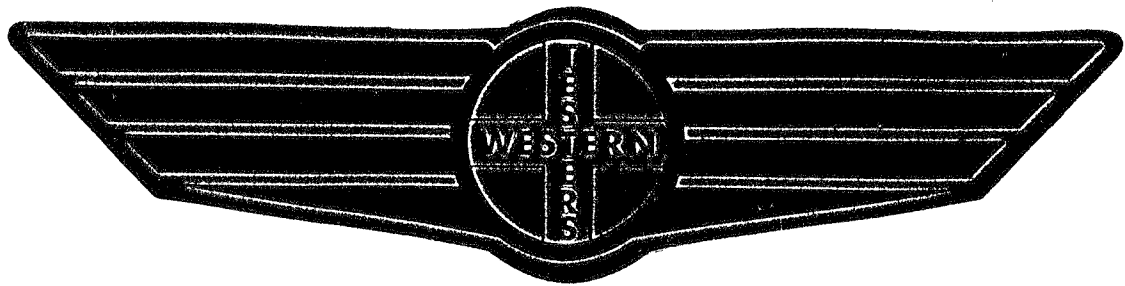


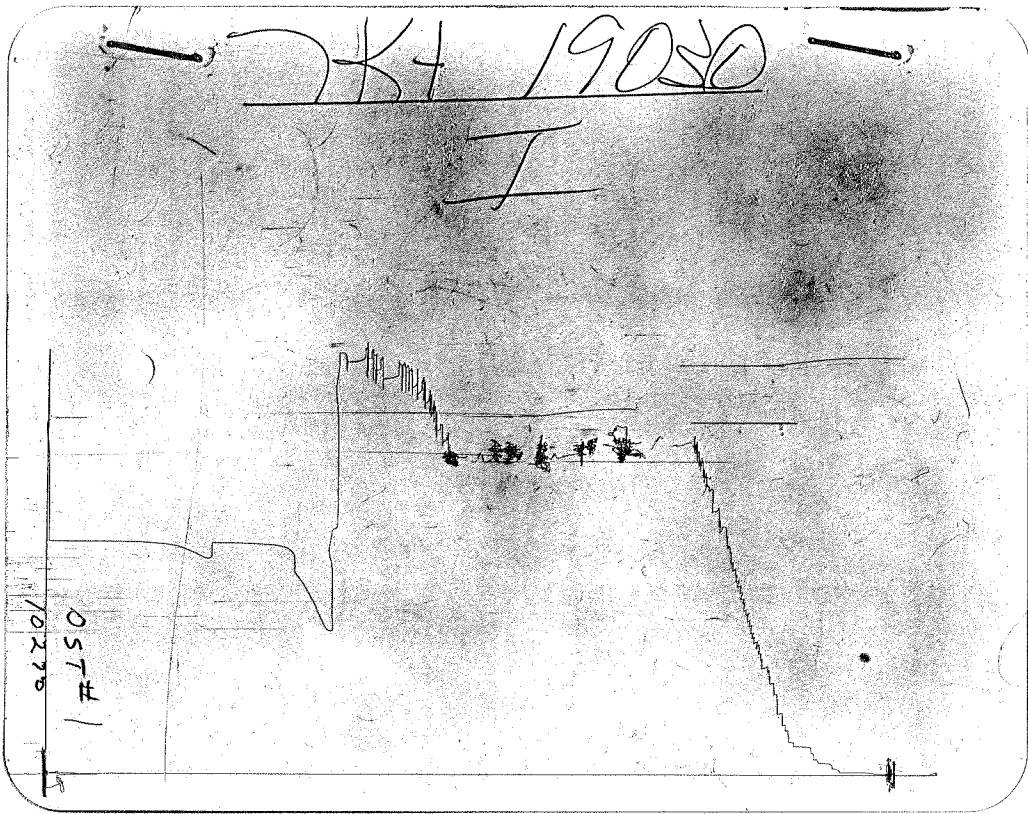
P3 (ISIP) 1258
(FSIP) 1266

FORMATION TEST REPORT

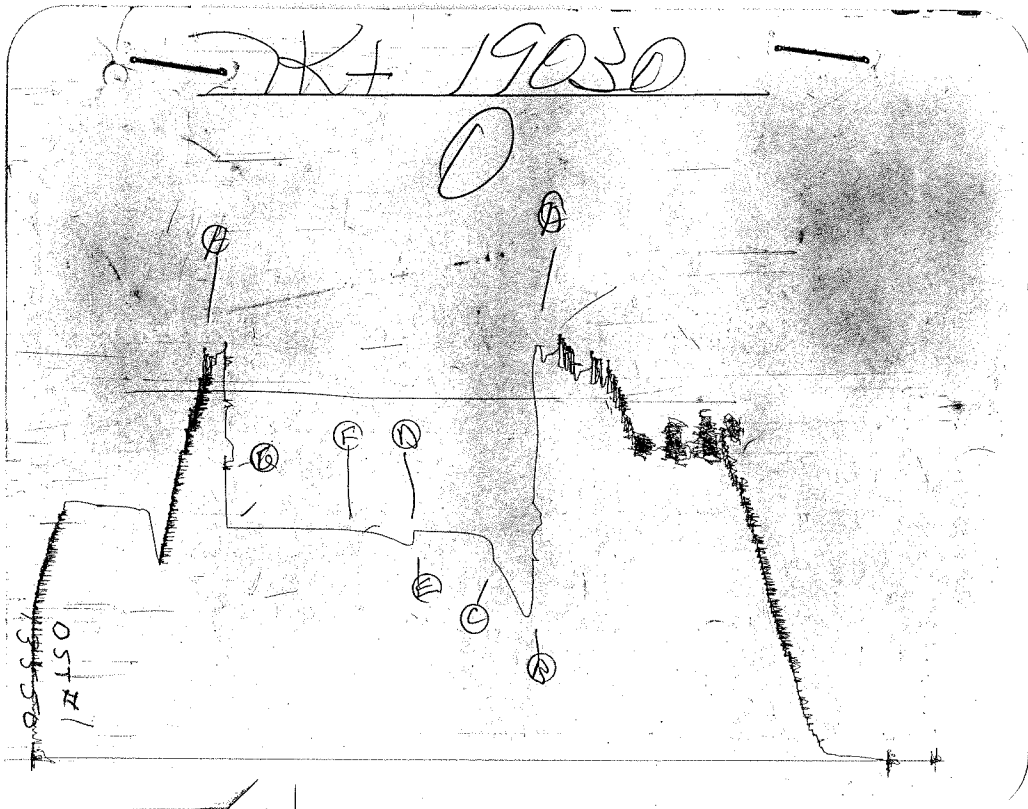


Home Office: Wichita, Kansas 67201
P.O. Box 1599 Phone 1-800-688-7021

COMPANY HUGOTON ENERGY CORPORATION FASIF & WPII NO. #1-4 VOILES SFC. 4 TWP. 33S RGF. 43W TRST NO. 1 DATE 2/8/94



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 2/8/94
CUSTOMER : HUGOTON ENERGY CORP
WELL : #1-4 TEST: 1
ELEVATION: 3620 GL
SECTION : 4
RANGE : 43W COUNTY: MORTON
GAUGE SN#: 13550 RANGE : 4175
TICKET : 19030
LEASE : VOILES
GEOLOGIST:
FORMATION: MORROW
TOWNSHIP : 33S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4651.00 ft TO: 4680.00 ft TVD: 4680.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4672.0 ft 4675.0 ft
TEMPERATURE: 126.0
DRILL COLLAR LENGTH: 120.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4504.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 27.0 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: 4646.0 ft SIZE: 6.630 in
PACKER DEPTH: 4651.0 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. : DUKE DRLG RIG 1
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp
WEIGHT : 9.100 ppg WATER LOSS: 9.600 cc
CHLORIDES : 1000 ppm
JARS-MAKE : WTC SERIAL NUMBER: 422
DID WELL FLOW?: YES REVERSED OUT?: YES

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - GAS TO SURFACE
IN 18 MINUTES. FINAL FLOW PERIOD STRONG BLOW -
GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2750.0	100.0	0.0	0.0	0.0	CLEAN OIL
0.0	0.0	0.0	0.0	0.0	GRAVITY 35
150.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 78000 PPM

RATE INFORMATION

OIL VOLUME:	38.5725	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	740.5915	STB/D
MUD VOLUME:	0.0000	STB	AVERAGE WATER RATE:	18.9111	STB/D
WATER VOLUME:	0.9850	STB			
TOTAL FLUID :	39.5574	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2203.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	779.00	1092.00
INITIAL SHUT-IN	60.00		1269.00
FINAL FLOW	45.00	1186.00	1248.00
FINAL SHUT-IN	90.00		1269.00

FINAL HYDROSTATIC PRESSURE: 2203.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2255.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	792.00	1090.00
INITIAL SHUT-IN	60.00		1255.00
FINAL FLOW	45.00	1178.00	1257.00
FINAL SHUT-IN	90.00		1266.00

FINAL HYDROSTATIC PRESSURE: 2205.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 2/8/94	TICKET : 19030
CUSTOMER : HUGOTON ENERGY CORP	LEASE : VOILES
WELL : #1-4 TEST: 1	GEOLOGIST:
ELEVATION: 3620 GL	FORMATION: MORROW
SECTION : 4	TOWNSHIP : 33S
RANGE : 43W COUNTY: MORTON	STATE : KS
GAUGE SN#: 13550 RANGE : 4175	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
25 MIN	MERLA	0.250	10" WATER	5320 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.250	12" WTR	5860 SCF/D
15 MIN	MERLA	0.250	5" WTR	3710 SCF/D
25 MIN	MERLA	0.250	3" WTR	2920 SCF/D
35 MIN	MERLA	0.250	2" WTR	2370 SCF/D
40 MIN	MERLA	0.250	2" WTR	2370 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/8/94	TICKET : 19030
CUSTOMER : HUGOTON ENERGY CORP	LEASE : VOILES
WELL : #1-4 TEST: 1	GEOLOGIST:
ELEVATION: 3620 GL	FORMATION: MORROW
SECTION : 4	TOWNSHIP : 33S
RANGE : 43W COUNTY: MORTON	STATE : KS
GAUGE SN#: 13550 RANGE : 4175	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	792.00	792.00
5.00	792.00	0.00
10.00	837.00	45.00
15.00	904.00	67.00
20.00	977.00	73.00
25.00	1046.00	69.00
30.00	1090.00	44.00

INITIAL SHUT IN

<i>30+</i>	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
<i>11</i>	3.00	1204.00	1204.00	11.00
<i>6</i>	6.00	1221.00	17.00	6.00
<i>4.3</i>	9.00	1229.00	8.00	4.33
<i>3.5</i>	12.00	1235.00	6.00	3.50
<i>3</i>	15.00	1240.00	5.00	3.00
<i>2.7</i>	18.00	1244.00	4.00	2.67
<i>2.4</i>	21.00	1247.00	3.00	2.43
<i>2.25</i>	24.00	1249.00	2.00	2.25
<i>2.1</i>	27.00	1250.00	1.00	2.11
<i>2</i>	30.00	1251.00	1.00	2.00
<i>1.9</i>	33.00	1251.00	0.00	1.91
<i>1.8</i>	36.00	1251.00	0.00	1.83
<i>1.77</i>	39.00	1251.00	0.00	1.77
<i>1.71</i>	42.00	1251.00	0.00	1.71
<i>1.67</i>	45.00	1251.00	0.00	1.67
<i>1.63</i>	48.00	1251.00	0.00	1.63
<i>1.59</i>	51.00	1252.00	1.00	1.59
<i>1.56</i>	54.00	1253.00	1.00	1.56
<i>1.53</i>	57.00	1254.00	1.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
<i>1.5</i>	60.00	1255.00	1.00	1.50

FINAL FLOW

	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
	0.00	1178.00	1178.00
	5.00	1178.00	0.00
	10.00	1194.00	16.00
	15.00	1209.00	15.00
	20.00	1223.00	14.00
	25.00	1235.00	12.00
	30.00	1243.00	8.00
	35.00	1249.00	6.00
	40.00	1253.00	4.00
	45.00	1257.00	4.00

FINAL SHUT IN

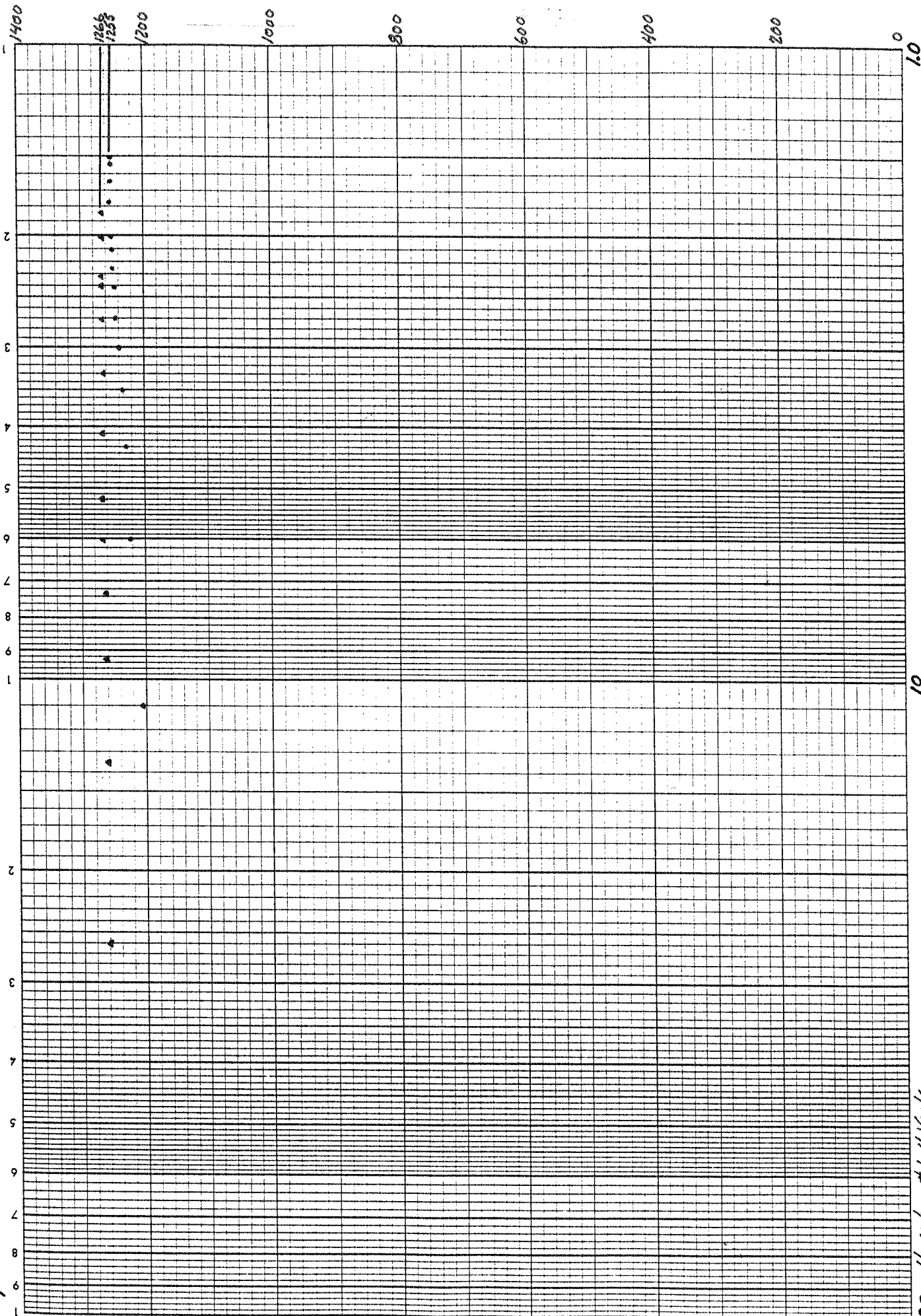
	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>	
<i>75+</i>	26	3.00	1259.00	1259.00	16.00
	<i>13.5</i>	6.00	1261.00	2.00	8.50
	<i>9.3</i>	9.00	1262.00	1.00	6.00
	<i>7.3</i>	12.00	1263.00	1.00	4.75
	<i>6</i>	15.00	1264.00	1.00	4.00
	<i>5.2</i>	18.00	1264.00	0.00	3.50
	<i>4.6</i>	21.00	1264.00	0.00	3.14
	<i>4.1</i>	24.00	1264.00	0.00	2.88
	<i>3.8</i>	27.00	1264.00	0.00	2.67
	<i>3.5</i>	30.00	1264.00	0.00	2.50
	<i>3.3</i>	33.00	1264.00	0.00	2.36
	<i>3.1</i>	36.00	1265.00	1.00	2.25
	<i>2.9</i>	39.00	1265.00	0.00	2.15
	<i>2.8</i>	42.00	1265.00	0.00	2.07
	<i>2.7</i>	45.00	1265.00	0.00	2.00
	<i>2.6</i>	48.00	1265.00	0.00	1.94
	<i>2.47</i>	51.00	1266.00	1.00	1.88
	<i>2.4</i>	54.00	1266.00	0.00	1.83
	<i>2.32</i>	57.00	1266.00	0.00	1.79

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
<i>2.25</i>	60.00	1266.00	0.00	1.75
	63.00	1266.00	0.00	1.71
<i>2.14</i>	66.00	1266.00	0.00	1.68
	69.00	1266.00	0.00	1.65
<i>2.04</i>	72.00	1266.00	0.00	1.63
<i>2</i>	75.00	1266.00	0.00	1.60
<i>1.96</i>	78.00	1266.00	0.00	1.58
	81.00	1266.00	0.00	1.56
<i>1.89</i>	84.00	1266.00	0.00	1.54
	87.00	1266.00	0.00	1.52
<i>1.83</i>	90.00	1266.00	0.00	1.50

Depth 4672-75 Fm. Morrow



100 Houston #1-4 Vals
41-225-43 W