

DST REPORT

GENERAL INFORMATION

DATE	: 1/29/94	TICKET	: 19974
CUSTOMER	: CHARTER PRODUCTION CO.	LEASE	: FEIERTAG
WELL	: B #1	TEST: 1	GEOLOGIST: F. FRUIT
ELEVATION	: 3278 K.B.	FORMATION	: WABUNSEE
SECTION	: 20	TOWNSHIP	: 30S
RANGE	: 40W	COUNTY: STANTON	STATE : KS
GAUGE SN#	: 3849	RANGE : 4200	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	2928.00 ft	TO:	2963.00 ft	TVD:	2963.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	2950.0 ft		2953.0 ft		
TEMPERATURE:	96.0				
DRILL COLLAR LENGTH:	525.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	2375.0 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:	2923.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	2928.0 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. :	ZENITH RIG 7	VISCOSITY :	42.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.000 cc
WEIGHT :	8.800 ppg		
CHLORIDES :	1000 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1/2 INCH TO VERY STRONG
BLOW - BOTTOM OF BUCKET IN 8 MINUTES. FINAL FLOW
PERIOD WEAK 1/2 INCH TO STRONG BLOW - BOTTOM OF

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BUCKET IN 33 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
75.0	0.0	0.0	22.0	78.0	WATER CUT MUD
120.0	0.0	0.0	100.0	0.0	SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 58000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.2877	STB		
WATER VOLUME:	0.6712	STB		
TOTAL FLUID :	0.9589	STB		
			TOTAL FLOW TIME:	75.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	18.4110 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1405.00

Description	Duration	p1	p End
INITIAL FLOW	15.00		
INITIAL SHUT-IN	45.00	29.00	42.00
FINAL FLOW	60.00		
FINAL SHUT-IN	60.00	57.00	104.00
			444.00
FINAL HYDROSTATIC PRESSURE:	1378.00		

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1389.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	36.00	46.00
INITIAL SHUT-IN	45.00		485.00
FINAL FLOW	60.00	77.00	109.00
FINAL SHUT-IN	60.00		446.00

FINAL HYDROSTATIC PRESSURE: 1374.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 1/29/94	TICKET	: 19974
CUSTOMER	: CHARTER PRODUCTION CO.	LEASE	: FEIERTAG
WELL	: B #1	GEOLOGIST	: F. PRUIT
ELEVATION	: 3278 K.B.	FORMATION	: WABUNSEE
SECTION	: 20	TOWNSHIP	: 30S
RANGE	: 40W	STATE	: KS
Gauge SN#	: 3849	CLOCK	: 12
	COUNTY: STANTON		
	RANGE : 4200		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	36.00	36.00
5.00	38.00	2.00
10.00	40.00	2.00
15.00	46.00	6.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	162.00	162.00	0.00
6.00	313.00	151.00	0.00
9.00	379.00	66.00	0.00
12.00	415.00	36.00	0.00
15.00	436.00	21.00	0.00
18.00	449.00	13.00	0.00
21.00	457.00	8.00	0.00
24.00	462.00	5.00	0.00
27.00	468.00	6.00	0.00
30.00	472.00	4.00	0.00
33.00	476.00	4.00	0.00
36.00	481.00	5.00	0.00
39.00	483.00	2.00	0.00
42.00	484.00	1.00	0.00
45.00	485.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

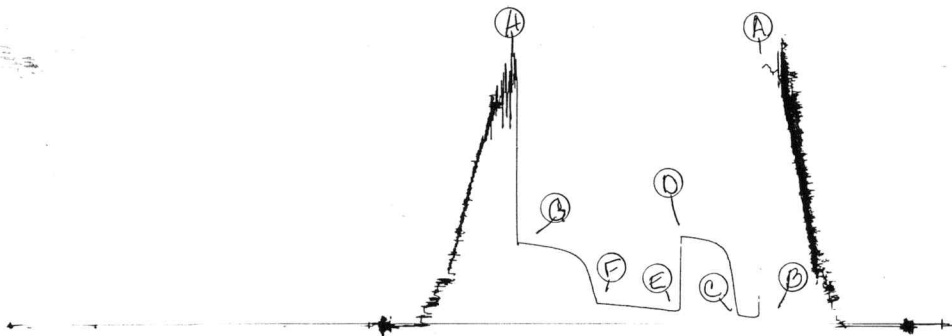
Time (min)	Pressure	Delta P
0.00	77.00	77.00
5.00	70.00	-7.00
10.00	77.00	7.00
15.00	82.00	5.00
20.00	87.00	5.00
25.00	90.00	3.00
30.00	93.00	3.00
35.00	96.00	3.00
40.00	99.00	3.00
45.00	102.00	3.00
50.00	105.00	3.00
55.00	107.00	2.00
60.00	109.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	189.00	189.00	0.00
6.00	268.00	79.00	0.00
9.00	325.00	57.00	0.00
12.00	357.00	32.00	0.00
15.00	375.00	18.00	0.00
18.00	387.00	12.00	0.00
21.00	396.00	9.00	0.00
24.00	404.00	8.00	0.00
27.00	413.00	9.00	0.00
30.00	419.00	6.00	0.00
33.00	423.00	4.00	0.00
36.00	428.00	5.00	0.00
39.00	431.00	3.00	0.00
42.00	434.00	3.00	0.00
45.00	437.00	3.00	0.00
48.00	440.00	3.00	0.00
51.00	442.00	2.00	0.00
54.00	444.00	2.00	0.00
57.00	445.00	1.00	0.00
60.00	446.00	1.00	0.00

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DST REPORT

GENERAL INFORMATION

DATE : 1-30-94
CUSTOMER : CHARTER PRODUCTION CO.
WELL : B #1 TEST: 2
ELEVATION: 3278 K.B.
SECTION : 20
RANGE : 40W COUNTY: STANTON
GAUGE SN#: 3849 RANGE : 4200

TICKET : 19975
LEASE : FEIERTAG
GEOLOGIST: F. PRUIT
FORMATION: WABUNSEE
TOWNSHIP : 30S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3090.00 ft TO: 3105.00 ft TVD: 3121.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3093.0 ft 3096.0 ft
TEMPERATURE: 98.0

DRILL COLLAR LENGTH: 525.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 2537.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 28.0 ft I.D.: 5.500 in
ANCHOR LENGTH : 15.0 ft I.D.: 5.000 in
SURFACE CHOKE SIZE : 0.750
MAIN HOLE SIZE : 7.875
PACKER DEPTH: 3085.0
PACKER DEPTH: 3090.0
PACKER DEPTH: 0.0
PACKER DEPTH: 0.0

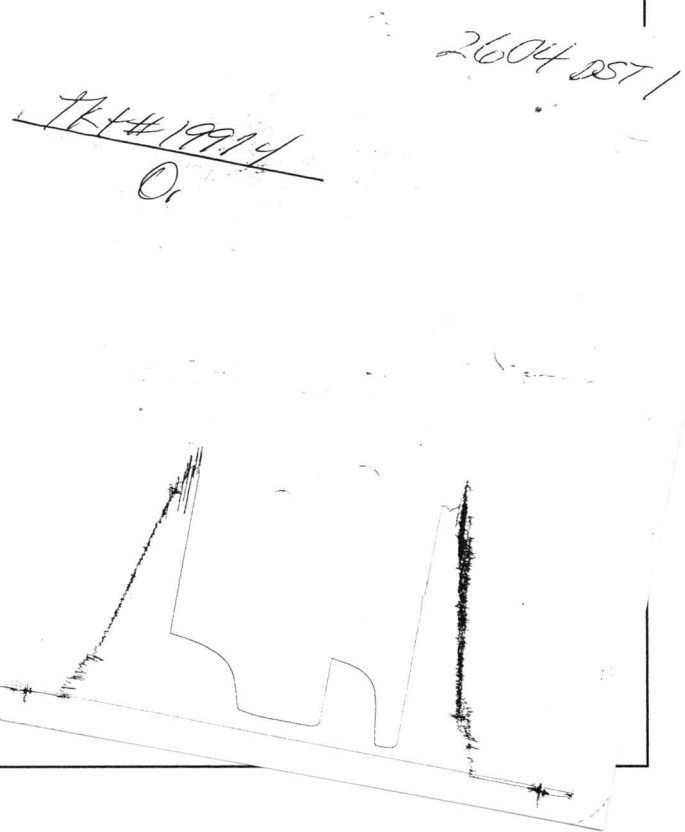
MUD INFORMATION

DRILLING CON. : ZENITH RI/
MUD TYPE : CHEMICAL
WEIGHT : 8.900 pf
CHLORIDES : 1000 pf
JARS-MAKE : WTC
DID WELL FLOW?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD
BUCKET - DECREASED TO A SURFACE
FINAL FLOW PERIOD NO BLOW.



DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TAILPIPE - 16 FT OF 5.5 INCH.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF	TOTAL FLOW TIME:	30.0000 min.
MUD VOLUME:	0.0049	STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000	STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.0049	STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1464.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	23.00	23.00
INITIAL SHUT-IN	30.00		23.00
FINAL FLOW	15.00	23.00	23.00
FINAL SHUT-IN	30.00		23.00

FINAL HYDROSTATIC PRESSURE: 1407.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1462.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	32.00	26.00
INITIAL SHUT-IN	27.00		28.00
FINAL FLOW	15.00	26.00	26.00
FINAL SHUT-IN	30.00		28.00

FINAL HYDROSTATIC PRESSURE: 1406.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1-30-94	TICKET : 19975
CUSTOMER : CHARTER PRODUCTION CO.	LEASE : FEIERTAG
WELL : B #1	GEOLOGIST: F. PRUIT
ELEVATION: 3278 K.B.	FORMATION: WABUNSEE
SECTION : 20	TOWNSHIP : 30S
RANGE : 40W	STATE : KS
GAUGE SN#: 3849	CLOCK : 12
COUNTY: STANTON	
RANGE : 4200	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	32.00	32.00
5.00	30.00	-2.00
10.00	28.00	-2.00
15.00	26.00	-2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	26.00	26.00	0.00
6.00	26.00	0.00	0.00
9.00	26.00	0.00	0.00
12.00	27.00	1.00	0.00
15.00	27.00	0.00	0.00
18.00	28.00	1.00	0.00
21.00	28.00	0.00	0.00
24.00	28.00	0.00	0.00
27.00	28.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	26.00	26.00
5.00	26.00	0.00
10.00	26.00	0.00
15.00	26.00	0.00

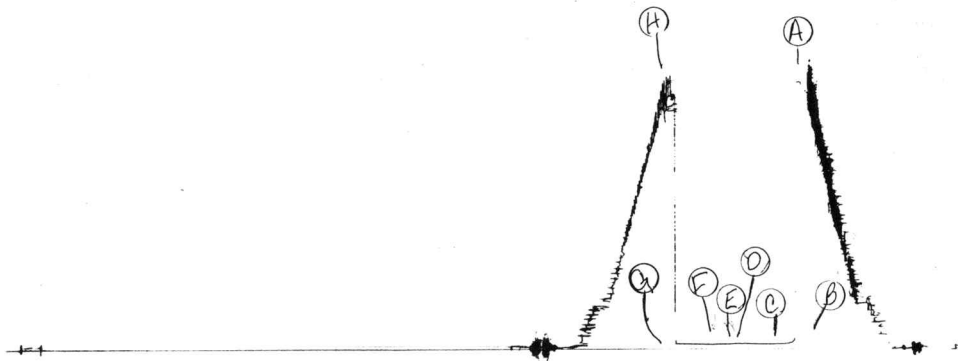
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	26.00	26.00	0.00
6.00	26.00	0.00	0.00
9.00	26.00	0.00	0.00
12.00	27.00	1.00	0.00
15.00	27.00	0.00	0.00
18.00	27.00	0.00	0.00
21.00	28.00	1.00	0.00
24.00	28.00	0.00	0.00
27.00	28.00	0.00	0.00
30.00	28.00	0.00	0.00

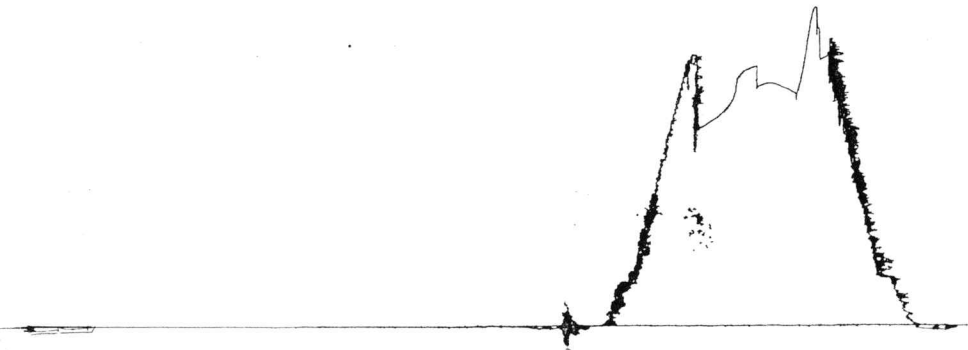
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2605 DT 2

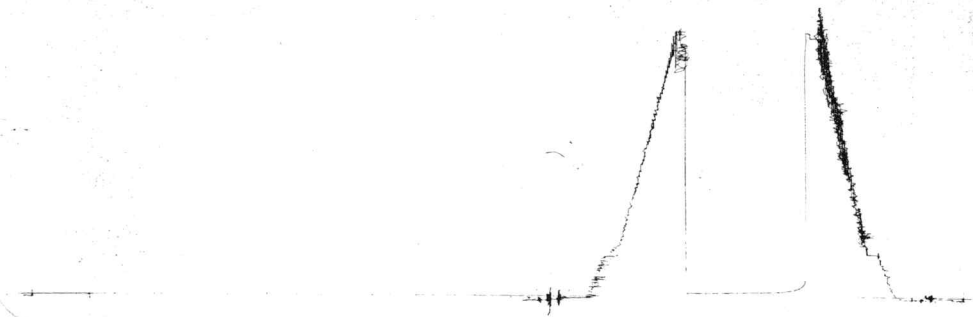
TK# 19975
Below Straddle Test



2604 DST 2

TR4# 19975

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DST REPORT

GENERAL INFORMATION

DATE	: 2/4/94	TICKET	: 20001
CUSTOMER	: CHARTER PRODUCTION CO.	LEASE	: FEIERTAG
WELL	: B #1	TEST:	3
ELEVATION:	3278 K.B.	GEOLOGIST:	F. PRUIT
SECTION	: 20	FORMATION:	MORROW
RANGE	: 40W	TOWNSHIP	: 30S
GAUGE SN#:	3849	STATE	: KS
		CLOCK	: 12
	COUNTY: STANTON		
	RANGE : 4200		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4996.00 ft	TO:	5276.00 ft	TVD:	5276.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5013.0 ft		5016.0 ft		
TEMPERATURE:	129.0				
DRILL COLLAR LENGTH:	525.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4443.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	280.0 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:	4991.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4996.0 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. :	ZENITH RIG 7	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.800 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	1000 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1 INCH BLOW - BUILT TO
3 1/2 INCHES IN BUCKET IN 15 MINUTES. FINAL FLOW
PERIOD WEAK 1 INCH BLOW BUILT TO 5 1/2 INCHES IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BUCKET IN 60 MINUES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	220 FT GAS ABOVE FLUID
80.0	0.0	2.0	0.0	98.0	VERY SLIGHTLY GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0442	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.3855	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.3855	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2406.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	44.00	51.00
INITIAL SHUT-IN	45.00		114.00
FINAL FLOW	60.00	55.00	59.00
FINAL SHUT-IN	90.00		114.00

FINAL HYDROSTATIC PRESSURE: 2379.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2400.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	50.00	51.00
INITIAL SHUT-IN	45.00		122.00
FINAL FLOW	60.00	64.00	64.00
FINAL SHUT-IN	90.00		118.00

FINAL HYDROSTATIC PRESSURE: 2377.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/4/94	TICKET : 20001
CUSTOMER : CHARTER PRODUCTION CO.	LEASE : FEIERTAG
WELL : B #1 TEST: 3	GEOLOGIST: F. PRUIT
ELEVATION: 3278 K.B.	FORMATION: MORROW
SECTION : 20	TOWNSHIP : 30S
RANGE : 40W COUNTY: STANTON	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	50.00	50.00
5.00	50.00	0.00
10.00	51.00	1.00
15.00	51.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	57.00	57.00	0.00
6.00	64.00	7.00	0.00
9.00	70.00	6.00	0.00
12.00	75.00	5.00	0.00
15.00	81.00	6.00	0.00
18.00	85.00	4.00	0.00
21.00	90.00	5.00	0.00
24.00	96.00	6.00	0.00
27.00	101.00	5.00	0.00
30.00	106.00	5.00	0.00
33.00	111.00	5.00	0.00
36.00	116.00	5.00	0.00
39.00	118.00	2.00	0.00
42.00	120.00	2.00	0.00
45.00	122.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	64.00	0.00
10.00	64.00	0.00
15.00	64.00	0.00
20.00	64.00	0.00
25.00	64.00	0.00
30.00	64.00	0.00
35.00	64.00	0.00
40.00	64.00	0.00
45.00	64.00	0.00
50.00	64.00	0.00
55.00	64.00	0.00
60.00	64.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	66.00	66.00	0.00
6.00	68.00	2.00	0.00
9.00	70.00	2.00	0.00
12.00	72.00	2.00	0.00
15.00	74.00	2.00	0.00
18.00	76.00	2.00	0.00
21.00	78.00	2.00	0.00
24.00	80.00	2.00	0.00
27.00	82.00	2.00	0.00
30.00	84.00	2.00	0.00
33.00	86.00	2.00	0.00
36.00	88.00	2.00	0.00
39.00	90.00	2.00	0.00
42.00	92.00	2.00	0.00
45.00	94.00	2.00	0.00
48.00	96.00	2.00	0.00
51.00	98.00	2.00	0.00
54.00	100.00	2.00	0.00
57.00	102.00	2.00	0.00
60.00	103.00	1.00	0.00
63.00	104.00	1.00	0.00
66.00	105.00	1.00	0.00
69.00	106.00	1.00	0.00
72.00	107.00	1.00	0.00
75.00	108.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

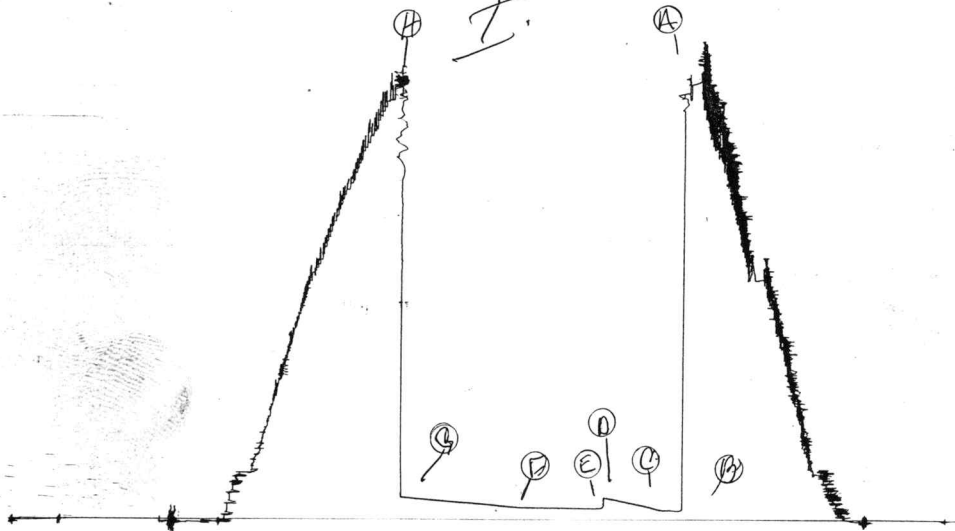
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	110.00	2.00	0.00
81.00	112.00	2.00	0.00
84.00	114.00	2.00	0.00
87.00	116.00	2.00	0.00
90.00	118.00	2.00	0.00

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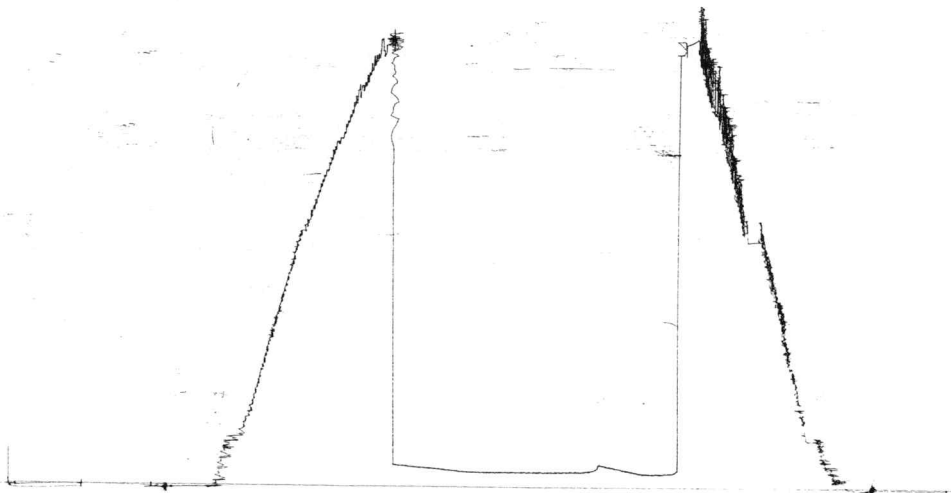
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2604 DST 3

TK# 20001
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DST REPORT

GENERAL INFORMATION

DATE	: 2/6/94	TICKET	: 20002
CUSTOMER	: CHARTER PRODUCTION CO.	LEASE	: FEIERTAG
WELL	: B #1	GEOLOGIST	: F. FRUIT
ELEVATION	: 3278 K.B.	FORMATION	: ST LOUIS B
SECTION	: 20	TOWNSHIP	: 30S
RANGE	: 40W	STATE	: KS
Gauge SN#	: 3849	CLOCK	: 12
COUNTY	: STANTON		
RANGE	: 4200		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5476.00 ft	TO:	5490.00 ft	TVD:	5511.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5481.0 ft		5484.0 ft		
TEMPERATURE:	131.0				
DRILL COLLAR LENGTH:	525.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH:	4923.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH:	28.0 ft	TOOL SIZE:		5.500 in	
ANCHOR LENGTH:	14.0 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:	5471.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5476.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5490.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON.:	ZENITH RIG 7	VISCOSITY:	56.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	9.600 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 WEAK 1/2 INCH IN BUCKET
THROUGHOUT. FINAL FLOW PERIOD NO BLOW.
TAILPIPE 21 FT OF 5.5 INCH TOTAL 21 FT.

DST REPORT (CONTINUED)

FLUID RECOVERY

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

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	45.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0738	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0738	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2663.00

Description	Duration	p1	p End
INITIAL FLOW	15.00		
INITIAL SHUT-IN	45.00	21.00	21.00
FINAL FLOW	30.00		1115.00
FINAL SHUT-IN	60.00	27.00	27.00
			686.00

FINAL HYDROSTATIC PRESSURE: 2588.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2680.00

Description	Duration	p1	p End
INITIAL FLOW	15.00		
INITIAL SHUT-IN	45.00	27.00	27.00
FINAL FLOW	30.00		1120.00
FINAL SHUT-IN	63.00	31.00	34.00
			702.00

FINAL HYDROSTATIC PRESSURE: 2621.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 2/6/94	TICKET	: 20002
CUSTOMER	: CHARTER PRODUCTION CO.	LEASE	: FEIERTAG
WELL	: B #1	GEOLOGIST	: F. FRUIT
ELEVATION	: 3278 K.B.	FORMATION	: ST LOUIS B
SECTION	: 20	TOWNSHIP	: 30S
RANGE	: 40W	STATE	: KS
GAUGE SN#	: 3849	CLOCK	: 12
	COUNTY: STANTON		
	RANGE : 4200		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	27.00	27.00
5.00	27.00	0.00
10.00	27.00	0.00
15.00	27.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	29.00	29.00	0.00
6.00	39.00	10.00	0.00
9.00	65.00	26.00	0.00
12.00	128.00	63.00	0.00
15.00	284.00	156.00	0.00
18.00	450.00	166.00	0.00
21.00	614.00	164.00	0.00
24.00	709.00	95.00	0.00
27.00	814.00	105.00	0.00
30.00	893.00	79.00	0.00
33.00	952.00	59.00	0.00
36.00	1000.00	48.00	0.00
39.00	1054.00	54.00	0.00
42.00	1094.00	40.00	0.00
45.00	1120.00	26.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	31.00	31.00
5.00	31.00	0.00
10.00	31.00	0.00
15.00	31.00	0.00
20.00	31.00	0.00
25.00	34.00	3.00
30.00	34.00	0.00

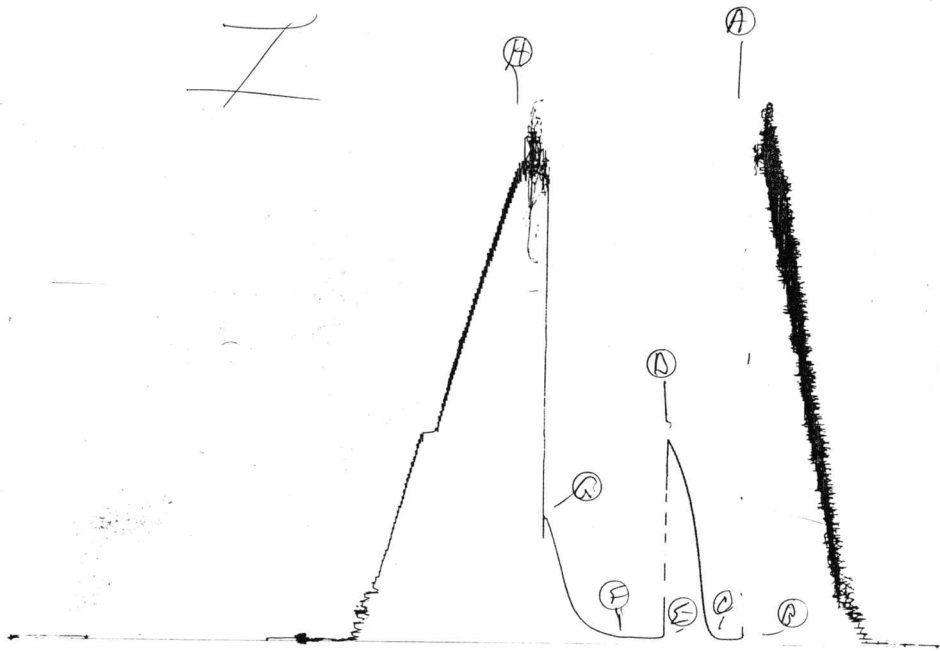
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	34.00	34.00	0.00
6.00	37.00	3.00	0.00
9.00	43.00	6.00	0.00
12.00	48.00	5.00	0.00
15.00	55.00	7.00	0.00
18.00	62.00	7.00	0.00
21.00	71.00	9.00	0.00
24.00	82.00	11.00	0.00
27.00	96.00	14.00	0.00
30.00	115.00	19.00	0.00
33.00	140.00	25.00	0.00
36.00	169.00	29.00	0.00
39.00	213.00	44.00	0.00
42.00	269.00	56.00	0.00
45.00	335.00	66.00	0.00
48.00	417.00	82.00	0.00
51.00	489.00	72.00	0.00
54.00	565.00	76.00	0.00
57.00	633.00	68.00	0.00
60.00	681.00	48.00	0.00
63.00	702.00	21.00	0.00

HK 2000

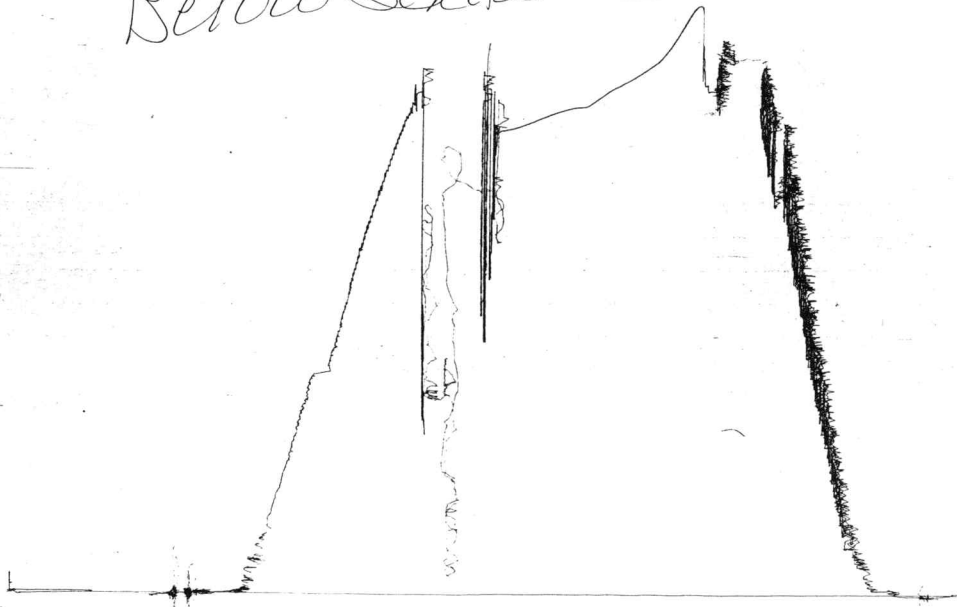
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HK + 2000 2605 0574

Below Straddle



7K+ 20002

2604 0574

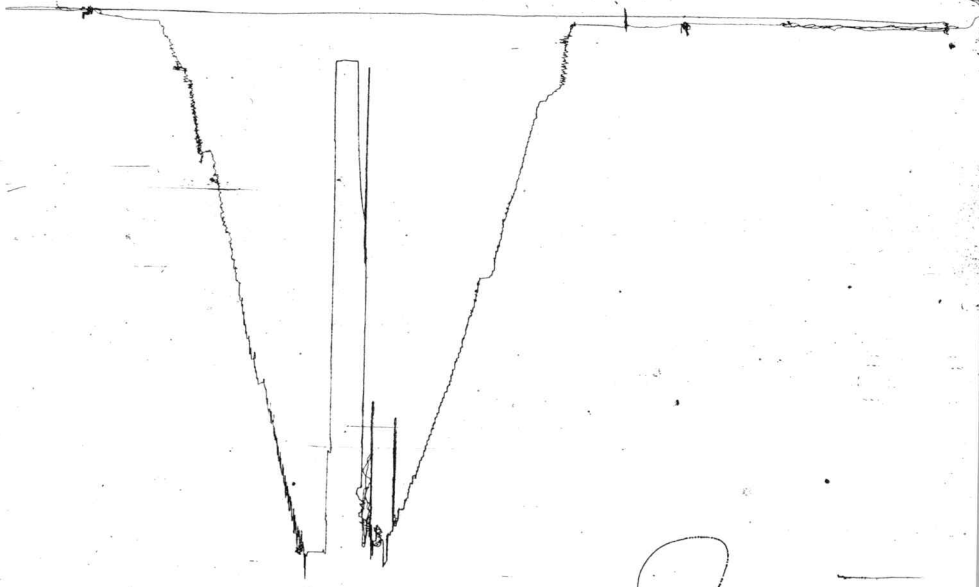


DJ#5. REC 3659 INSIDE BTM

(CLOCK STOPPED)

7/1/05

0



DST REPORT

GENERAL INFORMATION

DATE	: 2/9/94	TICKET	: 20215
CUSTOMER	: CHARTER PRODUCTION CO	LEASE	: FEIERTAG B
WELL	: #1	TEST: 5	GEOLOGIST: PRUIT
ELEVATION:		FORMATION:	ST LOUIS
SECTION	: 20	TOWNSHIP	: 30S
RANGE	: 40W	STATE	: KS
Gauge SN#:	11018	CLOCK	: 12
COUNTY:	STANTON		
RANGE	: 4425		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5450.00 ft	TO:	5586.00 ft	TVD:	5620.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5453.0 ft		5578.0 ft		
TEMPERATURE:	136.0				
DRILL COLLAR LENGTH:	440.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH	: 0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH	: 4984.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH	: 26.0 ft	TOOL SIZE	: 5.500 in		
ANCHOR LENGTH	: 136.0 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:	5445.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	5450.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	5586.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON.	: ZENITH RIG 7	VISCOSITY	: 55.00 cp
MUD TYPE	: CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT	: 9.300 ppg	SERIAL NUMBER:	12369
CHLORIDES	: 1000 ppm	REVERSED OUT?:	NO
JARS-MAKE	: WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK STEADY 1 INCH BLOW.
FINAL FLOW PERIOD WEAK BLOW - 1/2 INCH DECREASING
TO 1/4 INCH BY END OF PERIOD.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

RIG DRAW WORKS BREAKDOWN CAUSED FINAL FLOW TO BE LONGER (BY 90 MINUTES) THAN ASKED FOR.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	0.0	0.0	100.0	DRILLING MUD W/SCUM OIL
380.0	0.0	0.0	80.0	20.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 30000 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
 GAS VOLUME: 0.0000 SCF
 MUD VOLUME: 2.3225 STB
 WATER VOLUME: 1.4292 STB
 TOTAL FLUID : 3.7518 STB

TOTAL FLOW TIME: 150.0000 min.
 AVERAGE OIL RATE: 0.0000 STB/D
 AVERAGE WATER RATE: 17.1505 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2667.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	67.00	90.00
INITIAL SHUT-IN	45.00		1313.00
FINAL FLOW	150.00	134.00	246.00
FINAL SHUT-IN	90.00		1257.00

FINAL HYDROSTATIC PRESSURE: 2632.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2741.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	69.00	87.00
INITIAL SHUT-IN	51.00		1324.00
FINAL FLOW	135.00	136.00	257.00
FINAL SHUT-IN	99.00		1258.00

FINAL HYDROSTATIC PRESSURE: 2688.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/9/94	TICKET : 20215
CUSTOMER : CHARTER PRODUCTION CO	LEASE : FEIERTAG B
WELL : #1	GEOLOGIST: PRUIT
ELEVATION:	FORMATION: ST LOUIS
SECTION : 20	TOWNSHIP : 30S
RANGE : 40W	STATE : KS
GAUGE SN#: 11018	CLOCK : 12
COUNTY: STANTON	
RANGE : 4425	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	69.00	69.00
5.00	69.00	0.00
10.00	71.00	2.00
15.00	87.00	16.00

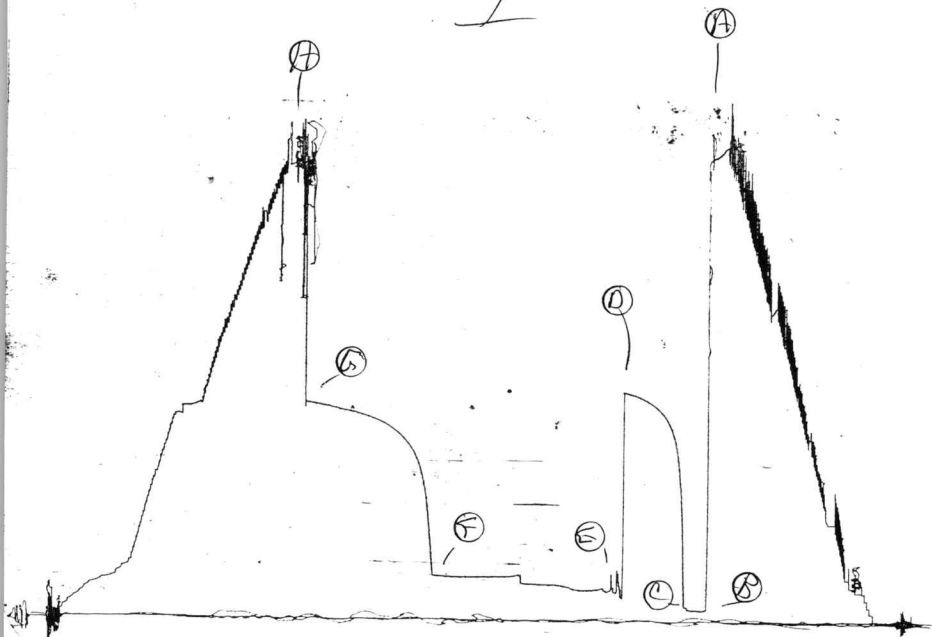
INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	521.00	521.00	0.00
6.00	844.00	323.00	0.00
9.00	995.00	151.00	0.00
12.00	1083.00	88.00	0.00
15.00	1139.00	56.00	0.00
18.00	1182.00	43.00	0.00
21.00	1214.00	32.00	0.00
24.00	1233.00	19.00	0.00
27.00	1249.00	16.00	0.00
30.00	1263.00	14.00	0.00
33.00	1279.00	16.00	0.00
36.00	1291.00	12.00	0.00
39.00	1301.00	10.00	0.00
42.00	1307.00	6.00	0.00
45.00	1315.00	8.00	0.00
48.00	1319.00	4.00	0.00
51.00	1324.00	5.00	0.00

DST #5 ROC #11018 INSIDE TOP

KT 2015.

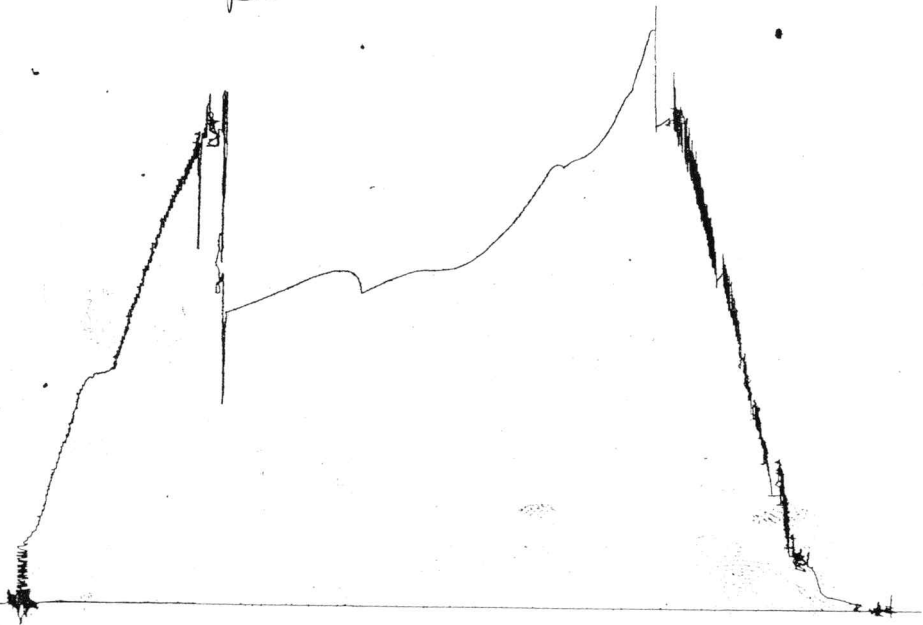
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DST #5 ROC # 13629 BELOW STRADDLE

KT 2025

Below Straddle



PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	136.00	136.00
5.00	168.00	32.00
10.00	179.00	11.00
15.00	189.00	10.00
20.00	184.00	-5.00
25.00	181.00	-3.00
30.00	181.00	0.00
35.00	183.00	2.00
40.00	193.00	10.00
45.00	202.00	9.00
50.00	210.00	8.00
55.00	211.00	1.00
60.00	212.00	1.00
65.00	215.00	3.00
70.00	216.00	1.00
75.00	218.00	2.00
80.00	262.00	44.00
85.00	257.00	-5.00
90.00	256.00	-1.00
95.00	256.00	0.00
100.00	256.00	0.00
105.00	253.00	-3.00
110.00	255.00	2.00
115.00	253.00	-2.00
120.00	253.00	0.00
125.00	253.00	0.00
130.00	256.00	3.00
135.00	257.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	460.00	460.00	0.00
6.00	667.00	207.00	0.00
9.00	795.00	128.00	0.00
12.00	882.00	87.00	0.00
15.00	939.00	57.00	0.00
18.00	985.00	46.00	0.00
21.00	1021.00	36.00	0.00
24.00	1051.00	30.00	0.00
27.00	1073.00	22.00	0.00
30.00	1088.00	15.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
33.00	1108.00	20.00	0.00
36.00	1125.00	17.00	0.00
39.00	1137.00	12.00	0.00
42.00	1148.00	11.00	0.00
45.00	1159.00	11.00	0.00
48.00	1168.00	9.00	0.00
51.00	1174.00	6.00	0.00
54.00	1183.00	9.00	0.00
57.00	1189.00	6.00	0.00
60.00	1196.00	7.00	0.00
63.00	1202.00	6.00	0.00
66.00	1207.00	5.00	0.00
69.00	1211.00	4.00	0.00
72.00	1216.00	5.00	0.00
75.00	1221.00	5.00	0.00
78.00	1227.00	6.00	0.00
81.00	1233.00	6.00	0.00
84.00	1237.00	4.00	0.00
87.00	1244.00	7.00	0.00
90.00	1248.00	4.00	0.00
93.00	1251.00	3.00	0.00
96.00	1255.00	4.00	0.00
99.00	1258.00	3.00	0.00