

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

LLAD INDUSTRIES, INC.

LEASE AND WELL NO.

HOKR #1

SEC.

5

TWP.

16S

RGE.

8W

TEST NO.

1

DATE



Home Office: Wichita, Kansas 67201

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Company Ilus Industries Inc. Lease & Well No. Hokr #1
Elevation 1639 Kelly Bushing Formation Douglas Sand Effective Pay -- Ft. Ticket No. 6378
Date 6-21-80 Sec. 5 Twp. 16 Range 8 W County Ellsworth State Kansas
Test Approved by John I. Willhauck Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 2500 ft. to 2525 ft. Total Depth 2525 ft.

Packer Depth 2495 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2500 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2507 ft. Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 2510 ft. Recorder Number 10207 Cap. 5400

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

Drilling Contractor Emphasis Oil Operator Rig #1 Drill Collar Length -- I. D. -- in.

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

Weight 10.0 Water Loss 9.8 cc. Drill Pipe Length 2479 I. D. 3.8 in.

Chlorides 40,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 25 ft. Size 5 1/2 OD in.

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

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X H in.

Blow: Strong Blow throughout both blow periods. Gas to surface in five minutes of first period.

See Attached sheet for gas measurements

Recovered 384 ft. of Gas Cut Watery Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:15 A.M. Time Started Off Bottom 5:20 P.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1395 P.S.I.

Initial Flow Period Minutes 60 (B) 151 P.S.I. to (C) 236 P.S.I.

Initial Closed In Period Minutes 60 (D) 988 P.S.I.

Final Flow Period Minutes 60 (E) 262 P.S.I. to (F) 332 P.S.I.

Final Closed In Period Minutes 60 (G) 960 P.S.I.

Final Hydrostatic Pressure (H) 1362 P.S.I.



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GAS FLOW REPORT

Date 6/21/80 Ticket 6378 Company Ilus Industries, Inc.
Well Name and No. Hokr #1 Dst No. 1 Interval Tested 2500'-2525'
County Ellsworth State Kansas Sec. 5 Twp. 16S Rg. 8W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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Gas to surface in five minutes.

PRE FLOW

10 min.	8" of water	1½" orifice	197,000	CFPD
20 min.	10" of water	1½" orifice	220,000	CFPD
30 min.	14" of water	1½" orifice	260,000	CFPD
40 min.	16" of water	1½" orifice	278,000	CFPD
50 min.	16" of water	1½" orifice	278,000	CFPD
58 min.	16" of water	1½" orifice	278,000	CFPD

SECOND FLOW

10 min.	24" of water	1½" orifice	341,000	CFPD
20 min.	18" of water	1½" orifice	295,000	CFPD
30 min.	14" of water	1½" orifice	260,000	CFPD
40 min.	16" of water	1½" orifice	278,000	CFPD
50 min.	16" of water	1½" orifice	278,000	CFPD
58 min.	16" of water	1½" orifice	278,000	CFPD

GAS BOTTLE

Serial No. 628 Date Bottle Filled 6/12/80 Date to be Invoiced 6/21/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME ILUS INDUSTRIES, INC.

Authorized by patrick Baltlazor

WESTERN TESTING CO., INC.

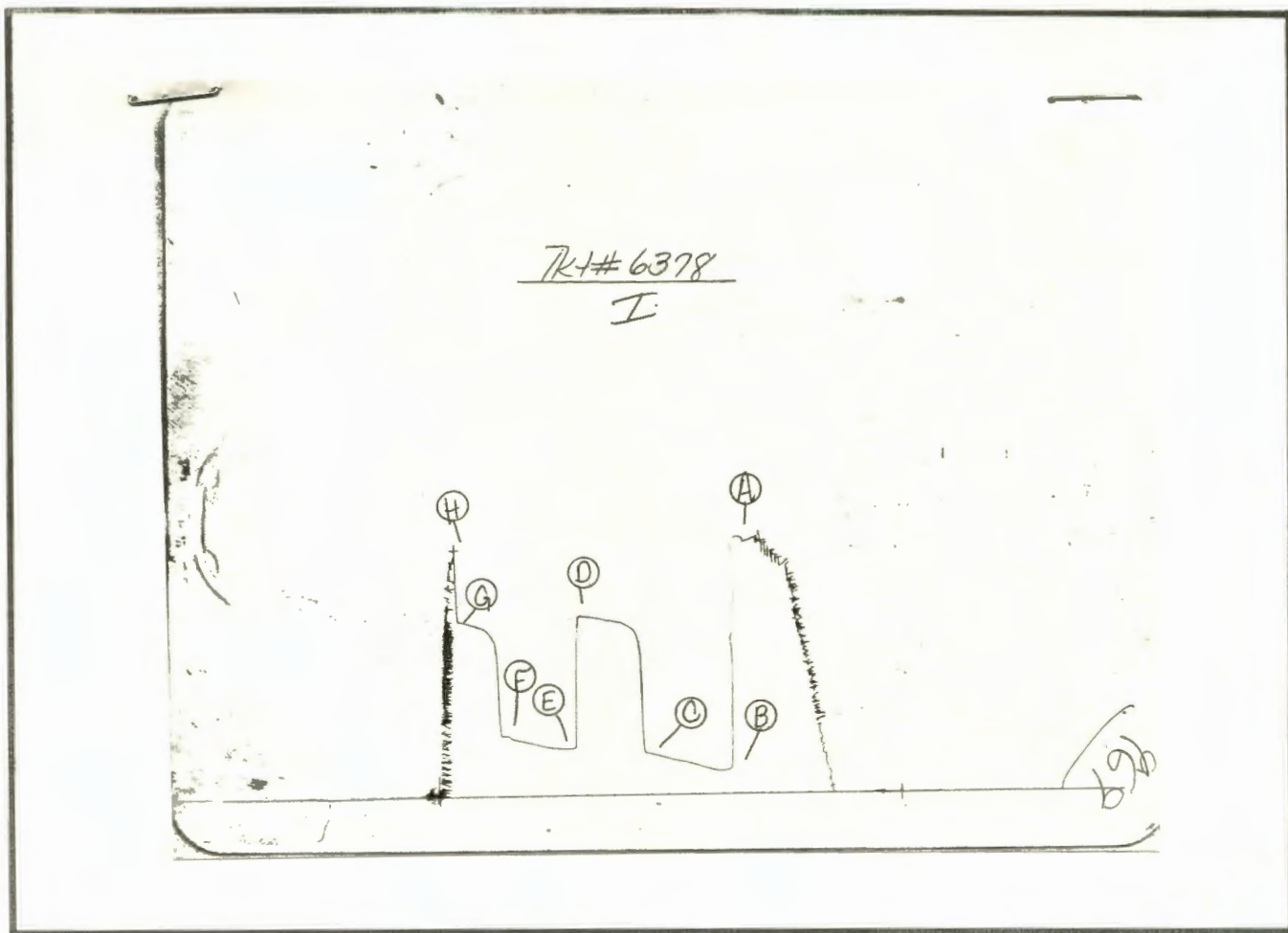
Pressure Data

Date 6-21-80
 Recorder No. 969 Capacity 4150 Location 2507 Ft.
 Clock No. - Elevation 1639 KB Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1395	P.S.I.	1:15	A M
B First Initial Flow Pressure	151	P.S.I.	60	Mins. 65 Mins.
C First Final Flow Pressure	236	P.S.I.	60	Mins. 54 Mins.
D Initial Closed-in Pressure	988	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	262	P.S.I.	60	Mins. 33 Mins.
F Second Final Flow Pressure	332	P.S.I.		
G Final Closed-in Pressure	960	P.S.I.		
H Final Hydrostatic Mud	1362	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>11</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	151	0	236	0	262	0	232
P 2 5	130	3	434	5	260	5	590
P 3 10	130	6	704	10	260	10	830
P 4 15	138	9	865	15	262	12	879
P 5 20	152	12	909	20	268	15	905
P 6 25	164	15	924	25	277	20	922
P 7 30	174	18	939	30	286	25	930
P 8 35	184	21	949	35	294	30	936
P 9 40	188	24	953	40	302	33	947
P10 45	197	27	957	45	309	27	949
P11 50	207	30	959	50	326	30	955
P12 55	217	33	963	55	330	33	960
P13 60	225	36	969	60	332		
P14 65	236	39	973				
P15		42	978				
P16		45	984				
P17		48	986				
P18		51	987				
P19		54	988				
P20		7					



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1394	1395 PSI
(B) First Initial Flow Pressure	122	151 PSI
(C) First Final Flow Pressure	225	236 PSI
(D) Initial Closed-in Pressure	983	988 PSI
(E) Second Initial Flow Pressure	256	262 PSI
(F) Second Final Flow Pressure	317	332 PSI
(G) Final Closed-in Pressure	960	963 PSI
(H) Final Hydrostatic Mud	1364	1362 PSI

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Company Ilus Industries Inc. Lease & Well No. Hokr #1
Elevation 1639 Kelly Bushing Formation Lansing "C" Effective Pay -- Ft. Ticket No. 6379
Date 6-22-80 Sec. 5 Twp. 16 Range 8 W County Ellsworth State Kansas
Test Approved by Patrick Baltazor Western Representative Gene Eberhart

Formation Test No. 2 Interval Tested from 2634 ft. to 2656 ft. Total Depth 2656 ft.

Packer Depth 2629 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2634 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2644 ft.

Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 2644 ft.

Recorder Number 10207 Cap. 5400

Below Straddle Recorder Depth -- ft.

Recorder Number -- Cap. --

Drilling Contractor Emphasis Rig #1

Drill Collar Length -- I. D. -- in.

Mud Type Starch Viscosity 45

Weight Pipe Length -- I. D. -- in.

Weight 10.2 Water Loss 11.6 cc.

Drill Pipe Length 2613 I. D. 3.8 in.

Chlorides 41,000 P.P.M.

Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number --

Anchor Length 22 ft. Size 5 1/2 OD 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 4 1/2 X H in.

Blow: Good 8 inches decreased to 1/2" in 20 min. of first flow period

Recovered 4 ft. of Drilling Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: No final periods run, per Geologist

Time Set Packer(s) 2:41 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:20 ~~P.M.~~ ^{A.M.} Maximum Temperature 111

Initial Hydrostatic Pressure (A) 1508 P.S.I.

Initial Flow Period 25 Minutes (B) 73 P.S.I. to (C) 51 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) 1496 P.S.I.

WESTERN TESTING CO., INC.

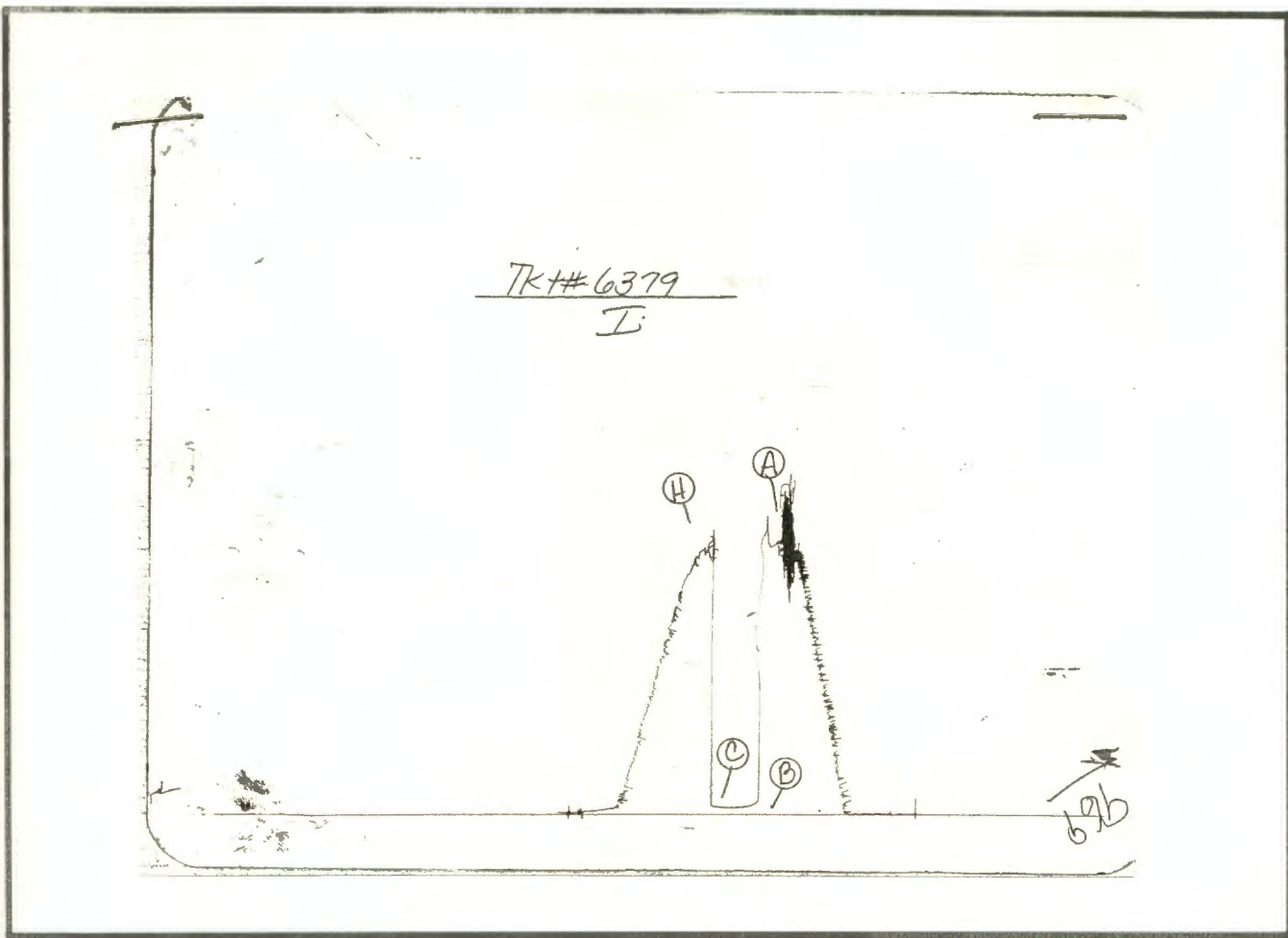
Pressure Data

Date 6-22-80 Recorder No. 969 Capacity 4150 Test Ticket No. 6379
 Clock No. - Elevation 1639KB Location 2641 Ft. Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1508</u> P.S.I.	Open Tool	<u>2:41</u> A M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>25</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>-</u> Mins.	<u>-</u> Mins.
D Initial Closed-in Pressure	<u>-</u> P.S.I.	Second Flow Pressure	<u>-</u> Mins.	<u>-</u> Mins.
E Second Initial Flow Pressure	<u>-</u> P.S.I.	Final Closed-in Pressure	<u>-</u> Mins.	<u>-</u> Mins.
F Second Final Flow Pressure	<u>-</u> P.S.I.			
G Final Closed-in Pressure	<u>-</u> P.S.I.			
H Final Hydrostatic Mud	<u>1496</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>7</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>-</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>-</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>-</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>73</u>						
P 2 <u>5</u>	<u>56</u>						
P 3 <u>10</u>	<u>47</u>						
P 4 <u>15</u>	<u>44</u>						
P 5 <u>20</u>	<u>43</u>						
P 6 <u>25</u>	<u>45</u>						
P 7 <u>30</u>	<u>48</u>						
P 8 <u>35</u>	<u>51</u>						
P 9							
P10							
P11							
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	1508	1508	PSI
(B) First Initial Flow Pressure	71	73	PSI
(C) First Final Flow Pressure	40	51	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	1495	1496	PSI