DST REPORT

GENERAL INFORMATION

DATE	: 8/7/94	TICKET	: 20532
CUSTOMER	: PRINCESS THREE CORP	LEASE	: HALL
WELL	: #1 TEST: 1	GEOLOGIST	: CHRISTENSEN
ELEVATION:		FORMATION	: MISSISSIPPI
SECTION	: 1	TOWNSHIP	: 24S
RANGE	: 22W COUNTY: HODGEMAN	STATE	: KS
GAUGE SN#:	10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4570.00 ft TO: 4610.00 ft TVD: 4610.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4602.0 ft 4605.0 ft
TEMPERATURE: 123.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	380.0 ft	I.D.:	2.700 in
DRILL PIPE LENGTH :	4163.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	40.0 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:	4565.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4570.0 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.	: EMPHASIS DRLG RIG 5		
MUD TYPE	: CHEMICAL	VISCOSITY :	47.00 cp
WEIGHT	: 9.100 ppg	WATER LOSS:	10.000 cc
CHLORIDES	: 6100 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	422
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT - 1/2 TO
1 INCH BLOW. FINAL FLOW PERIOD VERY WEAK BLOW -
DIED IN 18 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

WATER PROB. FILTRATE WATER

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	100.0	0.0	0.0	0.0	CLEAN OIL GRAVITY 42
20.0	6.0	8.0	2.0	84.0	OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0439 STB		
GAS VOLUME:	0.0636 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.1190 STB	AVERAGE OIL RATE:	3.1950 STB/D
WATER VOLUME:	0.0028 STB	AVERAGE WATER RATE:	0.7818 STB/D
TOTAL FLUID :	0.1657 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2316.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	52.00
INITIAL SHUT-IN	60.00		156.00
FINAL FLOW	30.00	62.00	62.00
FINAL SHUT-IN	60.00		93.00

FINAL HYDROSTATIC PRESSURE: 2275.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2337.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	62.00
INITIAL SHUT-IN	60.00		166.00
FINAL FLOW	30.00	66.00	66.00
FINAL SHUT-IN	60.00		66.00

FINAL HYDROSTATIC PRESSURE: 2295.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/7/94	TICKET	: 20532
CUSTOMER	: PRINCESS THREE CORP	LEASE	: HALL
WELL	: #1 TEST: 1	GEOLOGIST	: CHRISTENSEN
ELEVATION:		FORMATION	: MISSISSIPPI
SECTION	: 1	TOWNSHIP	: 24S
RANGE	: 22W COUNTY: HODGEMAN	STATE	: KS
GAUGE SN#:	10270 RANGE : 4150	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	62.00	0.00
10.00	62.00	0.00
15.00	62.00	0.00
20.00	62.00	0.00
25.00	62.00	0.00
30.00	62.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	77.00	77.00	11.00
6.00	83.00	6.00	6.00
9.00	88.00	5.00	4.33
12.00	93.00	5.00	3.50
15.00	98.00	5.00	3.00
18.00	103.00	5.00	2.67
21.00	108.00	5.00	2.43
24.00	113.00	5.00	2.25
27.00	118.00	5.00	2.11
30.00	123.00	5.00	2.00
33.00	128.00	5.00	1.91
36.00	133.00	5.00	1.83
39.00	138.00	5.00	1.77
42.00	143.00	5.00	1.71
45.00	148.00	5.00	1.67
48.00	153.00	5.00	1.63
51.00	157.00	4.00	1.59
54.00	160.00	3.00	1.56
57.00	163.00	3.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	166.00	3.00	1.50

FINAL FLOW

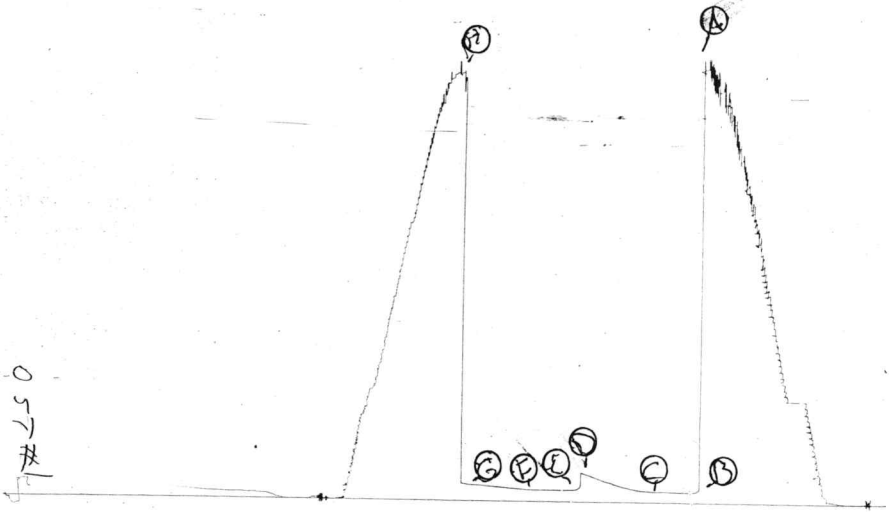
Time (min)	Pressure	Delta P
0.00	66.00	66.00
5.00	66.00	0.00
10.00	66.00	0.00
15.00	66.00	0.00
20.00	66.00	0.00
25.00	66.00	0.00
30.00	66.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	66.00	66.00	11.00
6.00	66.00	0.00	6.00
9.00	66.00	0.00	4.33
12.00	66.00	0.00	3.50
15.00	66.00	0.00	3.00
18.00	66.00	0.00	2.67
21.00	66.00	0.00	2.43
24.00	66.00	0.00	2.25
27.00	66.00	0.00	2.11
30.00	66.00	0.00	2.00
33.00	66.00	0.00	1.91
36.00	66.00	0.00	1.83
39.00	66.00	0.00	1.77
42.00	66.00	0.00	1.71
45.00	66.00	0.00	1.67
48.00	66.00	0.00	1.63
51.00	66.00	0.00	1.59
54.00	66.00	0.00	1.56
57.00	66.00	0.00	1.53
60.00	66.00	0.00	1.50

TK+20532

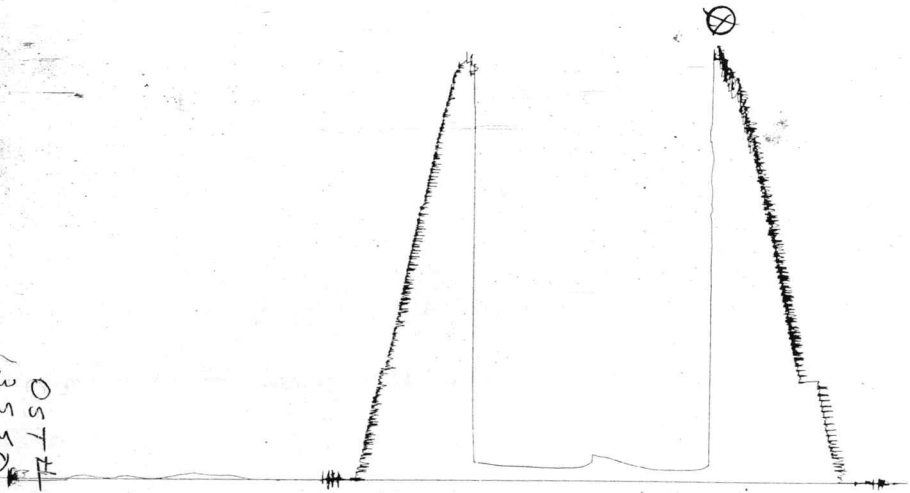
I



0.57 AU
10270

TH 20532

O



OST#1
13550

DST REPORT

GENERAL INFORMATION

DATE	: 8/7/94	TICKET	: 20533
CUSTOMER	: PRINCESS THREE CORP	LEASE	: HALL
WELL	: #1 TEST: 2	GEOLOGIST	: CHRISTENSEN
ELEVATION:		FORMATION	: MISSISSIPPI
SECTION	: 1	TOWNSHIP	: 24S
RANGE	: 22W COUNTY: HODGEMAN	STATE	: KS
GAUGE SN#:	10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4610.00 ft TO: 4625.00 ft TVD: 4625.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4613.0 ft 4616.0 ft
TEMPERATURE: 125.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	380.0 ft	I.D.:	2.700 in
DRILL PIPE LENGTH :	4203.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 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:	4605.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4610.0 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.	: EMPHASIS DRLG RIG 5		
MUD TYPE	: CHEMICAL	VISCOSITY :	48.00 cp
WEIGHT	: 9.000 ppg	WATER LOSS:	8.800 cc
CHLORIDES	: 8000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	422
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW BUILDING TO A FAIR BLOW - 1/2 TO 4 1/2 INCH BLOW. FINAL FLOW PERIOD FAIR BLOW THROUGHOUT - 3 1/2 TO 5 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	75.0	25.0	MUDDY WATER W/SHOW OF OIL
300.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 26000 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.0531 STB
WATER VOLUME: 2.2837 STB
TOTAL FLUID : 2.3368 STB

TOTAL FLOW TIME: 80.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 42.0622 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2316.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	41.00	52.00
INITIAL SHUT-IN	60.00		1381.00
FINAL FLOW	60.00	83.00	156.00
FINAL SHUT-IN	60.00		1329.00

FINAL HYDROSTATIC PRESSURE: 2275.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2400.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	50.00
INITIAL SHUT-IN	57.00		1410.00
FINAL FLOW	50.00	108.00	177.00
FINAL SHUT-IN	51.00		1350.00

FINAL HYDROSTATIC PRESSURE: 2254.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/7/94			TICKET	: 20533
CUSTOMER	: PRINCESS THREE CORP			LEASE	: HALL
WELL	: #1	TEST: 2		GEOLOGIST	: CHRISTENSEN
ELEVATION	:			FORMATION	: MISSISSIPPI
SECTION	: 1			TOWNSHIP	: 24S
RANGE	: 22W	COUNTY:	HODGEMAN	STATE	: KS
GAUGE SN#	: 10270	RANGE :	4150	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	50.00	50.00
5.00	50.00	0.00
10.00	50.00	0.00
15.00	50.00	0.00
20.00	50.00	0.00
25.00	50.00	0.00
30.00	50.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	821.00	821.00	0.00
6.00	1018.00	197.00	0.00
9.00	1112.00	94.00	0.00
12.00	1174.00	62.00	0.00
15.00	1215.00	41.00	0.00
18.00	1245.00	30.00	0.00
21.00	1278.00	33.00	0.00
24.00	1294.00	16.00	0.00
27.00	1313.00	19.00	0.00
30.00	1330.00	17.00	0.00
33.00	1342.00	12.00	0.00
36.00	1350.00	8.00	0.00
39.00	1365.00	15.00	0.00
42.00	1371.00	6.00	0.00
45.00	1381.00	10.00	0.00
48.00	1385.00	4.00	0.00
51.00	1396.00	11.00	0.00
54.00	1402.00	6.00	0.00
57.00	1410.00	8.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

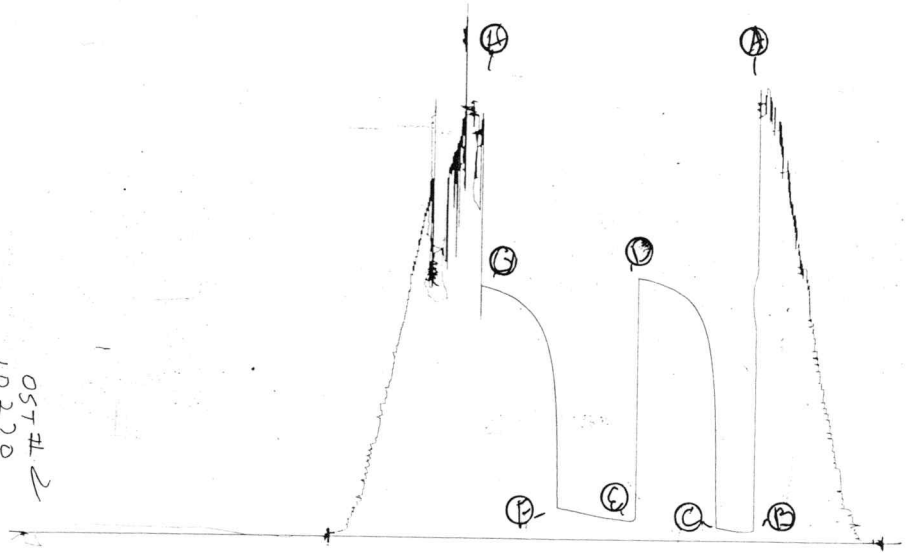
Time (min)	Pressure	Delta P
0.00	108.00	108.00
5.00	108.00	0.00
10.00	114.00	6.00
15.00	125.00	11.00
20.00	129.00	4.00
25.00	135.00	6.00
30.00	146.00	11.00
35.00	156.00	10.00
40.00	166.00	10.00
45.00	171.00	5.00
50.00	177.00	6.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	831.00	831.00	0.00
6.00	966.00	135.00	0.00
9.00	1060.00	94.00	0.00
12.00	1112.00	52.00	0.00
15.00	1153.00	41.00	0.00
18.00	1184.00	31.00	0.00
21.00	1213.00	29.00	0.00
24.00	1236.00	23.00	0.00
27.00	1257.00	21.00	0.00
30.00	1278.00	21.00	0.00
33.00	1298.00	20.00	0.00
36.00	1309.00	11.00	0.00
39.00	1313.00	4.00	0.00
42.00	1320.00	7.00	0.00
45.00	1330.00	10.00	0.00
48.00	1340.00	10.00	0.00
51.00	1350.00	10.00	0.00

YK+ 20533

I



OST #2
10200

IK+20533

