Company Euwer Petroleum Company — Lease & Well No. Lauer #1

Elevation 1288 Kelly Bushing — Formation Kansas City — Effective Pay ------- Ft. — Ticket No. 3544

Date 4/14/80 — Sec. 22 — Twp. 29S — Range 2W — County Sedgwick — State Kansas

Test Approved by Charles I. Slagle — Western Representative Norman Allen

Formation Test No. 1 — Interval Tested from 3047 ft. to 3070 ft. — Total Depth 3070 ft.

Packer Depth 3047 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3042 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3063 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 3066 ft. — Recorder Number 1561 — Cap. 3200

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

Drilling Contractor Rains & Williamson OilCo. #3 — Drill Collar Length 372 — I. D. 2¼ in.

Mud Type chemical — Viscosity 43 — Weight Pipe Length - — I. D. - in.

Weight 9.7 — Water Loss 14.4 cc. — Drill Pipe Length 2655 — I. D. 3.8 in.

Chlorides 1,800 P.P.M. — Test Tool Length 43 ft. — Tool Size 4½OD in.

Jars: Make -- — Serial Number -- — Anchor Length 23 ft. — Size 4½OD 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 3½IF in.

Blow: Weak five minutes.

Recovered 3 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:30 A.M. ~~P.M.~~ — Time Started Off Bottom 11:00 A.M. ~~P.M.~~ — Maximum Temperature 105°

Initial Hydrostatic Pressure ..... (A) 1508 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 21 P.S.I. to (C) 26 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 670 P.S.I.

Final Flow Period ..... Minutes 30 (E) 38 P.S.I. to (F) 32 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 374 P.S.I.

Final Hydrostatic Pressure ..... (H) 1496 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 4/14/80 Test Ticket No. 3544

Recorder No. 10980 Capacity 4200 Location 3063 Ft.

Clock No. ------ Elevation 1288 Kelly Bushing Well Temperature 105 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1508	P.S.I.
B	First Initial Flow Pressure	21	P.S.I.
C	First Final Flow Pressure	26	P.S.I.
D	Initial Closed-in Pressure	670	P.S.I.
E	Second Initial Flow Pressure	38	P.S.I.
F	Second Final Flow Pressure	32	P.S.I.
G	Final Closed-in Pressure	374	P.S.I.
H	Final Hydrostatic Mud	1496	P.S.I.

	Time Given	Time Computed
Open Tool	8:30A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	21
P 2 5	22
P 3 10	23
P 4 15	24
P 5 20	25
P 6 25	25
P 7 30	26
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	26
3	30
6	34
9	41
12	51
15	73
18	111
21	171
24	246
27	325
30	400
33	464
36	523
39	573
42	619
45	670

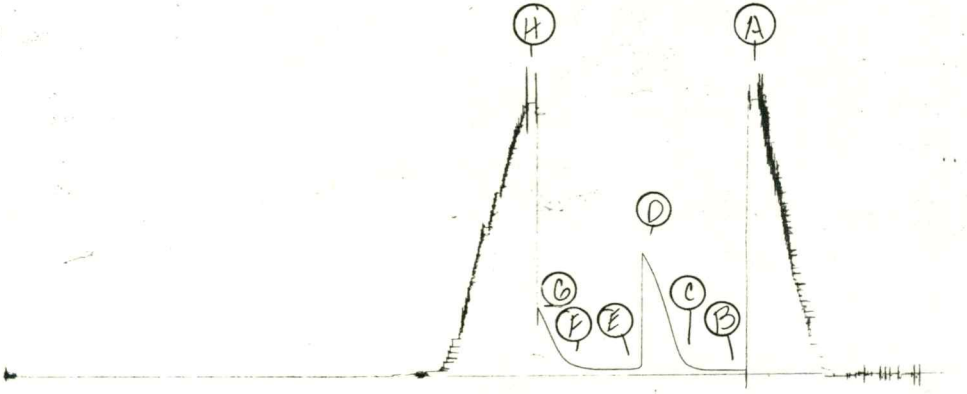
Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
5	32
10	32
15	32
20	32
25	32
30	32

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	32
3	32
6	34
9	36
12	38
15	43
18	49
21	66
24	83
27	105
30	143
33	186
36	237
39	291
42	340
45	374

JK# 3544
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Company Euwer Petroleum Company — Lease & Well No. Lauer #1

Elevation 1288 Kelly Bushing — Formation Mississippi — Effective Pay ---- Ft. — Ticket No. 4845

Date 4/16/80 — Sec. 22 — Twp. 29S — Range 2W — County Sedgwick — State Kansas

Test Approved by Charles I. Slagle — Western Representative W. K. Hager

Formation Test No. 2 — Interval Tested from 3566 ft. to 3586 ft. — Total Depth 3586 ft.

Packer Depth 3561 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3566 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3572 ft. — Recorder Number 1559 — Cap. 4200

Bottom Recorder Depth (Outside) 3575 ft. — Recorder Number 1558 — Cap. 4200

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

Drilling Contractor Rains & Williamson Rig #3 — Drill Collar Length 360 — I. D. 2¼ in.

Mud Type chemical — Viscosity 48 — Weight Pipe Length - — I. D. - in.

Weight 9.5 — Water Loss 9.6 cc. — Drill Pipe Length 3186 — I. D. 3.8 in.

Chlorides 1,900 P.P.M. — Test Tool Length 40 ft. — Tool Size 5½ in.

Jars: Make - — Serial Number - — Anchor Length 20 ft. — Size 5½ in.

Did Well Flow? Gas — 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 4½FH in.

Blow: Strong blow on initial flow period/gas to surface in fifteen minutes on final flow period. See attached sheet for gas measurements.

Recovered 95 ft. of free gassy oil

Recovered 285 ft. of heavy gas cut and oil cut mud

Recovered 60 ft. of muddy water 24,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Remarks: Top Sample of oil cut mud;65% oil;35% mud
Bottom Sample of mud:50% oil;50% mud

Time Set Packer(s) 10:35 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 2:35 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 113°

Initial Hydrostatic Pressure		(A) 1852 P.S.I.		
Initial Flow Period	Minutes 30	(B) Plugging P.S.I.	to (C) Plugging	P.S.I.
Initial Closed In Period	Minutes 57	(D) 1316 P.S.I.		
Final Flow Period	Minutes 60	(E) 129 P.S.I.	to (F) 163	P.S.I.
Final Closed In Period	Minutes 96	(G) 1317 P.S.I.		
Final Hydrostatic Pressure		(H) 1833 P.S.I.		

GAS FLOW REPORT

Date 4/16/80 Ticket 4845 Company Euwer Petroleum Company

Well Name and No. Lauer #1 Dst No. 2 Interval Tested 3566'-3586'

County Sedgwick State Kansas Sec. 22 Twp. 29S Rg. 2W

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						
SECOND FLOW						
Gas to surface in fifteen minutes.						
	20 min.	36" of water		1/4" orifice		10,100 CFPD
	25 min.	24" of water		1/4" orifice		8,220 CFPD
	30 min.	6" of water		1/4" orifice		4,120 CFPD
	35 min.	6" of water		1/4" orifice		4,120 CFPD
	40 min.	6" of water		1/4" orifice		4,120 CFPD
	45 min.	6" of water		1/4" orifice		4,120 CFPD
	50 min.	6" of water		1/4" orifice		4,120 CFPD
	55 min.	2" of water		1/4" orifice		2,370 CFPD
	60 min.	6" of water		1/4" orifice		4,120 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled 4/16/80 Date to be Invoiced 4/16/80

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 Euwer Petroleum Company

Authorized by Charles I. Slagle

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 4/16/80 Test Ticket No. 4845

Recorder No. 1559 Capacity 4200 Location 3572 Ft.

Clock No. ----- Elevation 1288 Kelly Bushing Well Temperature 113 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1852 P.S.I.		Open Tool	10:53A M	
B	First Initial Flow Pressure	Plugging P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	Plugging P.S.I.		Initial Closed-in Pressure	60 Mins.	57 Mins.
D	Initial Closed-in Pressure	1316 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	129 P.S.I.		Final Closed-in Pressure	90 Mins.	96 Mins.
F	Second Final Flow Pressure	163 P.S.I.				
G	Final Closed-in Pressure	1317 P.S.I.				
H	Final Hydrostatic Mud	1833 P.S.I.				

PRESSURE BREAKDOWN

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

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

Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	273
3	566
6	1190
9	1231
12	1248
15	1259
18	1267
21	1271
24	1277
27	1280
30	1286
33	1292
36	1300
39	1303
42	1305
45	1309
48	1311
51	1311
54	1314
57	1316

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

Point Minutes	Press.
0	129
5	123
10	123
15	125
20	128
25	128
30	128
35	131
40	140
45	148
50	153
55	158
60	163

Final Shut-In
Breakdown: 32 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	163
3	246
6	549
9	1000
12	1196
15	1219
18	1231
21	1242
24	1248
27	1254
30	1259
33	1263
36	1265
39	1269
42	1271
45	1275
48	1280
51	1282
54	1288
57	1289
60	1295

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 4/16/80 Test Ticket No. 4845

Recorder No. 1559 Capacity 4200 Location 3572 F

Clock No. ----- Elevation 1288 Kelly Bushing Well Temperature 113 •

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1852 P.S.I.	Open Tool	10:53A M	•
B First Initial Flow Pressure	Plugging P.S.I.	First Flow Pressure	30 Mins.	30 Mir
C First Final Flow Pressure	Plugging P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mir
D Initial Closed-in Pressure	1316 P.S.I.	Second Flow Pressure	60 Mins.	60 Mir
E Second Initial Flow Pressure	129 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mir
F Second Final Flow Pressure	163 P.S.I.			
G Final Closed-in Pressure	1317 P.S.I.			
H Final Hydrostatic Mud	1833 P.S.I.			

PRESSURE BREAKDOWN

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

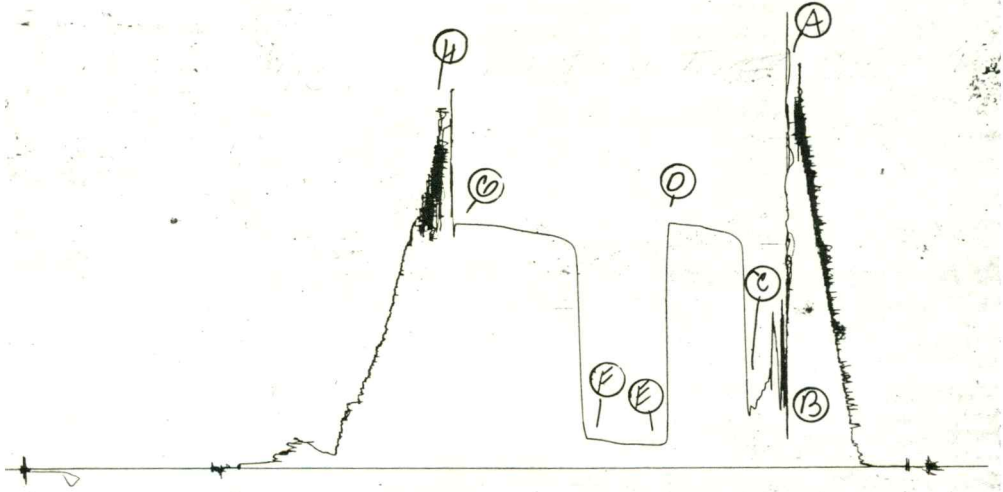
Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 32 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1301
P 2						66	1307
P 3						69	1309
P 4						72	1310
P 5						75	1311
P 6						78	1311
P 7						81	1312
P 8						84	1313
P 9						87	1314
P10						90	1315
P11						93	1316
P12						96	1317
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKt # 4845
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Company Euwer Petroleum Company — Lease & Well No. Lauer #1

Elevation 1288 Kelly Bushing — Formation Mississippi — Effective Pay ----- Ft. — Ticket No. 4846

Date 4/17/80 — Sec. 22 — Twp. 29S — Range 2W — County Sedgwick — State Kansas

Test Approved by Charles I. Slagle — Western Representative John Lee/W.K.Hager

Formation Test No. 3 — Interval Tested from 3586 ft. to 3600 ft. — Total Depth 3600 ft.

Packer Depth 3581 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3586 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3591 ft. — Recorder Number 1559 — Cap. 4200

Bottom Recorder Depth (Outside) 3594 ft. — Recorder Number 1558 — Cap. 4200

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

Drilling Contractor Rains &Williamson Rig #3 — Drill Collar Length 360 — I. D. 2¼ in.

Mud Type chemical — Viscosity 48 — Weight Pipe Length - — I. D. - in.

Weight 9.6 — Water Loss 9.6 cc. — Drill Pipe Length 3200 — I. D. 3.8 in.

Chlorides 1,900 P.P.M. — Test Tool Length 33 ft. — Tool Size 5½ in.

Jars: Make -- — Serial Number - — Anchor Length 14 ft. — Size 5½ in.

Did Well Flow? -- — Reversed Out - — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: Strong blow on initial flow;strong blow on final flow.

Recovered 220 ft. of slightly gassy oil cut mud

Recovered 660 ft. of salt water 54,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Top sample:40% mud;5% water;55% oil;Middle Sample 25% mud;55% water;20%oil
Bottom sample 10% mud;89% water;1% oil.

Time Set Packer(s) 5:25 A.M. ~~P.M.~~ — Time Started Off Bottom 9:25 A.M. ~~P.M.~~ — Maximum Temperature 114°

Initial Hydrostatic Pressure			(A) 1869 P.S.I.			
Initial Flow Period	Minutes 30	(B) 138 P.S.I.	to (C)	182 P.S.I.		
Initial Closed In Period	Minutes 60	(D) 1286 P.S.I.				
Final Flow Period	Minutes 60	(E) 322 P.S.I.	to (F)	380 P.S.I.		
Final Closed In Period	Minutes 99	(G) 1322 P.S.I.				
Final Hydrostatic Pressure			(H) 1840 P.S.I.			

WESTERN TESTING CO., INC.
Pressure Data

Date 4-17-80 Test Ticket No. 4746

Recorder No. 1559 Capacity 4200 Location 3591 Ft.

Clock No. --- Elevation 1288 Kelly Bushing Well Temperature 114 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1869 P.S.I.	Open Tool	5:25 M	
B	First Initial Flow Pressure	138 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	182 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1286 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	322 P.S.I.	Final Closed-in Pressure	90 Mins.	99 Mins.
F	Second Final Flow Pressure	380 P.S.I.			
G	Final Closed-in Pressure	1322 P.S.I.			
H	Final Hydrostatic Mud	1840 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	138
P 2 5	119
P 3 10	124
P 4 15	134
P 5 20	153
P 6 25	167
P 7 30	182
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	182
3	487
6	931
9	1086
12	1150
15	1184
18	1205
21	1222
24	1231
27	1238
30	1245
33	1249
36	1252
39	1255
42	1258
45	1261
48	1271
51	1275
54	1278
57	1282
60	1286

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

Point Minutes	Press.
0	322
5	316
10	309
15	309
20	309
25	311
30	320
35	332
40	344
45	355
50	364
55	372
60	380

Final Shut-In
Breakdown: 33 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	380
3	637
6	962
9	1082
12	1138
15	1169
18	1188
21	1203
24	1211
27	1222
30	1226
33	1234
36	1242
39	1250
42	1258
45	1265
48	1270
51	1274
54	1278
57	1282
60	1286

Continued on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 4-17-80 Test Ticket No. 4746

Recorder No. 1559 Capacity 4200 Location 3591 Ft.

Clock No. --- Elevation 1288 Kelly Bushing Well Temperature 114 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1869	P.S.I.	Open Tool	5:25	M		
B	First Initial Flow Pressure	138	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	182	P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	1286	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	322	P.S.I.	Final Closed-in Pressure	90	Mins.	99	Mins.
F	Second Final Flow Pressure	380	P.S.I.					
G	Final Closed-in Pressure	1322	P.S.I.					
H	Final Hydrostatic Mud	1840	P.S.I.					

PRESSURE BREAKDOWN

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

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

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

Final Shut-In
Breakdown: 33 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1										63	1291
P 2										66	1295
P 3										69	1300
P 4										72	1305
P 5										75	1208
P 6										78	1310
P 7										81	1312
P 8										84	1314
P 9										87	1316
P10										90	1318
P11										93	1320
P12										96	1321
P13										99	1322
P14											
P15											
P16											
P17											
P18											
P19											
P20											

Kit # 4846
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