Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison — Lease & Well No. Jorns #1

Elevation ------ Formation Lansing — Effective Pay - Ft. — Ticket No. 14858

Date 6/27/81 — Sec. 17 — Twp. 26S — Range 11W — County Pratt — State Kansas

Test Approved by D. S. Munn — Western Representative Jeff Piotrowski

Formation Test No. 1 — Interval Tested from 3632 ft. to 3665 ft. — Total Depth 3665 ft.

Packer Depth 3627 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3632 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3635 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 3638 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Big Cat Drlg. Rig #1 — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type starch — Viscosity 40 — Weight Pipe Length 720 — I. D. 3.2 in.

Weight 9.5 — Water Loss 15.6 cc. — Drill Pipe Length 2625 — I. D. 3.8 in.

Chlorides 70,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ OD in.

Jars: Make - — Serial Number - — Anchor Length 33 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: Fair building to strong initial flow period. Strong throughout final flow period.

Recovered 60 ft. of slightly oil and gas cut mud

Recovered 180 ft. of heavy oil and gas cut mud

Recovered 60 ft. of watery oil cut mud

Recovered 180 ft. of water

Recovered ft. of

Remarks:

Time Set Packer(s) 7:10 ~~A.M.~~ P.M. — Time Started Off Bottom 10:10 ~~A.M.~~ P.M. — Maximum Temperature 110°

Initial Hydrostatic Pressure			(A) 1856	P.S.I.		
Initial Flow Period	Minutes 30	(B) 68	P.S.I. to	(C) 123	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 1726	P.S.I.			
Final Flow Period	Minutes 60	(E) 157	P.S.I. to	(F) 236	P.S.I.	
Final Closed In Period	Minutes 45	(G) 1215 *	P.S.I.			
Final Hydrostatic Pressure			(H) 1805	P.S.I.		

WT

WESTERN TESTING CO., INC.
Pressure Data

Date 6/27/81 Test Ticket No. 14858

Recorder No. 5673 Capacity 5400 Location 3635 Ft.

Clock No. --- Elevation --- Well Temperature 110 °F

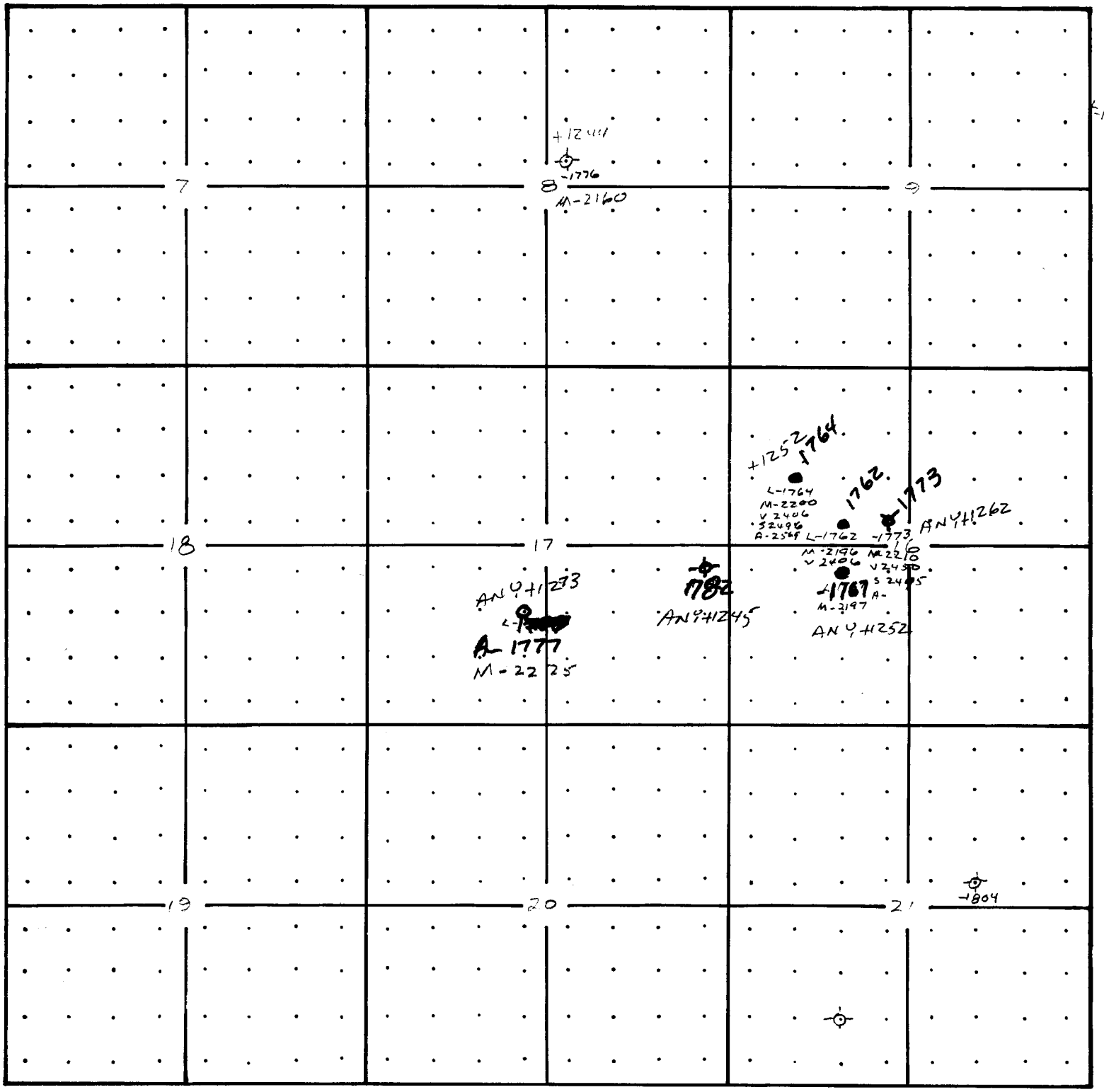
Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1856 P.S.I.		Open Tool	7:10P M	
B	First Initial Flow Pressure	68 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	123 P.S.I.		Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1726 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	157 P.S.I.		Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	236 P.S.I.				
G	Final Closed-in Pressure	1215 * P.S.I.				
H	Final Hydrostatic Mud	1805 P.S.I.				

* PRESSURES QUESTIONABLE DUE TO SHUT-IN TOOL LEAK.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 12 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	68	0	123	0	157	0	236
P 2 5	83	3	303	5	161	3	489
P 3 10	87	6	563	10	172	6	656
P 4 15	104	9	831	15	182	9	754
P 5 20	112	12	1282	20	190	12	844
P 6 25	115	15	1499	25	197	15	960
P 7 30	123	18	1612	30	205	18	1084
P 8		21	1642	35	210	21	1187
P 9		24	1667	40	216	24	1281
P10		27	1685	45	221	27	1344
P11		30	1699	50	226	30	1390
P12		33	1709	55	232	33	1349*
P13		36	1717	60	236	36	1298*
P14		39	1721			39	1255*
P15		42	1723			42	1227*
P16		45	1726			45	1215*
P17							
P18							
P19							
P20							

WTC - 4



Prospect_____. Contract No._____ No. Points_____. Type_____

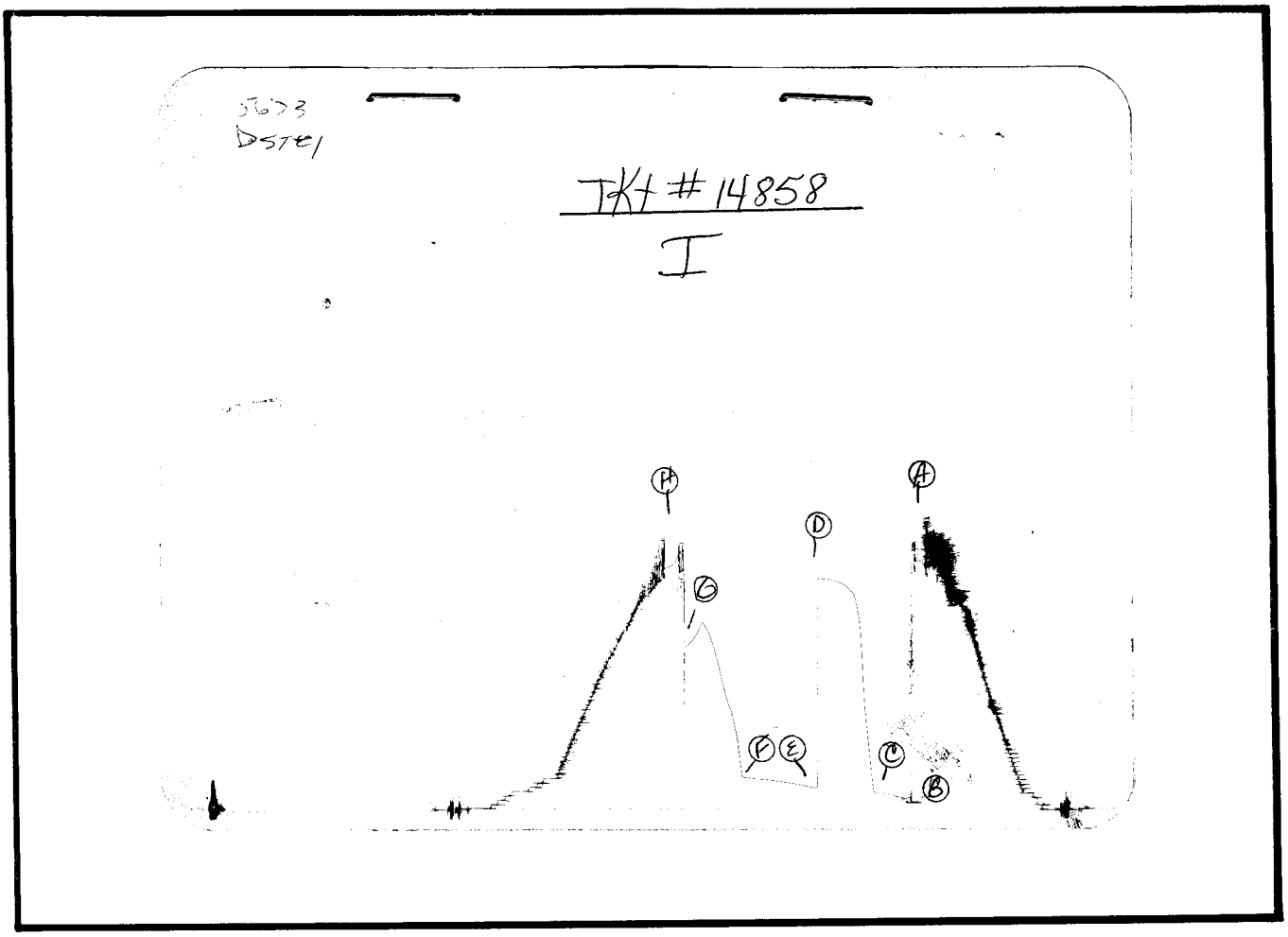
Twp._____. Rge._____. County_____. State_____. Logging_____

Spread: _____----_____-_____- O -_____-_____----_____. Stations/Cable_____. Shots/Hole_____

Type Recording_____, With 1-12_____, 13-24_____. Mix_____. Charge_____

Energy to_____. Anh._____. Hole Depth_____, or_____ft in_____. Remarks_____

Date_____ GEOSEARCH, INC. Party No._____. Assigned by:_____



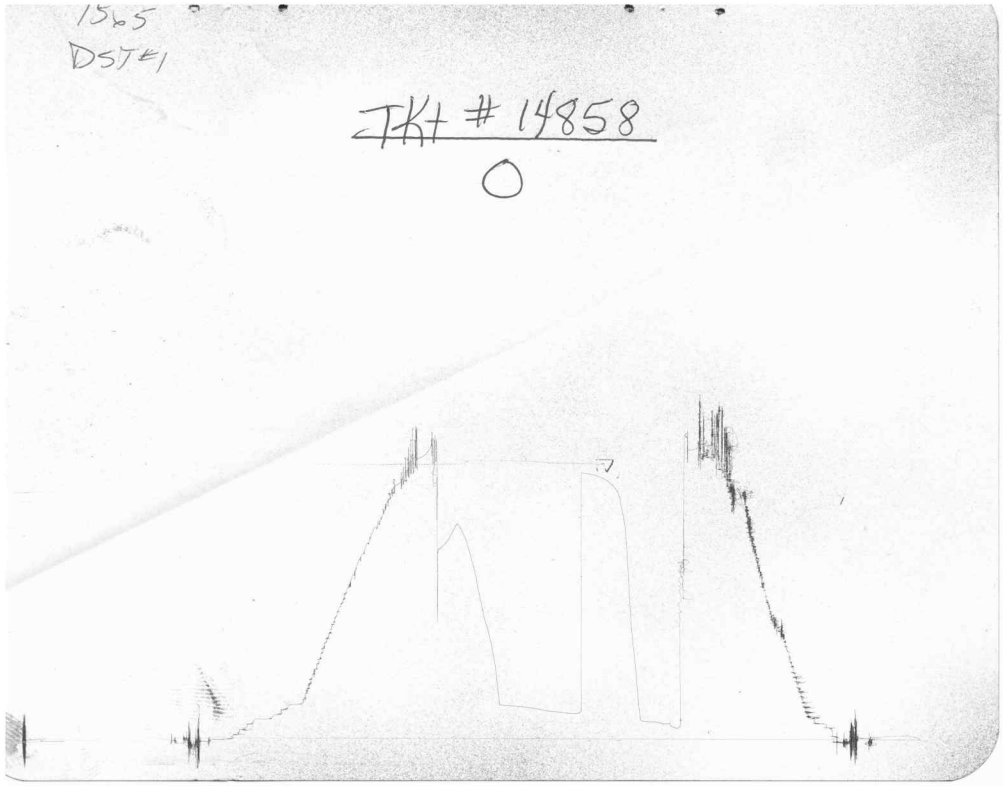
This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1850	1856	PSI
(B)	First Initial Flow Pressure	68	68	PSI
(C)	First Final Flow Pressure	136	123	PSI
(D)	Initial Closed-in Pressure	1715	1726	PSI
(E)	Second Initial Flow Pressure	150	157	PSI
(F)	Second Final Flow Pressure	232	236	PSI
(G)	Final Closed-in Pressure	1227	1215 *	PSI
(H)	Final Hydrostatic Mud	1823	1805	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. JORNS #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 1 DATE 6/27/81

1565
DST#1

IKT # 14858



WESTERN

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Jorns #1

Elevation --- Formation Lansing Effective Pay - Ft. Ticket No. 14859

Date 6/28/81 Sec. 17 Twp. 26S Range 11W County Pratt State Kansas

Test Approved by A. M------ Western Representative Jeff Piotrowski

Formation Test No. 2 Interval Tested from 3672 ft. to 3695 ft. Total Depth 3695 ft.

Packer Depth 3667 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3672 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3675 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3678 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Big Cat Drlg. Rig #1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type starch Viscosity 38 Weight Pipe Length 720 I. D. 3.2 in.

Weight 9.4 Water Loss 20.8 cc. Drill Pipe Length 2692 I. D. 3.8 in.

Chlorides 68,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 23 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 throughout test.

Recovered 30 ft. of mud (few oil specks)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:15 ~~A.M.~~ P.M. Time Started Off Bottom 6:15 ~~A.M.~~ P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure ..... (A) 1823 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 28 P.S.I. to (C) 28 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 67 P.S.I.

Final Flow Period ..... Minutes 60 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 52 P.S.I.

Final Hydrostatic Pressure ..... (H) 1823 P.S.I.

WT

WESTERN TESTING CO., INC.
Pressure Data

Date 6/28/81 Test Ticket No. 14859

Recorder No. 5673 Capacity 5400 Location 3675 Ft.

Clock No. -- Elevation --- Well Temperature 110 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1823 P.S.I.	Open Tool		3:15P M	
B	First Initial Flow Pressure	28 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure		45 Mins.	45 Mins.
D	Initial Closed-in Pressure	67 P.S.I.	Second Flow Pressure		60 Mins.	60 Mins.
E	Second Initial Flow Pressure	31 P.S.I.	Final Closed-in Pressure		45 Mins.	45 Mins.
F	Second Final Flow Pressure	31 P.S.I.				
G	Final Closed-in Pressure	52 P.S.I.				
H	Final Hydrostatic Mud	1823 P.S.I.				

PRESSURE BREAKDOWN

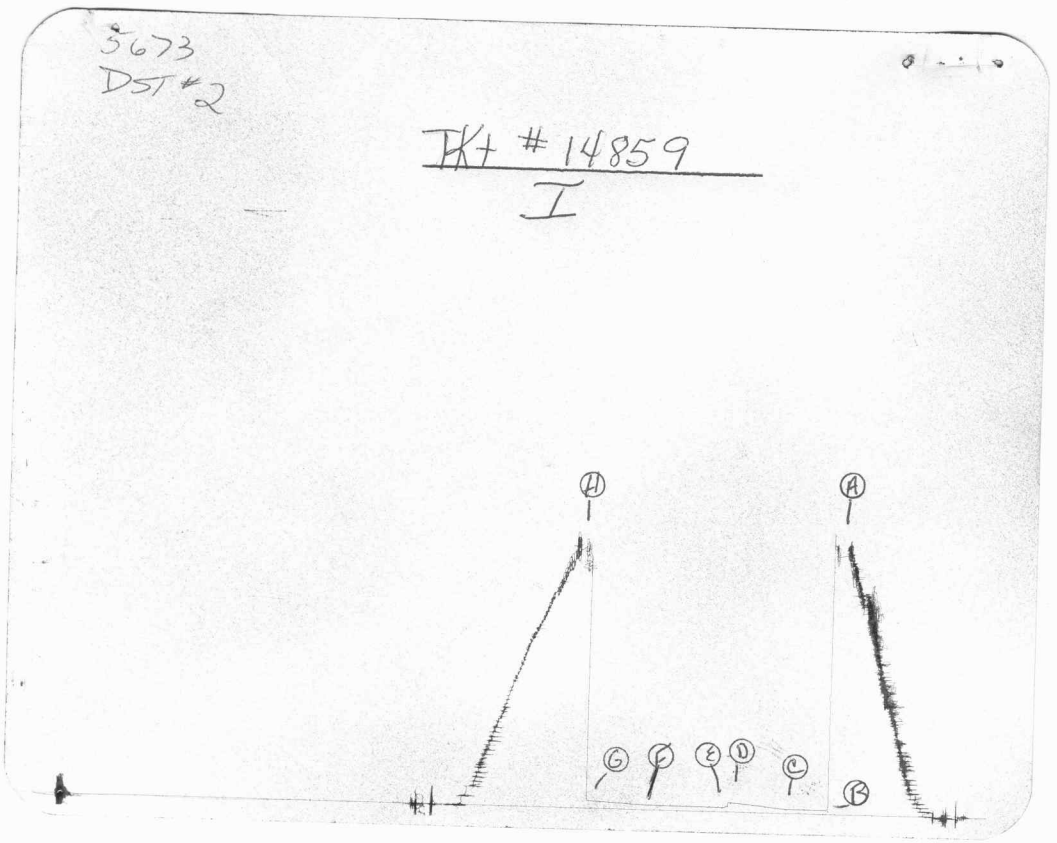
First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

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: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	28	0	28	0	31	0	31
P 2	5	28	3	30	5	31	3	32
P 3	10	28	6	33	10	31	6	34
P 4	15	28	9	36	15	31	9	36
P 5	20	28	12	39	20	31	12	38
P 6	25	28	15	41	25	31	15	40
P 7	30	28	18	45	30	31	18	42
P 8			21	48	35	31	21	43
P 9			24	51	40	31	24	44
P10			27	54	45	31	27	45
P11			30	56	50	31	30	46
P12			33	59	55	31	33	48
P13			36	62	60	31	36	49
P14			39	65			39	50
P15			42	66			42	51
P16			45	67			45	52
P17								
P18								
P19								
P20								



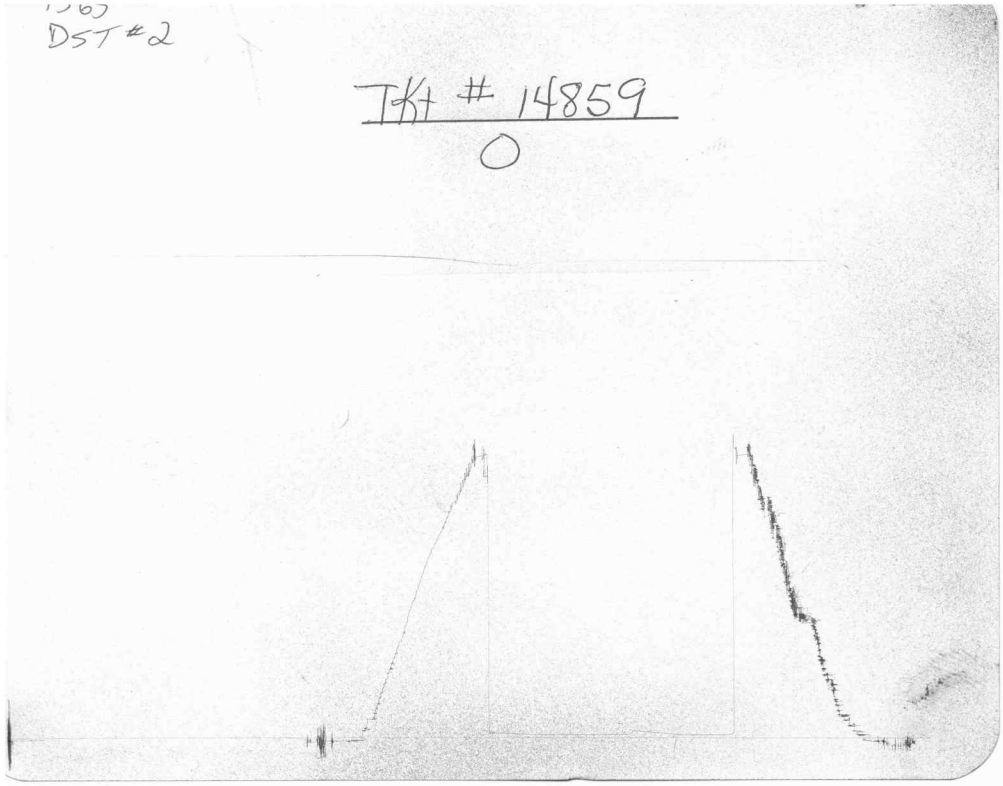
This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1837	1823	PSI
(B)	First Initial Flow Pressure	40	28	PSI
(C)	First Final Flow Pressure	40	28	PSI
(D)	Initial Closed-in Pressure	68	67	PSI
(E)	Second Initial Flow Pressure	40	31	PSI
(F)	Second Final Flow Pressure	40	31	PSI
(G)	Final Closed-in Pressure	68	52	PSI
(H)	Final Hydrostatic Mud	1837	1823	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. JORNS #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 2 DATE 6/28/81

DST #2

IKt # 14859



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison — Lease & Well No. Jorns #1

Elevation - Formation Lansing — Effective Pay - Ft. — Ticket No. 14860

Date 6/29/81 — Sec. 17 — Twp. 26S — Range 11W — County Pratt — State Kansas

Test Approved by Allen Munroe — Western Representative Jeff Piotrowski

Formation Test No. 3 — Interval Tested from 3695 ft. to 3730 ft. — Total Depth 3730 ft.

Packer Depth 3690 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3695 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3698 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 3701 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Big Cat — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type Starch — Viscosity 38 — Weight Pipe Length 720 — I. D. 3.2 in.

Weight 9.4 — Water Loss 20.8 cc. — Drill Pipe Length 2715 — I. D. 3.8 in.

Chlorides 68,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 35 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 slowly building to fair initial flow period. Weak throughout final flow period.

Recovered 180 ft. of watery mud Chlorides 98,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:15 ~~P.M.~~ A.M. — Time Started Off Bottom 10:15 ~~P.M.~~ A.M. — Maximum Temperature 112

Initial Hydrostatic Pressure			(A) 1858 P.S.I.			
Initial Flow Period	Minutes 30	(B) 45 P.S.I.	to	(C) 69 P.S.I.		
Initial Closed In Period	Minutes 48	(D) 1316 P.S.I.				
Final Flow Period	Minutes 55	(E) 81 P.S.I.	to	(F) 115 P.S.I.		
Final Closed In Period	Minutes 45	(G) 1256 P.S.I.				
Final Hydrostatic Pressure			(H) 1858 P.S.I.			

WESTERN TESTING CO., INC.
Pressure Data

Date 6/29/81 Test Ticket No. 14860

Recorder No. 5673 Capacity 5400 Location 3698 Ft.

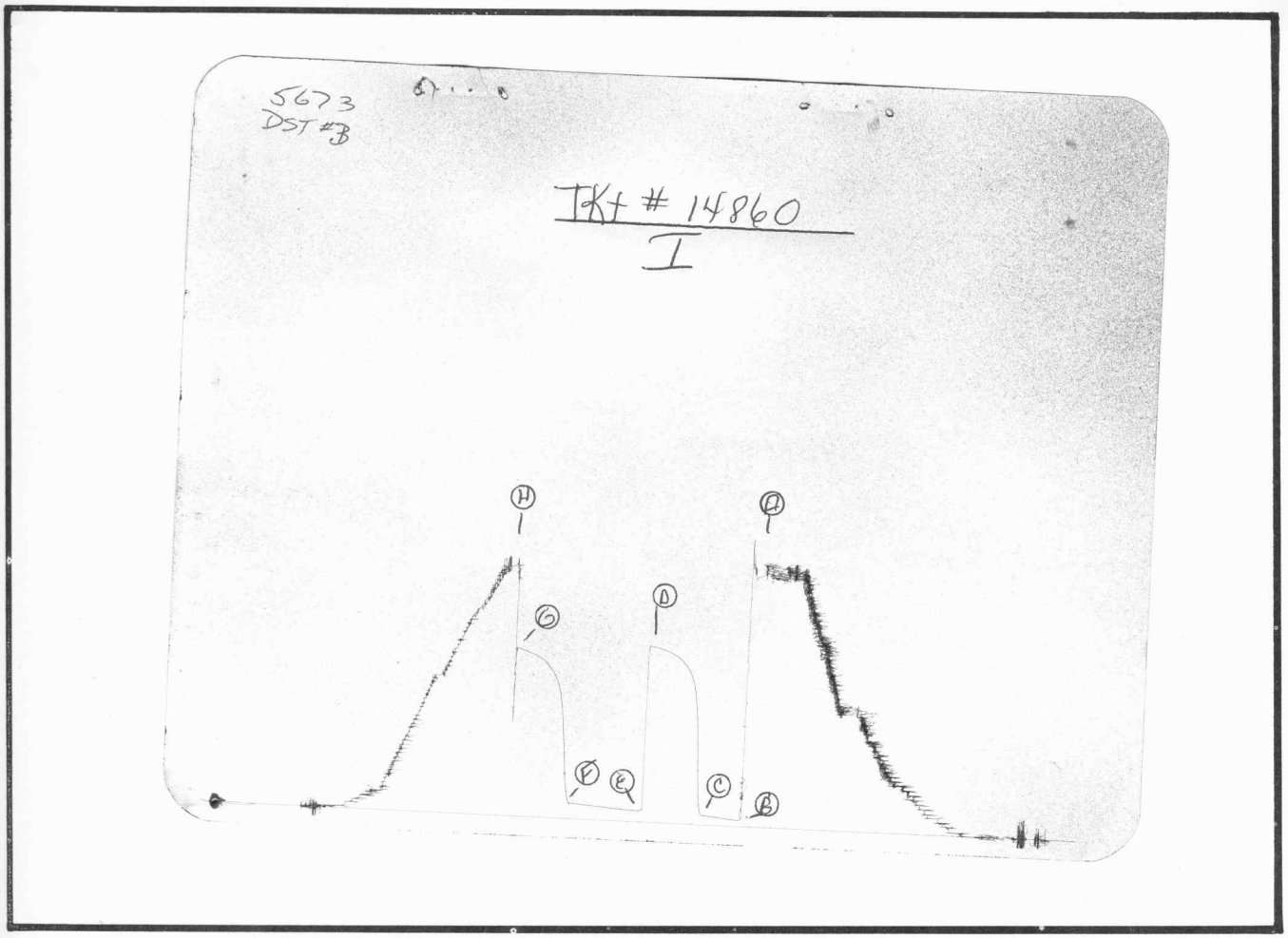
Clock No. - Elevation - Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1858 P.S.I.	Open Tool	7:15A M	
B First Initial Flow Pressure	45 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	69 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1316 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	81 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	115 P.S.I.			
G Final Closed-in Pressure	1256 P.S.I.			
H Final Hydrostatic Mud	1858 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 16 Inc.		Breakdown: 11 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	45	0	69	0	81	0	115
P 2 5	45	3	115	5	81	3	268
P 3 10	51	6	533	10	83	6	566
P 4 15	55	9	910	15	87	9	854
P 5 20	60	12	1056	20	89	12	944
P 6 25	66	15	1138	25	93	15	1060
P 7 30	69	18	1182	30	97	18	1106
P 8		21	1213	35	100	21	1138
P 9		24	1236	40	104	24	1168
P10		27	1255	45	107	27	1187
P11		30	1270	50	111	30	1203
P12		33	1282	55	115	33	1217
P13		36	1293			36	1227
P14		39	1301			39	1236
P15		42	1306			42	1246
P16		45	1313			45	1256
P17		48	1316				
P18							
P19							
P20							

WTC - 4



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1864	1858	PSI
(B)	First Initial Flow Pressure	54	45	PSI
(C)	First Final Flow Pressure	68	69	PSI
(D)	Initial Closed-in Pressure	1308	1316	PSI
(E)	Second Initial Flow Pressure	68	81	PSI
(F)	Second Final Flow Pressure	95	115	PSI
(G)	Final Closed-in Pressure	1254	1256	PSI
(H)	Final Hydrostatic Mud	1864	1858	PSI

COMPANY J. A. Allison LEASE AND WELL NO. Jorns #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 3 DATE 6/29/81

1365
DST #3

Tkt # 14860
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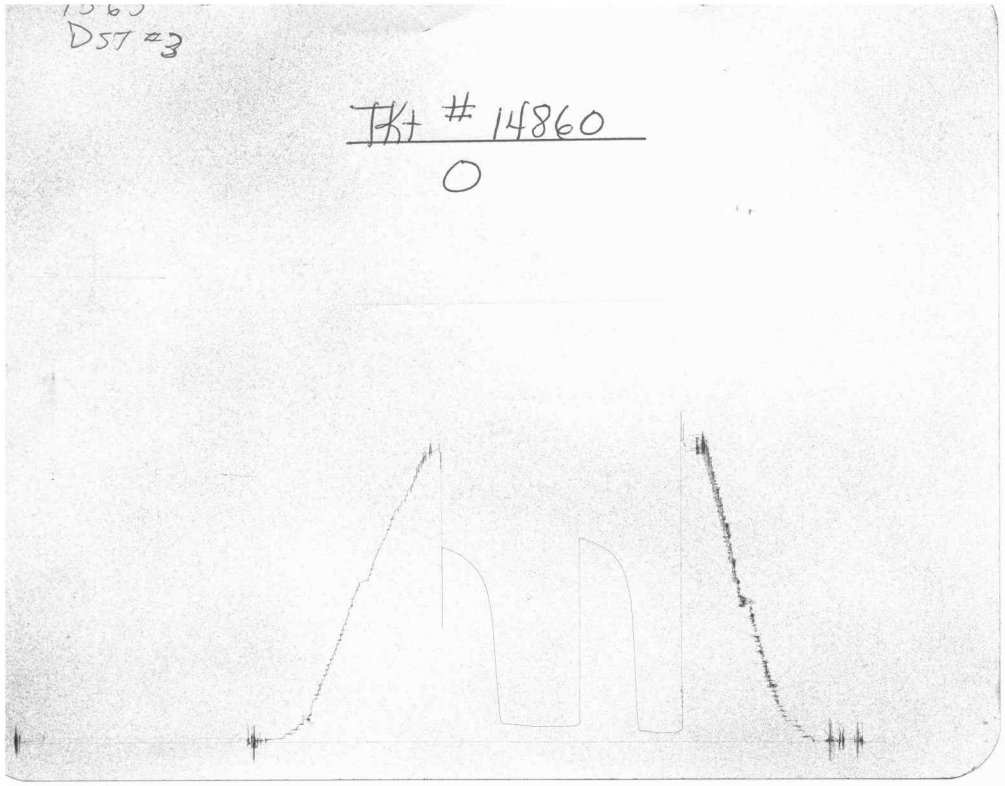


Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison — Lease & Well No. Jorns #1

Elevation - Formation Lansing — Effective Pay - Ft. — Ticket No. 14861

Date 6/29/81 — Sec. 17 — Twp. 26S — Range 11W — County Pratt — State Kansas

Test Approved by Allen S. Munroe — Western Representative Jeff Piotrowski

Formation Test No. 4 — Interval Tested from 3748 ft. to 3786 ft. — Total Depth 3786 ft.

Packer Depth 3743 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3748 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3751 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 3754 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Big Cat Rig #1 — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type Starch — Viscosity 38 — Weight Pipe Length 720 — I. D. 3.2 in.

Weight 9.0 — Water Loss 20.8 cc. — Drill Pipe Length 2768 — I. D. 3.8 in.

Chlorides 68,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 38 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 building to strong throughout test.

Recovered 720 ft. of water Chlorides 91,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:50 ~~A.M.~~ P.M. — Time Started Off Bottom 1:50 ~~A.M.~~ P.M. — Maximum Temperature 112

Initial Hydrostatic Pressure			(A)	1864	P.S.I.	
Initial Flow Period	Minutes 30	(B)	46	P.S.I. to (C)	164	P.S.I.
Initial Closed In Period	Minutes 45	(D)	1340	P.S.I.		
Final Flow Period	Minutes 60	(E)	197	P.S.I. to (F)	344	P.S.I.
Final Closed In Period	Minutes 45	(G)	1313	P.S.I.		
Final Hydrostatic Pressure			(H)	1864	P.S.I.	

W1

WESTERN TESTING CO., INC.
Pressure Data

Date 6/29/81 Test Ticket No. 14861

Recorder No. 5673 Capacity 5400 Location 3751 Ft.

Clock No. - Elevation - Well Temperature 112 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1864 P.S.I.		Open Tool	10:50P M	
B	First Initial Flow Pressure	46 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	164 P.S.I.		Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1340 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	197 P.S.I.		Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	344 P.S.I.				
G	Final Closed-in Pressure	1313 P.S.I.				
H	Final Hydrostatic Mud	1864 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	46
P 2 5	60
P 3 10	82
P 4 15	112
P 5 20	131
P 6 25	148
P 7 30	164
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	164
3	872
6	1081
9	1160
12	1211
15	1244
18	1266
21	1285
24	1295
27	1309
30	1317
33	1325
36	1331
39	1336
42	1339
45	1340

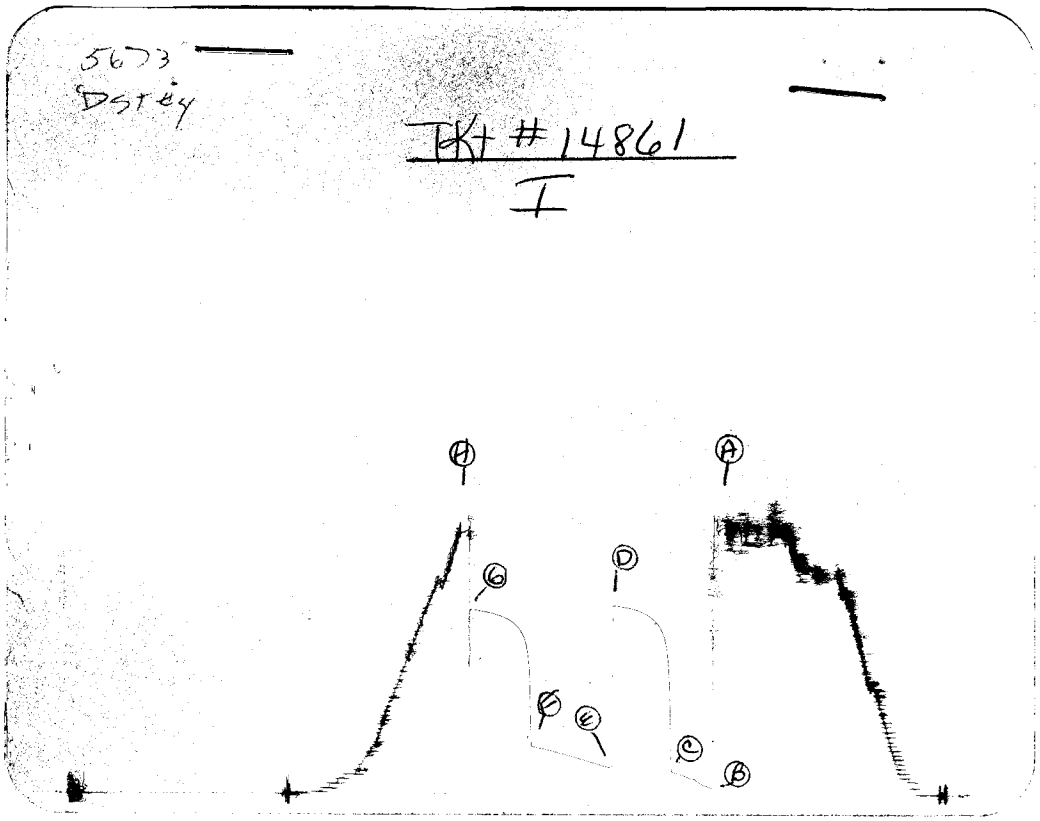
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	197
5	202
10	216
15	230
20	245
25	260
30	276
35	287
40	301
45	314
50	325
55	336
60	344

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

Point Minutes	Press.
0	344
3	978
6	1106
9	1163
12	1201
15	1228
18	1247
21	1257
24	1271
27	1279
30	1289
33	1295
36	1301
39	1306
42	1311
45	1313

COMPANY J. A. Allison LEASE AND WELL NO. Jorns #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 4 DATE 6/29/81

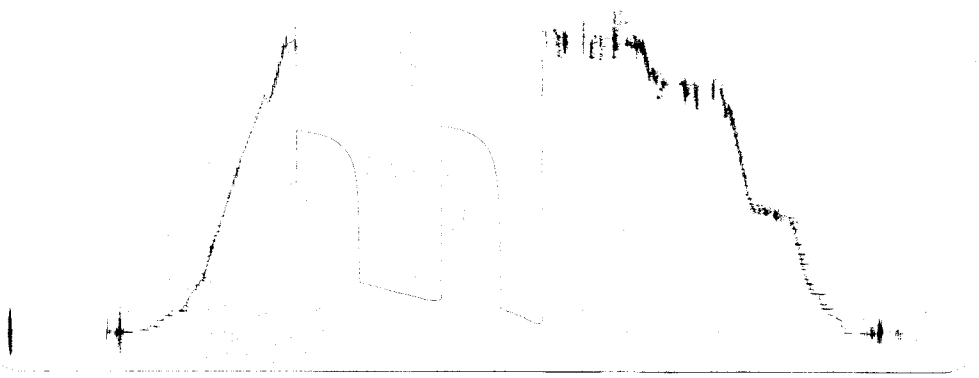


This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1864	1864	PSI
(B)	First Initial Flow Pressure	54	46	PSI
(C)	First Final Flow Pressure	163	164	PSI
(D)	Initial Closed-in Pressure	1349	1340	PSI
(E)	Second Initial Flow Pressure	191	197	PSI
(F)	Second Final Flow Pressure	341	344	PSI
(G)	Final Closed-in Pressure	1306	1313	PSI
(H)	Final Hydrostatic Mud	1864	1864	PSI

1565
DST #4

Tkt # 14861



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison — Lease & Well No. Jorns #1

Elevation - Formation Lansing — Effective Pay - Ft. — Ticket No. 14862

Date 6/30/81 — Sec. 17 — Twp. 26S — Range 11W — County Pratt — State Kansas

Test Approved by Allen S. Munroe — Western Representative Jeff Piotrowski

Formation Test No. 5 — Interval Tested from 3804 ft. to 3820 ft. — Total Depth 3820 ft.

Packer Depth 3799 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3804 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3807 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 3810 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Big Cat Rig #1 — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type Starch — Viscosity 39 — Weight Pipe Length 720 — I. D. 3.2 in.

Weight 9.2 — Water Loss 16.0 cc. — Drill Pipe Length 2824 — I. D. 3.8 in.

Chlorides 55,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 16 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 throughout initial flow period. No blow final flow period. Flushed tool - died in 10 minutes after flush.

Recovered 65 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:30 ~~A.M.~~ P.M. — Time Started Off Bottom 7:00 ~~A.M.~~ P.M. — Maximum Temperature 112

Initial Hydrostatic Pressure			(A)	1867	P.S.I.	
Initial Flow Period	Minutes 30		(B)	49	P.S.I. to (C)	51 P.S.I.
Initial Closed In Period	Minutes 45		(D)	224	P.S.I.	
Final Flow Period	Minutes 30		(E)	59	P.S.I. to (F)	65 P.S.I.
Final Closed In Period	Minutes 45		(G)	87	P.S.I.	
Final Hydrostatic Pressure			(H)	1867	P.S.I.	

WT

WESTERN TESTING CO., INC.

Pressure Data

Date 6/30/81 Test Ticket No. 14862

Recorder No. 5673 Capacity 5400 Location 3807 Ft.

Clock No. - Elevation - Well Temperature 112 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1867 P.S.I.	Open Tool	4:30P M	
B	First Initial Flow Pressure	49 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	51 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	224 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	59 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	65 P.S.I.			
G	Final Closed-in Pressure	87 P.S.I.			
H	Final Hydrostatic Mud	1867 P.S.I.			

PRESSURE BREAKDOWN

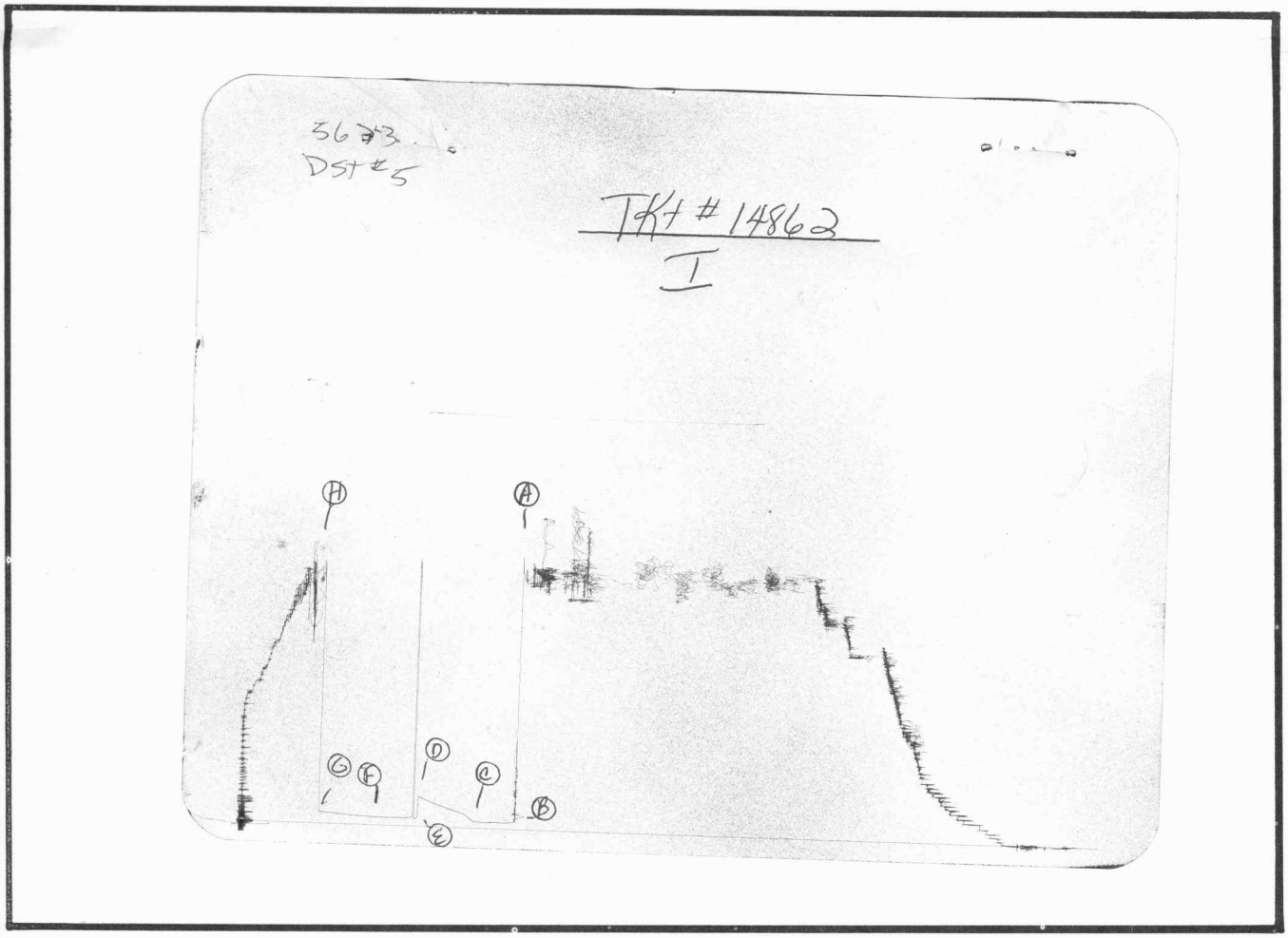
First Flow Pressure Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

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

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

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

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Minutes	Initial Shut-In Press.	Second Flow Pressure Minutes	Second Flow Pressure Press.	Final Shut-In Minutes	Final Shut-In Press.
P 1	0	49	0	51	0	59	0	65
P 2	5	49	3	56	5	Flushed 68 Tool	3	66
P 3	10	49	6	79	10	65	6	66
P 4	15	49	9	104	15	65	9	67
P 5	20	49	12	115	20	65	12	67
P 6	25	49	15	123	25	65	15	68
P 7	30	51	18	130	30	65	18	70
P 8			21	142			21	72
P 9			24	150			24	74
P10			27	158			27	76
P11			30	167			30	78
P12			33	178			33	80
P13			36	189			36	82
P14			39	202			39	84
P15			42	213			42	86
P16			45	224			45	87
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

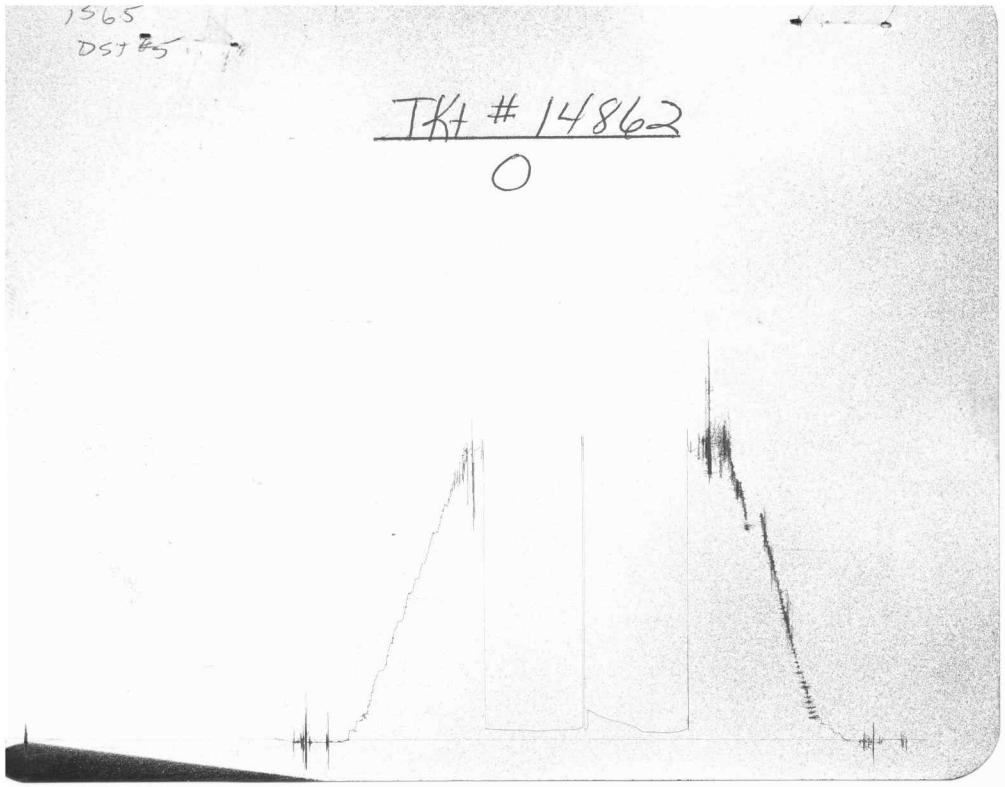
POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1864	1867	PSI
(B)	First Initial Flow Pressure	54	49	PSI
(C)	First Final Flow Pressure	54	51	PSI
(D)	Initial Closed-in Pressure	218	224	PSI
(E)	Second Initial Flow Pressure	68	59	PSI
(F)	Second Final Flow Pressure	68	65	PSI
(G)	Final Closed-in Pressure	95	87	PSI
(H)	Final Hydrostatic Mud	1864	1867	PSI

COMPANY J. A. Allison LEASE AND WELL NO. Jorns #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 5 DATE 6/30/81

1565
DST #5

IKt # 14862

O



WESTERN TEST SERVICES

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Jorns #1

Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 14863

Date 7/1/81 Sec. 17 Twp. 26S Range 11W County Pratt State Kansas

Test Approved by Allen S. Munroe Western Representative Jeff Piotrowski

Formation Test No. 6 Interval Tested from 3820 ft. to 3865 ft. Total Depth 3865 ft.

Packer Depth 3815 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3820 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3823 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3826 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Big Cat Rig #1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 39 Weight Pipe Length 720 I. D. 3.2 in.

Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 840 I. D. 3.8 in.

Chlorides 55,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 45 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: Fair throughout initial flow period. Weak throughout final flow period.

Recovered 185 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read outside chart

Time Set Packer(s) 9:20 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 12:20 ~~A.M.~~ P.M. Maximum Temperature 112

Initial Hydrostatic Pressure ..... (A) 1913 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 57 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1418 P.S.I.

Final Flow Period ..... Minutes 60 (E) 101 P.S.I. to (F) 104 P.S.I.

Final Closed In Period ..... Minutes 48 (G) 1401 P.S.I.

Final Hydrostatic Pressure ..... (H) 1901 P.S.I.

WT

WESTERN TESTING CO., INC.
Pressure Data

Date 7/1/81 Test Ticket No. 14863

Recorder No. 1565 Capacity 4900 Location 3826 Ft.

Clock No. - Elevation - Well Temperature 112 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1913	P.S.I.	Open Tool	9:20A	M		
B	First Initial Flow Pressure	57	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	62	P.S.I.	Initial Closed-in Pressure	45	Mins.	45	Mins.
D	Initial Closed-in Pressure	1418	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	101	P.S.I.	Final Closed-in Pressure	45	Mins.	48	Mins.
F	Second Final Flow Pressure	104	P.S.I.					
G	Final Closed-in Pressure	1401	P.S.I.					
H	Final Hydrostatic Mud	1901	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	57
P 2	5	57
P 3	10	57
P 4	15	57
P 5	20	57
P 6	25	61
P 7	30	62
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.
P 1	0	62
P 2	3	960
P 3	6	1227
P 4	9	1305
P 5	12	1345
P 6	15	1365
P 7	18	1379
P 8	21	1389
P 9	24	1397
P10	27	1400
P11	30	1405
P12	33	1409
P13	36	1410
P14	39	1414
P15	42	1416
P16	45	1418
P17		
P18		
P19		
P20		

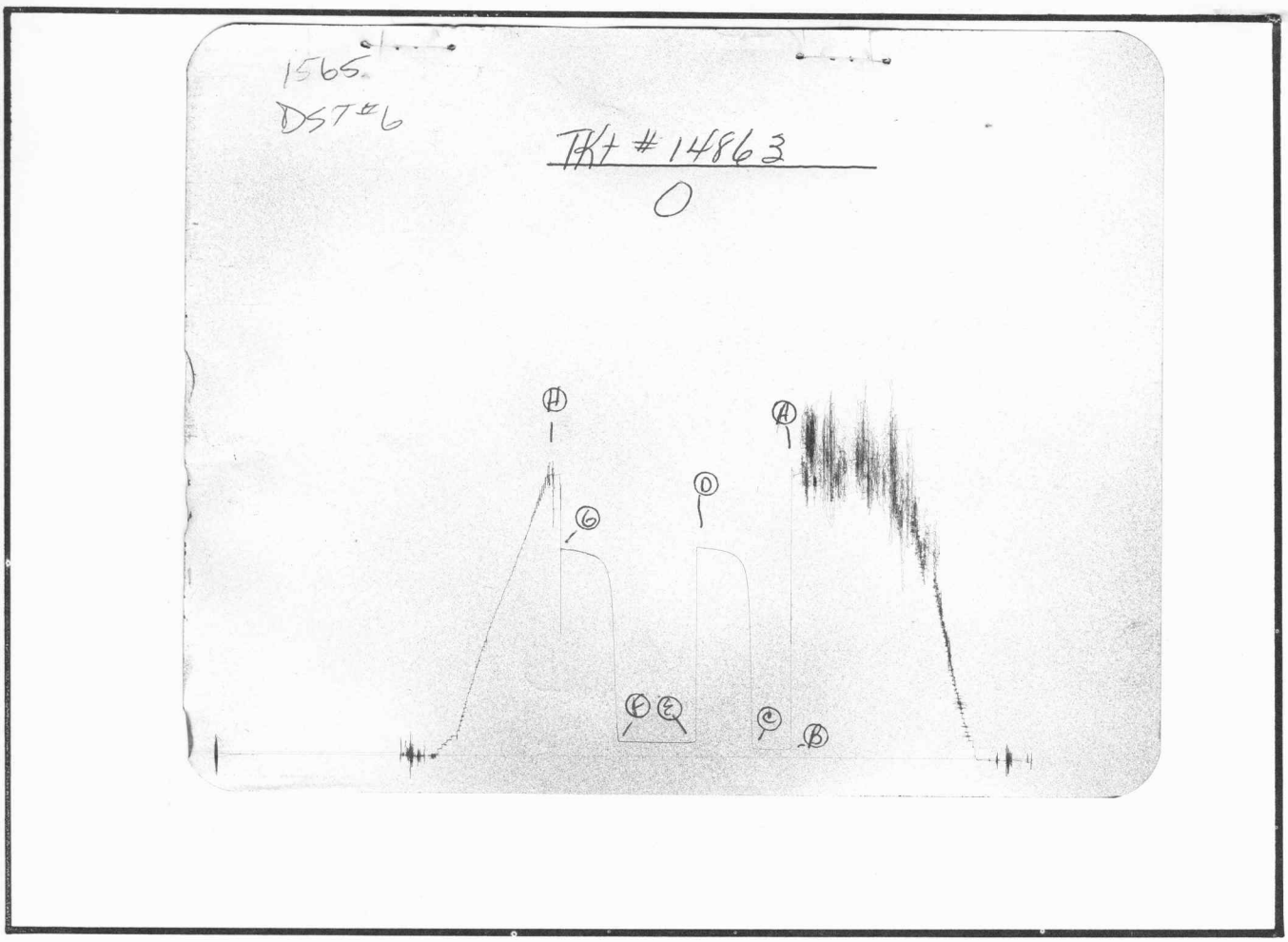
Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	101
P 2	5	101
P 3	10	101
P 4	15	101
P 5	20	101
P 6	25	101
P 7	30	101
P 8	35	101
P 9	40	101
P10	45	101
P11	50	102
P12	55	103
P13	60	104
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	104
P 2	3	446
P 3	6	879
P 4	9	1160
P 5	12	1266
P 6	15	1315
P 7	18	1340
P 8	21	1357
P 9	24	1365
P10	27	1372
P11	30	1379
P12	33	1384
P13	36	1391
P14	39	1397
P15	42	1397
P16	45	1399
P17	48	1401
P18		
P19		
P20		

WTC - 4



This is an actual photograph of recorder chart.

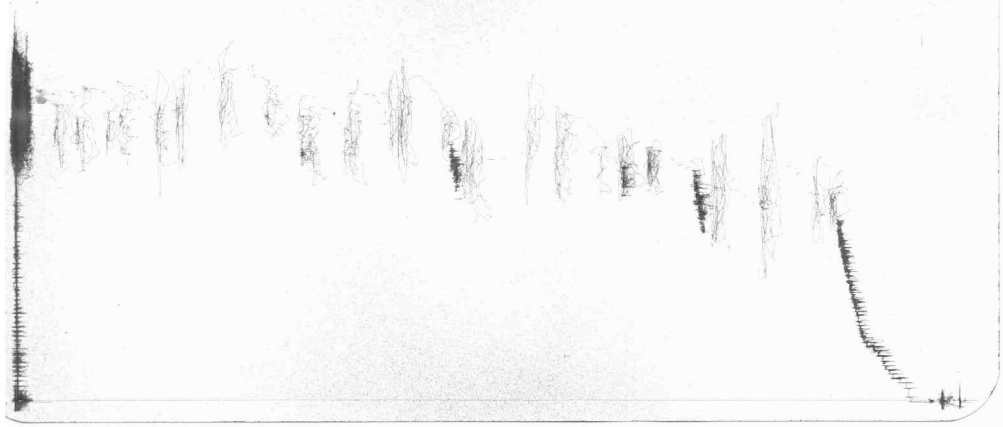
POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1913	1913	PSI
(B)	First Initial Flow Pressure	61	57	PSI
(C)	First Final Flow Pressure	61	62	PSI
(D)	Initial Closed-in Pressure	1408	1418	PSI
(E)	Second Initial Flow Pressure	86	101	PSI
(F)	Second Final Flow Pressure	86	104	PSI
(G)	Final Closed-in Pressure	1408	1401	PSI
(H)	Final Hydrostatic Mud	1901	1901	PSI

COMPANY J. A. Allison LEASE AND WELL NO. Joms #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 6 DATE 7/1/81

5673
DST #6

IKT # 14863

I



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison — Lease & Well No. Jorns #1

Elevation - Formation - Effective Pay - Ft. Ticket No. 14864

Date 7/2/81 Sec. 17 Twp. 26S Range 11W County Pratt State Kansas

Test Approved by Allen S. Munroe — Western Representative Jeff Piotrowski

Formation Test No. 7 Interval Tested from 3924 ft. to 3955 ft. Total Depth 3955 ft.

Packer Depth 3924 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Packer Depth 3919 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3927 ft. — Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3930 ft. — Recorder Number 1565 Cap. 4900

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

Drilling Contractor Big Cat Rig #1 — Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 31 — Weight Pipe Length 720 I. D. 3.2 in.

Weight 9.2 Water Loss 22.0 cc. — Drill Pipe Length 2944 I. D. 3.8 in.

Chlorides 63,000 P.P.M. — Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make No Serial Number - — Anchor Length 31 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: Fair building to strong initial flow period. Strong throughout final flow period.

Recovered 1980 ft. of gas in pipe

Recovered 270 ft. of heavy oil & gas cut mud - top - 41% mud; 5% water; 25% oil; 29% gas

Recovered 30 ft. of water bottom- 18% mud; 22% water; 20% gas; 40% oil

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:05 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 11:05 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 113

Initial Hydrostatic Pressure			(A)	1945	P.S.I.	
Initial Flow Period	Minutes	30	(B)	63	P.S.I. to (C)	82 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1412	P.S.I.	
Final Flow Period	Minutes	60	(E)	98	P.S.I. to (F)	126 P.S.I.
Final Closed In Period	Minutes	45	(G)	1363	P.S.I.	
Final Hydrostatic Pressure			(H)	1945	P.S.I.	

WT

WESTERN TESTING CO., INC.
Pressure Data

Date 7/2/81 Test Ticket No. 14864

Recorder No. 5673 Capacity 5400 Location 3927 Ft.

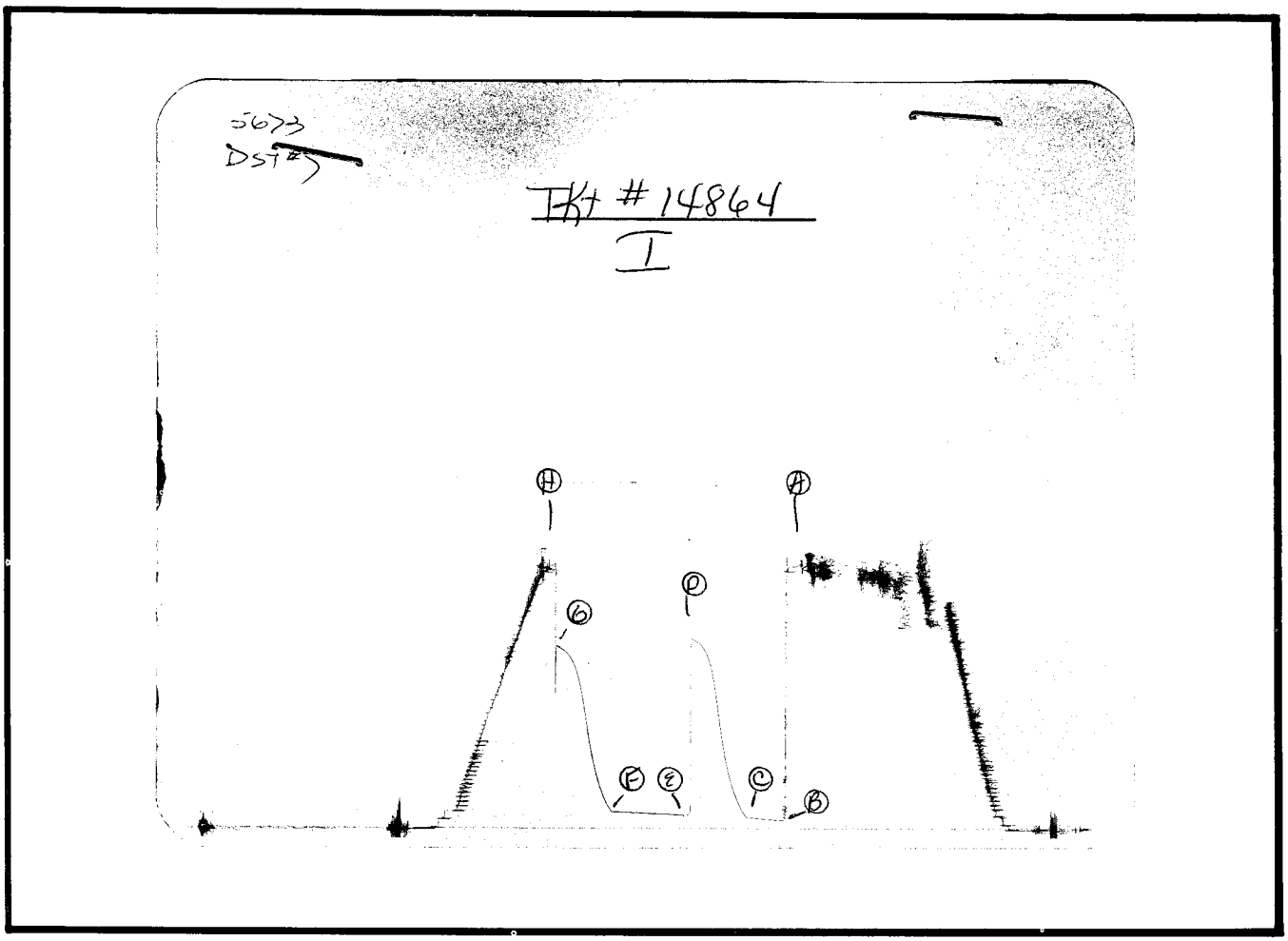
Clock No. - Elevation - Well Temperature 113 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1945 P.S.I.	Open Tool	8:05A M	
B	First Initial Flow Pressure	63 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	82 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1412 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	98 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	126 P.S.I.			
G	Final Closed-in Pressure	1363 P.S.I.			
H	Final Hydrostatic Mud	1945 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 12 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	63	0	82	0	98	0	126
P 2 5	63	3	117	5	98	3	164
P 3 10	65	6	175	10	103	6	221
P 4 15	68	9	238	15	107	9	303
P 5 20	74	12	322	20	111	12	393
P 6 25	79	15	415	25	112	15	527
P 7 30	82	18	566	30	114	18	678
P 8		21	735	35	116	21	852
P 9		24	948	40	118	24	1018
P10		27	1122	45	120	27	1144
P11		30	1241	50	122	30	1228
P12		33	1317	55	124	33	1279
P13		36	1360	60	126	36	1314
P14		39	1388			39	1339
P15		42	1407			42	1358
P16		45	1412			45	1363
P17							
P18							
P19							
P20							

WTC - 4



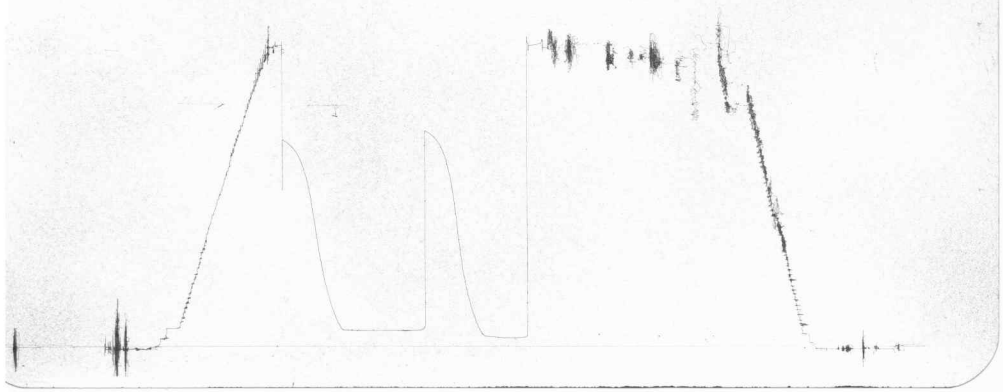
This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1945	1945	PSI
(B)	First Initial Flow Pressure	68	63	PSI
(C)	First Final Flow Pressure	81	82	PSI
(D)	Initial Closed-in Pressure	1403	1412	PSI
(E)	Second Initial Flow Pressure	95	98	PSI
(F)	Second Final Flow Pressure	109	126	PSI
(G)	Final Closed-in Pressure	1349	1363	PSI
(H)	Final Hydrostatic Mud	1945	1945	PSI

COMPANY J. A. Allison LEASE AND WELL NO. Jorns #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 7 DATE 7/2/81

1565
DST #3

JKt # 14864
O



WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Jorns #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 14865

Date 7/3/81 Sec. 17 Twp. 26S Range 11W County Pratt State Kansas

Test Approved by Allen S Munroe Western Representative Jeff Piotrowski

Formation Test No. 8 Interval Tested from 4058 ft. to 4133 ft. Total Depth 4133 ft.

Packer Depth 4053 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4059 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4061 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4064 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Big Cat #1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 39 Weight Pipe Length 720 I. D. 3.2 in.

Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 3078 I. D. 3.8 in.

Chlorides 55,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make - Serial Number - Anchor Length DP 31 - 44 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: Weak building to fair initial flow period. Weak throughout final flow period.

Recovered 70 ft. of mud - gas cut

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:50 A.M. ~~P.M.~~ Time Started Off Bottom 11:50 A.M. ~~P.M.~~ Maximum Temperature 114

Initial Hydrostatic Pressure			(A)	2054	P.S.I.	
Initial Flow Period	Minutes	30	(B)	87	P.S.I. to (C)	87 P.S.I.
Initial Closed In Period	Minutes	45	(D)	246	P.S.I.	
Final Flow Period	Minutes	60	(E)	93	P.S.I. to (F)	100 P.S.I.
Final Closed In Period	Minutes	45	(G)	221	P.S.I.	
Final Hydrostatic Pressure			(H)	2054	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 7/3/81 Test Ticket No. 14865

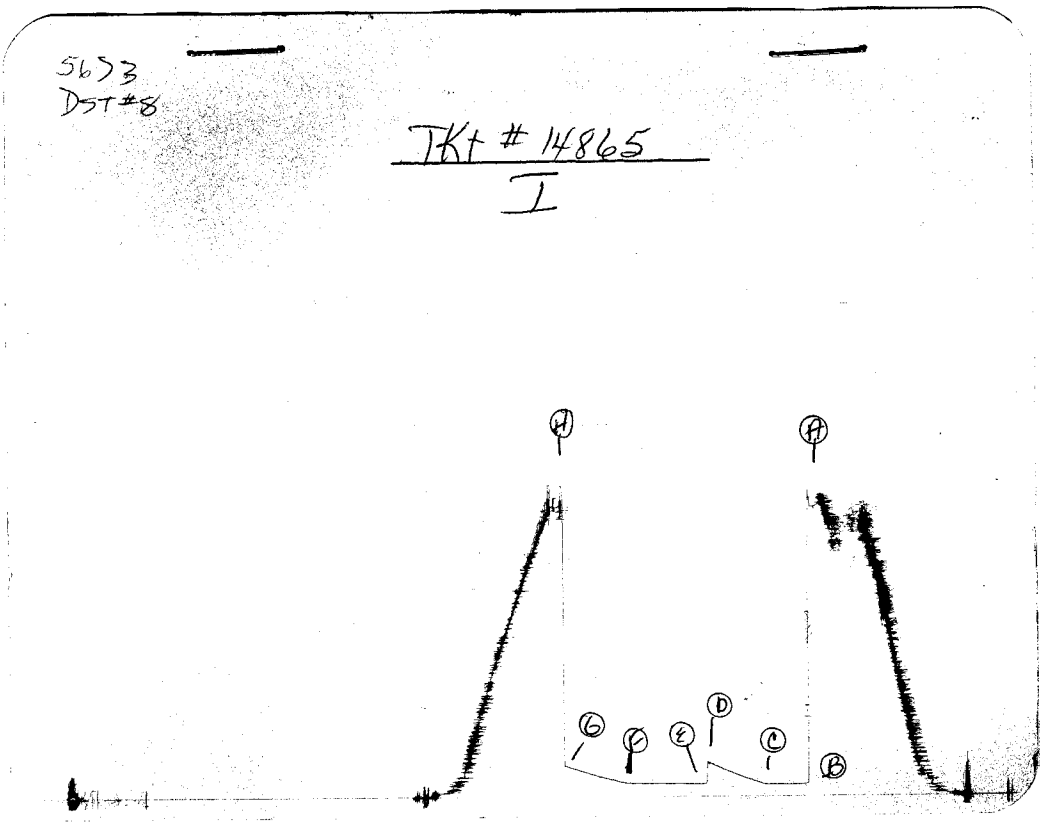
Recorder No. 5673 Capacity 5400 Location 4061 Ft.

Clock No. - Elevation - Well Temperature 114 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2054 P.S.I.	Open Tool	8:50A M	
B	First Initial Flow Pressure	87 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	87 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	246 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	93 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	100 P.S.I.			
G	Final Closed-in Pressure	221 P.S.I.			
H	Final Hydrostatic Mud	2054 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 12 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	87	0	87	0	93	0	100
P 2 5	87	3	90	5	93	3	106
P 3 10	87	6	101	10	93	6	115
P 4 15	87	9	109	15	93	9	123
P 5 20	87	12	120	20	94	12	128
P 6 25	87	15	128	25	95	15	137
P 7 30	87	18	139	30	96	18	145
P 8		21	150	35	96	21	150
P 9		24	161	40	97	24	161
P10		27	172	45	97	27	169
P11		30	183	50	98	30	178
P12		33	197	55	99	33	186
P13		36	210	60	100	36	199
P14		39	221			39	208
P15		42	235			42	216
P16		45	246			45	221
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2054	2054	PSI
(B)	First Initial Flow Pressure	81	87	PSI
(C)	First Final Flow Pressure	81	87	PSI
(D)	Initial Closed-in Pressure	232	246	PSI
(E)	Second Initial Flow Pressure	95	93	PSI
(F)	Second Final Flow Pressure	95	100	PSI
(G)	Final Closed-in Pressure	232	221	PSI
(H)	Final Hydrostatic Mud	2054	2054	PSI

COMPANY J. A. Allison LEASE AND WELL NO. Jorns #1 SEC. 17 TWP. 26S RGE. 11W TEST NO. 8 DATE 7/3/81

1965
DST #8

IKT # 14865