15-015-22083

Ricketts Testing

11-28s-7E

Company R. R. Abderhalden — Lease & Well No. Gilbert #1

Elevation N.A. — Formation Mississippi — Effective Pay ____ ft. — Ticket No. 21

Date 7-17-82 — Sec. 11 — Twp. 28S — Range 7E — County Butler — State Kansas

Test Approved by R. R. Abderhalden — Ricketts Representative James Ricketts

Formation Test No. 2 — Interval Tested from 2806 ft. to 2836 ft. — Total Depth 2836 ft.

Packer Depth 2806 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 2803 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2826 ft. — Recorder Number 13564 — Cap. 4475

Bottom Recorder Depth (Outside) 2829 ft. — Recorder Number 13565 — Cap. 4475

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

Drilling Contractor R.R.A. — Drill Collar Length 483 — I.D. 2.25 in.

Mud Type Chemical — Viscosity 45 — Weight Pipe Length ____ — I.D. ____ in.

Weight 917 — Water Loss 10.4 cc. — Drill Pipe Length 2303 — I.D. 3.25 in.

Chlorides 12,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number ____ — Anchor Length 30 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 4½xhole in.

Blow: Weak. Died in 30 minutes Initial Flow Period. No blow Final Flow Period.

Recovered 420 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: 10 ft. of cutting in bottom of hole.

Time Set Packer (s) 8:52 ~~A.M.~~ P.M. — Time Started Off Bottom 11:52 ~~A.M.~~ P.M. — Maximum Temperature 90°

Initial Hydrostatic Pressure ..... (A) 1449 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 231 P.S.I. to (C) 236 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 861 P.S.I.

Final Flow Period ..... Minutes 45 (E) 238 P.S.I. to (F) 238 P.S.I.

Final Closed In Period ..... Minutes 57 (G) 677 P.S.I.

Final Hydrostatic Pressure ..... (H) 1396 P.S.I.

RICKETTS TESTING
Pressure Data

Date 7-17-82 Test Ticket No. 21

Recorder No. 13564 Capacity 4475 Location 2826 Ft.

Clock No. Elevation Well Temperature 90 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1449	P.S.I.
B	First Initial Flow Pressure	231	P.S.I.
C	First Final Flow Pressure	236	P.S.I.
D	Initial Closed-in Pressure	861 *	P.S.I.
E	Second Initial Flow Pressure	238	P.S.I.
F	Second Final Flow Pressure	238	P.S.I.
G	Final Closed-in Pressure	677	P.S.I.
H	Final Hydrostatic Mud	1396	P.S.I.

	Time Given	Time Computed
Open Tool	8:52 PM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	60 Mins.	57 Mins.

*Pressure questionable due to tool movement

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	231
P 2	5	231
P 3	10	232
P 4	15	233
P 5	20	234
P 6	25	235
P 7	30	236
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 Min.

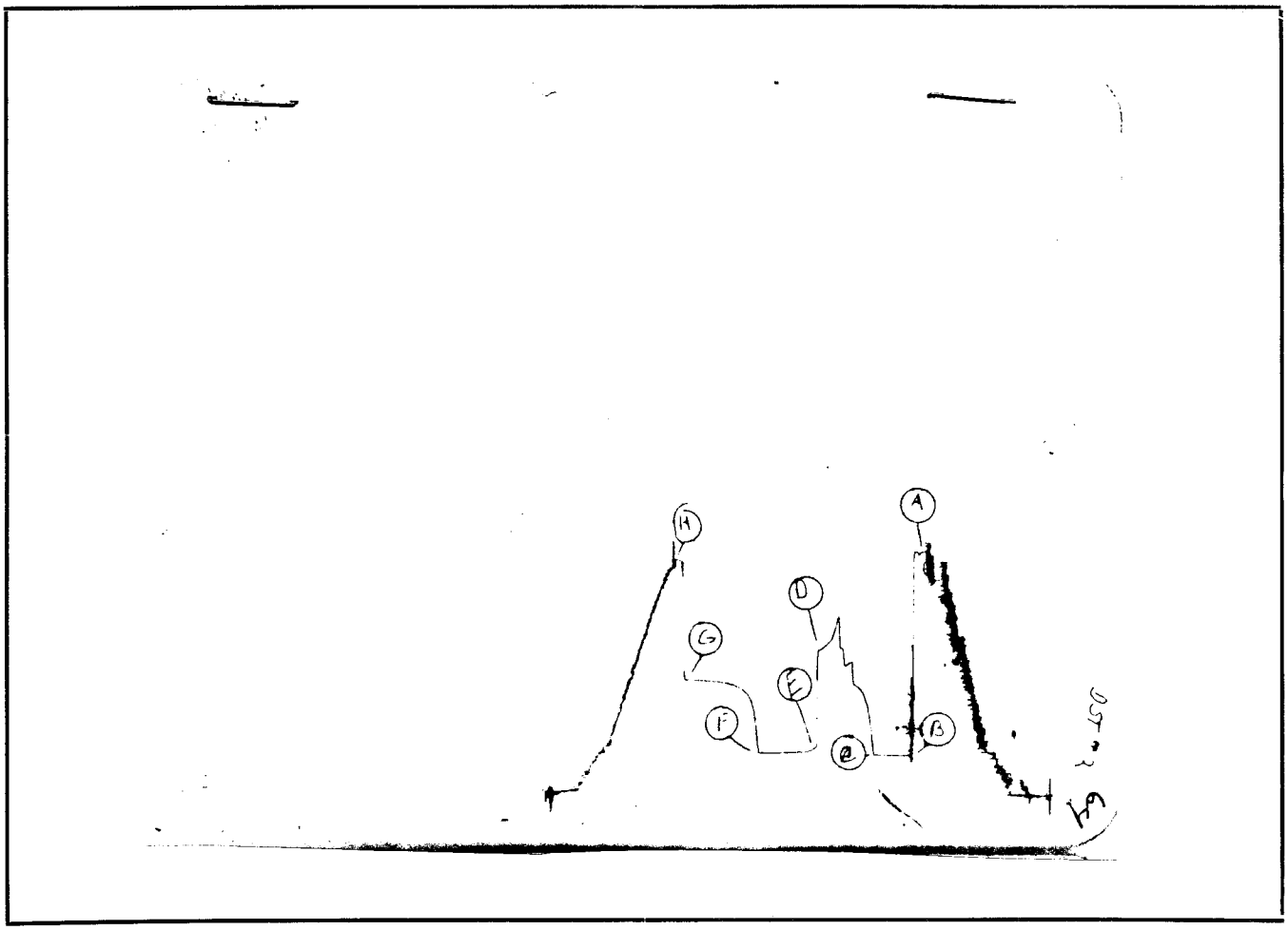
Point	Minutes	Press.
	0	236
	3	452
	6	550
	9	617
	;2	639
	;5	653
	;8	795*
	2;	783*
	24	844*
	27	1062*
	30	1029*
	33	961*
	36	912*
	39	888*
	42	869*
	45	861*

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

Point	Minutes	Press.
	0	238
	5	238
	10	238
	15	238
	20	238
	25	238
	30	238
	35	238
	40	238
	45	238

Final Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of Min.

Point	Minutes	Press.
	0	238
	3	479
	6	558
	9	594
	12	617
	15	633
	18	642
	21	651
	24	658
	27	662
	30	665
	33	667
	36	668
	39	671
	42	674
	45	676
	48	676
	51	677
	54	677
	57	677



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading
(A)	Initial Hydrostatic Mud		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		PSI