WESTERN TESTERS

Home Office: Wichita, Kansas 67201

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

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

Elevation ---- Formation - Effective Pay - Ft. Ticket No. 10668

Date 4/12/81 Sec. 27 Twp. 18S Range 18W County Rush State Kansas

Test Approved by -- Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 3709 ft. to 3745 ft. Total Depth 3745 ft.

Packer Depth 3704 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3709 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3733 ft. Recorder Number 2603 Cap. 4400

Bottom Recorder Depth (Outside) 3736 ft. Recorder Number 13240 Cap. 4500

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

Drilling Contractor Rains & Williamson Oil Co. Rig #11 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 11.6 cc. Drill Pipe Length 3687 I. D. 3.8 in.

Chlorides 46,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 36 ft. Size 5½OD in.

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

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

Blow: Very weak; died in seven minutes of initial flow period; flushed tool on final flow period. Received only a few bubbles.

Recovered 3 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of MISRUN

Remarks:

PLUGGED TOOL

Time Set Packer(s) 2:43 ~~A.M.~~ P.M. Time Started Off Bottom 4:45 ~~A.M.~~ P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure ..... (A) 2050 P.S.I.

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

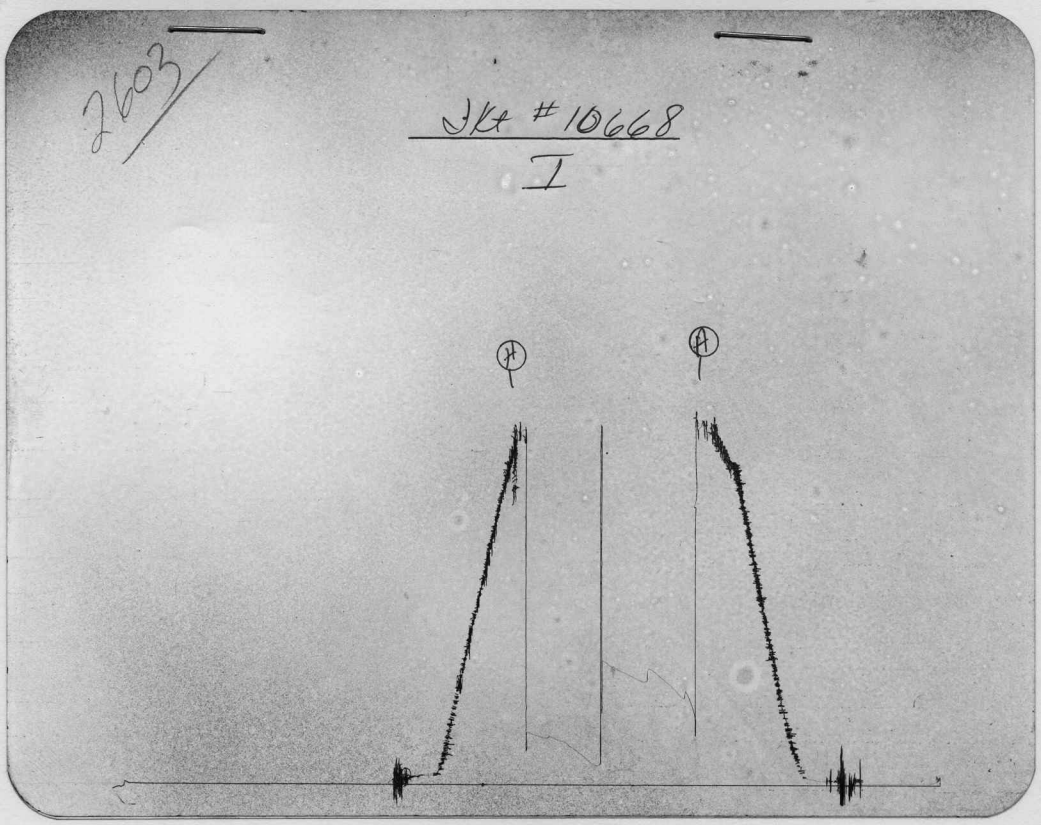
Initial Closed In Period ..... Minutes ____ (D) - P.S.I.

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) 2029 P.S.I.

WTC-1



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	PRESSURE Office Reading	
(A)	Initial Hydrostatic Mud	-	2050	PSI
(B)	First Initial Flow Pressure	-	-	PSI
(C)	First Final Flow Pressure	-	-	PSI
(D)	Initial Closed-in Pressure	-	-	PSI
(E)	Second Initial Flow Pressure	-	-	PSI
(F)	Second Final Flow Pressure	-	-	PSI
(G)	Final Closed-in Pressure	-	-	PSI
(H)	Final Hydrostatic Mud	-	2029	PSI

MISRUN

COMPANY J. A. ALLISON LEASE AND WELL NO. JIRA #1 SEC. 27 TWP. 18S RGE. 18W TEST NO. 1 DATE 4/12/81

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

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

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

Elevation -- Formation - Effective Pay - Ft. Ticket No. 10669

Date 4/12/81 Sec. 27 Twp. 18S Range 18W County Rush State Kansas

Test Approved by Orlin R. Phelps Western Representative Gene Eberhart

Formation Test No. 2 Interval Tested from 3709 ft. to 3745 ft. Total Depth 3745 ft.

Packer Depth 3704 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3709 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3716 ft. Recorder Number 2603 Cap. 4400

Bottom Recorder Depth (Outside) 3719 ft. Recorder Number 13240 Cap. 4500

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

Drilling Contractor Rains & Williamson Rig #11 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 11.6 cc. Drill Pipe Length 3687 I. D. 3.8 in.

Chlorides 46,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 36 ft. Size 5½OD in.

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

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

Blow: Very weak; died in eighteen minutes of initial flow period. No blow at start of final flow period; flushed tool; got a few bubbles for 3 minutes.

Recovered 4 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Flushed tool second opening.

Read Chart #13240

Time Set Packer(s) 9:48 A.M./P.M. Time Started Off Bottom 11:50 A.M./P.M. Maximum Temperature 134+

Initial Hydrostatic Pressure			(A)	2007	P.S.I.	
Initial Flow Period	Minutes 30	(B)	55	P.S.I. to (C)	61	P.S.I.
Initial Closed In Period	Minutes 36	(D)	77	P.S.I.		
Final Flow Period	Minutes 30	(E)	64	P.S.I. to (F)	57	P.S.I.
Final Closed In Period	Minutes 24	(G)	63	P.S.I.		
Final Hydrostatic Pressure			(H)	1980	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.

Pressure Data

Date 4/12/81 Test Ticket No. 10669

Recorder No. 13240 Capacity 4500 Location 3716 Ft.

Clock No. -- Elevation ---- Well Temperature 113 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2007	P.S.I.	Open Tool	9:48P M	
B	First Initial Flow Pressure	55	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	61	P.S.I.	Initial Closed-in Pressure	30 Mins.	36 Mins.
D	Initial Closed-in Pressure	77	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	64	P.S.I.	Final Closed-in Pressure	30 Mins.	24 Mins.
F	Second Final Flow Pressure	57	P.S.I.			
G	Final Closed-in Pressure	63	P.S.I.			
H	Final Hydrostatic Mud	1980	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	55
P 2	5	50
P 3	10	54
P 4	15	64
P 5	20	73
P 6	25	82
P 7	30	61
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 12 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	61
P 2	3	55
P 3	6	55
P 4	9	55
P 5	12	57
P 6	15	59
P 7	18	63
P 8	21	68
P 9	24	70
P10	27	73
P11	30	75
P12	33	77
P13	36	77
P14		
P15		
P16		
P17		
P18		
P19		
P20		

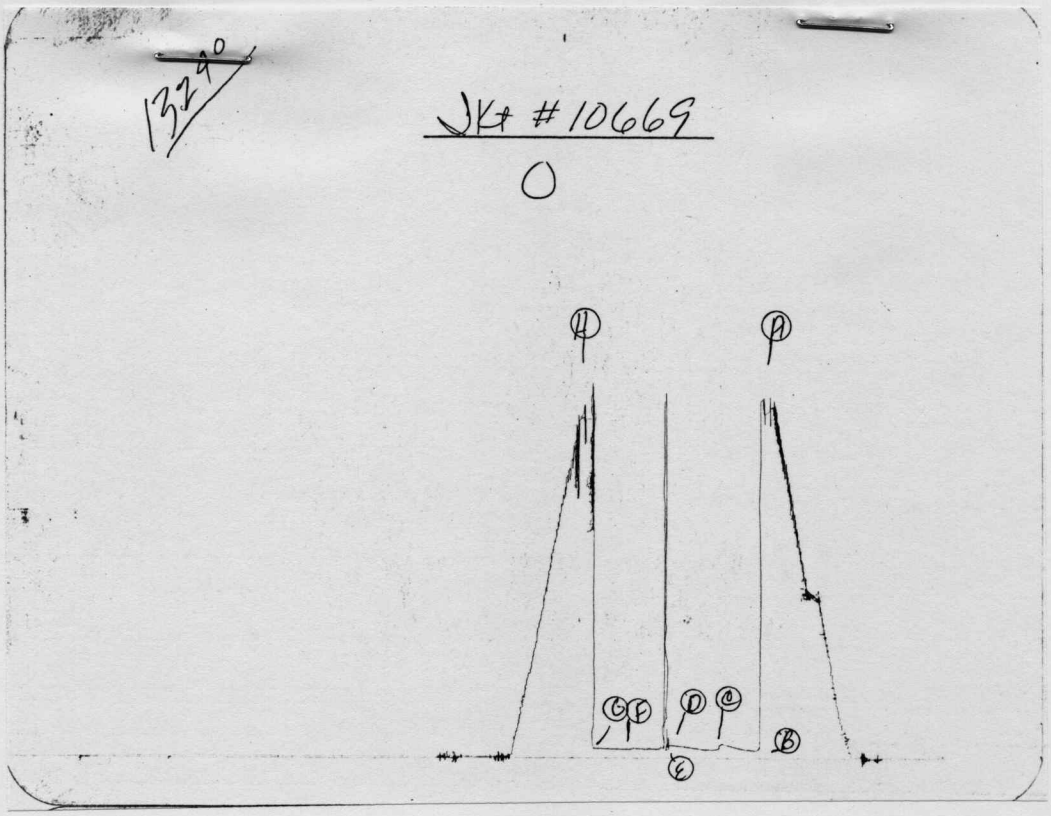
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	63
P 2	5	FLUSHED TOOL 66
P 3	10	58
P 4	15	58
P 5	20	59
P 6	25	60
P 7	30	57
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Final Shut-In
Breakdown: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	57
P 2	3	57
P 3	6	57
P 4	9	58
P 5	12	58
P 6	15	59
P 7	18	60
P 8	21	61
P 9	24	63
P10	27	
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

WTC - 4



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1984	2007	PSI
(B)	First Initial Flow Pressure	34	55	PSI
(C)	First Final Flow Pressure	45	61	PSI
(D)	Initial Closed-in Pressure	68	77	PSI
(E)	Second Initial Flow Pressure	45	64	PSI
(F)	Second Final Flow Pressure	45	57	PSI
(G)	Final Closed-in Pressure	56	63	PSI
(H)	Final Hydrostatic Mud	1961	1980	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. JIRA #1 SEC. 27 TWP. 18S RGE. 18W TEST NO. 2 DATE 4/12/81

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

Company J. A. Allison | Lease & Well No. Jira #1

Elevation ---- | Formation Arbuckle | Effective Pay - Ft. | Ticket No. 10670

Date 4/13/81 | Sec. 27 | Twp. 18S | Range 18W | County Rush | State Kansas

Test Approved by Orlin R. Phelps | Western Representative Gene Eberhart

Formation Test No. 3 | Interval Tested from 3709 ft. to 3773 ft. | Total Depth 3773 ft.

Packer Depth 3704 ft. | Size 6 5/8 in. | Packer Depth - ft. | Size - in.

Packer Depth 3709 ft. | Size 6 5/8 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3714 ft. | Recorder Number 2603 | Cap. 4400

Bottom Recorder Depth (Outside) 3717 ft. | Recorder Number 13240 | Cap. 4500

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

Drilling Contractor Rains & Williamson Rig #11 | Drill Collar Length - | I. D. - in.

Mud Type starch | Viscosity 39 | Weight Pipe Length - | I. D. - in.

Weight 9.8 | Water Loss 14 cc. | Drill Pipe Length 3687 | I. D. 3.8 in.

Chlorides 52,000 P.P.M. | Test Tool Length 22 ft. | Tool Size 5½OD in.

Jars: Make - | Serial Number - | Anchor Length 64 ft. | Size 5½OD in.

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

Main Hole Size 7 7/8 in. | Tool Joint Size 4½XH in.

Blow: Good four and one half inch blow; decreasing to one and one half at end of initial flow period. Weak one and one half inch blow during final flow period.

Recovered ft. of

Recovered 90 ft. of 3% oil;10% water;87% mud)

Recovered 120 ft. of 1% oil;20% water;79% mud) very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Remarks:

Read Chart #13240

Time Set Packer(s) 2:55 ~~A.M.~~ P.M. | Time Started Off Bottom 5:55 ~~A.M.~~ P.M. | Maximum Temperature 116°

Initial Hydrostatic Pressure			(A) 2029	P.S.I.		
Initial Flow Period	Minutes 30	(B) 84	P.S.I. to	(C) 85	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 690	P.S.I.			
Final Flow Period	Minutes 60	(E) 118	P.S.I. to	(F) 141	P.S.I.	
Final Closed In Period	Minutes 48	(G) 560	P.S.I.			
Final Hydrostatic Pressure			(H) 2018	P.S.I.		

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 4/13/81 Test Ticket No. 10670

Recorder No. 13240 Capacity 4500 Location 3717 Ft.

Clock No. =- Elevation - Well Temperature 116 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2029	P.S.I.	Open Tool	2:55P M	
B	First Initial Flow Pressure	84	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	85	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	690	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	118	P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F	Second Final Flow Pressure	141	P.S.I.			
G	Final Closed-in Pressure	560	P.S.I.			
H	Final Hydrostatic Mud	2018	P.S.I.			

PRESSURE BREAKDOWN

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

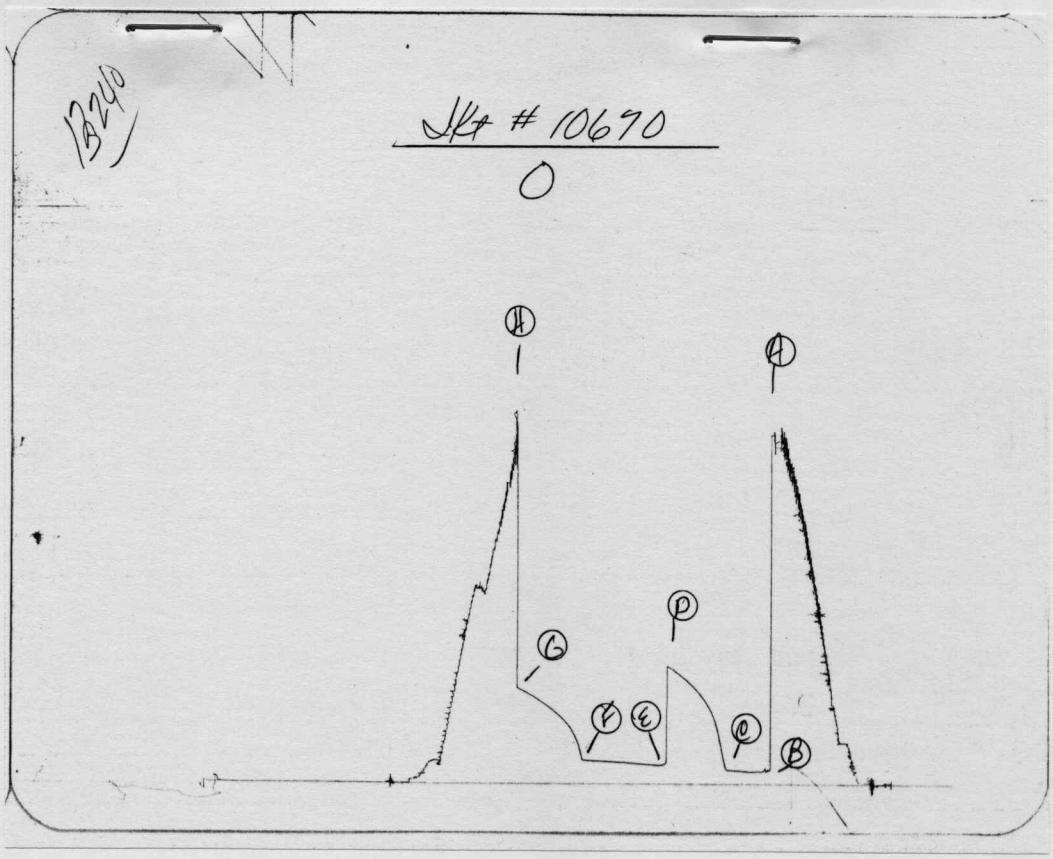
Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

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

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

Point	First Flow Pressure Mins.	Press.	Initial Shut-In Point Minutes	Press.	Second Flow Pressure Point Minutes	Press.	Final Shut-In Point Minutes	Press.
P 1	0	84	0	85	0	118	0	141
P 2	5	84	3	161	5	114	3	230
P 3	10	80	6	286	10	116	6	289
P 4	15	77	9	375	15	117	9	327
P 5	20	80	12	434	20	122	12	359
P 6	25	83	15	475	25	125	15	384
P 7	30	85	18	511	30	129	18	409
P 8			21	541	35	131	21	430
P 9			24	566	40	133	24	448
P10			27	589	45	134	27	466
P11			30	611	50	136	30	482
P12			33	632	55	140	33	498
P13			36	650	60	141	36	514
P14			39	670			39	525
P15			42	684			42	541
P16			45	690			45	552
P17							48	560
P18								
P19								
P20								

WTC - 4



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2040	2029	PSI
(B)	First Initial Flow Pressure	79	84	PSI
(C)	First Final Flow Pressure	90	85	PSI
(D)	Initial Closed-in Pressure	681	690	PSI
(E)	Second Initial Flow Pressure	102	118	PSI
(F)	Second Final Flow Pressure	147	141	PSI
(G)	Final Closed-in Pressure	568	560	PSI
(H)	Final Hydrostatic Mud	2029	2018	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. JIRA #1 SEC. 27 TWP. 18S RGE. 18W TEST NO. 3 DATE 4/13/81