15-073-21018

4-23s-13E

WESTERN INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Petroleum Energy Inc. Lease & Well No. Imthurn #1

Elevation 1149 Ground Level Formation Viola Effective Pay - Ft. Ticket No. 23972

Date 2-14-76 Sec. 4 Twp. 23S Range 13E County Greenwood State Kansas

Test Approved by Paul D. Koontz Western Representative Norman Allen

Formation Test No. 1 O.K. X Misrun - Interval Tested From 2139' to 2154' Total Depth 2154'

Size Main Hole 6¼ Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 2134 Ft. Size 5½ Bottom Packer Depth 2139 Ft. Size 5½

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

Tool Size 4½OD Tool Joint Size 3½IF Anchor Length 15 Ft. Size 4½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2147 Ft. Clock No. 9103 Depth 2150 Ft. Clock No. 6859

Top Make Kuster Cap. 4200 No. 1558 ~~Outside~~ Inside Bottom Make Kuster Cap. 3150 No. 1564 ~~Inside~~ Outside

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

Time Set Packer 7:58 P. M

Tool Open I.F.P. From 8:00P M. to 8:15P M. - Hr. 15 Min. From (B) 4 P.S.I. To (C) 5 P.S.I.

Tool Closed I.C.I.P. From 8:15P M. to 8:45P M. - Hr. 30 Min (D) 662 P.S.I.

Tool Open F.F.P. From 8:45P M. to 9:45P M. - Hr. 60 Min. From (E) 20 P.S.I. To (F) 20 P.S.I.

Tool Closed F.C.I.P. From 9:45P M. to 10:15P M. - Hr. 30 Min. (G) 562 P.S.I.

Initial Hydrostatic Pressure (A) 1077 P.S.I. Final Hydrostatic Pressure (H) 1063 P.S.I. Maximum Temp. 98

INFORMATION

BLOW Weak blow for 30 minutes.

Did Well Flow - Yes X No Recovery Total Ft. 2' free oil 18' drilling mud.

Reversed Out - Yes X No Mud Type chem Viscosity 50 Weight 9.3 Water Loss 11.2 cc. Chlorides 1200 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 Alco Drlg. Co. Length Drill Pipe? 2029 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3½IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3½IF In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 2-14-76 Test Ticket No. 23972

Recorder No. 1558 Capacity 4200 Location 2147 Ft.

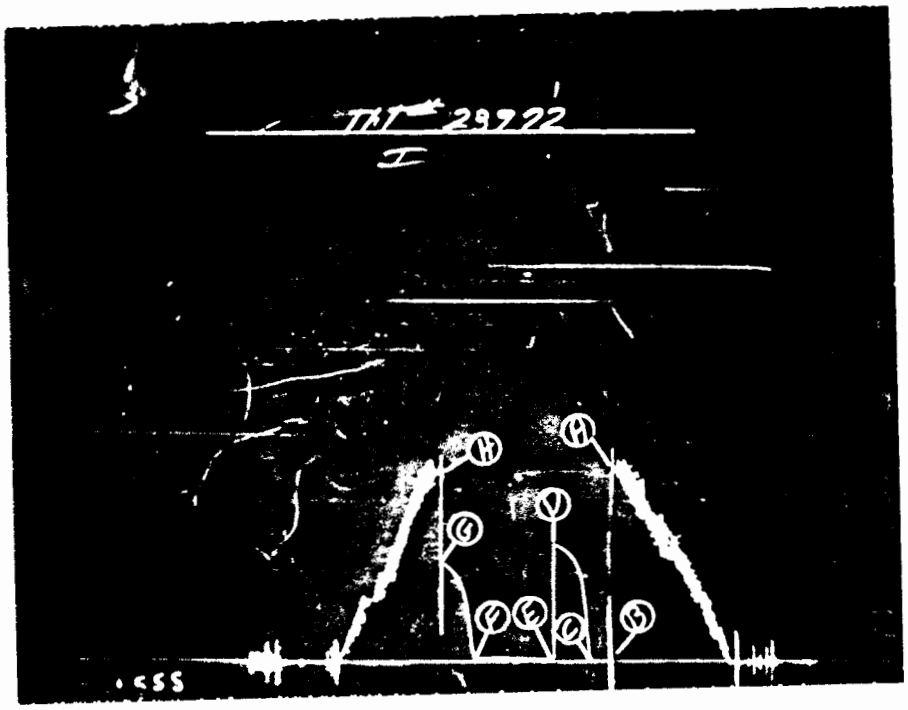
Clock No. 9103 Elevation 1149 Ground Level Well Temperature 98 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1077	P.S.I.	Open Tool	7:58 P. M			
B	First Initial Flow Pressure	4	P.S.I.	First Flow Pressure	15	Mins.	15	Mins.
C	First Final Flow Pressure	5	P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
D	Initial Closed-in Pressure	662	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	20	P.S.I.	Final Closed-in Pressure	30	Mins.	30	Mins.
F	Second Final Flow Pressure	20	P.S.I.					
G	Final Closed-in Pressure	1063	P.S.I.					
H	Final Hydrostatic Mud		P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 10 Inc.		Breakdown: 12 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	4	0	5	0	20	0	20
P 2 5	4	3	86	5	15	3	53
P 3 10	5	6	338	10	15	6	184
P 4 15	5	9	481	15	16	9	329
P 5		12	544	20	17	12	416
P 6		15	586	25	19	15	466
P 7		18	618	30	20	18	500
P 8		21	630	35	20	21	524
P 9		24	645	40	20	24	544
P10		27	656	45	20	27	558
P11		30	662	50	20	30	562
P12				55	20		
P13				60	20		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WTC - 4



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	PRESSURE Office Reading	
(A)	Initial Hydrostatic Mud	1070	1077	PSI
(B)	First Initial Flow Pressure	6	4	PSI
(C)	First Final Flow Pressure	10	5	PSI
(D)	Initial Closed-in Pressure	651	662	PSI
(E)	Second Initial Flow Pressure	10	20	PSI
(F)	Second Final Flow Pressure	20	20	PSI
(G)	Final Closed-in Pressure	560	562	PSI
(H)	Final Hydrostatic Mud	1058	1063	PSI