Company Robert Campbell Oil & Gas Operations Lease & Well No. Benson #1

Elevation 1573 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 13036

Date 9/11/81 Sec. 7 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A Robba Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 3280 ft. to 3294 ft. Total Depth 3294 ft.

Packer Depth 3275 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3280 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3284 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 3287 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Merckle Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type Premix Viscosity 31 Weight Pipe Length 472 I. D. 2.7 in.

Weight 9.1 Water Loss N/C cc. Drill Pipe Length 2787 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 14 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: Weak blow throughout test.

Recovered 430 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Slid tool 12 ft. to bottom Plugged Tool. MISRUN

Time Set Packer(s) 3:25 A.M. ~~P.M.~~ Time Started Off Bottom 6:55 A.M. ~~P.M.~~ Maximum Temperature -

Initial Hydrostatic Pressure (A) 1679 P.S.I.

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

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

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

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

Final Hydrostatic Pressure (H) 1679 P.S.I.

TKT # 13036

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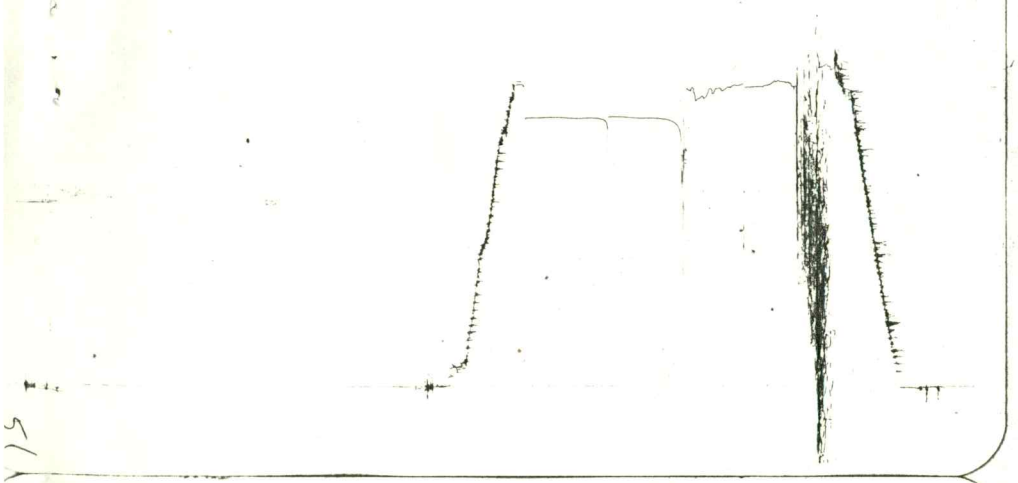

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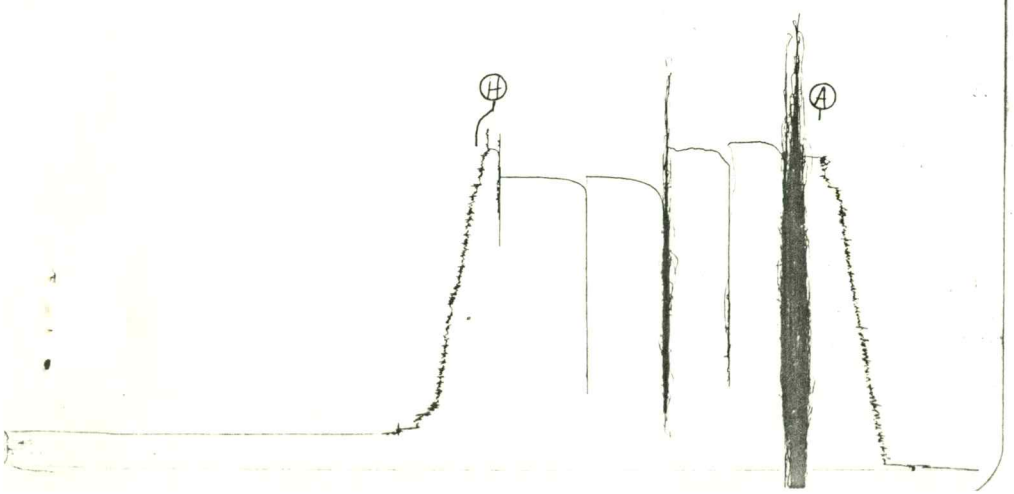

Company Robert Campbell Oil & Gas Operations Lease & Well No. Benson #1

Elevation 1573 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 13037

Date 9/11/81 Sec. 7 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A Robba Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 3283 ft. to 3294 ft. Total Depth 3294 ft.

Packer Depth 3278 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3283 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3284 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 3287 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Merckle Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type Premix Viscosity 34 Weight Pipe Length 472 I. D. 2.7 in.

Weight 9.1 Water Loss 72 cc. Drill Pipe Length 2790 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 11 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: Weak increased to strong blow on initial flow period. Fair decreased to weak blow on final flow period.

Recovered 40 ft. of slightly oil & gas cut mud

Recovered 540 ft. of salt water Chlorides 148,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Slid tool 4 ft. to bottom.

Time Set Packer(s) 3:40 ~~A.M.~~ P.M. Time Started Off Bottom 7:25 ~~A.M.~~ P.M. Maximum Temperature 110

Initial Hydrostatic Pressure (A) 1679 P.S.I.

Initial Flow Period Minutes 45 (B) 96 P.S.I. to (C) 143 P.S.I.

Initial Closed In Period Minutes 45 (D) 1065 P.S.I.

Final Flow Period Minutes 75 (E) 248 P.S.I. to (F) 286 P.S.I.

Final Closed In Period Minutes 63 (G) 927 P.S.I.

Final Hydrostatic Pressure (H) 1536 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-11-81 Test Ticket No. 13037

Recorder No. 2607 Capacity 4150 Location 3284 Ft.

Clock No. ------- Elevation 1573 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1679 P.S.I.	Open Tool	3:40 P M	
B First Initial Flow Pressure	96 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	143 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1065 P.S.I.	Second Flow Pressure	75 Mins.	75 Mins.
E Second Initial Flow Pressure	248 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	286 P.S.I.			
G Final Closed-in Pressure	927 P.S.I.			
H Final Hydrostatic Mud	1536 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	96
P 2 5	96
P 3 10	96
P 4 15	96
P 5 20	99
P 6 25	106
P 7 30	111
P 8 35	118
P 9 40	131
P10 45	143
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	143
3	646
6	793
9	858
12	887
15	914
18	937
21	958
24	977
27	994
30	1008
33	1019
36	1031
39	1044
42	1054
45	1065

Second Flow Pressure
Breakdown: 15 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	248
5	248
10	248
15	248
20	248
25	248
30	252
35	256
40	260
45	263
50	269
55	273
60	277
65	282
70	283
75	286

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

Point Minutes	Press.
0	286
3	579
6	679
9	718
12	745
15	768
18	789
21	808
24	820
27	835
30	845
33	854
36	862
39	875
42	885
45	891
48	897
51	902
54	908
57	915
60	923
63	927

Pkt # 13037

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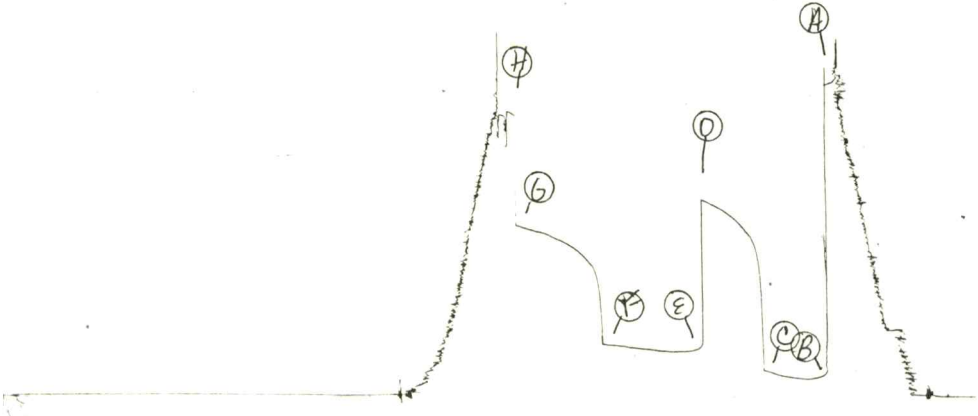

Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Benson #1

Elevation 1573 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 13040

Date 9/14/81 Sec. 7 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A Robba Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4086 ft. to 4113 ft. Total Depth 4113 ft.

Packer Depth 4081 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4086 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4103 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4106 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Merckle Rig #1 Drill Collar Length - I. D. - in.

Mud Type Premix Viscosity 50 Weight Pipe Length 472 I. D. 2.7 in.

Weight 9.3 Water Loss 10.4 cc. Drill Pipe Length 3593 I. D. 3.8 in.

Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 27 ft. Size 5½OD in.

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

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

Blow: Strong blow throughout test. Gas to surface in 6 minutes on preflow.
See attached sheet for gas measurements.

Recovered 90 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:30 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 1:45 ~~A.M.~~ P.M. Maximum Temperature 127

Initial Hydrostatic Pressure (A) 2057 P.S.I.

Initial Flow Period Minutes 30 (B) 95 P.S.I. to (C) 78 P.S.I.

Initial Closed In Period Minutes 45 (D) 1433 P.S.I.

Final Flow Period Minutes 60 (E) 110 P.S.I. to (F) 77 P.S.I.

Final Closed In Period Minutes 60 (G) 1454 P.S.I.

Final Hydrostatic Pressure (H) 2025 P.S.I.

GAS FLOW REPORT

Date 9/14/81 Ticket 13040 Company Robert E. Campbell Oil & Gas Operations

Well Name and No. Benson #1 Dst No. 3 Interval Tested 4086-4113

County Kingman State Kansas Sec. 7 Twp. 29S Rg. 6W

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			
	Gas to surface in 6 minutes.					
	10 Min	10" water	1" Orifice			81,600 C.F.P.D.
	20 Min	8" water	1" Orifice			73,100 C.F.P.D.
	30 Min	7" water	1" Orifice			68,300 C.F.P.D.
			SECOND FLOW			
	Open	30" water	1" Orifice			141,000 C.F.P.D.
	10 Min	9" water	1" Orifice			77,500 C.F.P.D.
	20 Min	7" water	1" Orifice			68,300 C.F.P.D.
	30 Min	6" water	1" Orifice			63,300 C.F.P.D.
	40 Min	30" water	½" Orifice			34,300 C.F.P.D.
	50 Min	30" water	½" Orifice			34,300 C.F.P.D.
	60 Min	30" water	½" Orifice			34,300 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/14/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robert E Campbell Oil & Gas Operation

Authorized by Richard A Robba

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 9/14/81 Test Ticket No. 13040

Recorder No. 2607 Capacity 4150 Location 4103 Ft.

Clock No. - Elevation 1573 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2057 P.S.I.	Open Tool	10:30A M	
B First Initial Flow Pressure	95 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1433 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	110 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	77 P.S.I.			
G Final Closed-in Pressure	1454 P.S.I.			
H Final Hydrostatic Mud	2025 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	95
P 2 5	95
P 3 10	95
P 4 15	87
P 5 20	82
P 6 25	80
P 7 30	78
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	78
3	529
6	779
9	937
12	1042
15	1119
18	1178
21	1215
24	1253
27	1293
30	1324
33	1355
36	1376
39	1395
42	1412
45	1433

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

Point Minutes	Press.
0	110
5	99
10	84
15	79
20	76
25	75
30	76
35	74
40	74
45	74
50	74
55	76
60	77

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

Point Minutes	Press.
0	77
3	400
6	681
9	841
12	939
15	1025
18	1098
21	1155
24	1203
27	1245
30	1278
33	1307
36	1328
39	1355
42	1376
45	1393
48	1408
51	1418
54	1433
57	1443
60	1454

TKT # 13040

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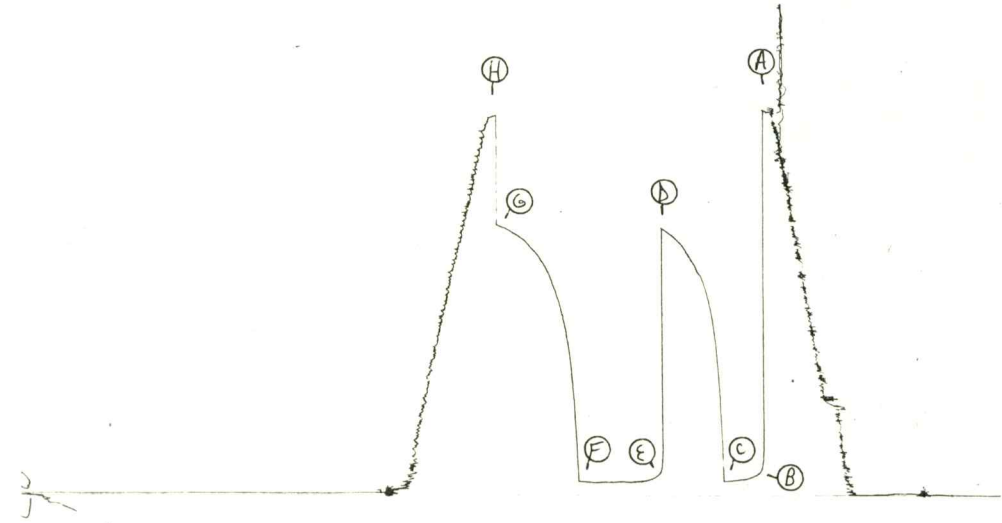

Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Benson #1

Elevation 1573 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 13041

Date 9/15/81 Sec. 7 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A Robba Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4111 ft. to 4139 ft. Total Depth 4139 ft.

Packer Depth 4106 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4111 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4129 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4132 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Merckle Rig #1 Drill Collar Length - I. D. - in.

Mud Type Premix Viscosity 50 Weight Pipe Length 472 I. D. 2.7 in.

Weight 9.3 Water Loss 10.4 cc. Drill Pipe Length 3618 I. D. 3.8 in.

Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 28 ft. Size 5½OD in.

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

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

Blow: STrong blow throughout test. Gas to surface in 5 minutes on second flow.
See attached sheet for gas measurements.

Recovered 90 ft. of gas cut mud (few specks of oil)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:45 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 5:45 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 127

Initial Hydrostatic Pressure			(A) 2120	P.S.I.		
Initial Flow Period	Minutes 45	(B) 88	P.S.I. to	(C) 86	P.S.I.	
Initial Closed In Period	Minutes 48	(D) 1462	P.S.I.			
Final Flow Period	Minutes 90	(E) 88	P.S.I. to	(F) 90	P.S.I.	
Final Closed In Period	Minutes 69	(G) 1433	P.S.I.			
Final Hydrostatic Pressure			(H) 2025	P.S.I.		

GAS FLOW REPORT

Date 9/15/81 Ticket 13041 Company Robert E. Campbell Oil & Gas Operations

Well Name and No. Benson #1 Dst No. 4 Interval Tested 4111-4139

County Kingman State Kansas Sec. 7 Twp. 29S Rg. 6W

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 5 minutes					
	10 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	20 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	30 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	40 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	50 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	60 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	70 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	80 Min	12" water	¼" Orifice			5,860 C.F.P.D.
	90 Min	12" water	¼" Orifice			5,860 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/15/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robert E Campbell Oil & Gas Operati

Authorized by Richard A Robba

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 9/15/81 Test Ticket No. 13041

Recorder No. 2607 Capacity 4150 Location 4129 Ft.

Clock No. - Elevation 1573 Kelly Bushing Well Temperature 127 °F

Point	Pressure	
A Initial Hydrostatic Mud	2120	P.S.I.
B First Initial Flow Pressure	88	P.S.I.
C First Final Flow Pressure	86	P.S.I.
D Initial Closed-in Pressure	1462	P.S.I.
E Second Initial Flow Pressure	88	P.S.I.
F Second Final Flow Pressure	90	P.S.I.
G Final Closed-in Pressure	1433	P.S.I.
H Final Hydrostatic Mud	2025	P.S.I.

	Time Given	Time Computed
Open Tool	1:45A M	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	45 Mins.	48 Mins.
Second Flow Pressure	90 Mins.	90 Mins.
Final Closed-in Pressure	60 Mins.	69 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	88
P 2 5	88
P 3 10	88
P 4 15	88
P 5 20	88
P 6 25	89
P 7 30	90
P 8 35	90
P 9 40	90
P10 45	86
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	86
3	466
6	743
9	941
12	1082
15	1178
18	1249
21	1301
24	1332
27	1359
30	1378
33	1399
36	1418
39	1431
42	1445
45	1456
48	1462

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	88
5	88
10	88
15	88
20	88
25	88
30	88
35	88
40	88
45	88
50	88
55	88
60	88
65	88
70	88
75	88
80	88
85	89
90	90

Final Shut-In
Breakdown: 23 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	90
3	508
6	768
9	939
12	1044
15	1119
18	1167
21	1207
24	1240
27	1265
30	1286
33	1307
36	1326
39	1341
42	1351
45	1366
48	1376
51	1389
54	1397
57	1406
60	1414
63	1421
66	1429
69	1433

WTC - 4

TKT # 13041

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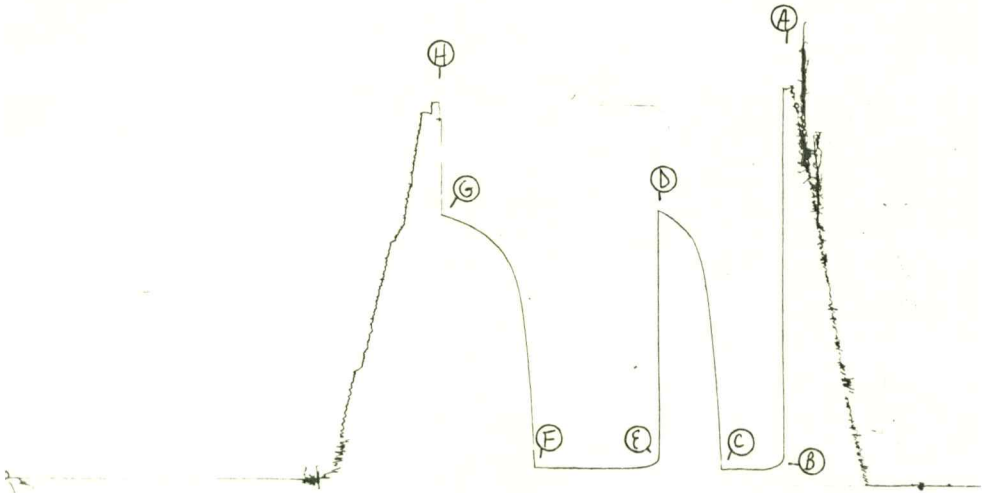

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