Company Molz Oil Company — Lease & Well No. #1 Eck

Elevation 1471 Ground Level — Formation - — Effective Pay - Ft. — Ticket No. 16541

Date 9/ 24 /82 — Sec. 30 — Twp. 32S — Range 10W — County Barber — State Kansas

Test Approved by Gordon W. Keen — Western Representative Gregory Saffa

Formation Test No. 1 — Interval Tested from 4334 ft. to 4350 ft. — Total Depth 4350 ft.

Packer Depth 4329 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Packer Depth 4334 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4340 ft. — Recorder Number 3659 — Cap. 4000

Bottom Recorder Depth (Outside) 4341 ft. — Recorder Number 13401 — Cap. 4000

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

Drilling Contractor Sweetman Drlg. Rig #1 — Drill Collar Length 248 — I. D. - in.

Mud Type starch — Viscosity 47 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 7 cc. — Drill Pipe Length 4059 — I. D. 3.8 in.

Chlorides Not Available P.P.M. — Test Tool Length 27 ft. — Tool Size 5½ OD in.

Jars: Make WTC — Serial Number 499 — Anchor Length 16 ft. — Size 5½ in. OD

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 4½XH in.

Blow: Intiial flow period strong blow; gas to surface in three minutes. See attached sheet for gas measurements. Strong blow on final flow period.

Recovered ------- ft. of None

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:25 A.M. P.M. — Time Started Off Bottom 1:10 A.M. P.M. — Maximum Temperature 114°

Initial Hydrostatic Pressure			(A) 2234 P.S.I.			
Initial Flow Period	Minutes 25	(B) 149 P.S.I.	to	(C) 115 P.S.I.		
Initial Closed In Period	Minutes 48	(D) 1806 P.S.I.				
Final Flow Period	Minutes 60	(E) 141 P.S.I.	to	(F) 90 P.S.I.		
Final Closed In Period	Minutes 90	(G) 1796 P.S.I.				
Final Hydrostatic Pressure			(H) 2219 P.S.I.			

GAS FLOW REPORT

Date 9/24/82 Ticket 16541 Company Molz Oil Company

Well Name and No. Eck #1 Dst No. 1 Interval Tested 4334'-4350'

County Barber State Kansas Sec. 30 Twp. 32S Rg. 10W

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
Gas to surface in three mintues; Time 9:28PM			**PRE FLOW**			
10 min.	18 PSIG	1" orifice				687,000 CFPD
20 min.	14 PSIG	1" orifice				577,000 CFPD
30 min.	14 PSIG	1" orifice				577,000 CFPD
Open at 10:40			**SECOND FLOW**			
10:40 .	14 PSIG	1" orifice				577,000 CFPD
10 min.	14 PSIG	1" orifice				577,000 CFPD
20 min.	12 PSIG	1" orifice				526,000 CFPD
30 min.	12 PSIG	1" orifice				526,000 CFPD
40 min.	12 PSIG	1" orifice				526,000 CFPD
50 min.	10 PSIG	1" orifice				472,000 CFPD
60 min.	10 PSIG	1" orifice				472,000 CFPD

GAS BOTTLE

Serial No. #43 Date Bottle Filled 9/24/82 Date to be Invoiced 9/24/82

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 Molz Oil Company

Authorized by Gordon W. Keen

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 9/24/82 Test Ticket No. 16541

Recorder No. 3659 Capacity 4000 Location 4340 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2234 P.S.I.	Open Tool	9:25 M	
B First Initial Flow Pressure	149 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	115 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1806 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	141 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	90 P.S.I.			
G Final Closed-in Pressure	1796 P.S.I.			
H Final Hydrostatic Mud	2219 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	149
P 2 5	149
P 3 10	135
P 4 15	124
P 5 20	119
P 6 25	115
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	115
3	1054
6	1403
9	1530
12	1602
15	1649
18	1681
21	1708
24	1727
27	1744
30	1759
33	1769
36	1779
39	1789
42	1797
45	1803
48	1806

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

Point Minutes	Press.
0	141
5	141
10	122
15	114
20	106
25	102
30	99
35	97
40	95
45	93
50	92
55	91
60	90

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	90
3	886
6	1288
9	1423
12	1494
15	1544
18	1581
21	1609
24	1632
27	1650
30	1669
33	1683
36	1696
39	1706
42	1716
45	1724
48	1732
51	1740
54	1746
57	1751
60	1756

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 9/24/82 Test Ticket No. 16541

Recorder No. 3659 Capacity 4000 Location 4340 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2234 P.S.I.	Open Tool	9:25 M	
B First Initial Flow Pressure	149 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	115 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1806 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	141 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	90 P.S.I.			
G Final Closed-in Pressure	1796 P.S.I.			
H Final Hydrostatic Mud	2219 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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

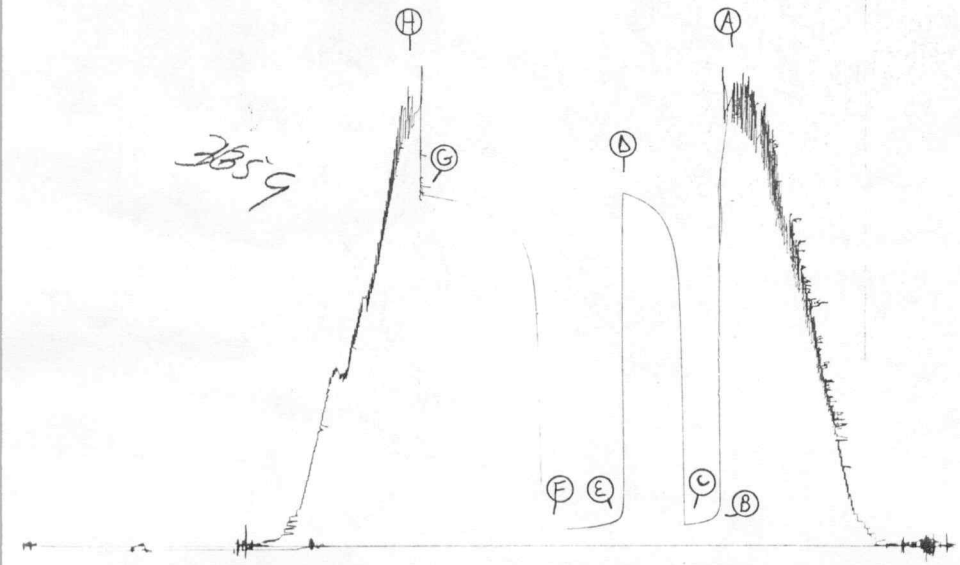
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 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	1761
P 2						66	1766
P 3						69	1771
P 4						72	1776
P 5						75	1780
P 6						78	1784
P 7						81	1787
P 8						84	1790
P 9						87	1793
P10						90	1796
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

IKT # 16541

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Company Molz Oil Company — Lease & Well No. #1 Eck

Elevation 1471 Ground Level — Formation Cherokee — Effective Pay --- Ft. — Ticket No. 16542

Date 9/ 25 /82 — Sec. 30 — Twp. 32S — Range 10W — County Barber — State Kansas

Test Approved by Gordon W. Keen — Western Representative Gregory Saffa

Formation Test No. 2 — Interval Tested from 4407 ft. to 4420 ft. — Total Depth 4420 ft.

Packer Depth 4402 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Packer Depth 4407 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4410 ft. — Recorder Number 3659 — Cap. 4000

Bottom Recorder Depth (Outside) 4415 ft. — Recorder Number 13401 — Cap. 4000

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

Drilling Contractor Sweetman Drlg. Rig #1 — Drill Collar Length 248 — I. D. 2.2 in.

Mud Type starch — Viscosity 47 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 7 cc. — Drill Pipe Length 4132 — I. D. 3.8 in.

Chlorides Not Available P.P.M. — Test Tool Length 27 ft. — Tool Size 5½ in.

Jars: Make WTC — Serial Number 499 — Anchor Length 13 ft. — Size 5½ 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 4½XH in.

Blow: Initial flow period strong blow throughout. Strong blow throughout final flow period-gas to surface in forty minutes not enough to gauge.

Recovered 230 ft. of heavy oil and gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:15 A.M. ~~P.M.~~ — Time Started Off Bottom 8:00 A.M. ~~P.M.~~ — Maximum Temperature 110°

Initial Hydrostatic Pressure		(A) 2251 P.S.I.		
Initial Flow Period	Minutes 30	(B) 73 P.S.I.	to (C) 84	P.S.I.
Initial Closed In Period	Minutes 45	(D) 1637 P.S.I.		
Final Flow Period	Minutes 60	(E) 84 P.S.I.	to (F) 111	P.S.I.
Final Closed In Period	Minutes 93	(G) 1692 P.S.I.		
Final Hydrostatic Pressure		(H) 2243 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9/25/82 Test Ticket No. 16542

Recorder No. 3659 Capacity 4000 Location 4410 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2251 P.S.I.	Open Tool	4:15A M	
B First Initial Flow Pressure	73 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	84 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1637 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	84 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	111 P.S.I.			
G Final Closed-in Pressure	1692 P.S.I.			
H Final Hydrostatic Mud	2243 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	73
P 2 5	73
P 3 10	73
P 4 15	76
P 5 20	79
P 6 25	82
P 7 30	84
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	84
3	214
6	302
9	386
12	476
15	568
18	673
21	791
24	928
27	1079
30	1238
33	1393
36	1504
39	1570
42	1612
45	1637

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

Point Minutes	Press.
0	84
5	84
10	84
15	86
20	89
25	92
30	95
35	98
40	101
45	105
50	108
55	110
60	111

Final Shut-In
Breakdown: 31 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	111
3	192
6	265
9	337
12	415
15	488
18	558
21	630
24	705
27	786
30	878
33	972
36	1071
39	1177
42	1272
45	1365
48	1446
51	1511
54	1552
57	1586
60	1610

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 9/25/82 Test Ticket No. 16542

Recorder No. 3659 Capacity 4000 Location 4410 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 110 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2251 P.S.I.		Open Tool	4:15A	M		
B	First Initial Flow Pressure	73 P.S.I.		First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	84 P.S.I.		Initial Closed-in Pressure	45	Mins.	45	Mins.
D	Initial Closed-in Pressure	1637 P.S.I.		Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	84 P.S.I.		Final Closed-in Pressure	90	Mins.	93	Mins.
F	Second Final Flow Pressure	111 P.S.I.						
G	Final Closed-in Pressure	1692 P.S.I.						
H	Final Hydrostatic Mud	2243 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: 15 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.

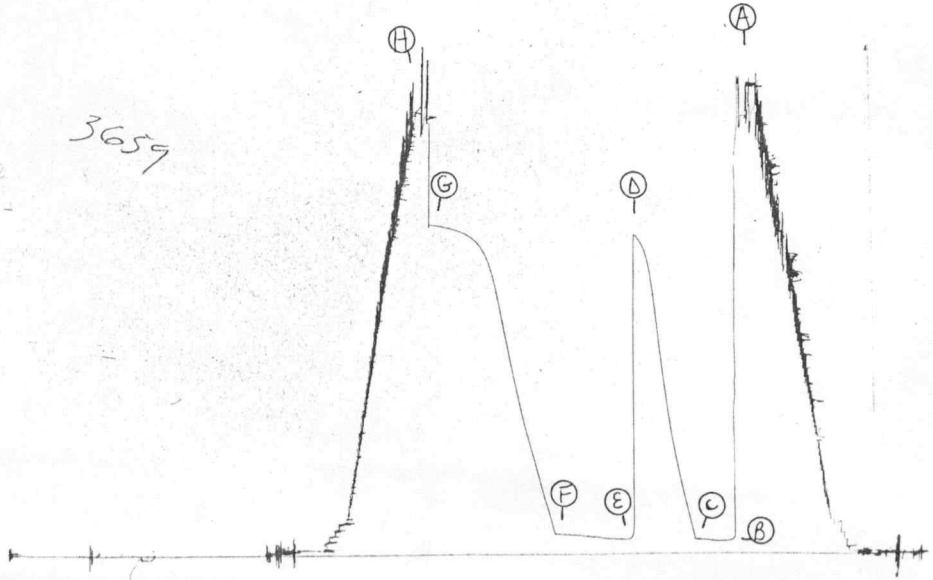
Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1626
P 2						66	1639
P 3						69	1650
P 4						72	1659
P 5						75	1666
P 6						78	1671
P 7						81	1676
P 8						84	1681
P 9						87	1686
P10						90	1690
P11						93	1692
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT #16542

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3659



Company Molz Oil Company — Lease & Well No. #1 Eck

Elevation 1471 Ground Level — Formation Mississippi — Effective Pay --- Ft. — Ticket No. 16543

Date 9/ 26 /82 — Sec. 30 — Twp. 32S — Range 10W — County Barber — State Kansas

Test Approved by Gordon W. Keen — Western Representative Gregory Saffa

Formation Test No. 3 — Interval Tested from 4475 ft. to 4490 ft. — Total Depth 4490 ft.

Packer Depth 4470 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Packer Depth 4473 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4482 ft. — Recorder Number 3659 — Cap. 4000

Bottom Recorder Depth (Outside) 4483 ft. — Recorder Number 13401 — Cap. 4000

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

Drilling Contractor Sweetman Drlg. Rig #1 — Drill Collar Length 248 — I. D. 2.2 in.

Mud Type starch — Viscosity 49 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 8 cc. — Drill Pipe Length 4200 — I. D. 3.8 in.

Chlorides Not Available P.P.M. — Test Tool Length 27 ft. — Tool Size 5½ in.

Jars: Make WTC — Serial Number 499 — Anchor Length 15 ft. — Size 5½ 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 4½XH in.

Blow: Strong blow throughout both flow periods.

Recovered 60 ft. of gas cut mud

Recovered 60 ft. of slightly oil and gas cut mud

Recovered 60 ft. of slightly oil and gas cut watery mud

Recovered 60 ft. of slightly oil cut muddy water

Recovered 120 ft. of gas cut salt water

Remarks: Chlorides 110,000 ppm

Time Set Packer(s) 9:15 A.M. P.M. — Time Started Off Bottom 1:15 A.M. P.M. — Maximum Temperature 119°

Initial Hydrostatic Pressure		(A) 2304 P.S.I.		
Initial Flow Period	Minutes 25	(B) 85 P.S.I.	to (C) 100 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1370 P.S.I.		
Final Flow Period	Minutes 60	(E) 120 P.S.I.	to (F) 159 P.S.I.	
Final Closed In Period	Minutes 90	(G) 1368 P.S.I.		
Final Hydrostatic Pressure		(H) 2304 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9/26/82 Test Ticket No. 16543

Recorder No. 3659 Capacity 4000 Location 4482 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 119 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2304 P.S.I.	Open Tool		9:15 M	
B	First Initial Flow Pressure	85 P.S.I.	First Flow Pressure		30 Mins.	25 Mins.
C	First Final Flow Pressure	100 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1370 P.S.I.	Second Flow Pressure		60 Mins.	60 Mins.
E	Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
F	Second Final Flow Pressure	159 P.S.I.				
G	Final Closed-in Pressure	1368 P.S.I.				
H	Final Hydrostatic Mud	2304 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	85
P 2 5	85
P 3 10	87
P 4 15	89
P 5 20	96
P 6 25	100
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	100
3	294
6	457
9	622
12	755
15	869
18	954
21	1030
24	1091
27	1141
30	1181
33	1214
36	1246
39	1273
42	1295
45	1313
48	1327
51	1340
54	1350
57	1360
60	1370

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

Point Minutes	Press.
0	120
5	122
10	127
15	128
20	132
25	136
30	139
35	142
40	145
45	149
50	152
55	155
60	159

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	159
3	353
6	518
9	647
12	761
15	857
18	938
21	1000
24	1048
27	1086
30	1121
33	1151
36	1177
39	1200
42	1219
45	1236
48	1253
51	1268
54	1281
57	1292
60	1303

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WESTERN TESTING CO., INC.
Pressure Data

Date 9/26/82 Test Ticket No. 16543

Recorder No. 3659 Capacity 4000 Location 4482 Ft.

Clock No. - Elevation 1471 Ground Level Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2304 P.S.I.	Open Tool	9:15 M	
B First Initial Flow Pressure	85 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	100 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1370 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	159 P.S.I.			
G Final Closed-in Pressure	1368 P.S.I.			
H Final Hydrostatic Mud	2304 P.S.I.			

PRESSURE BREAKDOWN

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

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

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

Final Shut-In
Breakdown: 30 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	1313
P 2						66	1322
P 3						69	1330
P 4						72	1338
P 5						75	1344
P 6						78	1349
P 7						81	1354
P 8						84	1359
P 9						87	1364
P10						90	1368
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16543

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