Company McCoy Petroleum Corporation — Lease & Well No. Lauterbach #2

Elevation 1726 Kelly Bushing — Formation Mississippi — Effective Pay ------ Ft. — Ticket No. 6139

Date 7/13/80 — Sec. 20 — Twp. 30S — Range 9W — County Kingman — State Kansas

Test Approved by H. Deane Jirrels — Western Representative Rod Tritt

Formation Test No. 1 — Interval Tested from 4378 ft. to 4397 ft. — Total Depth 4397 ft.

Packer Depth 4373 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4378 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4380 ft. — Recorder Number 2606 — Cap. 4150

Bottom Recorder Depth (Outside) 4388 ft. — Recorder Number 4332 — Cap. 4200

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

Drilling Contractor Sweetman Drilling — Drill Collar Length 276 — I. D. 2¼ in.

Mud Type chemical-starch — Viscosity 57 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss 8.0 cc. — Drill Pipe Length 4083 — I. D. 3.8 in.

Chlorides N.C. P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 18 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow initial flow. Gas to surface in two minutes. See attached sheet for gas measurements. (No sample taken)

Recovered 150 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:10 ~~P.M.~~ A.M. — Time Started Off Bottom 10:25 P.M. — Maximum Temperature 123°

Initial Hydrostatic Pressure		(A) 2230 P.S.I.		
Initial Flow Period	Minutes 30	(B) 210 P.S.I.	to (C) 202 P.S.I.	
Initial Closed In Period	Minutes 45	(D) 900 P.S.I.		
Final Flow Period	Minutes 55	(E) 218 P.S.I.	to (F) 177 P.S.I.	
Final Closed In Period	Minutes 63	(G) 844 P.S.I.		
Final Hydrostatic Pressure		(H) 2105 P.S.I.		

GAS FLOW REPORT

Date 7/13/80 Ticket 6139 Company McCoy Petroleum Corporation

Well Name and No. Lauterbach #2 Dst No. 1 Interval Tested 4378'-4397'

County Kingman State Kansas Sec. 20 Twp. 30S Rg. 9W

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
7:10 AM	TOOL OPEN			**PRE FLOW**		
	2 min.					GAS TO SURFACE
	5 min.	13 lbs.	1½" orifice			1,490,000 CFPD
	10 min.	17 lbs.	1½" orifice			1,760,000 CFPD
	15 min.	19 lbs.	1½" orifice			1,887,000 CFPD
	20 min.	19 lbs.	1½" orifice			1,887,000 CFPD
	25 min.	18 lbs.	1½" orifice			1,824,000 CFPD
	30 min.	18 lbs.	1½" orifice			1,824,000 CFPD
8:25 AM	TOOL OPEN			**SECOND FLOW**		
	5 min.	16 lbs.	1½" orifice			1,694,000 CFPD
	10 min.	20 lbs.	1½" orifice			1,949,000 CFPD
	15 min.	21 lbs.	1½" orifice			2,012,000 CFPD
	20 min.	19 lbs.	1½" orifice			1,887,000 CFPD
	25 min.	18 lbs.	1½" orifice			1824,000 CFPD
	30 min.	18 lbs.	1½" orifice			1,824,000 CFPD
	35 min.	17 lbs.	1½" orifice			1,760,000 CFPD
	40 min.	17 lbs.	1½" orifice			1,760,000 CFPD
	45 min.	16 lbs.	1½" orifice			1,694,000 CFPD
	50 min.	16 lbs.	1½" orifice			1,694,000 CFPD
	55 min.	15 lbs.	1½" orifice			1,626,000 CFPD
	60 min.	15 lbs.	1½" orifice			1,626,000 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled -- Date to be Invoiced 7/13/80

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 MCCOY PETROLEUM CORPORATION

Authorized by H. Deane Jirrels

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 7-13-80 Test Ticket No. 6139

Recorder No. 2606 Capacity 4150 Location 4380

Clock No. ------ Elevation 1726 Kelly Bushing Well Temperature 123

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2230 P.S.I.	Open Tool	7:10 A.M.	
B	First Initial Flow Pressure	210 P.S.I.	First Flow Pressure	30 Mins.	30 Mi
C	First Final Flow Pressure	202 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mi
D	Initial Closed-in Pressure	900 P.S.I.	Second Flow Pressure	60 Mins.	55 Mi
E	Second Initial Flow Pressure	218 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mi
F	Second Final Flow Pressure	177 P.S.I.			
G	Final Closed-in Pressure	844 P.S.I.			
H	Final Hydrostatic Mud	2105 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	210
P 2 5	210
P 3 10	210
P 4 15	210
P 5 20	206
P 6 25	204
P 7 30	202
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	202
3	686
6	753
9	792
12	813
15	832
18	842
21	859
24	867
27	873
30	881
33	888
36	892
39	894
42	898
45	900

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	218
5	218
10	218
15	214
20	208
25	200
30	196
35	189
40	187
45	185
50	179
55	177

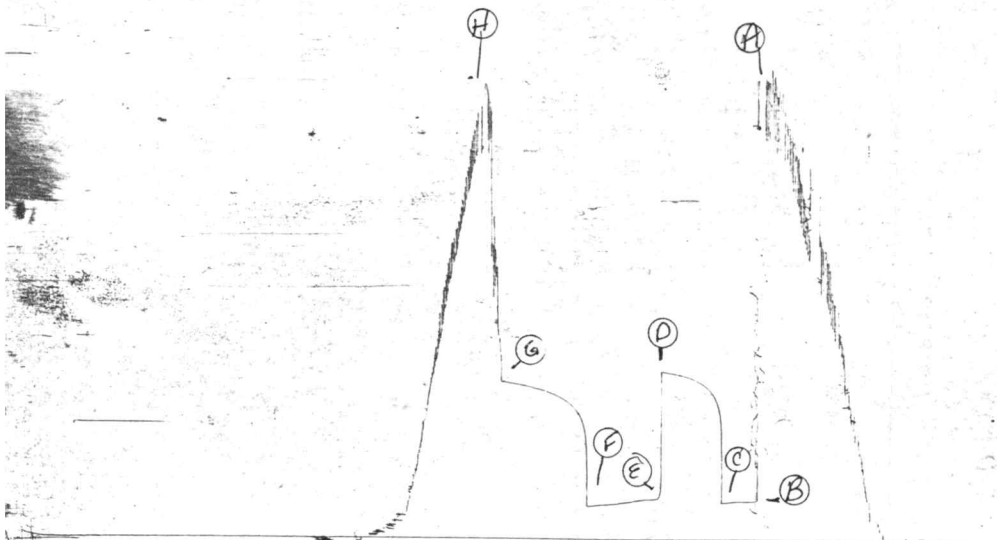
Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	177
3	593
6	651
9	686
12	713
15	736
18	750
21	763
24	775
27	784
30	792
33	802
36	809
39	811
42	817
45	823
48	827
51	832
54	835
57	840
60	842
63	844

2666

Jkt #.613.9

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Company McCoy Petroleum Corp. Lease & Well No. Lauterbach #2

Elevation 1726 Kelly Bushing Formation Mississippi Effective Pay --- Ft. Ticket No. 6140

Date 7-13-80 Sec. 20 Twp. 30 S Range 9W County Kingman State Kansas

Test Approved by H. Deane Jirrels Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4397 ft. to 4412 ft. Total Depth 4412 ft.

Packer Depth 4392 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Packer Depth 4397 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4381 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4384 ft. Recorder Number 4332 Cap. 4200

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

Drilling Contractor Sweetman Drilling #1 Drill Collar Length 276 I. D. 2 1/4 in.

Mud Type starch Viscosity 57 Weight Pipe Length ---- I. D. ---- in.

Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 4101 I. D. 3.8 in.

Chlorides NC P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make No Serial Number --- Anchor Length 15 ft. Size 5½ 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 4½ FH in.

Blow: Strong blow throughout test- Gas to surface 5 minutes in initial flow period.
See attached sheet for gas measurements. No gas sample taken.

Recovered 110 ft. of thin brown mud - oil Emulsion -- 6% Oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:45 ~~A.M.~~ P.M. Time Started Off Bottom 12:00 ~~A.M.~~ P.M. Maximum Temperature 124° F.

Initial Hydrostatic Pressure ..... (A) 2341 P.S.I.

Initial Flow Period ..... Minutes 25 (B) 69 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 923 P.S.I.

Final Flow Period ..... Minutes 60 (E) 77 P.S.I. to (F) 54 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 881 P.S.I.

Final Hydrostatic Pressure ..... (H) 2303 P.S.I.

GAS FLOW REPORT

Date 7/13/80 Ticket 6140 Company McCoy Petroleum Corporation

Well Name and No. Lauterbach #2 Dst No. 2 Interval Tested 4397'-4412'

County Kingman State Kansas Sec. 20 Twp 30S Rg. 9W

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
	8:45 AM	TOOL OPEN		**PRE FLOW**		
	5 min.					GAS TO SURFACE
	10 min.	2.5 lbs.	1" orifice			220,000 CFPD
	15 min.	3 lbs.	1" orifice			242,000 CFPD
	20 min.	3 lbs.	1"orifice			242,000 CFPD
	25 min.	3 lbs.	1" orifice			242,000 CFPD
	30 min.	3 lbs.	1" orifice			242,000 CFPD
	10:00PM	TOOL OPEN		**SECOND FLOW**		
	5 min.	5 lbs.	1" orifice			
	10 min.	4 lbs.	1" orifice			
	15 min.	3 lbs.	1" orifice			
	20 min.	3 lbs.	1" orifice			
	25 min.	3 lbs.	1" orifice			
	30 min.	3 lbs.	1" orifice			
	35 min.	3 lbs.	1" orifice			
	40 min.	3 lbs.	1" orifice			
	45 min.	3 lbs.	1" orifice			
	50 min.	3 lbs.	1" orifice			
	55 min.	3 lbs.	1" orifice			
	60 min.	3 lbs.	1" orifice			

GAS BOTTLE

Serial No. --0-- Date Bottle Filled --0-- Date to be Invoiced 7/13/80

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 McCoy Petroleum Corporation

Authorized by H. Deane Jirrels

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 7-13-80 Test Ticket No. 6140

Recorder No. 2606 Capacity 4150 Location 4381 Ft.

Clock No. ------ Elevation 1726 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2341 P.S.I.	Open Tool	8:45 PM	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	62 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	923 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	77 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	54 P.S.I.			
G Final Closed-in Pressure	881 P.S.I.			
H Final Hydrostatic Mud	2303 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	69
P 2 5	67
P 3 10	62
P 4 15	62
P 5 20	62
P 6 25	62
P 7	
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	62
3	604
6	763
9	817
12	840
15	861
18	875
21	888
24	896
27	904
30	906
33	911
36	915
39	918
42	921
45	923

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

Point Minutes	Press.
0	77
5	71
10	64
15	60
20	58
25	56
30	55
35	55
40	54
45	54
50	54
55	54
60	54

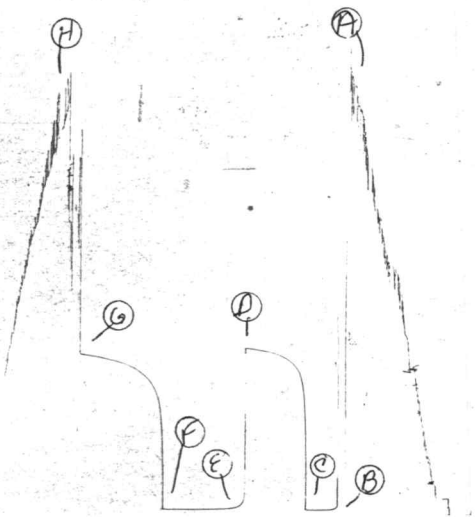
Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	54
3	554
6	666
9	717
12	748
15	771
18	790
21	804
24	817
27	825
30	834
33	840
36	847
39	852
42	856
45	861
48	865
51	869
54	872
57	876
60	881

2606 DST #2

SKT # 6140

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Company McCoy Petroleum Corporation — Lease & Well No. Lauterbach #2

Elevation 1726 Kelly Bushing — Formation Mississippi — Effective Pay ----- Ft. — Ticket No. 6141

Date 7/14/80 — Sec. 20 — Twp. 30S — Range 9W — County Kingman — State Kansas

Test Approved by H. Deane Jirrels — Western Representative Rod Tritt

Formation Test No. 3 — Interval Tested from 4412 ft. to 4422 ft. — Total Depth 4422 ft.

Packer Depth 4407 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4412 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4414 ft. — Recorder Number 2606 — Cap. 4150

Bottom Recorder Depth (Outside) 4417 ft. — Recorder Number 4332 — Cap. 4200

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

Drilling Contractor Sweetman Drilling Rig #1 — Drill Collar Length 276 — I. D. 2¼ in.

Mud Type starch — Viscosity 45 — Weight Pipe Length - — I. D. - in.

Weight 9.1 — Water Loss 18.4 cc. — Drill Pipe Length 4116 — I. D. 3.8 in.

Chlorides N.C. P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 10 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow on initial flow period. Gas to surface at second flow period. See attached sheet for gas measurements.

Recovered 110 ft. of thin dark brown mud - oil emulsion - 8% oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:35 ~~A.M.~~ P.M. — Time Started Off Bottom 2:50 ~~A.M.~~ P.M. — Maximum Temperature 124°

Initial Hydrostatic Pressure			(A) 2324	P.S.I.		
Initial Flow Period	Minutes 25	(B) 60	P.S.I. to	(C) 50	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 963	P.S.I.			
Final Flow Period	Minutes 60	(E) 60	P.S.I. to	(F) 47	P.S.I.	
Final Closed In Period	Minutes 63	(G) 971	P.S.I.			
Final Hydrostatic Pressure			(H) 2301	P.S.I.		

GAS FLOW REPORT

Date 7/14/80 Ticket 6141 Company McCoy Petroleum Corporation

Well Name and No. Lauterbach #2 Dst No. 3 Interval Tested 4412-4422'

County Kingman State Kansas Sec. 20 Twp. 30S Rg. 9W

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
	11:35 AM TOOL OPEN			**PRE FLOW**		
						NO GAS TO SURFACE
12:50 PM				**SECOND FLOW**		
	5 min.	26" of water		3/4" orifice		72,400 CFPD
	10 min.	13" of water		3/4" orifice		49,300 CFPD
	15 min.	13" of water		3/4" orifice		49,300 CFPD
	20 min.	15" of water		3/4" orifice		55,200 CFPD
	25 min.	16" of water		3/4" orifice		56,800 CFPD
	30 min.	16" of water		3/4" orifice		56,800 CFPD
	35 min.	18" of water		3/4" orifice		60,200 CFPD
	40 min.	19" of water		3/4" orifice		61,900 CFPD
	45 min.	19" of water		3/4" orifice		61,900 CFPD
	50 min.	20" of water		3/4" orifice		63,500 CFPD
	55 min.	22" of water		3/4" orifice		66,600 CFPD
	60 min.	22" of water		3/4" orifice		66,600 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 7/14/80

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 McCoy Petroleum Corporation

H. Deane Jirrels

Authorized by _____

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 7-14-80 Test Ticket No. 6141

Recorder No. 2606 Capacity 4150 Location 4414 Ft.

Clock No. ------ Elevation 1726 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2324 P.S.I.	Open Tool	11:35 AM	
B First Initial Flow Pressure	60 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	50 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	963 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	60 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	47 P.S.I.			
G Final Closed-in Pressure	971 P.S.I.			
H Final Hydrostatic Mud	2301 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	60
P 2 5	57
P 3 10	50
P 4 15	50
P 5 20	50
P 6 25	50
P 7	
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	50
3	500
6	719
9	832
12	888
15	919
18	938
21	945
24	950
27	954
30	956
33	958
36	960
39	961
42	961
45	963

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

Point Minutes	Press.
0	60
5	56
10	52
15	50
20	49
25	48
30	47
35	47
40	47
45	47
50	47
55	47
60	47

Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	47
3	705
6	850
9	902
12	927
15	942
18	949
21	954
24	958
27	959
30	963
33	965
36	967
39	968
42	969
45	969
48	969
51	969
54	970
57	971
60	971
63	971

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JKT # 6141

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