

DST REPORT

GENERAL INFORMATION

DATE : 1/13/95	TICKET : 20695
CUSTOMER : PICKRELL DRILLING CO INC	LEASE : JOHNSON JJ
WELL : #1 TEST: 1	GEOLOGIST: KLAVER
ELEVATION: 2710 KB	FORMATION: LKC "I"
SECTION : 8	TOWNSHIP : 17S
RANGE : 27W COUNTY: LANE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4182.00 ft	TO: 4210.00 ft	TVD: 4210.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL	
DEPTH OF RECORDERS: 4185.0 ft	4207.0 ft	
TEMPERATURE: 114.0		
DRILL COLLAR LENGTH: 180.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3982.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 28.0 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: 4177.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4182.0 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. : PICKRELL #1	VISCOSITY : 52.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 11.000 cc
WEIGHT : 9.100 ppg	SERIAL NUMBER:
CHLORIDES : 4000 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

WEAK BLOW DEAD IN 20 MINUTES ON INITIAL FLOW PERIOD. WEAK BLOW DEAD IN 5 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.5	0.0	0.0	99.5	OIL SPECKED MUD

RATE INFORMATION

OIL VOLUME:	0.0007 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	3.3850 STB/D
MUD VOLUME:	0.1403 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1410 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2080.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	20.00	20.00
INITIAL SHUT-IN	30.00		34.00
FINAL FLOW	30.00	23.00	23.00
FINAL SHUT-IN	30.00		34.00

FINAL HYDROSTATIC PRESSURE: 2050.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2105.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	30.00	30.00
INITIAL SHUT-IN	33.00		49.00
FINAL FLOW	30.00	33.00	33.00
FINAL SHUT-IN	33.00		42.00

FINAL HYDROSTATIC PRESSURE: 2050.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/13/95	TICKET : 20695
CUSTOMER : PICKRELL DRILLING CO INC	LEASE : JOHNSON JJ
WELL : #1 TEST: 1	GEOLOGIST: KLAVER
ELEVATION: 2710 KB	FORMATION: LKC "I"
SECTION : 8	TOWNSHIP : 17S
RANGE : 27W COUNTY: LANE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

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

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	30.00	30.00	11.00
6.00	30.00	0.00	6.00
9.00	32.00	2.00	4.33
12.00	34.00	2.00	3.50
15.00	37.00	3.00	3.00
18.00	40.00	3.00	2.67
21.00	42.00	2.00	2.43
24.00	43.00	1.00	2.25
27.00	45.00	2.00	2.11
30.00	47.00	2.00	2.00
33.00	49.00	2.00	1.91

FINAL FLOW

Time (min)	Pressure	Delta P
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
0.00	33.00	33.00
5.00	33.00	0.00
10.00	33.00	0.00
15.00	33.00	0.00
20.00	33.00	0.00
25.00	33.00	0.00
30.00	33.00	0.00

FINAL SHUT IN

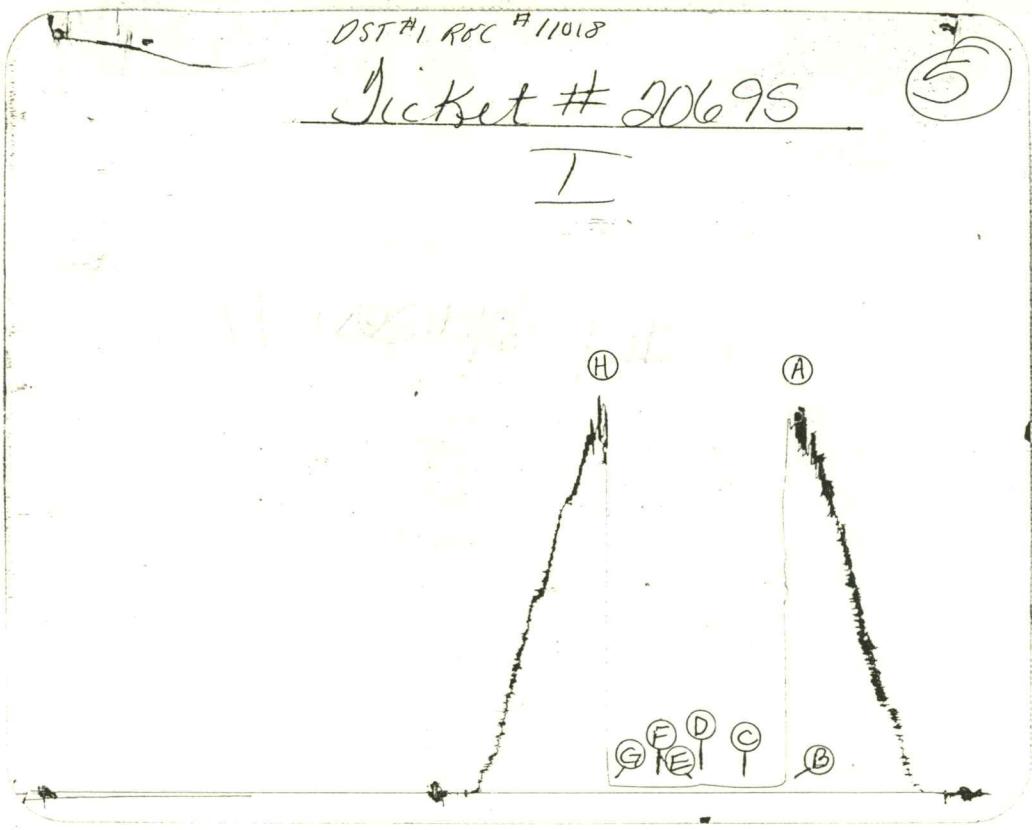
Time (min)	Pressure	Delta P	Horner T
3.00	33.00	33.00	11.00
6.00	33.00	0.00	6.00
9.00	33.00	0.00	4.33
12.00	33.00	0.00	3.50
15.00	33.00	0.00	3.00
18.00	33.00	0.00	2.67
21.00	35.00	2.00	2.43
24.00	37.00	2.00	2.25
27.00	39.00	2.00	2.11
30.00	41.00	2.00	2.00
33.00	42.00	1.00	1.91

DST #1 REC #11018

Ticket # 20695

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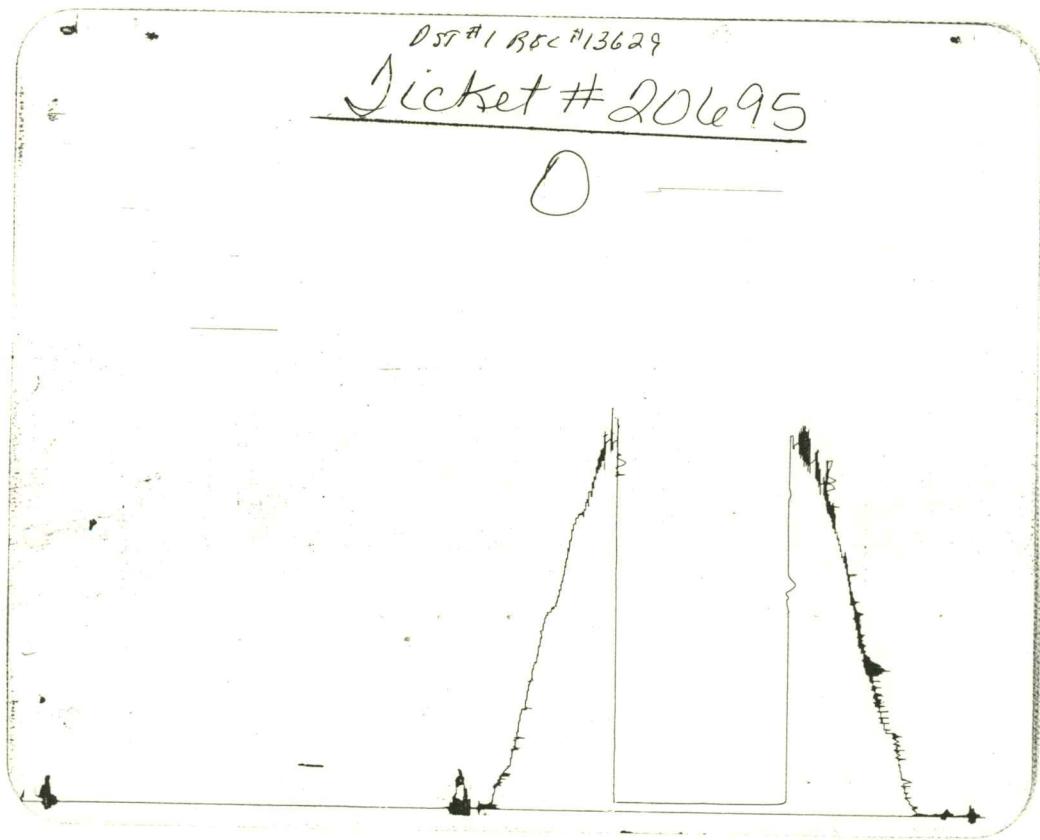


Inside Recorder

DST #1 REC #13629

Ticket # 20695

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1/14/95
CUSTOMER : PICKRELL DRILLING CO INC
WELL : #1 TEST: 2
ELEVATION: 2710 KB
SECTION : 8
RANGE : 27W COUNTY: LANE
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20696
LEASE : JOHNSON JJ
GEOLOGIST: KLAVER
FORMATION: MARMATON
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4316.00 ft TO: 4402.00 ft TVD: 4402.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4319.0 ft 4390.0 ft
TEMPERATURE: 124.0
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 : 4176.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 86.0 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: 4311.0 ft SIZE: 6.630 in
PACKER DEPTH: 4316.0 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. : PICKRELL #1
MUD TYPE : CHEMICAL VISCOSITY : 48.00 cp
WEIGHT : 9.400 ppg WATER LOSS: 11.600 cc
CHLORIDES : 2100 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW DEAD IN 25 MINUTES ON INITIAL FLOW PERIOD. NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
20.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0940	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0940	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2214.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	22.00	22.00
INITIAL SHUT-IN	30.00		56.00
FINAL FLOW	30.00	28.00	28.00
FINAL SHUT-IN	30.00		44.00

FINAL HYDROSTATIC PRESSURE: 2190.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2216.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	39.00	39.00
INITIAL SHUT-IN	30.00		68.00
FINAL FLOW	30.00	41.00	41.00
FINAL SHUT-IN	33.00		50.00

FINAL HYDROSTATIC PRESSURE: 2193.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/14/95	TICKET : 20696
CUSTOMER : PICKRELL DRILLING CO INC	LEASE : JOHNSON JJ
WELL : #1	TEST: 2
ELEVATION: 2710 KB	GEOLOGIST: KLAVER
SECTION : 8	FORMATION: MARMATON
RANGE : 27W	TOWNSHIP : 17S
COUNTY: LANE	STATE : KS
GAUGE SN#: 11018	RANGE : 4425
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	39.00	39.00
5.00	39.00	0.00
10.00	39.00	0.00
15.00	39.00	0.00
20.00	39.00	0.00
25.00	39.00	0.00
30.00	39.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	39.00	39.00	0.00
6.00	39.00	0.00	0.00
9.00	42.00	3.00	0.00
12.00	46.00	4.00	0.00
15.00	50.00	4.00	0.00
18.00	54.00	4.00	0.00
21.00	58.00	4.00	0.00
24.00	61.00	3.00	0.00
27.00	64.00	3.00	0.00
30.00	68.00	4.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	41.00	41.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	41.00	0.00
10.00	41.00	0.00
15.00	41.00	0.00
20.00	41.00	0.00
25.00	41.00	0.00
30.00	41.00	0.00

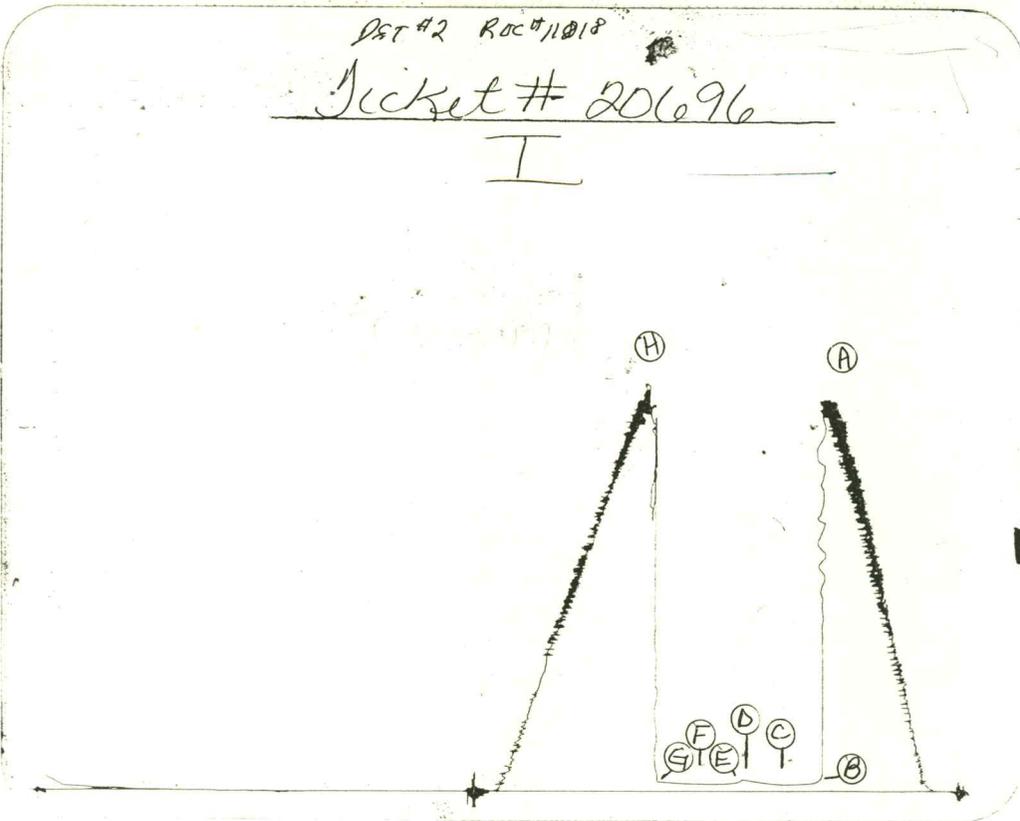
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	41.00	41.00	0.00
6.00	42.00	1.00	0.00
9.00	42.00	0.00	0.00
12.00	43.00	1.00	0.00
15.00	44.00	1.00	0.00
18.00	45.00	1.00	0.00
21.00	46.00	1.00	0.00
24.00	47.00	1.00	0.00
27.00	48.00	1.00	0.00
30.00	49.00	1.00	0.00
33.00	50.00	1.00	0.00

DST #2 Roc #11018

Ticket # 20696

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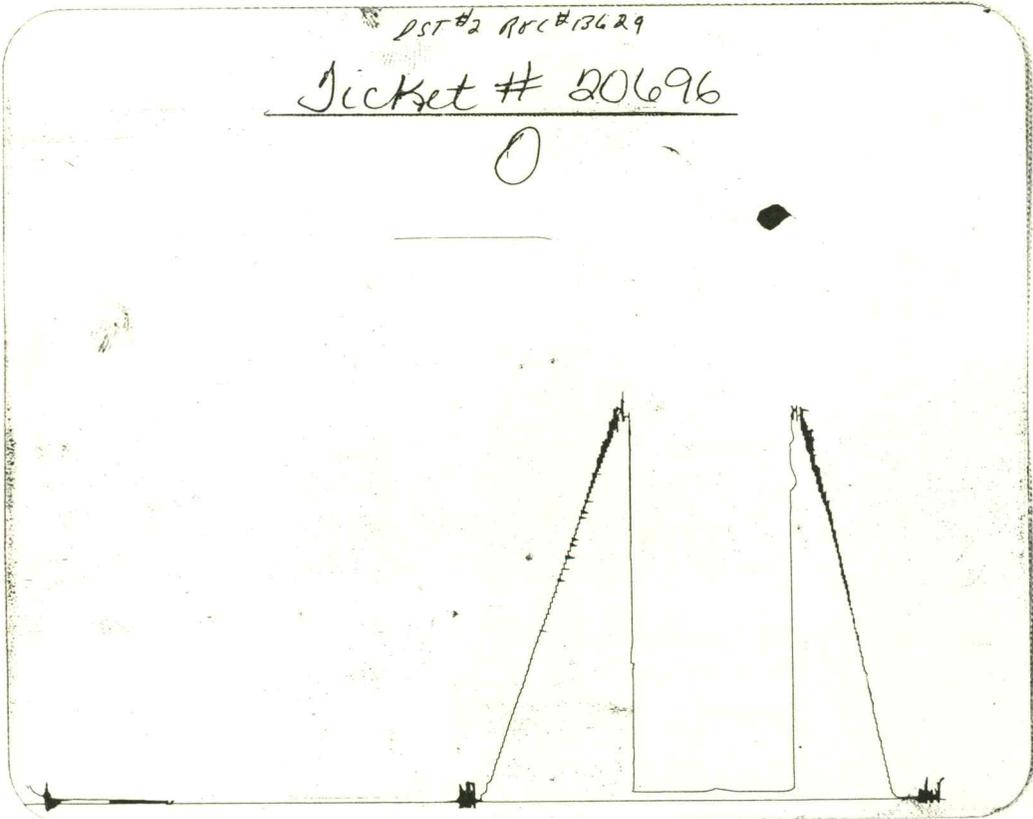


Inside Recorder

DST #2 Roc #13629

Ticket # 20696

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1/16/95
CUSTOMER : PICKRELL DRILLING CO INC
WELL : #1 TEST: 3
ELEVATION: 2710 KB
SECTION : 8
RANGE : 27W COUNTY: LANE
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20697
LEASE : JOHNSON JJ
GEOLOGIST: KLAVER
FORMATION: FT SCOTT CHEROKEE
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4440.00 ft TO: 4572.00 ft TVD: 4572.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4443.0 ft 4480.0 ft
TEMPERATURE: 124.0
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 : 4300.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 132.0 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: 4435.0 ft SIZE: 6.630 in
PACKER DEPTH: 4440.0 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. : PICKRELL #1
MUD TYPE : CHEMICAL
WEIGHT : 9.400 ppg
CHLORIDES : 2100 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 48.00 cp
WATER LOSS: 11.400 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW DIED IN 15 MINUTES ON INITIAL FLOW PERIOD. NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0705	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0705	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2210.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	20.00	20.00
INITIAL SHUT-IN	30.00		366.00
FINAL FLOW	30.00	24.00	24.00
FINAL SHUT-IN	30.00		270.00

FINAL HYDROSTATIC PRESSURE: 2184.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2266.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	24.00	24.00
INITIAL SHUT-IN	27.00		388.00
FINAL FLOW	30.00	25.00	25.00
FINAL SHUT-IN	27.00		288.00

FINAL HYDROSTATIC PRESSURE: 2211.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/16/95	TICKET : 20697
CUSTOMER : PICKRELL DRILLING CO INC	LEASE : JOHNSON JJ
WELL : #1 TEST: 3	GEOLOGIST: KLAVER
ELEVATION: 2710 KB	FORMATION: FT SCOTT CHEROKEE
SECTION : 8	TOWNSHIP : 17S
RANGE : 27W COUNTY: LANE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	24.00	24.00
5.00	24.00	0.00
10.00	24.00	0.00
15.00	24.00	0.00
20.00	24.00	0.00
25.00	24.00	0.00
30.00	24.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	45.00	45.00	0.00
6.00	98.00	53.00	0.00
9.00	148.00	50.00	0.00
12.00	205.00	57.00	0.00
15.00	259.00	54.00	0.00
18.00	303.00	44.00	0.00
21.00	344.00	41.00	0.00
24.00	379.00	35.00	0.00
27.00	388.00	9.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	25.00	25.00
5.00	25.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
10.00	25.00	0.00
15.00	25.00	0.00
20.00	25.00	0.00
25.00	25.00	0.00
30.00	25.00	0.00

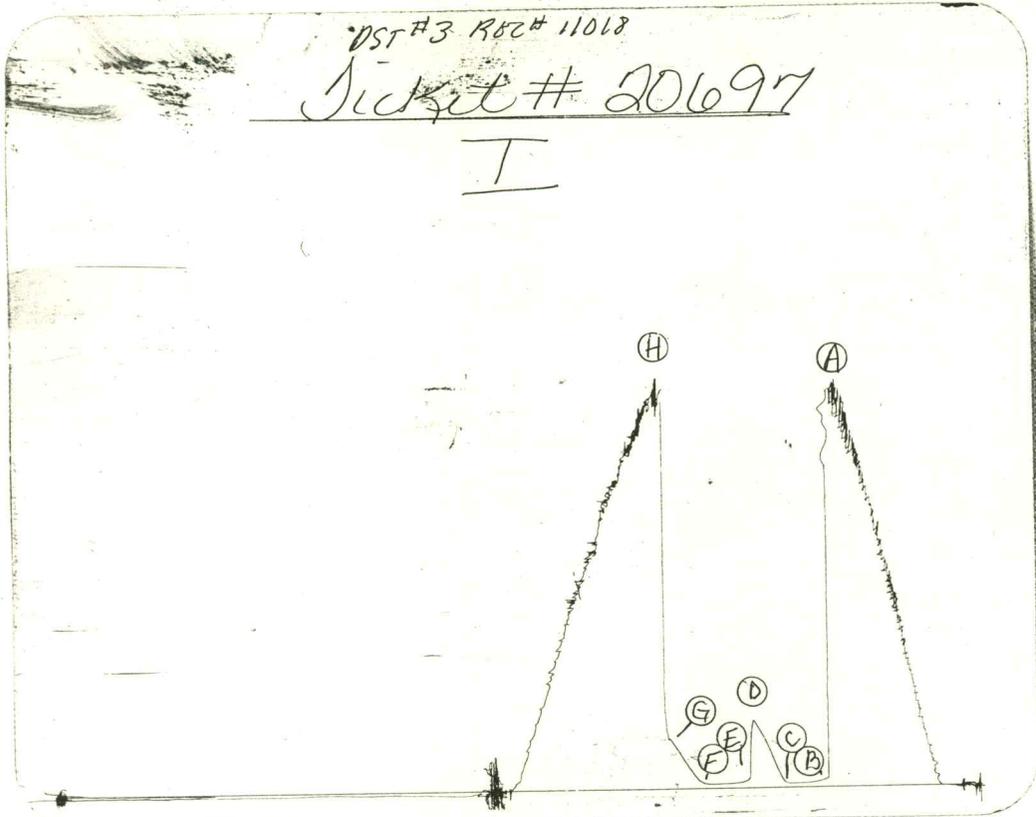
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	34.00	34.00	0.00
6.00	53.00	19.00	0.00
9.00	83.00	30.00	0.00
12.00	117.00	34.00	0.00
15.00	149.00	32.00	0.00
18.00	188.00	39.00	0.00
21.00	225.00	37.00	0.00
24.00	264.00	39.00	0.00
27.00	288.00	24.00	0.00

DST #3 REC # 11018

Ticket # 20697

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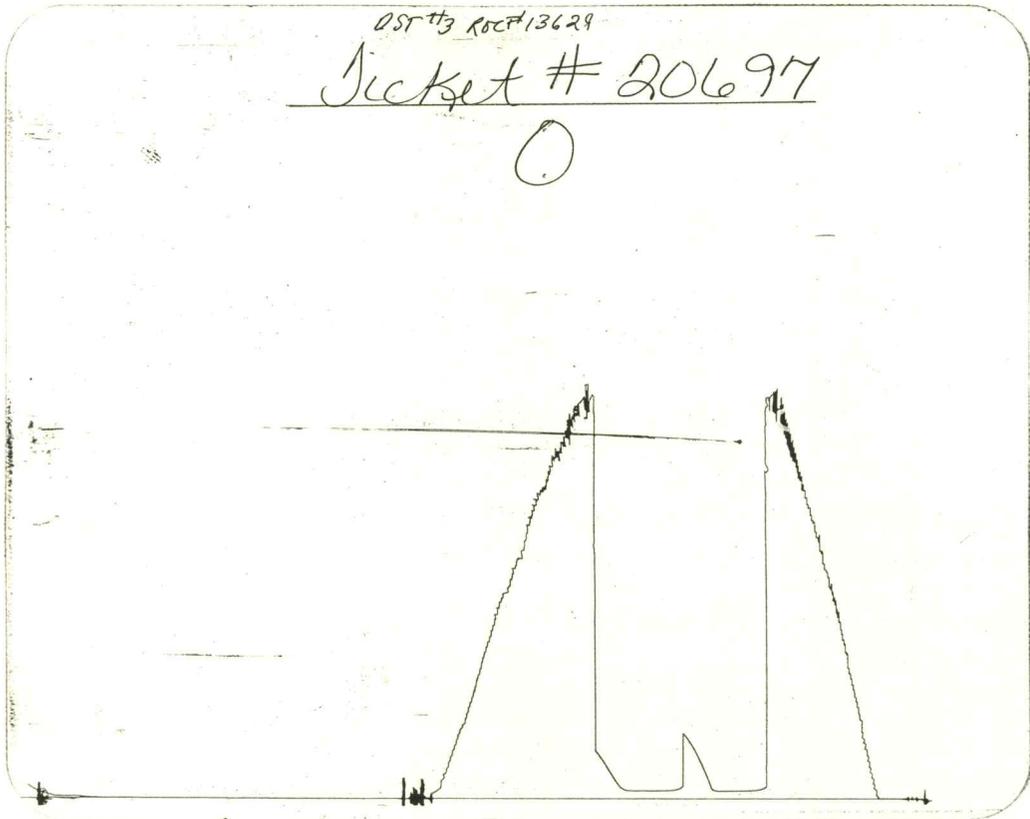


Inside Recorder

DST #3 REC # 13629

Ticket # 20697

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 1/16/95
CUSTOMER : PICKRELL DRILLING CO INC
WELL : #1 TEST: 4
ELEVATION: 2710 KB
SECTION : 8
RANGE : 27W COUNTY: LANE
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20698
LEASE : JOHNSON, JJ
GEOLOGIST: KLAVER
FORMATION: CHEROKEE SAND
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4567.00 ft TO: 4595.00 ft TVD: 4595.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4570.0 ft 4592.0 ft
TEMPERATURE: 131.0
DRILL COLLAR LENGTH: 180.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4367.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 28.0 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: 4562.0 ft SIZE: 6.630 in
PACKER DEPTH: 4567.0 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. : PICKRELL
MUD TYPE : CHEMICAL
WEIGHT : 9.500 ppg
CHLORIDES : 2000 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 50.00 cp
WATER LOSS: 10.800 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET IN 9 MINUTES. FINAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET IN 15 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	500 FT GAS ABOVE FLUID
150.0	90.0	10.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	GRAVITY 37 @ 60 DEGREES F
400.0	45.0	10.0	20.0	25.0	MUD & WATER CUT GASSY OIL
350.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 20000 PPM

RATE INFORMATION

OIL VOLUME:	4.4183 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	4.3317 SCF	AVERAGE OIL RATE:	86.2297 STB/D
MUD VOLUME:	1.4026 STB	AVERAGE WATER RATE:	76.5506 STB/D
WATER VOLUME:	4.3528 STB		
TOTAL FLUID :	10.1738 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2280.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	100.00	194.00
INITIAL SHUT-IN	60.00		1096.00
FINAL FLOW	60.00	260.00	400.00
FINAL SHUT-IN	90.00		1057.00

FINAL HYDROSTATIC PRESSURE: 2250.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2271.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	133.00	220.00
INITIAL SHUT-IN	60.00		1110.00
FINAL FLOW	60.00	308.00	420.00
FINAL SHUT-IN	90.00		1062.00

FINAL HYDROSTATIC PRESSURE: 2245.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/16/95	TICKET : 20698
CUSTOMER : PICKRELL DRILLING CO INC	LEASE : JOHNSON, JJ
WELL : #1	GEOLOGIST: KLAVER
ELEVATION: 2710 KB	FORMATION: CHEROKEE SAND
SECTION : 8	TOWNSHIP : 17S
RANGE : 27W	COUNTY: LANE
GAUGE SN#: 11018	RANGE : 4425
	STATE : KS
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	133.00	133.00
5.00	124.00	-9.00
10.00	142.00	18.00
15.00	160.00	18.00
20.00	184.00	24.00
25.00	205.00	21.00
30.00	220.00	15.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	638.00	638.00	11.00
6.00	984.00	346.00	6.00
9.00	1026.00	42.00	4.33
12.00	1046.00	20.00	3.50
15.00	1060.00	14.00	3.00
18.00	1072.00	12.00	2.67
21.00	1080.00	8.00	2.43
24.00	1083.00	3.00	2.25
27.00	1085.00	2.00	2.11
30.00	1088.00	3.00	2.00
33.00	1092.00	4.00	1.91
36.00	1094.00	2.00	1.83
39.00	1098.00	4.00	1.77
42.00	1101.00	3.00	1.71
45.00	1103.00	2.00	1.67
48.00	1104.00	1.00	1.63
51.00	1105.00	1.00	1.59
54.00	1106.00	1.00	1.56
57.00	1108.00	2.00	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>
60.00	1110.00	2.00	1.50

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	308.00	308.00
5.00	284.00	-24.00
10.00	288.00	4.00
15.00	296.00	8.00
20.00	311.00	15.00
25.00	326.00	15.00
30.00	344.00	18.00
35.00	361.00	17.00
40.00	377.00	16.00
45.00	388.00	11.00
50.00	400.00	12.00
55.00	408.00	8.00
60.00	420.00	12.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	743.00	743.00	21.00
6.00	944.00	201.00	11.00
9.00	971.00	27.00	7.67
12.00	988.00	17.00	6.00
15.00	997.00	9.00	5.00
18.00	1006.00	9.00	4.33
21.00	1011.00	5.00	3.86
24.00	1015.00	4.00	3.50
27.00	1019.00	4.00	3.22
30.00	1023.00	4.00	3.00
33.00	1025.00	2.00	2.82
36.00	1027.00	2.00	2.67
39.00	1029.00	2.00	2.54
42.00	1031.00	2.00	2.43
45.00	1034.00	3.00	2.33
48.00	1037.00	3.00	2.25

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

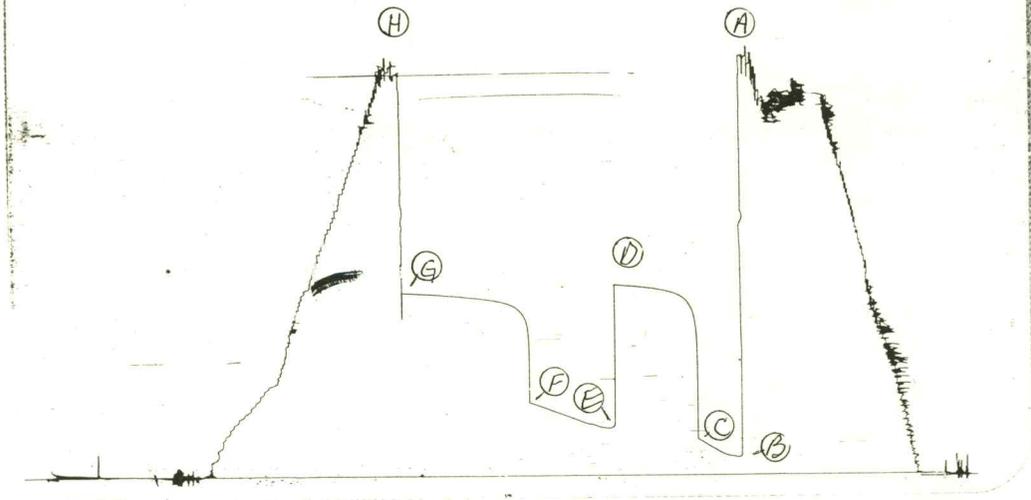
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1039.00	2.00	2.18
54.00	1041.00	2.00	2.11
57.00	1043.00	2.00	2.05
60.00	1045.00	2.00	2.00
63.00	1047.00	2.00	1.95
66.00	1049.00	2.00	1.91
69.00	1051.00	2.00	1.87
72.00	1052.00	1.00	1.83
75.00	1053.00	1.00	1.80
78.00	1055.00	2.00	1.77
81.00	1057.00	2.00	1.74
84.00	1058.00	1.00	1.71
87.00	1061.00	3.00	1.69
90.00	1062.00	1.00	1.67

DST #4 ROC #13629

(5)

Ticket # 20698

I

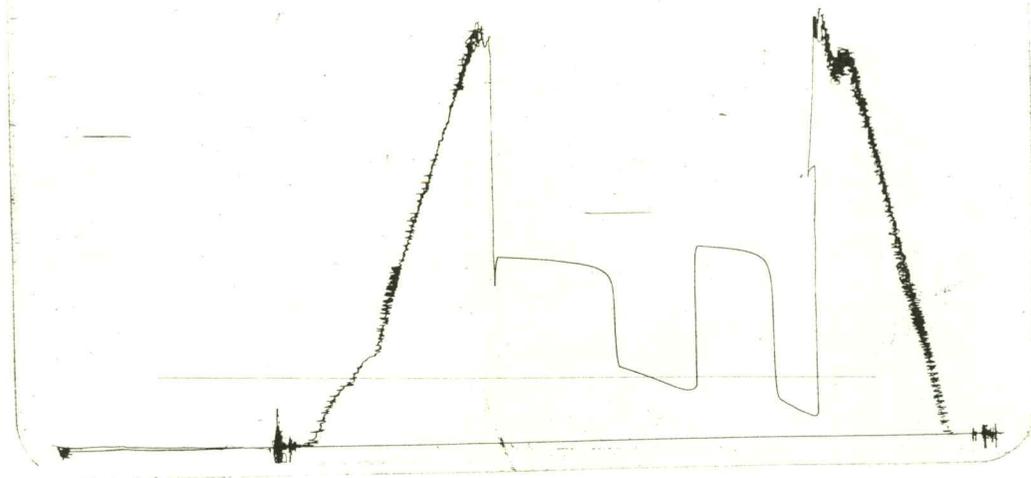


Inside Recorder

DST #4 ROC #11017

Ticket # 20698

O



Outside Recorder