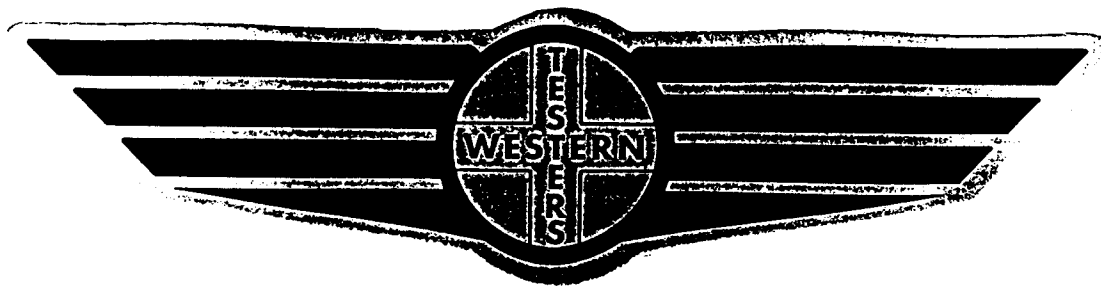


$P_s (ISIP) = CK$
 $P_s (FSIP) = CK$

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

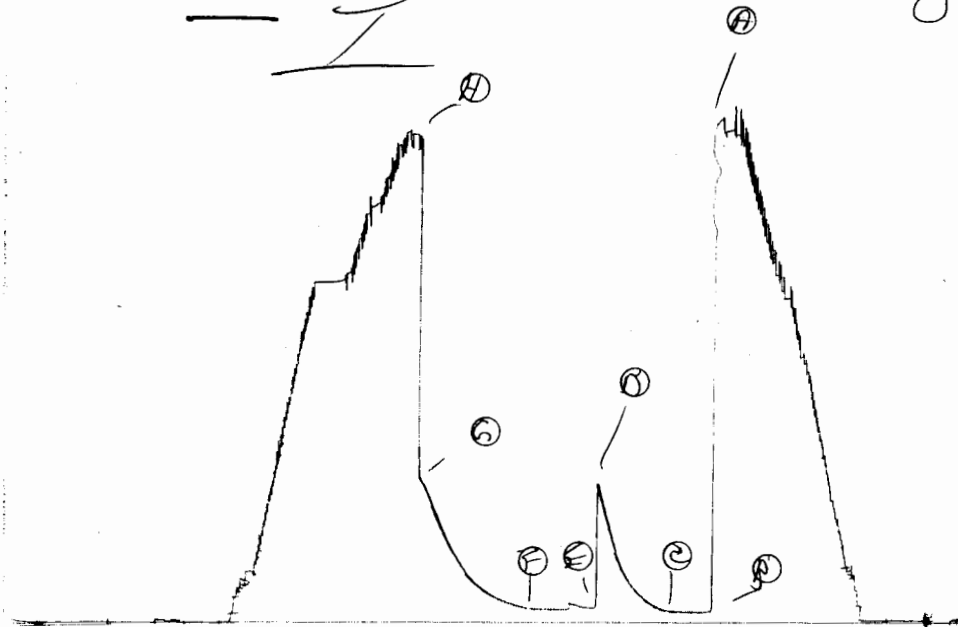
Phone 1 - 800-688-7021

COMPANY HICOTON ENERGY CO. LEASE & WELL NO. #1-8 HENRY SEC. 8 TWP. 29S RGE. 39W TEST NO. 1 DATE 7/15/93

KT 19085

#3849 DST 18

- I

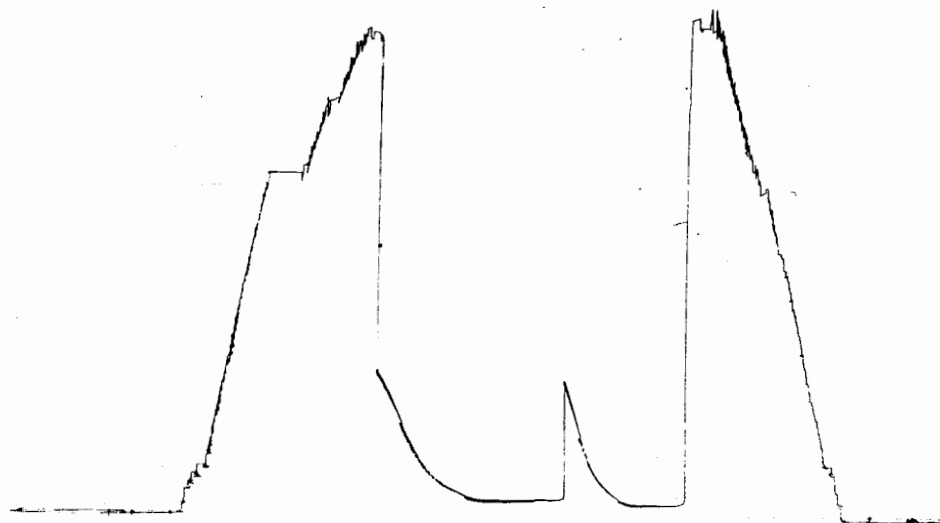


Inside Recorder

KT 19085

2604 DST 18

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 7/15/93	TICKET	: 19085
CUSTOMER	: HUGOTON ENERGY CO	LEASE	: HENRY
WELL	: #1-8	TEST:	1
ELEVATION	: 3239 KB	GEOLOGIST	: ?
SECTION	: 8	FORMATION	: LOWER MORROW SAND
RANGE	: 39W	TOWNSHIP	: 29S
GAUGE SN#	: 3849	STATE	: KS
	COUNTY: STANTON	CLOCK	: 12
	RANGE : 4200		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5512.00 ft	TO:	5582.00 ft	TVD:	5582.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5534.0 ft		5537.0 ft		
TEMPERATURE:	138.0				
DRILL COLLAR LENGTH:	576.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	4908.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	70.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH		
PACKER DEPTH:	5507.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	5512.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	TRANSPAC RIG 2	VISCOSITY :	57.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.400 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	1000 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 1/4 INCH BLOW -
SLOWLY BUILT TO 3 INCHES IN BUCKET IN 30 MINUTES.
FINAL FLOW PERIOD SURFACE BLOW - BUILT TO 1 1/2

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INCHES IN BUCKET IN 45 MINUTES.
SLID TOOL 8 FT TO BOTTOM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.4426 STB
WATER VOLUME: 0.0000 STB
TOTAL FLUID : 0.4426 STB

TOTAL FLOW TIME: 75.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2716.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	51.00	55.00
INITIAL SHUT-IN	60.00		755.00
FINAL FLOW	45.00	61.00	65.00
FINAL SHUT-IN	90.00		790.00

FINAL HYDROSTATIC PRESSURE: 2667.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2761.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	57.00	59.00
INITIAL SHUT-IN	57.00		754.00
FINAL FLOW	45.00	77.00	73.00
FINAL SHUT-IN	87.00		793.00

FINAL HYDROSTATIC PRESSURE: 2677.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/15/93	TICKET : 19085
CUSTOMER : HUGOTON ENERGY CO	LEASE : HENRY
WELL : #1-8 TEST: 1	GEOLOGIST: ?
ELEVATION: 3239 KB	FORMATION: LOWER MORROW SAND
SECTION : 8	TOWNSHIP : 29S
RANGE : 39W COUNTY: STANTON	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	57.00	57.00
5.00	57.00	0.00
10.00	57.00	0.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	58.00	1.00
30.00	59.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
30+ 3.00	64.00	64.00	0.00
6 6.00	66.00	2.00	0.00
43 9.00	73.00	7.00	0.00
3.6 12.00	82.00	9.00	0.00
3 15.00	96.00	14.00	0.00
1.7 18.00	111.00	15.00	0.00
2.4 21.00	128.00	17.00	0.00
2.25 24.00	149.00	21.00	0.00
2.1 27.00	171.00	22.00	0.00
2 30.00	198.00	27.00	0.00
1.9 33.00	236.00	38.00	0.00
1.8 36.00	277.00	41.00	0.00
1.77 39.00	325.00	48.00	0.00
1.71 42.00	391.00	66.00	0.00
1.67 45.00	471.00	80.00	0.00
1.63 48.00	544.00	73.00	0.00
1.57 51.00	632.00	88.00	0.00
1.56 54.00	711.00	79.00	0.00
1.53 57.00	754.00	43.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	77.00	77.00
5.00	77.00	0.00
10.00	83.00	6.00
15.00	95.00	12.00
20.00	69.00	-26.00
25.00	69.00	0.00
30.00	70.00	1.00
35.00	71.00	1.00
40.00	72.00	1.00
45.00	73.00	1.00

FINAL SHUT IN

	Time (min)	Pressure	Delta P	Horner T
75+	26 3.00	77.00	77.00	0.00
	13.5 6.00	79.00	2.00	0.00
	9.3 9.00	83.00	4.00	0.00
	7.8 12.00	89.00	6.00	0.00
	6 15.00	96.00	7.00	0.00
	5.2 18.00	102.00	6.00	0.00
	4.6 21.00	111.00	9.00	0.00
	4.1 24.00	117.00	6.00	0.00
	3.8 27.00	128.00	11.00	0.00
	3.5 30.00	140.00	12.00	0.00
	3.3 33.00	150.00	10.00	0.00
	3.1 36.00	167.00	17.00	0.00
	2.9 39.00	181.00	14.00	0.00
	2.8 42.00	198.00	17.00	0.00
	2.7 45.00	219.00	21.00	0.00
	2.6 48.00	242.00	23.00	0.00
	2.47 51.00	268.00	26.00	0.00
	2.4 54.00	302.00	34.00	0.00
	2.32 57.00	339.00	37.00	0.00
	2.25 60.00	379.00	40.00	0.00
	63.00	425.00	46.00	0.00
	2.14 66.00	472.00	47.00	0.00
	69.00	509.00	37.00	0.00
	2.04 72.00	569.00	60.00	0.00
	2 75.00	620.00	51.00	0.00
	1.96 78.00	671.00	51.00	0.00
	81.00	722.00	51.00	0.00
	1.89 84.00	762.00	40.00	0.00

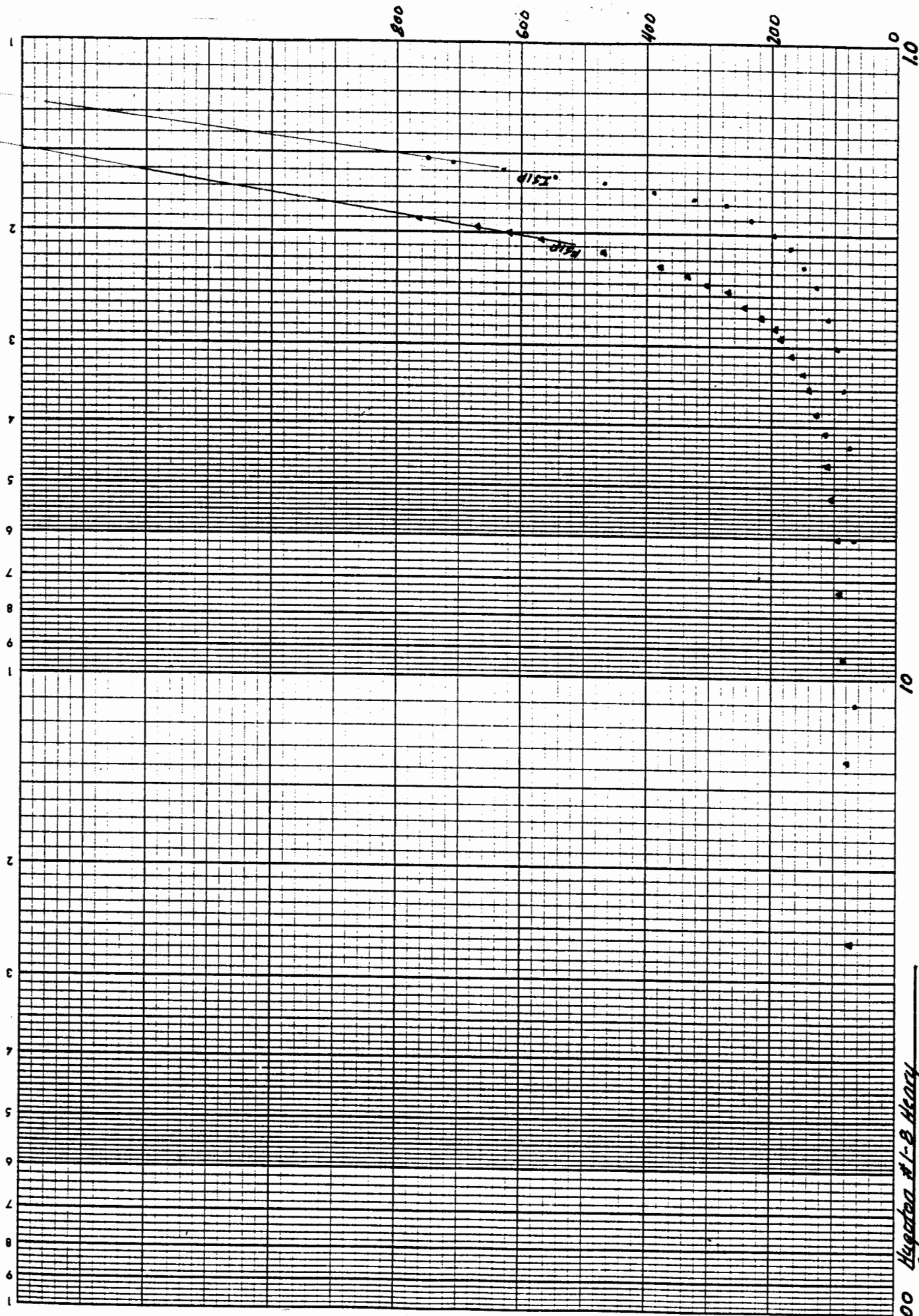
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
87.00	793.00	31.00	0.00

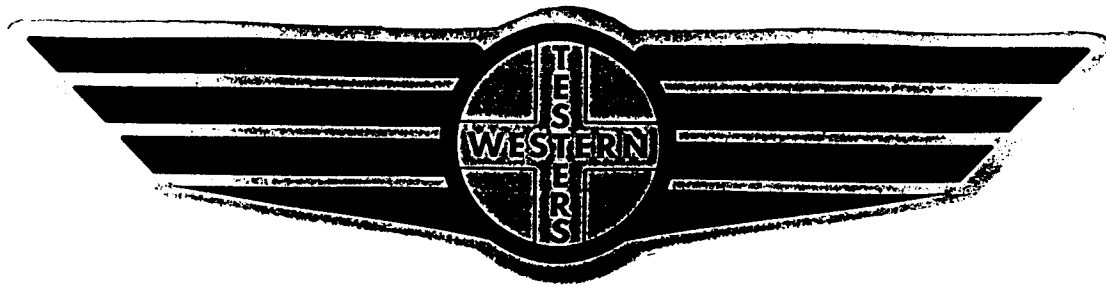
Depth 5512-82 Fm. L. Morrow

100 Hueston #1-B Healy
8-295-39W



$P_s(IPS) =$
 $P_s(FSIP) = CK$

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY HUGOTON ENERGY CO. LEASE & WELL NO. #1-8 HENRY SEC. 8 TWP 29S RGE. 39W TEST NO. 2 DATE 7/18/93

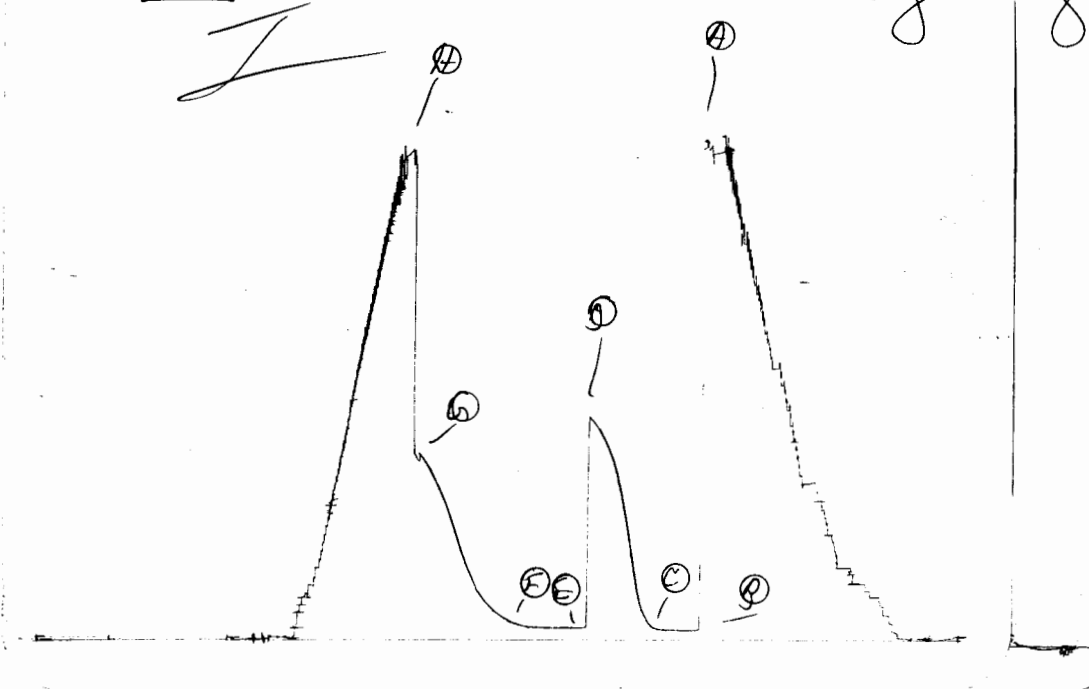
KT 19086.

#3849 DST2

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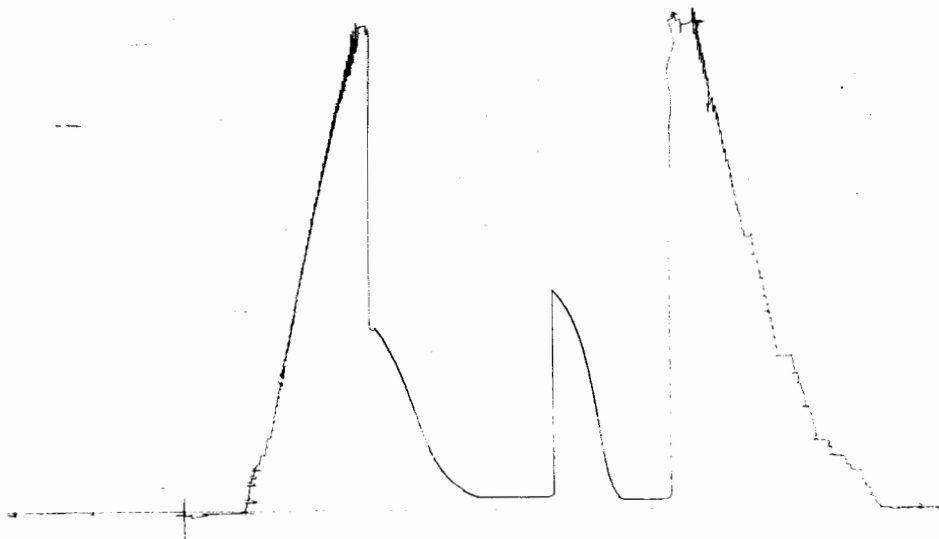
Inside Recorder

KT 19086

2604 DST2

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 7/18/93	TICKET	: 19086
CUSTOMER	: HUGOTON ENERGY CO	LEASE	: HENRY
WELL	: #1-8	TEST:	2
ELEVATION	: 3239 KB	GEOLOGIST	: ?
SECTION	: 8	FORMATION	: MORROW
RANGE	: 39W	TOWNSHIP	: 29S
GAUGE SN#	: 3849	STATE	: KS
	COUNTY: STANTON	CLOCK	: 12
	RANGE : 4200		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5495.00 ft	TO:	5524.00 ft	TVD:	5830.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5507.0 ft		5510.0 ft		
TEMPERATURE:	138.0				
DRILL COLLAR LENGTH:	607.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4860.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	29.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	5490.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5495.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5524.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	TRANSPAC RIG 2	VISCOSITY :	54.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.500 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	1500 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD 1 INCH IN BUCKET - DECREASED
SLIGHTLY IN 30 MINUTES. FINAL FLOW PERIOD NO
BLOW.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLID TOOL 15 FT TO BOTTOM.
TAILPIPE 275 FT OF 4.5"; 31 FT OF 5.5" TOTAL 306FT

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.4426	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.4426	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2688.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	44.00	48.00
INITIAL SHUT-IN	60.00		1215.00
FINAL FLOW	45.00	55.00	55.00
FINAL SHUT-IN	90.00		1016.00

FINAL HYDROSTATIC PRESSURE: 2671.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2703.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	59.00	64.00
INITIAL SHUT-IN	57.00		1228.00
FINAL FLOW	45.00	73.00	78.00
FINAL SHUT-IN	84.00		1033.00

FINAL HYDROSTATIC PRESSURE: 2689.00

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C
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E
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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/18/93	TICKET : 19086
CUSTOMER : HUGOTON ENERGY CO	LEASE : HENRY
WELL : #1-8 TEST: 2	GEOLOGIST: ?
ELEVATION: 3239 KB	FORMATION: MORROW
SECTION : 8	TOWNSHIP : 29S
RANGE : 39W COUNTY: STANTON	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	59.00	59.00
5.00	59.00	0.00
10.00	59.00	0.00
15.00	59.00	0.00
20.00	60.00	1.00
25.00	62.00	2.00
30.00	64.00	2.00

INITIAL SHUT IN

	Time (min)	Pressure	Delta P	Horner T
30+	11 3.00	67.00	67.00	0.00
	6 6.00	78.00	11.00	0.00
	43 9.00	99.00	21.00	0.00
	3.5 12.00	138.00	39.00	0.00
	3 15.00	186.00	48.00	0.00
	2.7 18.00	294.00	108.00	0.00
	2.4 21.00	413.00	119.00	0.00
	2.25 24.00	543.00	130.00	0.00
	2.1 27.00	672.00	129.00	0.00
	2 30.00	801.00	129.00	0.00
	1.9 33.00	902.00	101.00	0.00
	1.8 36.00	981.00	79.00	0.00
	1.77 39.00	1033.00	52.00	0.00
	1.71 42.00	1091.00	58.00	0.00
	1.67 45.00	1134.00	43.00	0.00
	1.63 48.00	1165.00	31.00	0.00
	1.59 51.00	1197.00	32.00	0.00
	1.56 54.00	1219.00	22.00	0.00
	1.53 57.00	1228.00	9.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

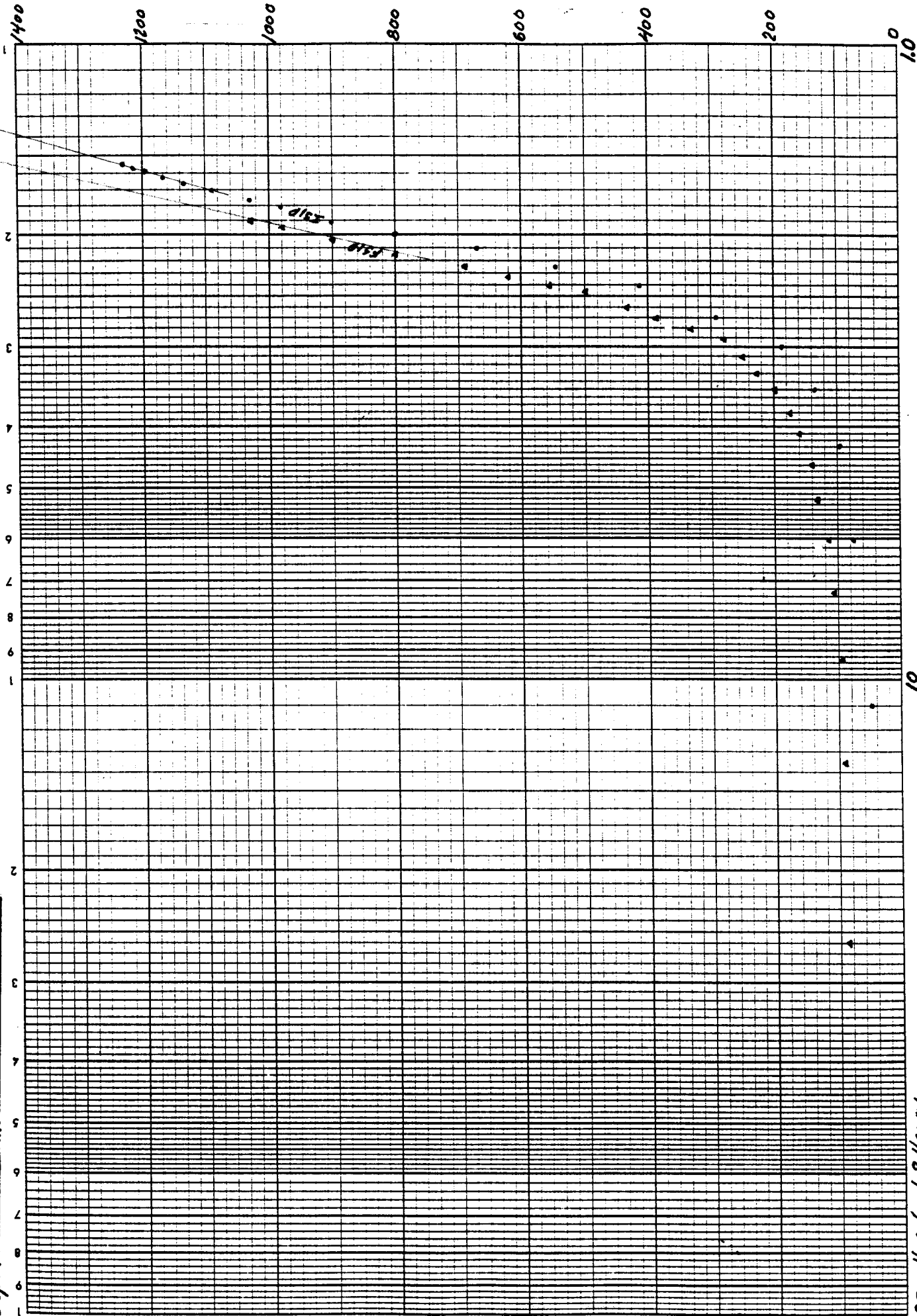
FINAL FLOW

Time (min)	Pressure	Delta P
0.00	73.00	73.00
5.00	73.00	0.00
10.00	73.00	0.00
15.00	73.00	0.00
20.00	73.00	0.00
25.00	74.00	1.00
30.00	75.00	1.00
35.00	76.00	1.00
40.00	77.00	1.00
45.00	78.00	1.00

FINAL SHUT IN

	Time (min)	Pressure	Delta P	Horner T
75+	26 3.00	85.00	85.00	0.00
	13.5 6.00	89.00	4.00	0.00
	9.3 9.00	95.00	6.00	0.00
	7.3 12.00	103.00	8.00	0.00
	6 15.00	115.00	12.00	0.00
	5.2 18.00	128.00	13.00	0.00
	4.6 21.00	140.00	12.00	0.00
	4.1 24.00	160.00	20.00	0.00
	3.8 27.00	177.00	17.00	0.00
	3.6 30.00	199.00	22.00	0.00
	3.5 33.00	227.00	28.00	0.00
	3.1 36.00	252.00	25.00	0.00
	2.9 39.00	281.00	29.00	0.00
	2.8 42.00	335.00	54.00	0.00
	2.7 45.00	383.00	48.00	0.00
	2.6 48.00	437.00	54.00	0.00
	2.47 51.00	501.00	64.00	0.00
	2.4 54.00	558.00	57.00	0.00
	2.32 57.00	620.00	62.00	0.00
	2.25 60.00	689.00	69.00	0.00
	63.00	750.00	61.00	0.00
	2.14 66.00	799.00	49.00	0.00
	69.00	855.00	56.00	0.00
	2.04 72.00	901.00	46.00	0.00
	75.00	945.00	44.00	0.00
	1.96 78.00	978.00	33.00	0.00
	81.00	1010.00	32.00	0.00
	1.84 84.00	1033.00	23.00	0.00

Depth 5495-5524 Fm.



100 Humboldt-8 Henry
8-794-39W