10-19S-20W
SW-NE-NW

WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Petroleum Inc. Lease & Well No. Yost #D-1

Elevation 2206 Kelly Bushing Formation Cherokee Sand Effective Pay - Ft. Ticket No. 23601

Date 3-4-76 Sec. 10 Twp. 19S Range 20W County Rush State Kansas

Test Approved by Raymond D. Dombaugh Western Representative Marvin Peltier

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4200' to 4236' Total Depth 4236'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 4193 Ft. Size 6 3/4 Bottom Packer Depth 4200 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 36 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4230 Ft. Clock No. 6894 Depth 4234 Ft. Clock No. 6893

Top Make Kuster Cap. 4100 No. 3354 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 2604 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 8:59 A. M

Tool Open I.F.P. From 9:03A M. to 9:33A M. - Hr. 30 Min. From (B) 208 P.S.I. To (C) 667 P.S.I.

Tool Closed I.C.I.P. From 9:33A M. to 10:03AM. - Hr. 30 Min (D) 706 P.S.I.

Tool Open F.F.P. From 10:03A M. to 10:33AM. - Hr. 30 Min. From (E) 650 P.S.I. To (F) 705 P.S.I.

Tool Closed F.C.I.P. From 10:33AM. to 11:03AM. - Hr. 30 Min. (G) 719 P.S.I.

Initial Hydrostatic Pressure (A) 2284 P.S.I. Final Hydrostatic Pressure (H) 2262 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 1700' salt water

Reversed Out X Yes - No Mud Type starch Viscosity 46 Weight 9.6 Water Loss 10.5 cc. Chlorides 4000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? - - -

DRILLING CONTRACTOR Duke Drlg. Co. Length Drill Pipe? 3142 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1039 Ft. I.D. Weight Pipe 2.76 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 55 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 3-4-76 Test Ticket No. 23601

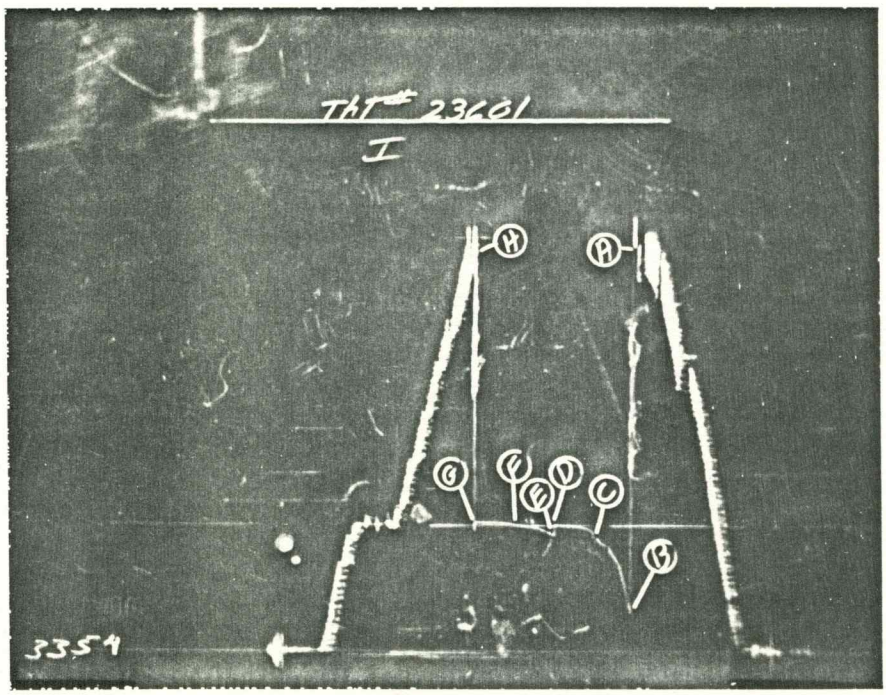
Recorder No. 3354 Capacity 4100 Location 4230 Ft.

Clock No. 6894 Elevation 2206 Kelly Bushing Well Temperature 127 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2284 P.S.I.		Open Tool	8:59 A. M	
B	First Initial Flow Pressure	208 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	667 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	706 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	650 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	705 P.S.I.				
G	Final Closed-in Pressure	719 P.S.I.				
H	Final Hydrostatic Mud	2262 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 6 Inc.		Breakdown: 10 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	208	0	667	0	650	0	705
P 2 5	361	3	677	5	662	3	711
P 3 10	485	6	686	10	678	6	713
P 4 15	540	9	692	15	688	9	715
P 5 20	587	12	694	20	695	12	717
P 6 25	614	15	697	25	700	15	717
P 7 30	667	18	700	30	705	18	718
P 8		21	703			21	718
P 9		24	705			24	719
P10		27	706			27	719
P11		30	706			30	719
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2221	2284	PSI
(B)	First Initial Flow Pressure	224	208	PSI
(C)	First Final Flow Pressure	590	667	PSI
(D)	Initial Closed-in Pressure	669	706	PSI
(E)	Second Initial Flow Pressure	638	650	PSI
(F)	Second Final Flow Pressure	680	705	PSI
(G)	Final Closed-in Pressure	700	719	PSI
(H)	Final Hydrostatic Mud	2179	2262	PSI

COMPANY Petroleum Inc. LEASE AND WELL NO. Yost #D-1 SEC. 10 TWP. 19S RGE. 20W TEST NO. 1 DATE 3-4-76