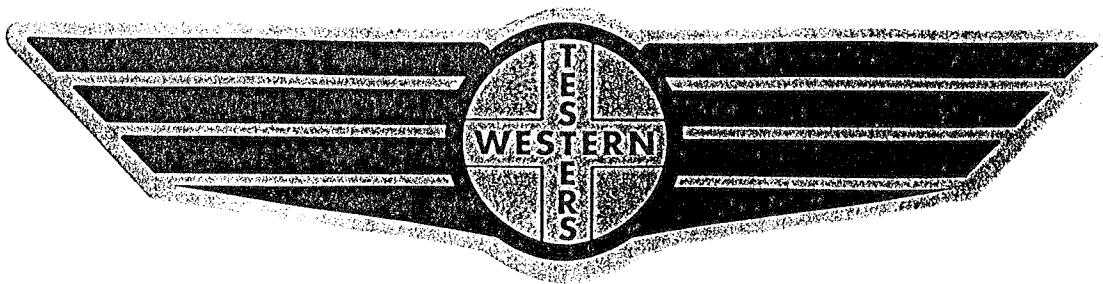


Pg 1660 psi

FORMATION TEST REPORT

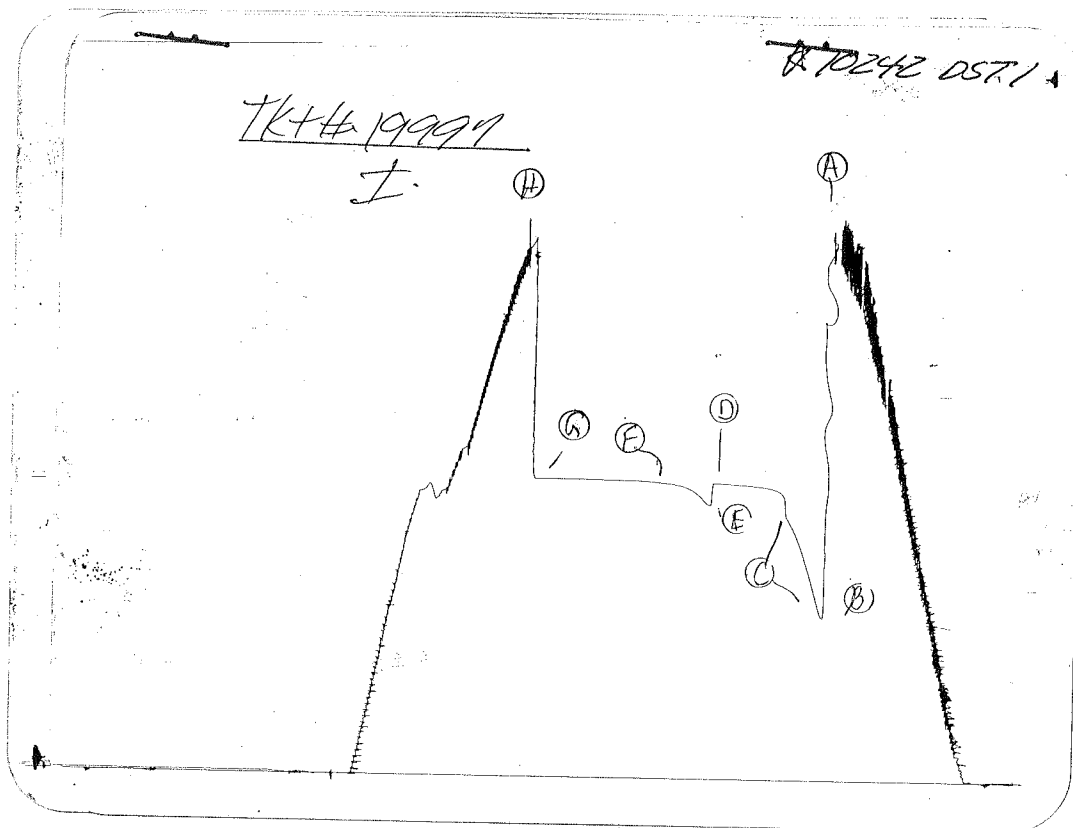


Home Office:

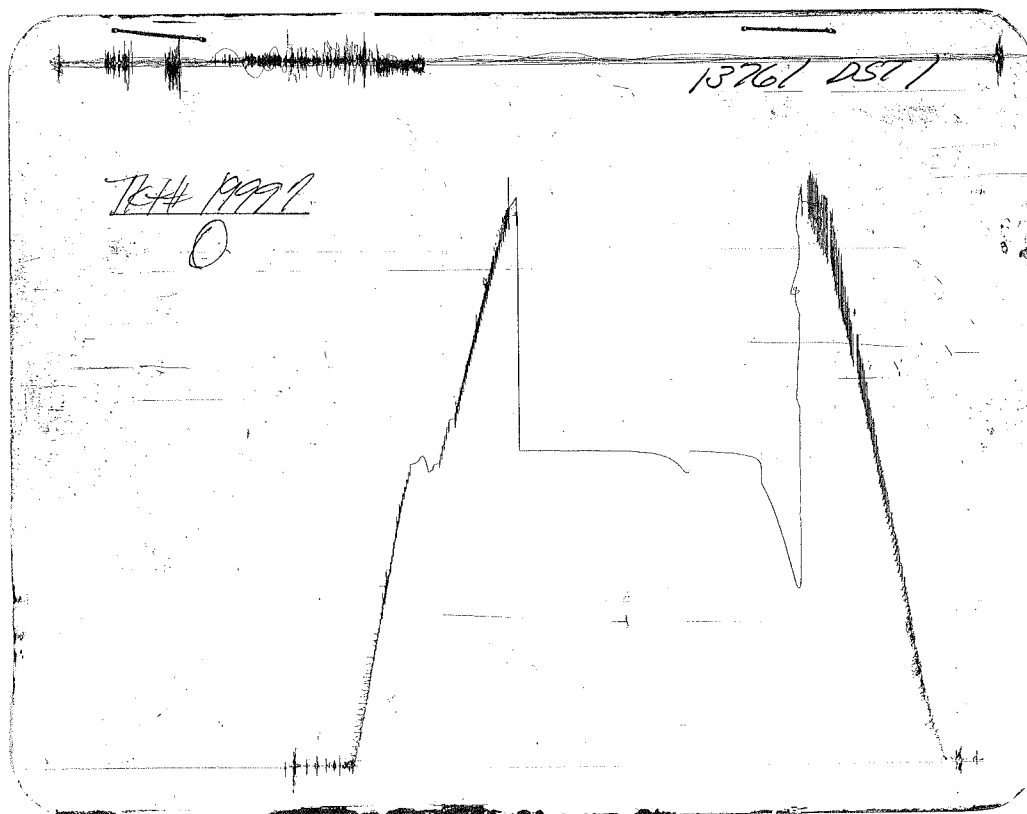
Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 6/25/94	TICKET	: 19997
CUSTOMER	: HUGOTON ENERGY CORP.	LEASE	: WESTWIND
WELL	: #1-12	TEST: 1	GEOLOGIST:
ELEVATION:	3234 KB	FORMATION:	ST LOUIS
SECTION	: 7	TOWNSHIP	: 29S
RANGE	: 39W	COUNTY:	STANTON
GAUGE SN#:	10242	STATE	: KS
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5750.00 ft	TO:	5785.00 ft	TVD:	5850.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5772.0 ft		5775.0 ft		
TEMPERATURE:	142.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5722.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	35.0 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:	5745.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5750.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5785.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	VAL ENERGY RIG 1	VISCOSITY :	49.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.500 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	700 ppm	SERIAL NUMBER:	406
JARS-MAKE :	WTC	REVERSED OUT?:	YES
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 1 MINUTE. FINAL FLOW PERIOD STRONG BLOW
OFF BOTTOM OF BUCKET IN 2 MINUTES. - DECREASED

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLIGHTLY.
TAILPIPE 60 FT OF 4.5"; 5 FT OF 5.5" TOTAL 65 FT.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	58.0	42.0	HEAVILY MUD CUT WATER
3310.0	0.0	0.0	100.0	0.0	GASSY SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 34500 PPM
0.0	0.0	0.0	0.0	0.0	RW .18 @ 75 DEGREES F

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.7069 STB
WATER VOLUME: 47.4035 STB
TOTAL FLUID : 48.1104 STB

TOTAL FLOW TIME: 75.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 923.7196 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2897.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	924.00	1465.00
INITIAL SHUT-IN	60.00		1642.00
FINAL FLOW	45.00	1514.00	1642.00
FINAL SHUT-IN	90.00		1642.00

FINAL HYDROSTATIC PRESSURE: 2876.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6/25/94	TICKET : 19997
CUSTOMER : HUGOTON ENERGY CORP.	LEASE : WESTWIND
WELL : #1-12 TEST: 1	GEOLOGIST:
ELEVATION: 3234 KB	FORMATION: ST LOUIS
SECTION : 7	TOWNSHIP : 29S
RANGE : 39W COUNTY: STANTON	STATE : KS
GAUGE SN#: 10242 RANGE : 4400	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	933.00	933.00
5.00	1003.00	70.00
10.00	1122.00	119.00
15.00	1234.00	112.00
20.00	1334.00	100.00
25.00	1412.00	78.00
30.00	1473.00	61.00

INITIAL SHUT IN

<i>30+</i>	Time (min)	Pressure	Delta P	Horner T
<i>11</i>	3.00	1592.00	1592.00	0.00
<i>6</i>	6.00	1607.00	15.00	0.00
<i>4.3</i>	9.00	1616.00	9.00	0.00
<i>3.5</i>	12.00	1621.00	5.00	0.00
<i>3</i>	15.00	1626.00	5.00	0.00
<i>2.7</i>	18.00	1628.00	2.00	0.00
<i>2.4</i>	21.00	1630.00	2.00	0.00
<i>2.25</i>	24.00	1632.00	2.00	0.00
<i>2.1</i>	27.00	1634.00	2.00	0.00
<i>2</i>	30.00	1636.00	2.00	0.00
<i>1.9</i>	33.00	1638.00	2.00	0.00
<i>1.8</i>	36.00	1639.00	1.00	0.00
<i>1.77</i>	39.00	1640.00	1.00	0.00
<i>1.71</i>	42.00	1641.00	1.00	0.00
<i>1.67</i>	45.00	1642.00	1.00	0.00
<i>1.63</i>	48.00	1643.00	1.00	0.00
<i>1.59</i>	51.00	1644.00	1.00	0.00
<i>1.56</i>	54.00	1645.00	1.00	0.00
<i>1.53</i>	57.00	1646.00	1.00	0.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2940.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	933.00	1473.00
INITIAL SHUT-IN	57.00		1646.00
FINAL FLOW	45.00	1531.00	1648.00
FINAL SHUT-IN	90.00		1660.00

FINAL HYDROSTATIC PRESSURE: 2940.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	1531.00	1531.00
5.00	1549.00	18.00
10.00	1583.00	34.00
15.00	1609.00	26.00
20.00	1625.00	16.00
25.00	1632.00	7.00
30.00	1639.00	7.00
35.00	1643.00	4.00
40.00	1646.00	3.00
45.00	1648.00	2.00

FINAL SHUT IN

	Time (min)	Pressure	Delta P	Horner T
75+	26 3.00	1649.00	1649.00	0.00
	13.5 6.00	1650.00	1.00	0.00
	9.3 9.00	1651.00	1.00	0.00
	7.3 12.00	1652.00	1.00	0.00
	6 15.00	1653.00	1.00	0.00
	5.2 18.00	1654.00	1.00	0.00
	4.6 21.00	1654.00	0.00	0.00
	4.1 24.00	1655.00	1.00	0.00
	3.8 27.00	1655.00	0.00	0.00
	3.5 30.00	1656.00	1.00	0.00
	3.3 33.00	1656.00	0.00	0.00
	3.1 36.00	1657.00	1.00	0.00
	2.9 39.00	1657.00	0.00	0.00
	2.8 42.00	1658.00	1.00	0.00
	2.7 45.00	1658.00	0.00	0.00
	2.6 48.00	1659.00	1.00	0.00
	2.47 51.00	1659.00	0.00	0.00
	2.4 54.00	1659.00	0.00	0.00
	2.32 57.00	1660.00	1.00	0.00
	2.25 60.00	1660.00	0.00	0.00
	63.00	1660.00	0.00	0.00
	2.14 66.00	1660.00	0.00	0.00
	69.00	1660.00	0.00	0.00
	2.04 72.00	1660.00	0.00	0.00
	2 75.00	1660.00	0.00	0.00
	1.96 78.00	1660.00	0.00	0.00
	81.00	1660.00	0.00	0.00
	1.89 84.00	1660.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<i>75+</i>	<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
	87.00	1660.00	0.00	0.00
<i>1.03</i>	90.00	1660.00	0.00	0.00

The graph displays two data series, P1 and P2, plotted against a vertical axis labeled 1.0 and 0.1. The horizontal axis has labels from 1300 to 10000. The P1 series is represented by a line with dots, and the P2 series is represented by a line with triangles. Both series show a sharp increase in the vertical axis value as the horizontal axis value increases from 1300 to 1600, then level off.

Horizontal Axis Value	P1 (Dots)	P2 (Triangles)
1300	0.05	0.05
1400	0.10	0.10
1500	0.15	0.15
1600	0.20	0.20
1700	0.25	0.25
1800	0.30	0.30
1900	0.35	0.35
2000	0.40	0.40
2100	0.45	0.45
2200	0.50	0.50
2300	0.55	0.55
2400	0.60	0.60
2500	0.65	0.65
2600	0.70	0.70
2700	0.75	0.75
2800	0.80	0.80
2900	0.85	0.85
3000	0.90	0.90
3100	0.95	0.95
3200	1.00	1.00
3300	1.05	1.05
3400	1.10	1.10
3500	1.15	1.15
3600	1.20	1.20
3700	1.25	1.25
3800	1.30	1.30
3900	1.35	1.35
4000	1.40	1.40
4100	1.45	1.45
4200	1.50	1.50
4300	1.55	1.55
4400	1.60	1.60
4500	1.65	1.65
4600	1.70	1.70
4700	1.75	1.75
4800	1.80	1.80
4900	1.85	1.85
5000	1.90	1.90
5100	1.95	1.95
5200	2.00	2.00
5300	2.05	2.05
5400	2.10	2.10
5500	2.15	2.15
5600	2.20	2.20
5700	2.25	2.25
5800	2.30	2.30
5900	2.35	2.35
6000	2.40	2.40
6100	2.45	2.45
6200	2.50	2.50
6300	2.55	2.55
6400	2.60	2.60
6500	2.65	2.65
6600	2.70	2.70
6700	2.75	2.75
6800	2.80	2.80
6900	2.85	2.85
7000	2.90	2.90
7100	2.95	2.95
7200	3.00	3.00
7300	3.05	3.05
7400	3.10	3.10
7500	3.15	3.15
7600	3.20	3.20
7700	3.25	3.25
7800	3.30	3.30
7900	3.35	3.35
8000	3.40	3.40
8100	3.45	3.45
8200	3.50	3.50
8300	3.55	3.55
8400	3.60	3.60
8500	3.65	3.65
8600	3.70	3.70
8700	3.75	3.75
8800	3.80	3.80
8900	3.85	3.85
9000	3.90	3.90
9100	3.95	3.95
9200	4.00	4.00
9300	4.05	4.05
9400	4.10	4.10
9500	4.15	4.15
9600	4.20	4.20
9700	4.25	4.25
9800	4.30	4.30
9900	4.35	4.35
10000	4.40	4.40

100 Huerfano #1-12 Westwind
7-20-2-20-1