressure	<u>492</u> P.S.I.		
H. Final Hydrostatic Mud	<u>1060</u> P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
	final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>49</u>	0	<u>57</u>	0	<u>92</u>	0	<u>82</u>	
P 2	<u>45</u>	3	<u>61</u>	3	<u>86</u>	3	<u>92</u>	
P 3	<u>44</u>	6	<u>84</u>	6	<u>82</u>	6	<u>129</u>	
P 4	<u>47</u>	9	<u>133</u>	9		9	<u>177</u>	
P 5	<u>50</u>	12	<u>194</u>	12		12	<u>233</u>	
P 6	<u>53</u>	15	<u>269</u>	15		15	<u>288</u>	
P 7	<u>57</u>	18	<u>343</u>	18	<u>82</u>	18	<u>337</u>	
P 8		21	<u>402</u>	21		21	<u>382</u>	
P 9		24	<u>451</u>	24		24	<u>416</u>	
P 10		27	<u>490</u>	27		27	<u>449</u>	
P 11		30	<u>536</u>	30		30	<u>473</u>	
P 12		33		33		33	<u>492</u>	
P 13		36		36		36		
P 14		39		39		39		
P 15		42		42		42		
P 16		45		45		45		
P 17		48		48		48		
P 18		51		51		51		
P 19		54		54		54		
P 20		57		57		57		
		60		60		60		

Company Eagle Petroleum Corporation Lease & Well No. Welli #1
 Elevation -- Formation Red Eagle Effective Pay -- Ft. Ticket No. 3423
 Date 10/2/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by Don F. Moore Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 2700 ft. to 2730 ft. Total Depth 2730 ft.

Packer Depth 2695 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2700 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2722 ft. Recorder Number 6246 Cap. 5200

Bottom Recorder Depth (Outside) 2725 ft. Recorder Number 5673 Cap. 5400

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

Drilling Contractor B. & N. Drilling Rig #15 Drill Collar Length 491 I. D. 2.2 in.

Mud Type gel Viscosity 32 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss - cc. Drill Pipe Length 2187 I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 30 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: _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____ MISRUN

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____ TORE UP BOTTOM PACKER

Remarks: SLID TOOL TWENTY FEET WHILE TOOL WAS OPEN: STILL LACAKED FIVE FEET OF BEING ON BOTTOM.

Time Set Packer(s) 5:43 ~~A.M.~~ P.M. Time Started Off Bottom 6:43 ~~A.M.~~ P.M. Maximum Temperature _____

Initial Hydrostatic Pressure (A) 1373 P.S.I.

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

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

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

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

Final Hydrostatic Pressure (H) 1306 P.S.I.

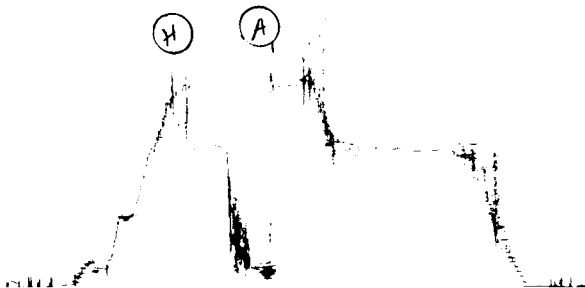
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TKT # 3423
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EA 16 pet.

Well: #1

DST # 2





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 3423

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

Elevation _____ Formation Red Eagle Eff. Pay _____ Ft.

District PRATT Date 10-2-79 Customer Order No. _____

COMPANY NAME Eagle Petroleum Corp.

ADDRESS 1400 Langford Bldg

LEASE AND WELL NO. Well #1 COUNTY PRATT STATE KANS. Sec. 7 Twp. 28-S Rge. 13-W

Mail Invoice To Same No. Copies Requested Reg.

Co. Name Same Address _____ No. Copies Requested Reg.

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 2 Interval Tested from 2700 ft. to 2730 ft. Total Depth 2730 ft.
Packer Depth 2695 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2700 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2722 ft. Recorder Number 6246 Cap. 5200
Bottom Recorder Depth (Outside) 2725 ft. Recorder Number 5673 Cap. 5400
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor BTH Drilling #15 Drill Collar Length 491 I. D. 2.2 in.
Mud Type Starch Gel Viscosity 32 Weight Pipe Length _____ I. D. _____ in.
Weight 9.5 Water Loss _____ cc. Drill Pipe Length 2187 I. D. 3.8 in.
Chlorides 65000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 O.D. in.
Jars: Make _____ Serial Number _____ Anchor Length 30 ft. Size 5 1/2 O.D. in.
Did Well Flow? NO Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: Slid Tool 20' while tool was open - still
Lacked 5' of being on bottom

Time Set Packer(s) 5:43 ^{AM} P.M. Time Started Off Bottom 6:43 ^{AM} P.M. Maximum Temperature _____
Initial Hydrostatic Pressure _____ (A) 1373 P.S.I.
Initial Flow Period _____ Minutes 30 (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period _____ Minutes 30 (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) 1306 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. Don F Moore

Test Approved By [Signature]
Signature of Customer or his authorized representative

Western Representative David Sloan
Thank you

FIELD INVOICE

Open Hole Test \$ _____
Misrun \$ ✓ 275.00
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ ✓ 35.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 310.00

Eagle Petroleum Corporation

Well #1

Company _____ Lease & Well No. _____
 Location -- Formation Red Eagle Effective Pay -- Ft. Ticket No. 3424
 Date 10/3/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by D. F. Moore Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 2700 ft. to 2730 ft. Total Depth 2730 ft.
 Casing Depth 2695 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Casing Depth 2700 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2722 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 2725 ft. Recorder Number 5673 Cap. 5400
 Flow Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B. & N. Drilling #15 Drill Collar Length 491 I. D. 2.2 in.
 Mud Type gel Viscosity 36 Weight Pipe Length - I. D. - in.
 Weight 9.6 Water Loss - cc. Drill Pipe Length 2187 I. D. 3.8 in.
 Chlorides 56,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Make -- Serial Number -- Anchor Length 30 ft. Size 5 1/2 OD in.
 Mud Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Remarks: Moderate blow throughout test.

covered 440 ft. of mud cut water chlorides 85,000 ppm
 covered _____ ft. of _____
 covered _____ ft. of _____
 covered _____ ft. of _____
 covered _____ ft. of _____

Remarks: _____

Time Set Packer(s)	Time Started	Off Bottom	Maximum Temperature
<u>7:44</u> <u>A.M.</u>	<u>9:44</u> <u>A.M.</u>		<u>110</u>
Initial Hydrostatic Pressure	(A)	<u>1430</u> P.S.I.	
Initial Flow Period	Minutes <u>25</u>	(B)	<u>50</u> P.S.I. to (C) <u>136</u> P.S.I.
Initial Closed In Period	Minutes <u>30</u>	(D)	<u>942</u> P.S.I.
Final Flow Period	Minutes <u>25</u>	(E)	<u>178</u> P.S.I. to (F) <u>236</u> P.S.I.
Final Closed In Period	Minutes <u>33</u>	(G)	<u>932</u> P.S.I.
Final Hydrostatic Pressure	(H)	<u>1352</u> P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 10/3/79
 Recorder No. 6246 Capacity 5200 Test Ticket No. 3424
 Location 2722 Ft.
 Block No. -- Elevation ---- Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	1430	P.S.I.	7:44A	M
Open Tool				
First Initial Flow Pressure	50	P.S.I.	30	25
First Flow Pressure			Mins.	Mins.
First Final Flow Pressure	136	P.S.I.	30	30
Initial Closed-in Pressure			Mins.	Mins.
Second Flow Pressure	942	P.S.I.	30	25
Second Flow Pressure			Mins.	Mins.
Second Initial Flow Pressure	178	P.S.I.	30	33
Final Closed-in Pressure			Mins.	Mins.
Second Final Flow Pressure	236	P.S.I.		
Final Closed-in Pressure	932	P.S.I.		
Final Hydrostatic Mud	1352	P.S.I.		

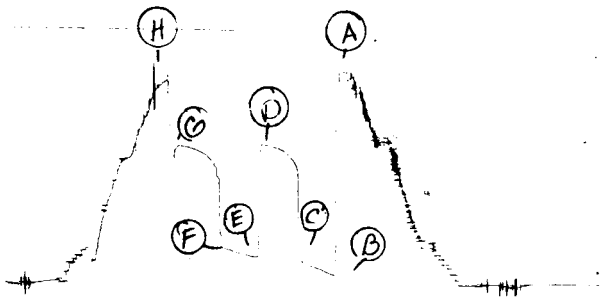
PRESSURE BREAKDOWN

Point Inches	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	3
	final inc. of	0	Min.	final inc. of	0	Min.	final inc. of	0
	Point	Press.	Point	Press.	Point	Press.	Point	Press.
	Minutes		Minutes		Minutes		Minutes	
1	0	50	0	136	0	178	0	236
2	5	71	3	319	5	183	3	637
3	10	92	6	809	10	196	6	788
4	15	110	9	845	15	207	9	835
5	20	126	12	877	20	220	12	864
6	25	136	15	901	25	236	15	882
7			18	918			18	895
8			21	923			21	908
9			24	929			24	916
10			27	935			27	923
11			30	942			30	926
12							33	932

6246

TKT # 3424
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Eagle pt. camp
Well #1
DST #3





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 3424

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

Elevation Formation RED Eagle Eff. Pay Ft.

District PRAT Date 10-3-79 Customer Order No.
COMPANY NAME Eagle Petroleum Corp.
ADDRESS 1400 Ashland Bldg Wichita
LEASE AND WELL NO. Well #1 COUNTY PRATT STATE KANS. Sec 7 Twp 28S Rge 13W
Mail Invoice To Co. Name SAME Address No. Copies Requested Reg.
Mail Charts To Co. Name SAME Address No. Copies Requested Reg.

Formation Test No. 3 Interval Tested from 2700 ft. to 2730 ft. Total Depth 2730 ft.
Packer Depth 2695 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2700 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 2722 ft. Recorder Number 6246 Cap 5200
Bottom Recorder Depth (Outside) 2725 ft. Recorder Number 5673 Cap 5400
Below Straddle Recorder Depth ft. Recorder Number Cap
Drilling Contractor B & N Drilling #15 Drill Collar Length 491 I. D. 2.2 in.
Mud Type Gel Viscosity 36 Weight Pipe Length I. D. in.
Weight 9.6 Water Loss cc. Drill Pipe Length 2187 I. D. 3.8 in.
Chlorides 56,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 O.D. in.
Jars: Make Serial Number Anchor Length 30 ft. Size 5 1/2 O.D. in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 X H in.

Blow: Moderate Blow Thru-out Test

Recovered 440 ft. of Mud Cut Water Chlorides 85,000 p.p.m.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 7:44 A.M. Time Started Off Bottom 9:44 A.M. Maximum Temperature 110
Initial Hydrostatic Pressure (A) 1435 P.S.I.
Initial Flow Period Minutes 30 (B) 39 P.S.I. to (C) 117 P.S.I.
Initial Closed In Period Minutes 30 (D) 890 P.S.I.
Final Flow Period Minutes 30 (E) 157 P.S.I. to (F) 222 P.S.I.
Final Closed In Period Minutes 30 (G) 903 P.S.I.
Final Hydrostatic Pressure (H) 1333 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 Dave Sloan Thank you

FIELD INVOICE
Open Hole Test \$ 1500.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
TOTAL \$ 535.00

WESTERN TESTING CO., INC.
Pressure Data

Date 10-3-79 Test Ticket No. 3424
 Recorder No. 6246 Capacity 5200 Location 2722 Ft.
 Clock No. _____ Elevation _____ Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1430</u> P.S.I.	Open Tool	<u>7:44</u> A M	
B First Initial Flow Pressure	<u>50</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>136</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>942</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>178</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>236</u> P.S.I.			
G Final Closed-in Pressure	<u>932</u> P.S.I.			
H Final Hydrostatic Mud	<u>1352</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>11</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>136</u>	<u>0</u>	<u>178</u>	<u>0</u>	<u>236</u>
P 2	<u>5</u>	<u>3</u>	<u>319</u>	<u>5</u>	<u>183</u>	<u>3</u>	<u>637</u>
P 3	<u>10</u>	<u>6</u>	<u>809</u>	<u>10</u>	<u>196</u>	<u>6</u>	<u>788</u>
P 4	<u>15</u>	<u>9</u>	<u>845</u>	<u>15</u>	<u>207</u>	<u>9</u>	<u>835</u>
P 5	<u>20</u>	<u>12</u>	<u>877</u>	<u>20</u>	<u>220</u>	<u>12</u>	<u>864</u>
P 6	<u>25</u>	<u>15</u>	<u>901</u>	<u>25</u>	<u>236</u>	<u>15</u>	<u>882</u>
P 7	<u>30</u>	<u>18</u>	<u>918</u>	<u>30</u>		<u>18</u>	<u>895</u>
P 8	<u>35</u>	<u>21</u>	<u>923</u>	<u>35</u>		<u>21</u>	<u>908</u>
P 9	<u>40</u>	<u>24</u>	<u>929</u>	<u>40</u>		<u>24</u>	<u>916</u>
P10	<u>45</u>	<u>27</u>	<u>935</u>	<u>45</u>		<u>27</u>	<u>923</u>
P11	<u>50</u>	<u>30</u>	<u>942</u>	<u>50</u>		<u>30</u>	<u>926</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	<u>932</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Eagle Petroleum Corporation

Well #1

Company _____ Lease & Well No. _____
 Elevation -- Formation Kansas City Effective Pay -- Ft. Ticket No. 3982
 Date 10/7/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by D. F. Moore Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4030 ft. to 4085 ft. Total Depth 4085 ft.
 Packer Depth 4025 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4030 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4045 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4048 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B. & N. Drilling Rig #15 Drill Collar Length 400 I. D. 2 1/4 in.
 Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 3606 I. D. 3.8 in.
 Chlorides 38,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 55 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 throughout flow periods.

Recovered 185 ft. of slightly gas cut mud (specks of oil)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: Slid tool five feet to bottom after opened. Read chart #3351

Time Set Packer(s)	<u>9:30</u>	<u>A.M.</u> P.M.	Time Started Off Bottom	<u>12:15</u>	<u>A.M.</u> P.M.	Maximum Temperature	<u>116⁰</u>
Initial Hydrostatic Pressure			(A)	<u>2093</u>		P.S.I.	
Initial Flow Period			Minutes <u>30</u>	(B)	<u>98</u>	P.S.I. to (C)	<u>95</u> P.S.I.
Initial Closed In Period			Minutes <u>45</u>	(D)	<u>271</u>	P.S.I.	
Final Flow Period			Minutes <u>45</u>	(E)	<u>106</u>	P.S.I. to (F)	<u>99</u> P.S.I.
Final Closed In Period			Minutes <u>48</u>	(G)	<u>462</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>2060</u>		P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

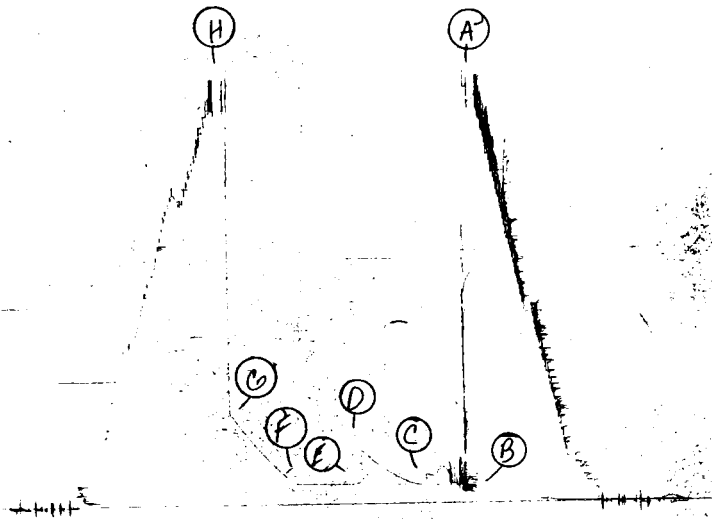
Date 10/7/79 Test Ticket No. 3982
 Recorder No. 3351 Capacity 4000 Location 4048 Ft.
 Clock No. -- Elevation -- Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2093 P.S.I.	Open Tool	9:30A M	
B First Initial Flow Pressure	98 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	95 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	271 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	106 P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	99 P.S.I.			
G Final Closed-in Pressure	462 P.S.I.			
H Final Hydrostatic Mud	2060 P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
P 1	0	98	0	95	0	106	0	99
P 2	5	Plugging action	3	94	5	99	3	108
P 3	10	Plugging action	6	96	10	99	6	125
P 4	15	Plugging action	9	106	15	99	9	143
P 5	20	Plugging action	12	112	20	99	12	161
P 6	25	Plugging action	15	122	25	99	15	181
P 7	30	95	18	131	30	99	18	201
P 8			21	145	35	99	21	220
P 9			24	157	40	99	24	245
P10			27	169	45	99	27	267
P11			30	185			30	291
P12			33	201			33	317
P13			36	215			36	343
P14			39	235			39	371
P15			42	253			42	400
P16			45	271			45	428
P17							48	462
P18								
P19								
P20								

TKT #3982
0



51



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 3982

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

Elevation _____ Formation K.C. Eff. Pay _____ Ft.

District Pratt Date 10/7/79 Customer Order No. _____

COMPANY NAME Eagle Petroleum Corp.

ADDRESS 1400 Douglas Bldg. Wichita, KS

LEASE AND WELL NO. Well #1 COUNTY Pratt STATE Ks Sec. 7 Twp. 28S Rge. 13W

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

Mail Charts To Same Co. Name _____ Address _____ No. Copies Requested 5

Formation Test No. 4 Interval Tested from 4030 ft. to 4085 ft. Total Depth 4085 ft.

Packer Depth 4025 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4030 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4045 ft. Recorder Number 2607 Cap 4150

Bottom Recorder Depth (Outside) 4048 ft. Recorder Number 3351 Cap 4500

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

Drilling Contractor B+N Drilling Rig #15 Drill Collar Length 400 I. D. 2 1/4 in.

Mud Type Starch Viscosity 41 Weight Pipe Length _____ I. D. _____ in.

Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 3606 I. D. 3.8 in.

Chlorides 38,000 P.P.M. Test Tool Length 24 ft. Tool Size 5200 in.

Jars: Make _____ Serial Number _____ Anchor Length 55 ft. Size 5200 in.

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

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

Blow: Weak blow throughout flow periods

Recovered 185 ft. of SI: Gas Cut Mud (Specks of oil)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Slcd tool 5' to bottom after opened Reading chart 3351

Time Set Packer(s) 9:30 ~~AM~~ Time Started Off Bottom 12:15 ~~AM~~ P.M. Maximum Temperature 116²

Initial Hydrostatic Pressure _____ (A) 2081 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 100 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 281 P.S.I.

Final Flow Period _____ Minutes 45 (E) 110 P.S.I. to (F) 110 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 471 P.S.I.

Final Hydrostatic Pressure _____ (H) 2061 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 Jim Warden Thank You

FIELD INVOICE

Open Hole Test \$ ✓ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ ✓ 35.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 585.00

WESTERN TESTING CO., INC.
Pressure Data

Date 10-7-79 Test Ticket No. 3982
 Recorder No. ~~3351~~ 3351 Capacity ~~4150~~ 41000 Location 4048 Ft.
 Clock No. _____ Elevation _____ Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1093</u>	P.S.I.	<u>9:30 AM</u>	
B First Initial Flow Pressure	<u>98</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>95</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>271</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>106</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>99</u>	P.S.I.		
G Final Closed-in Pressure	<u>462</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2060</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>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>16</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>98</u>	0	<u>95</u>	0	<u>106</u>	0	<u>99</u>	
P 2 5	<i>Plugging Action</i>	3	<u>94</u>	5	<u>99</u>	3	<u>108</u>	
P 3 10		6	<u>96</u>	10		6	<u>125</u>	
P 4 15		9	<u>106</u>	15		9	<u>143</u>	
P 5 20		12	<u>112</u>	20		12	<u>161</u>	
P 6 25		15	<u>122</u>	25		15	<u>181</u>	
P 7 30		<u>95</u>	18	<u>131</u>	30		18	<u>201</u>
P 8 35			21	<u>145</u>	35		21	<u>220</u>
P 9 40			24	<u>157</u>	40		24	<u>245</u>
P 10 45			27	<u>169</u>	45	<u>99</u>	27	<u>267</u>
P 11 50			30	<u>185</u>	50		30	<u>291</u>
P 12 55		33	<u>201</u>	55		33	<u>317</u>	
P 13 60		36	<u>215</u>	60		36	<u>343</u>	
P 14		39	<u>235</u>	65		39	<u>371</u>	
P 15		42	<u>253</u>	70		42	<u>400</u>	
P 16		45	<u>271</u>	75		45	<u>428</u>	
P 17		<u>48</u>		80		<u>48 48</u>	<u>462</u>	
P 18		51		85		51		
P 19		54		90		54		
P 20		<u>57</u>				57		
		<u>60</u>				60		

Company Eagle Petroleum Corporation Lease & Well No. Well #1
 Elevation --- Formation Mississippi Effective Pay -- Ft. Ticket No. 4003
 Date 10/9/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by D. F. Moore Western Representative Dave Sloan

Formation Test No. 5 Interval Tested from 4303 ft. to 4340 ft. Total Depth 4340 ft.
 Packer Depth 4298 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4303 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4332 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B. & N. Drilling #15 Drill Collar Length 491 I. D. 2.2 in.
 Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 3790 I. D. 3.8 in.
 Chlorides 35,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 37 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 XH in.

Blow: Moderate blow during Initial Flow Period. Weak blow during Final Flow Period.

Recovered 15 ft. of gas cut drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 8:00 P.M. Maximum Temperature 124
 Initial Hydrostatic Pressure (A) 2214 P.S.I.
 Initial Flow Period Minutes 30 (B) 33 P.S.I. to (C) 41 P.S.I.
 Initial Closed In Period Minutes 45 (D) 77 P.S.I.
 Final Flow Period Minutes 45 (E) 49 P.S.I. to (F) 51 P.S.I.
 Final Closed In Period Minutes 45 (G) 77 P.S.I.
 Final Hydrostatic Pressure (H) 2195 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10/9/79 Test Ticket No. 4003
 Recorder No. 5673 Capacity 5400 Location 4332 Ft.
 Clock No. -- Elevation -- Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2214 P.S.I.	Open Tool	5:15A	M
B First Initial Flow Pressure	33 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	77 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	49 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	51 P.S.I.			
G Final Closed-in Pressure	77 P.S.I.			
H Final Hydrostatic Mud	2195 P.S.I.			

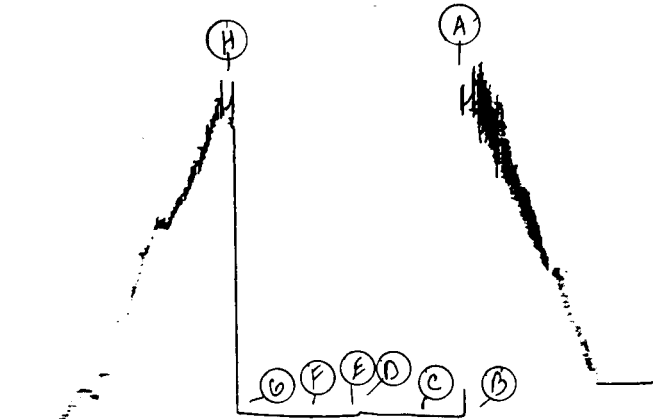
PRESSURE BREAKDOWN

Point Mins.	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>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	33	0	41	0	49	0	51	0
P 2	34	5	41	3	47	5	51	3
P 3	35	10	46	6	47	10	52	6
P 4	36	15	49	9	47	15	53	9
P 5	37		49	12	47	20	54	12
P 6	39	20	49	15	47	25	55	15
P 7	41	25	49	18	47	30	56	18
P 8		30	49	21	47	35	57	21
P 9			49	24	49	40	58	24
P10			49	27	51	45	59	27
P11			54	30			60	30
P12			56	33			62	33
P13			60	36			65	36
P14			66	39			69	39
P15			68	42			74	42
P16			77	45			77	45
P17								
P18								
P19								
P20								

8000

1.119
Well #1
DST #5

TRK # 4003
I





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 4003

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation _____ Formation MISS Eff. Pay _____ Ft.

District PRATT Date 10-9-79 Customer Order No. _____

COMPANY NAME Eagle Petroleum Corp.

ADDRESS 1400 Douglas Blvd. Wichita, Kan.

LEASE AND WELL NO. Well #1 COUNTY PRATT STATE KANS. Sec. 7 Twp 28S Rge 13E

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

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

Formation Test No 5 Interval Tested from 4303 ft. to 4340 ft. Total Depth 4340 ft.
Packer Depth 4298 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4303 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4332 ft. Recorder Number 5673 Cap 5400
Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 6246 Cap 5200
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap _____

Drilling Contractor BTH #15 Drill Collar Length 491 I. D. 2.2 in.
Mud Type STAPL Viscosity 40 Weight Pipe Length _____ I. D. _____ in.
Weight 9.7 Water Loss 9.6 cc. Drill Pipe Length 3790 I. D. 3.8 in.
Chlorides 35,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 o.d. in.
Jars: Make _____ Serial Number _____ Anchor Length 37 ft. Size 5 o.d. in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Moderate Blow during Initial Flow Period
Weak Blow during Final Flow Period

Recovered 15 ft. of Gas cut Drly mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 8:00 A.M. Maximum Temperature 124
Initial Hydrostatic Pressure _____ (A) 2135 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 26 P.S.I. to (C) 26 P.S.I.
Initial Closed In Period _____ Minutes 45 (D) 65 P.S.I.
Final Flow Period _____ Minutes 45 (E) 39 P.S.I. to (F) 39 P.S.I.
Final Closed In Period _____ Minutes 45 (G) 78 P.S.I.
Final Hydrostatic Pressure _____ (H) 2109 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative [Signature] Thank you

FIELD INVOICE

Open Hole Test \$ 4550
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$ 35
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
TOTAL \$ 585

WESTERN TESTING CO., INC.
Pressure Data

Date 10-9-79 Test Ticket No. 4003
 Recorder No. 5673 Capacity 5400 Location 4332 Ft.
 Clock No. _____ Elevation _____ Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2214</u>	P.S.I.	<u>5:15</u> A.M.	
B. First Initial Flow Pressure	<u>33</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>41</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D. Initial Closed-in Pressure	<u>77</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E. Second Initial Flow Pressure	<u>49</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F. Second Final Flow Pressure	<u>51</u>	P.S.I.		
G. Final Closed-in Pressure	<u>77</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>2195</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>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>0</u>	<u>41</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>51</u>
P 2	<u>5</u>	<u>3</u>	<u>41</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>51</u>
P 3	<u>10</u>	<u>6</u>	<u>46</u>	<u>10</u>		<u>6</u>	<u>52</u>
P 4	<u>15</u>	<u>9</u>	<u>49</u>	<u>15</u>		<u>9</u>	<u>53</u>
P 5	<u>20</u>	<u>12</u>		<u>20</u>		<u>12</u>	<u>54</u>
P 6	<u>25</u>	<u>15</u>		<u>25</u>		<u>15</u>	<u>55</u>
P 7	<u>30</u>	<u>18</u>		<u>30</u>		<u>18</u>	<u>56</u>
P 8	<u>35</u>	<u>21</u>		<u>35</u>	<u>47</u>	<u>21</u>	<u>57</u>
P 9	<u>40</u>	<u>24</u>		<u>40</u>	<u>49</u>	<u>24</u>	<u>58</u>
P10	<u>45</u>	<u>27</u>	<u>49</u>	<u>45</u>	<u>51</u>	<u>27</u>	<u>59</u>
P11	<u>50</u>	<u>30</u>	<u>54</u>	<u>50</u>		<u>30</u>	<u>60</u>
P12	<u>55</u>	<u>33</u>	<u>56</u>	<u>55</u>		<u>33</u>	<u>62</u>
P13	<u>60</u>	<u>36</u>	<u>60</u>	<u>60</u>		<u>36</u>	<u>65</u>
P14		<u>39</u>	<u>66</u>	<u>65</u>		<u>39</u>	<u>69</u>
P15		<u>42</u>	<u>68</u>	<u>70</u>		<u>42</u>	<u>74</u>
P16		<u>45</u>	<u>77</u>	<u>75</u>		<u>45</u>	<u>77</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Company Eagle Petroleum Corporation Lease & Well No. Welli #1
 Elevation 1950 Kelly Bushing Simpson Formation Simpson Effective Pay -- Ft. Ticket No. 2948
 Date 10/10/79 Sec. 7 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by D. F. Moore Western Representative Vernon Wondra

Formation Test No. 6 Interval Tested from 4440 ft. to 4465 ft. Total Depth 4465 ft.
 Packer Depth 4435 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4440 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4455 ft. Recorder Number 10979 Cap. 4100
 Bottom Recorder Depth (Outside) 4458 ft. Recorder Number 1563 Cap. 4200
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor B. & N. Drilling Co. Rig #15 Drill Collar Length 491 I. D. 2 1/4 in.
 Mud Type starch Viscosity 47 Weight Pipe Length -- I. D. -- in.
 Weight 9.6 Water Loss 12.0 cc. Drill Pipe Length 3926 I. D. 3.8 in.
 Chlorides 34,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- 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: Strong blow throughout both flow periods.

Recovered 45 ft. of oil and gas cut mud
 Recovered 60 ft. of heavy oil and gas cut mud
 Recovered 190 ft. of oil and gas cut muddy water
 Recovered 250 ft. of oil and gas cut water
 Recovered 880 ft. of oil cut water (chlorides 62,000 ppm)

Remarks: READ CHART #1563

Time Set Packer(s) 4:00 ~~AM~~ P.M. Time Started Off Bottom 7:00 ~~AM~~ P.M. Maximum Temperature 128
 Initial Hydrostatic Pressure (A) 2405 P.S.I.
 Initial Flow Period Minutes 45 (B) 142 P.S.I. to (C) 440 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1229 P.S.I.
 Final Flow Period Minutes 45 (E) 540 P.S.I. to (F) 648 P.S.I.
 Final Closed In Period Minutes 45 (G) 1228 P.S.I.
 Final Hydrostatic Pressure (H) 2339 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

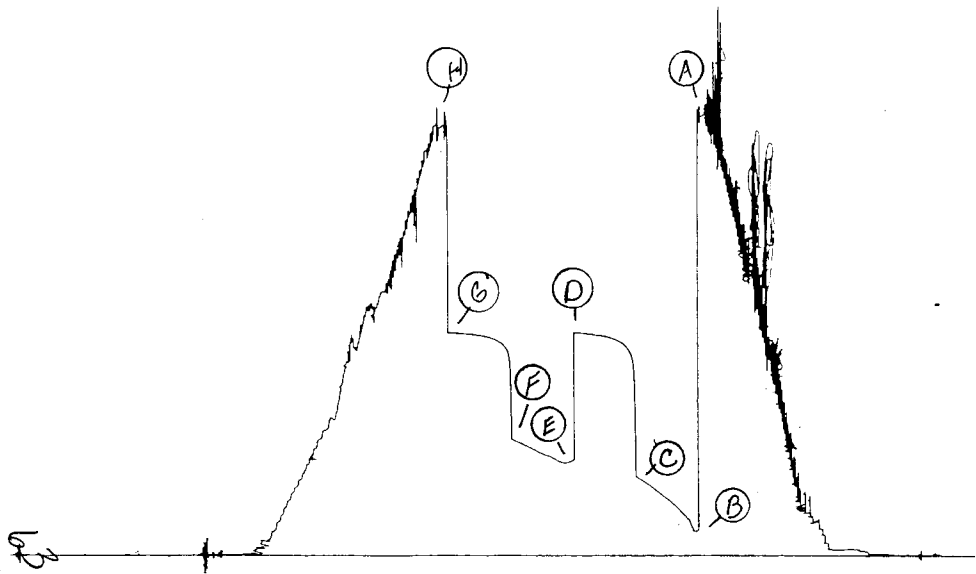
Date 10-10-79 Test Ticket No. 2948
 Recorder No. 1563 Capacity 4200 Location 4458 Ft.
 Clock No. ----- Elevation 1950 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2405</u>	P.S.I.	<u>4:00</u>	<u>P.M.</u>
B First Initial Flow Pressure	<u>142</u>	P.S.I.	<u>45</u>	<u>45</u>
C First Final Flow Pressure	<u>440</u>	P.S.I.	<u>45</u>	<u>45</u>
D Initial Closed-in Pressure	<u>1229</u>	P.S.I.	<u>45</u>	<u>45</u>
E Second Initial Flow Pressure	<u>540</u>	P.S.I.	<u>45</u>	<u>45</u>
F Second Final Flow Pressure	<u>648</u>	P.S.I.		
G Final Closed-in Pressure	<u>1228</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2339</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u>	mins. and a	of <u>3</u>	mins. and a	of <u>5</u>	mins. and a	of <u>3</u>	mins. and a
	final inc. of <u>0</u>	Min.	final inc. of <u>0</u>	Min.	final inc. of <u>0</u>	Min.	final inc. of <u>0</u>	Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 <u>0</u>	<u>142</u>	<u>0</u>	<u>440</u>	<u>0</u>	<u>540</u>	<u>0</u>	<u>648</u>	
P 2 <u>5</u>	<u>166</u>	<u>3</u>	<u>1070</u>	<u>5</u>	<u>519</u>	<u>3</u>	<u>1103</u>	
P 3 <u>10</u>	<u>226</u>	<u>6</u>	<u>1129</u>	<u>10</u>	<u>527</u>	<u>6</u>	<u>1152</u>	
P 4 <u>15</u>	<u>267</u>	<u>9</u>	<u>1161</u>	<u>15</u>	<u>545</u>	<u>9</u>	<u>1178</u>	
P 5 <u>20</u>	<u>302</u>	<u>12</u>	<u>1177</u>	<u>20</u>	<u>561</u>	<u>12</u>	<u>1188</u>	
P 6 <u>25</u>	<u>334</u>	<u>15</u>	<u>1190</u>	<u>25</u>	<u>577</u>	<u>15</u>	<u>1196</u>	
P 7 <u>30</u>	<u>363</u>	<u>18</u>	<u>1199</u>	<u>30</u>	<u>596</u>	<u>18</u>	<u>1203</u>	
P 8 <u>35</u>	<u>390</u>	<u>21</u>	<u>1206</u>	<u>35</u>	<u>615</u>	<u>21</u>	<u>1209</u>	
P 9 <u>40</u>	<u>418</u>	<u>24</u>	<u>1211</u>	<u>40</u>	<u>634</u>	<u>24</u>	<u>1213</u>	
P10 <u>45</u>	<u>440</u>	<u>27</u>	<u>1215</u>	<u>45</u>	<u>648</u>	<u>27</u>	<u>1216</u>	
P11		<u>30</u>	<u>1218</u>			<u>30</u>	<u>1219</u>	
P12		<u>33</u>	<u>1221</u>			<u>33</u>	<u>1222</u>	
P13		<u>36</u>	<u>1223</u>			<u>36</u>	<u>1224</u>	
P14		<u>39</u>	<u>1225</u>			<u>39</u>	<u>1226</u>	
P15		<u>42</u>	<u>1227</u>			<u>42</u>	<u>1227</u>	
P16		<u>45</u>	<u>1229</u>			<u>45</u>	<u>1228</u>	
P17								
P18								
P19								
P20								

TKL #2948





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No

2948

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

Elevation 1950 KB Formation Simpson Eff. Pay Ft.

District Great Bend Date 10-10-79 Customer Order No.

COMPANY NAME Eagle Petroleum Corp.

ADDRESS 1400 Douglas Bldg. Wichita, Kansas 67202

LEASE AND WELL NO. Well #1 COUNTY Pratt STATE Kansas Sec. 7 Twp. 28 Rge. 13W

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. 6 Interval Tested from 4440 ft. to 4465 ft. Total Depth 4465 ft.

Packer Depth 4435 ft. Size 6 7/8 in. Packer Depth ft. Size in.

Packer Depth 4440 ft. Size 6 7/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4455 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 4458 ft. Recorder Number 1563 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor B+N Drilling Co. Rig #15 Drill Collar Length 491 I. D. 2 1/4 in.

Mud Type Starch Viscosity 47 Weight Pipe Length I. D. in.

Weight 9.6 Water Loss 12.0 cc. Drill Pipe Length 3926 I. D. 3 1/8 in.

Chlorides 34,000 P.P.M. Test Tool Length 23 in. Tool Size 5 3/4 in.

Jars: Make Serial Number Anchor Length 25 ft. Size 5 3/4 in.

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

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

Blow: Strong blow throughout both flow periods

Recovered 45 ft. of O.G.C. mud

Recovered 60 ft. of Hvy. O.G.C. mud

Recovered 190 ft. of O.G.C. Mdy. Water

Recovered 250 ft. of O.G.C. Water

Recovered 880 ft. of O.C. Water Chlorides 62,000 ppm

Remarks: Read chart 1563

Time Set Packer(s) 4:00 AM/PM Time Started Off Bottom 7:00 AM/PM Maximum Temperature 128

Initial Hydrostatic Pressure (A) 2400 P.S.I.

Initial Flow Period Minutes 45 (B) 129 P.S.I. to (C) 431 P.S.I.

Initial Closed In Period Minutes 45 (D) 1217 P.S.I.

Final Flow Period Minutes 45 (E) 506 P.S.I. to (F) 634 P.S.I.

Final Closed In Period Minutes 45 (G) 1217 P.S.I.

Final Hydrostatic Pressure (H) 2336 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 Thanks You

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$ 58.00
Extra Charts \$
TOTAL \$ 585.00

WESTERN TESTING CO., INC.
Pressure Data

Date 11-10-79 Test Ticket No. 2948
 Recorder No. ~~1563~~ 1563 Capacity ~~4200~~ 4200 Location 4458 Ft.
 Clock No. _____ Elevation 1950 K.B. Well Temperature 128 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	M	Time Computed
A Initial Hydrostatic Mud	<u>2405</u>	<u>0</u>		<u>4:00 P.</u>		
B First Initial Flow Pressure	<u>142</u>	P.S.I.	First Flow Pressure	<u>45</u>	Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>440</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u>	Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1229</u>	P.S.I.	Second Flow Pressure	<u>45</u>	Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>540</u>	P.S.I.	Final Closed-in Pressure	<u>43</u>	Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>648</u>	P.S.I.				
G Final Closed-in Pressure	<u>1228</u>	P.S.I.				
H Final Hydrostatic Mud	<u>2339</u>	2358				

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
	final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>0</u>	<u>440</u>	<u>0</u>	<u>540</u>	<u>0</u>	<u>648</u>	
P 2	<u>5</u>	<u>3</u>	<u>1070</u>	<u>3</u>	<u>519</u>	<u>3</u>	<u>1103</u>	
P 3	<u>10</u>	<u>6</u>	<u>1129</u>	<u>6</u>	<u>527</u>	<u>6</u>	<u>1152</u>	
P 4	<u>15</u>	<u>9</u>	<u>1161</u>	<u>9</u>	<u>545</u>	<u>9</u>	<u>1172</u>	
P 5	<u>20</u>	<u>12</u>	<u>1177</u>	<u>12</u>	<u>561</u>	<u>12</u>	<u>1188</u>	
P 6	<u>25</u>	<u>15</u>	<u>1190</u>	<u>15</u>	<u>577</u>	<u>15</u>	<u>1196</u>	
P 7	<u>30</u>	<u>18</u>	<u>1199</u>	<u>18</u>	<u>596</u>	<u>18</u>	<u>1203</u>	
P 8	<u>35</u>	<u>21</u>	<u>1206</u>	<u>21</u>	<u>615</u>	<u>21</u>	<u>1209</u>	
P 9	<u>40</u>	<u>24</u>	<u>1211</u>	<u>24</u>	<u>634</u>	<u>24</u>	<u>1213</u>	
P10	<u>45</u>	<u>27</u>	<u>1215</u>	<u>27</u>	<u>648</u>	<u>27</u>	<u>1216</u>	
P11	<u>50</u>	<u>30</u>	<u>1218</u>	<u>30</u>	<u>648</u>	<u>30</u>	<u>1219</u>	
P12	<u>55</u>	<u>33</u>	<u>1221</u>	<u>33</u>	<u>648</u>	<u>33</u>	<u>1222</u>	
P13	<u>60</u>	<u>36</u>	<u>1223</u>	<u>36</u>	<u>648</u>	<u>36</u>	<u>1224</u>	
P14	<u>65</u>	<u>39</u>	<u>1225</u>	<u>39</u>	<u>648</u>	<u>39</u>	<u>1226</u>	
P15	<u>70</u>	<u>42</u>	<u>1227</u>	<u>42</u>	<u>648</u>	<u>42</u>	<u>1227</u>	
P16	<u>75</u>	<u>45</u>	<u>1229</u>	<u>45</u>	<u>648</u>	<u>45</u>	<u>1228</u>	
P17	<u>80</u>	<u>48</u>		<u>48</u>		<u>48</u>		
P18	<u>85</u>	<u>51</u>		<u>51</u>		<u>51</u>		
P19	<u>90</u>	<u>54</u>		<u>54</u>		<u>54</u>		
P20		<u>57</u>		<u>57</u>		<u>57</u>		
		<u>60</u>		<u>60</u>		<u>60</u>		