

DST REPORT

GENERAL INFORMATION

DATE	: 5-11-95	TICKET	: 20780
CUSTOMER	: WHITE & ELLIS DRILLING	LEASE	: CRANSTON FARMS
WELL	: #1-17	TEST: 1	GEOLOGIST: THOMAS FUNK
ELEVATION	: 3261 KB	FORMATION	: L KANSAS CITY
SECTION	: 17	TOWNSHIP	: 8
RANGE	: 34W	COUNTY: THOMAS	STATE : KS
GAUGE SN#	: 13760	RANGE : 3950	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4170.00 ft	TO:	4190.00 ft	TVD:	4190.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL				
DEPTH OF RECORDERS:	4173.0 ft	4176.0 ft			
TEMPERATURE:	115.0				
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 :	4150.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	20.0 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:	4165.0 ft	SIZE:	6.750 in		
PACKER DEPTH:	4170.0 ft	SIZE:	6.750 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	WHITE & ELLIS DRLG.	VISCOSITY :	49.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.000 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	
CHLORIDES :	3500 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET
IN 14 MINUTES.
FINAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN 16 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
630.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 25,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0000	STB		
WATER VOLUME:	8.8366	STB		
TOTAL FLUID :	8.8366	STB		
			TOTAL FLOW TIME:	65.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	195.7648 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1996.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	78.00	136.00
INITIAL SHUT-IN	45.00		1299.00
FINAL FLOW	45.00	214.00	292.00
FINAL SHUT-IN	60.00		1299.00

FINAL HYDROSTATIC PRESSURE: 1976.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2031.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	100.00	142.00
INITIAL SHUT-IN	45.00		1309.00
FINAL FLOW	40.00	227.00	305.00
FINAL SHUT-IN	60.00		1310.00

FINAL HYDROSTATIC PRESSURE: 1983.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-11-95	TICKET : 20780
CUSTOMER : WHITE & ELLIS DRILLING	LEASE : CRANSTON FARMS
WELL : #1-17 TEST: 1	GEOLOGIST: THOMAS FUNK
ELEVATION: 3261 KB	FORMATION: L KANSAS CITY
SECTION : 17	TOWNSHIP : 8
RANGE : 34W COUNTY: THOMAS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	100.00	100.00
5.00	95.00	-5.00
10.00	99.00	4.00
15.00	117.00	18.00
20.00	131.00	14.00
25.00	142.00	11.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	142.00	142.00	0.00
6.00	193.00	51.00	0.00
9.00	637.00	444.00	0.00
12.00	1276.00	639.00	0.00
15.00	1289.00	13.00	0.00
18.00	1296.00	7.00	0.00
21.00	1301.00	5.00	0.00
24.00	1305.00	4.00	0.00
27.00	1307.00	2.00	0.00
30.00	1307.00	0.00	0.00
33.00	1307.00	0.00	0.00
36.00	1308.00	1.00	0.00
39.00	1309.00	1.00	0.00
42.00	1309.00	0.00	0.00
45.00	1309.00	0.00	0.00

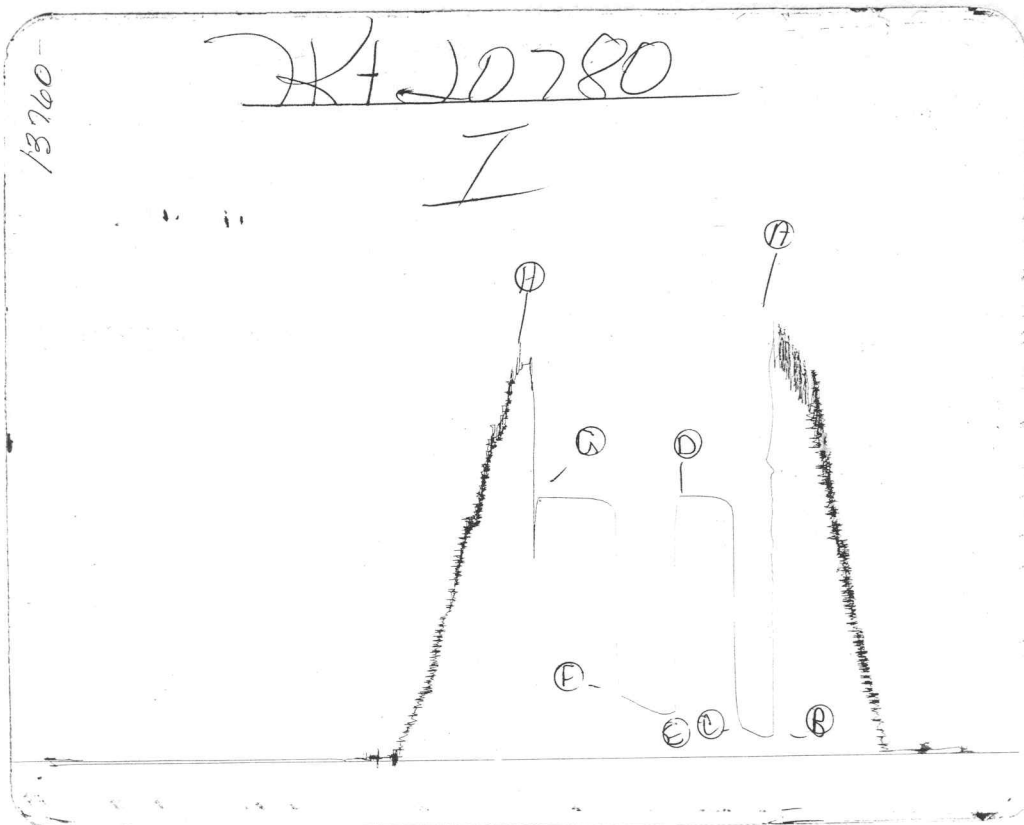
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

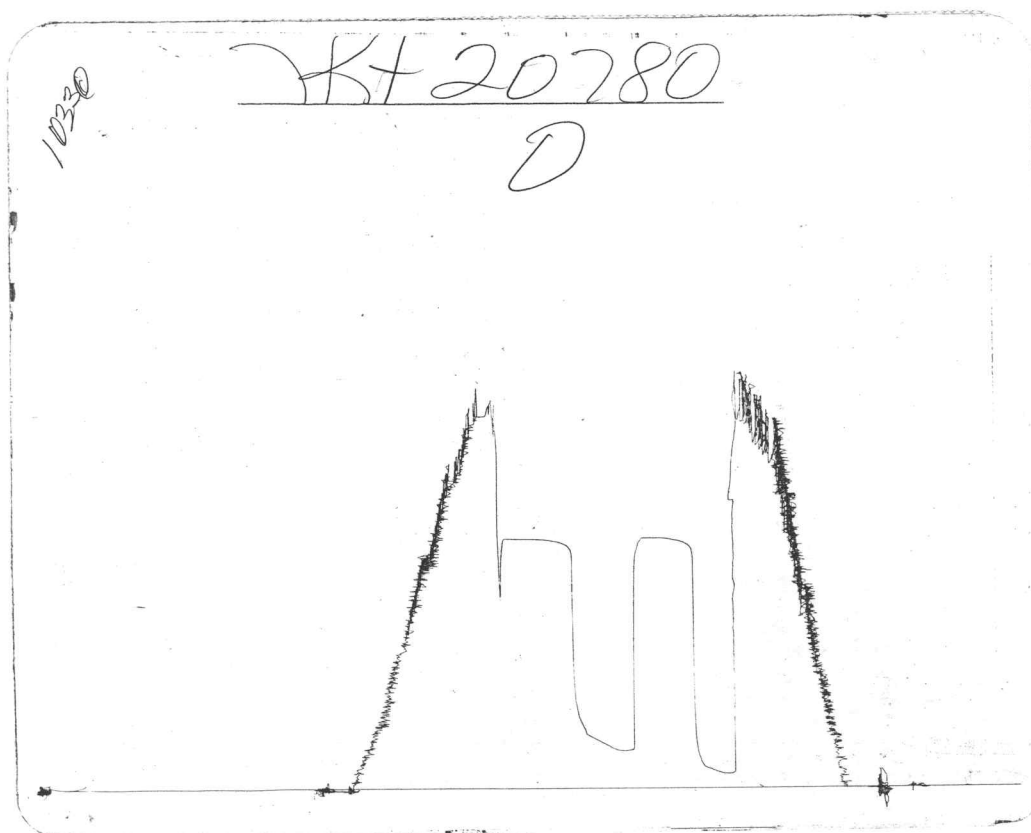
Time (min)	Pressure	Delta P
0.00	227.00	227.00
5.00	214.00	-13.00
10.00	213.00	-1.00
15.00	226.00	13.00
20.00	239.00	13.00
25.00	255.00	16.00
30.00	273.00	18.00
35.00	293.00	20.00
40.00	305.00	12.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	759.00	759.00	0.00
6.00	1264.00	505.00	0.00
9.00	1278.00	14.00	0.00
12.00	1289.00	11.00	0.00
15.00	1293.00	4.00	0.00
18.00	1298.00	5.00	0.00
21.00	1301.00	3.00	0.00
24.00	1303.00	2.00	0.00
27.00	1304.00	1.00	0.00
30.00	1305.00	1.00	0.00
33.00	1306.00	1.00	0.00
36.00	1307.00	1.00	0.00
39.00	1308.00	1.00	0.00
42.00	1309.00	1.00	0.00
45.00	1309.00	0.00	0.00
48.00	1309.00	0.00	0.00
51.00	1310.00	1.00	0.00
54.00	1310.00	0.00	0.00
57.00	1310.00	0.00	0.00
60.00	1310.00	0.00	0.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 5-12-95	TICKET	: 20781
CUSTOMER	: WHITE & ELLIS DRILLING	LEASE	: CRANSTON FARMS
WELL	: #1-17	TEST: 2	GEOLOGIST: THOMAS FUNK
ELEVATION	: 3261 KB	FORMATION	: L KANSAS CITY "J"
SECTION	: 17	TOWNSHIP	: 8
RANGE	: 34W	COUNTY: THOMAS	STATE : KS
GAUGE SN#	: 13760	RANGE : 4000	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4284.00 ft	TO:	4325.00 ft	TVD:	4325.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4287.0 ft		4290.0 ft		
TEMPERATURE:	119.0				
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 :	4264.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	41.0 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:	4279.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	4284.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	WHITE & ELLIS DRLG.	VISCOSITY :	50.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.600 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	5000 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW INCREASED TO 4 1/2
INCHES IN WATER.
FINAL FLOW PERIOD-WEAK BLOW, INCREASED TO 4 INCHES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN WATER.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1.0	100.0	0.0	0.0	0.0	OIL
180.0	0.0	0.0	50.0	50.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 28,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0140	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.2693	STB/D
MUD VOLUME:	1.2624	STB	AVERAGE WATER RATE:	48.4751	STB/D
WATER VOLUME:	1.2624	STB			
TOTAL FLUID :	2.5388	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2095.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	68.00	68.00
INITIAL SHUT-IN	45.00		1240.00
FINAL FLOW	60.00	78.00	97.00
FINAL SHUT-IN	75.00		1230.00

FINAL HYDROSTATIC PRESSURE: 2035.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2135.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	93.00	60.00
INITIAL SHUT-IN	51.00		1241.00
FINAL FLOW	55.00	125.00	93.00
FINAL SHUT-IN	75.00		1231.00

FINAL HYDROSTATIC PRESSURE: 2063.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5-12-95	TICKET	: 20781
CUSTOMER	: WHITE & ELLIS DRILLING	LEASE	: CRANSTON FARMS
WELL	: #1-17	TEST:	2
ELEVATION	: 3261 KB	GEOLOGIST	: THOMAS FUNK
SECTION	: 17	FORMATION	: L KANSAS CITY "J"
RANGE	: 34W	TOWNSHIP	: 8
GAUGE SN#	: 13760	STATE	: KS
		CLOCK	: 12
		COUNTY	: THOMAS
		RANGE	: 4000

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	93.00	93.00
5.00	68.00	-25.00
10.00	60.00	-8.00
15.00	60.00	0.00
20.00	60.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	99.00	99.00	7.67
6.00	161.00	62.00	4.33
9.00	308.00	147.00	3.22
12.00	434.00	126.00	2.67
15.00	624.00	190.00	2.33
18.00	782.00	158.00	2.11
21.00	883.00	101.00	1.95
24.00	964.00	81.00	1.83
27.00	1024.00	60.00	1.74
30.00	1083.00	59.00	1.67
33.00	1129.00	46.00	1.61
36.00	1159.00	30.00	1.56
39.00	1186.00	27.00	1.51
42.00	1207.00	21.00	1.48
45.00	1225.00	18.00	1.44
48.00	1239.00	14.00	1.42
51.00	1241.00	2.00	1.39

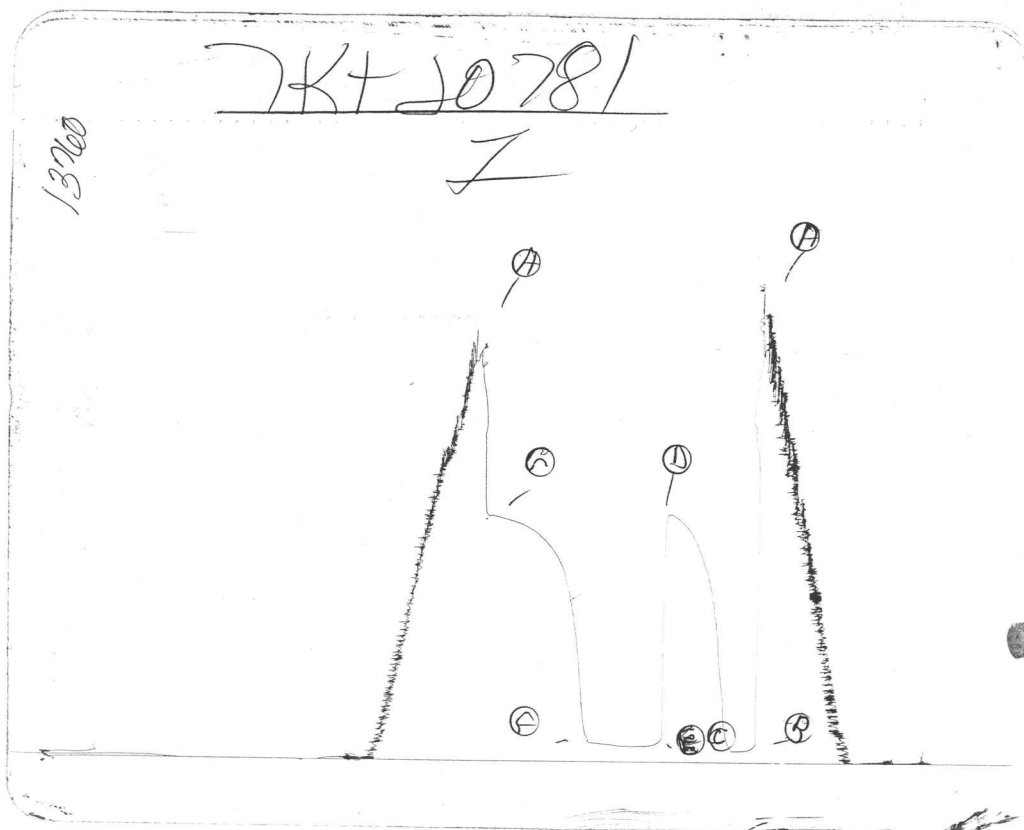
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

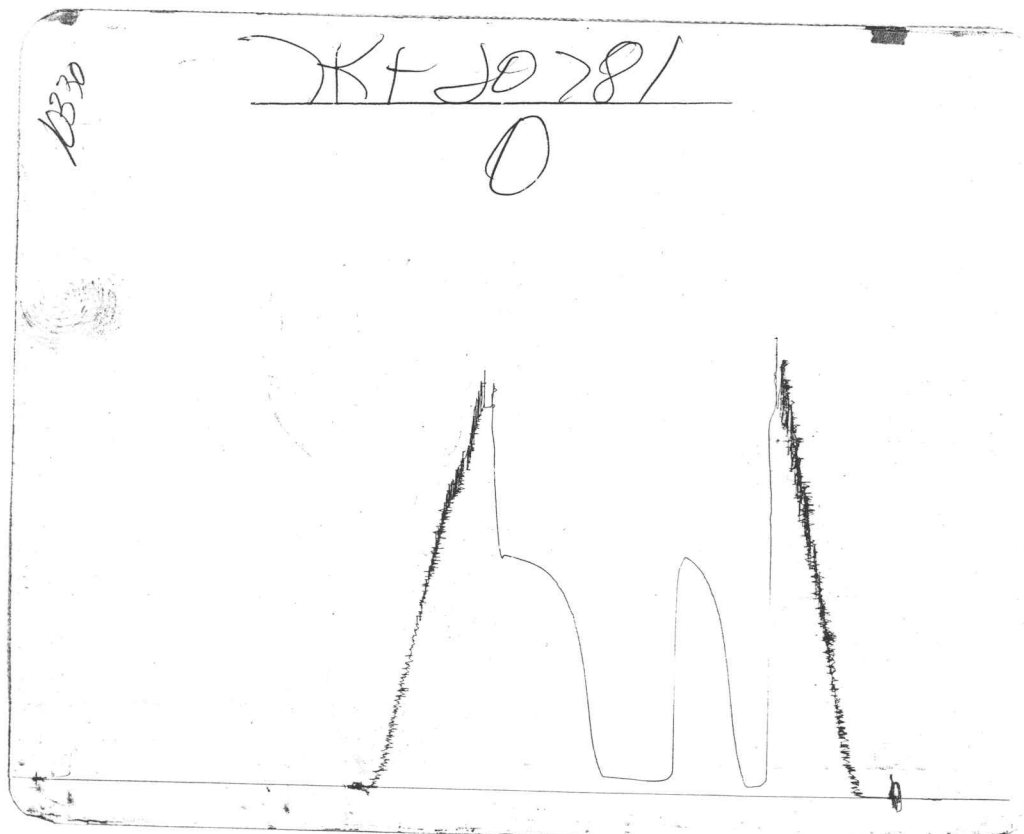
Time (min)	Pressure	Delta P
0.00	125.00	125.00
5.00	90.00	-35.00
10.00	79.00	-11.00
15.00	78.00	-1.00
20.00	78.00	0.00
25.00	78.00	0.00
30.00	81.00	3.00
35.00	84.00	3.00
40.00	86.00	2.00
45.00	88.00	2.00
50.00	90.00	2.00
55.00	93.00	3.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	129.00	129.00	19.33
6.00	241.00	112.00	10.17
9.00	475.00	234.00	7.11
12.00	644.00	169.00	5.58
15.00	765.00	121.00	4.67
18.00	865.00	100.00	4.06
21.00	941.00	76.00	3.62
24.00	986.00	45.00	3.29
27.00	1024.00	38.00	3.04
30.00	1054.00	30.00	2.83
33.00	1083.00	29.00	2.67
36.00	1104.00	21.00	2.53
39.00	1125.00	21.00	2.41
42.00	1143.00	18.00	2.31
45.00	1156.00	13.00	2.22
48.00	1169.00	13.00	2.15
51.00	1179.00	10.00	2.08
54.00	1189.00	10.00	2.02
57.00	1195.00	6.00	1.96
60.00	1203.00	8.00	1.92
63.00	1209.00	6.00	1.87
66.00	1217.00	8.00	1.83
69.00	1223.00	6.00	1.80
72.00	1228.00	5.00	1.76
75.00	1231.00	3.00	1.73



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 5-13-95
CUSTOMER : WHITE & ELLIS DRILLING
WELL : #1-17 TEST: 3
ELEVATION: 3261 KB
SECTION : 17
RANGE : 34W COUNTY: THOMAS
GAUGE SN#: 13760 RANGE : 3950

TICKET : 20782
LEASE : CRANSTON FARMS
GEOLOGIST: THOMAS FUNK
FORMATION: PAWNEE
TOWNSHIP : 8
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4472.00 ft TO: 4531.00 ft TVD: 4531.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4475.0 ft 4478.0 ft
TEMPERATURE: 122.0

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 :	4452.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	59.0 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:	4468.0 ft	SIZE:	6.750 in
PACKER DEPTH:	4472.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : WHITE & ELLIS DRLG.
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 6500 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 51.00 cp
WATER LOSS: 10.100 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW-DIED IN 20 MINUTES.
FINAL FLOW PERIOD-NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	MUD WITH FEW SPOTS OF OIL
0.0	0.0	0.0	0.0	0.0	OIL LESS THAN 1%

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:	0.0701	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0701	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2175.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	29.00	29.00
INITIAL SHUT-IN	15.00		48.00
FINAL FLOW	15.00	29.00	29.00
FINAL SHUT-IN	15.00		39.00

FINAL HYDROSTATIC PRESSURE: 2155.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2210.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	90.00	36.00
INITIAL SHUT-IN	9.00		61.00
FINAL FLOW	15.00	46.00	36.00
FINAL SHUT-IN	18.00		46.00

FINAL HYDROSTATIC PRESSURE: 2181.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-13-95	TICKET : 20782
CUSTOMER : WHITE & ELLIS DRILLING	LEASE : CRANSTON FARMS
WELL : #1-17 TEST: 3	GEOLOGIST: THOMAS FUNK
ELEVATION: 3261 KB	FORMATION: PAWNEE
SECTION : 17	TOWNSHIP : 8
RANGE : 34W COUNTY: THOMAS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	90.00	90.00
5.00	62.00	-28.00
10.00	43.00	-19.00
15.00	36.00	-7.00
20.00	36.00	0.00
25.00	36.00	0.00
30.00	36.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	40.00	40.00	0.00
6.00	50.00	10.00	0.00
9.00	61.00	11.00	0.00

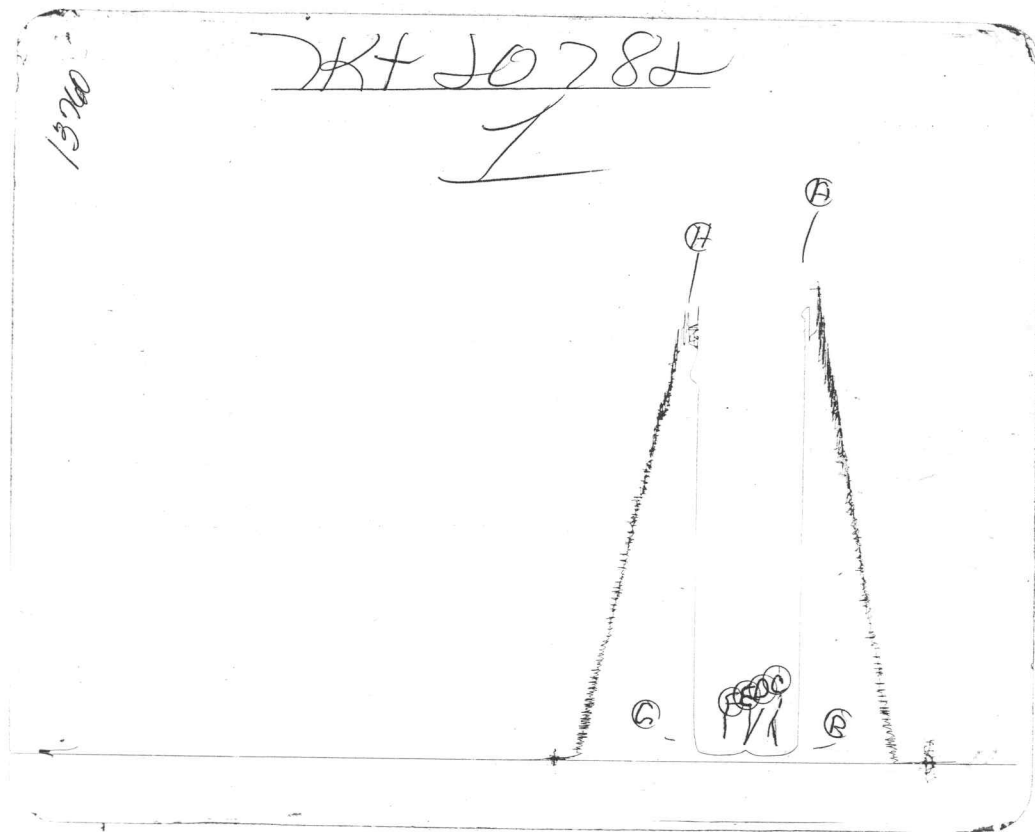
FINAL FLOW

Time (min)	Pressure	Delta P
0.00	46.00	46.00
5.00	46.00	0.00
10.00	37.00	-9.00
15.00	36.00	-1.00

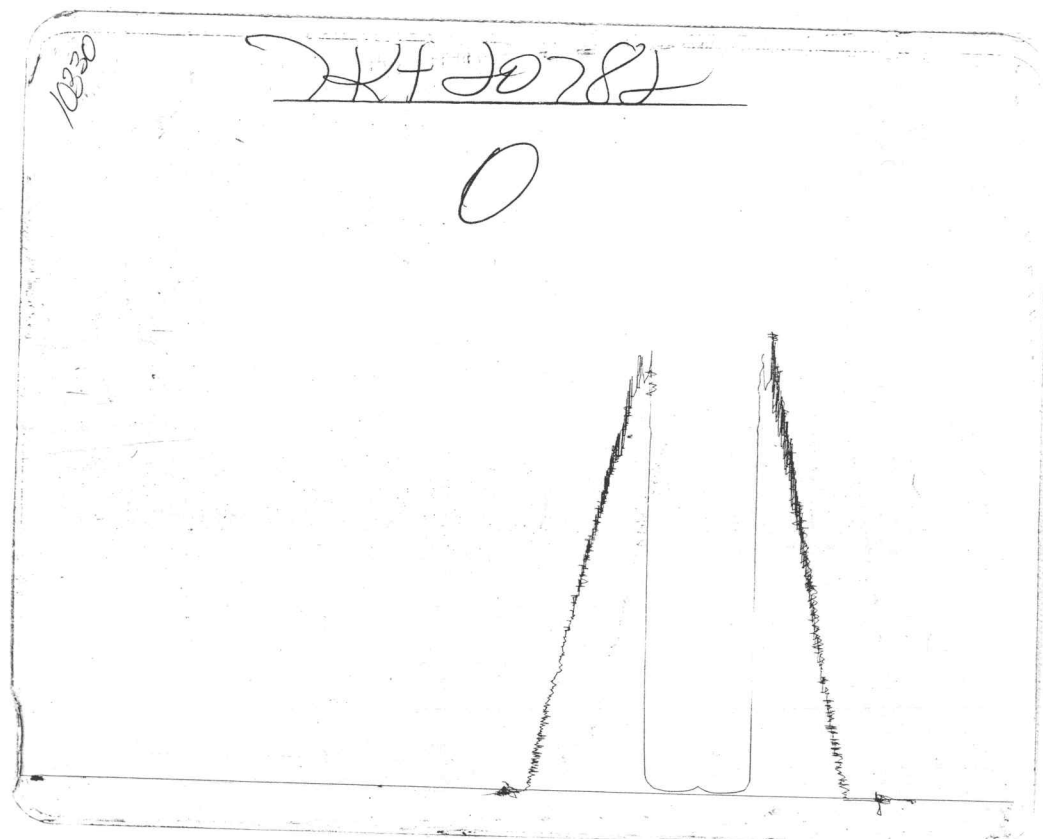
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	36.00	36.00	0.00
6.00	37.00	1.00	0.00
9.00	38.00	1.00	0.00
12.00	39.00	1.00	0.00
15.00	41.00	2.00	0.00
18.00	46.00	5.00	0.00



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 5-14-95	TICKET	: 20783
CUSTOMER	: WHITE & ELLIS DRILLING	LEASE	: CRANSTON FARMS
WELL	: #1-17	TEST: 4	GEOLOGIST: THOMAS FUNK
ELEVATION	: 3261 KB	FORMATION	: JOHNSON
SECTION	: 17	TOWNSHIP	: 8
RANGE	: 34W	COUNTY: THOMAS	STATE : KS
GAUGE SN#:		RANGE :	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4598.00 ft	TO:	4665.00 ft	TVD:	4665.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	0.0 ft		0.0 ft		
TEMPERATURE:	0.0				
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 :	4578.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	67.0 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:	4593.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	4598.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	WHITE & ELLIS DRLG	VISCOSITY :	56.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT :	9.400 ppg		
CHLORIDES :	7000 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

MISRUN
HIT BRIDGE AT 4305FT-COULD NOT GET TO BOTTOM.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
No Data Entered					

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0000	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.0000	STB		
			TOTAL FLOW TIME: No Events Created	
			AVERAGE OIL RATE: 0.0000 STB/D	
			AVERAGE WATER RATE: 0.0000 STB/D	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
No Events Created			

FINAL HYDROSTATIC PRESSURE: 0.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-14-95 CUSTOMER : WHITE & ELLIS DRILLING WELL : #1-17 TEST: 4 ELEVATION: 3261 KB SECTION : 17 RANGE : 34W COUNTY: THOMAS GAUGE SN#: RANGE :	TICKET : 20783 LEASE : CRANSTON FARMS GEOLOGIST: THOMAS FUNK FORMATION: JOHNSON TOWNSHIP : 8 STATE : KS CLOCK : 12
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INITIAL FLOW

Time (min)	Pressure	Delta P
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INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
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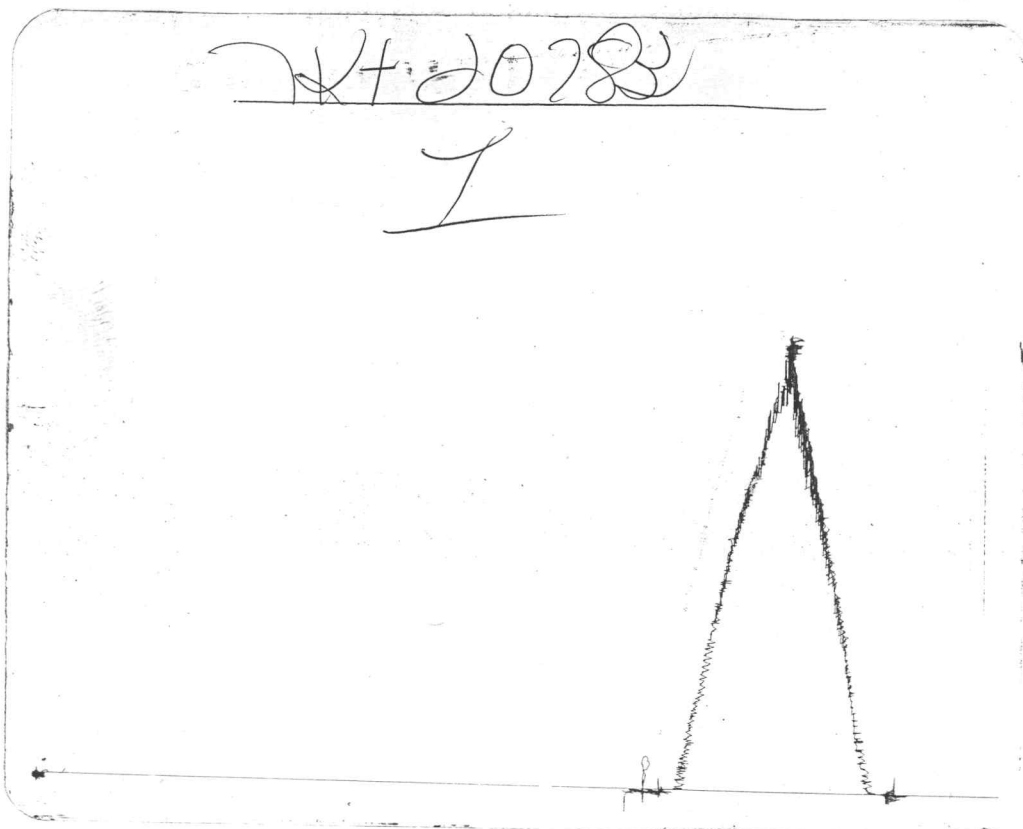
FINAL FLOW

Time (min)	Pressure	Delta P
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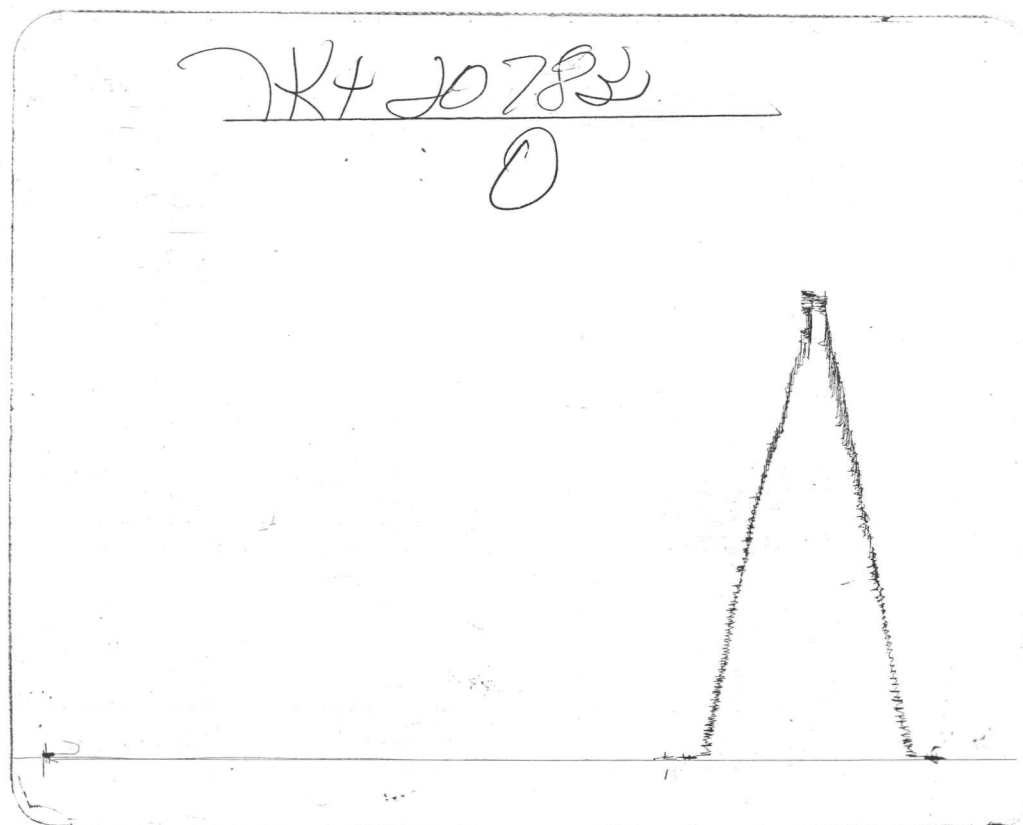
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
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No Data Entered



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 5-15-95	TICKET	: 20784
CUSTOMER	: WHITE & ELLIS DRILLING	LEASE	: CRANSTON FARMS
WELL	: #1-17	TEST: 5	GEOLOGIST: THOMAS FUNK
ELEVATION	: 3261 KB	FORMATION	: JOHNSON
SECTION	: 17	TOWNSHIP	: 8
RANGE	: 34W	COUNTY: THOMAS	STATE : KS
GAUGE SN#	: 13760	RANGE : 3950	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4598.00 ft	TO:	4665.00 ft	TVD:	4665.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4601.0 ft	4604.0 ft			
TEMPERATURE:	123.0				
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 :	4578.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	67.0 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:	4593.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	4598.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	WHITE & ELLIS DRLG.	VISCOSITY :	56.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.200 cc
WEIGHT :	9.300 ppg	SERIAL NUMBER:	
CHLORIDES :	8000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-OPENED TO WEAK BLOW INCREASED
TO 8 INCHES IN BUCKET.
FINAL FLOW PERIOD-OPENED TO 2 INCH BLOW INCREASED

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TO BOTTOM OF BUCKET IN 34 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
80.0	100.0	0.0	0.0	0.0	CLEAN OIL
0.0	0.0	0.0	0.0	0.0	24 GRAVITY AT 60 DEGREES
60.0	10.0	0.0	0.0	90.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	1.2063	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.7574	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	1.9637	STB		
			TOTAL FLOW TIME:	90.0000 min.
			AVERAGE OIL RATE:	31.4190 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2284.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	45.00		1250.00
FINAL FLOW	60.00	68.00	68.00
FINAL SHUT-IN	75.00		1250.00

FINAL HYDROSTATIC PRESSURE: 2245.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2284.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	45.00		1250.00
FINAL FLOW	60.00	68.00	68.00
FINAL SHUT-IN	75.00		1258.00

FINAL HYDROSTATIC PRESSURE: 2245.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-15-95	TICKET : 20784
CUSTOMER : WHITE & ELLIS DRILLING	LEASE : CRANSTON FARMS
WELL : #1-17	GEOLOGIST: THOMAS FUNK
ELEVATION: 3261 KB	FORMATION: JOHNSON
SECTION : 17	TOWNSHIP : 8
RANGE : 34W	STATE : KS
GAUGE SN#: 13760	CLOCK : 12
COUNTY: THOMAS	
RANGE : 3950	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	48.00	48.00
5.00	48.00	0.00
10.00	48.00	0.00
15.00	48.00	0.00
20.00	48.00	0.00
25.00	48.00	0.00
30.00	48.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	65.00	65.00	11.00
6.00	90.00	25.00	6.00
9.00	136.00	46.00	4.33
12.00	220.00	84.00	3.50
15.00	371.00	151.00	3.00
18.00	669.00	298.00	2.67
21.00	941.00	272.00	2.43
24.00	1057.00	116.00	2.25
27.00	1116.00	59.00	2.11
30.00	1154.00	38.00	2.00
33.00	1187.00	33.00	1.91
36.00	1216.00	29.00	1.83
39.00	1224.00	8.00	1.77
42.00	1237.00	13.00	1.71
45.00	1250.00	13.00	1.67

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	68.00	68.00
5.00	68.00	0.00
10.00	68.00	0.00
15.00	68.00	0.00
20.00	68.00	0.00
25.00	68.00	0.00
30.00	68.00	0.00
35.00	68.00	0.00
40.00	68.00	0.00
45.00	68.00	0.00
50.00	68.00	0.00
55.00	68.00	0.00
60.00	68.00	0.00

FINAL SHUT IN

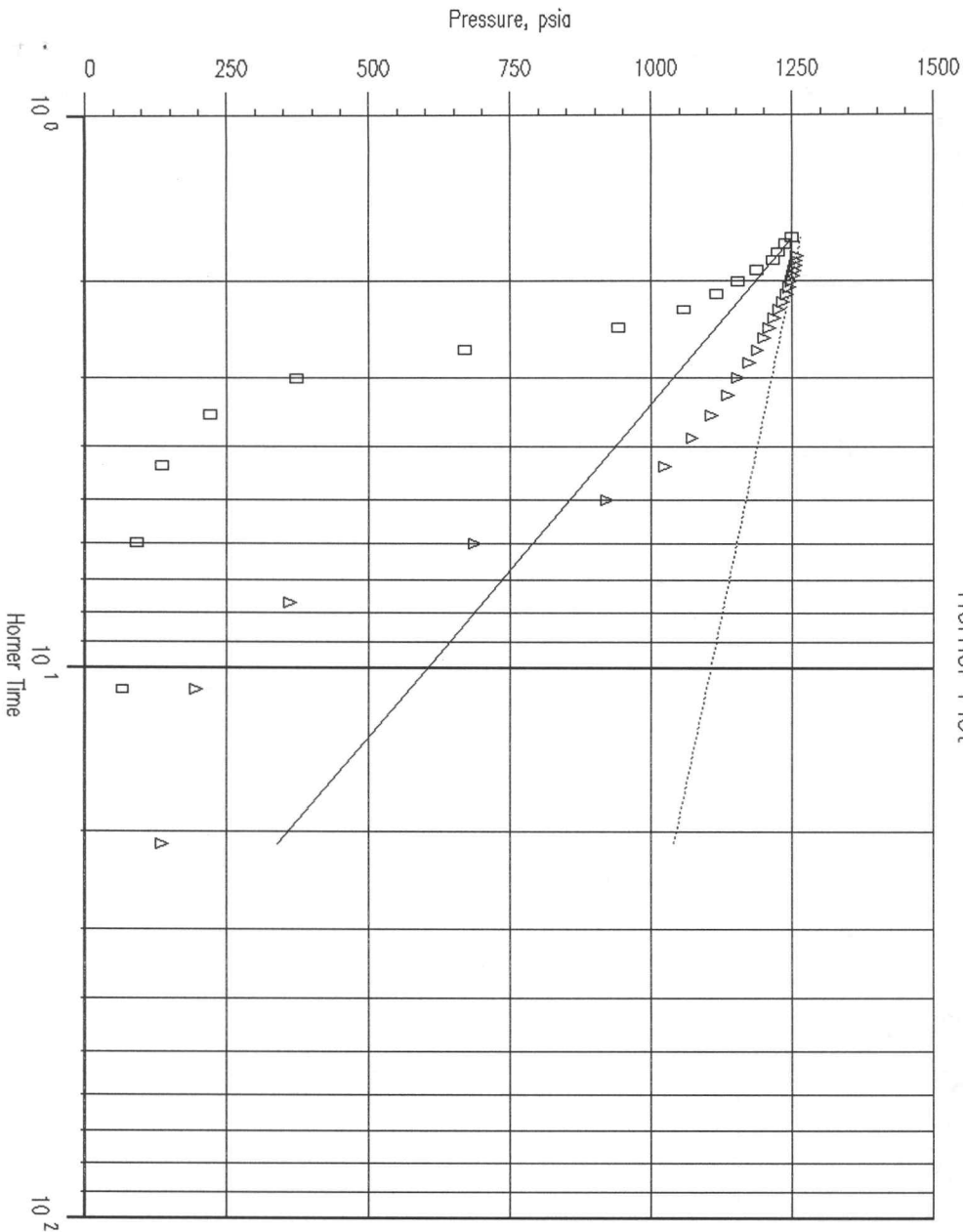
Time (min)	Pressure	Delta P	Horner T
3.00	136.00	136.00	21.00
6.00	195.00	59.00	11.00
9.00	361.00	166.00	7.67
12.00	686.00	325.00	6.00
15.00	922.00	236.00	5.00
18.00	1023.00	101.00	4.33
21.00	1072.00	49.00	3.86
24.00	1106.00	34.00	3.50
27.00	1135.00	29.00	3.22
30.00	1153.00	18.00	3.00
33.00	1174.00	21.00	2.82
36.00	1188.00	14.00	2.67
39.00	1200.00	12.00	2.54
42.00	1210.00	10.00	2.43
45.00	1218.00	8.00	2.33
48.00	1226.00	8.00	2.25
51.00	1234.00	8.00	2.18
54.00	1240.00	6.00	2.11
57.00	1244.00	4.00	2.05
60.00	1248.00	4.00	2.00
63.00	1251.00	3.00	1.95
66.00	1253.00	2.00	1.91
69.00	1256.00	3.00	1.87
72.00	1257.00	1.00	1.83
75.00	1258.00	1.00	1.80

DATE 5-15-95
 CUSTOMER WHITE & ELLIS DRILLING
 WELL 1-17
 ELEVATION 3261 K.B.
 SECTION 17
 RANGE 34W
 GAUGE SN# 13760

TEST 5
 COUNTY THOMAS
 RANGE 3950

TICKET 20784
 LEASE CRANSTON
 GEOLOGIST THOMAS FUNK
 FORMATION JOHNSON
 TOWNSHIP 8
 STATE KS
 CLOCK

Horner Plot



Result

	#1	#2
tp, hrs	0.50	1.00
Slope	-827.49	-205.33
Pstar, psig	1431.79	1310.92
P1hr, psig	1286.07	1249.11
Skin	-0.52	3.48
k, md	8.00	32.25
kh/u, md-ft/cp	6.74	27.16
ri, ft	5.05	14.34
DR, %	0.62	1.90
Drawdown Factor, %		-0.640
Drawdown P*, %		8.442

— BUILD 1
 BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 5-15-95	TICKET : 20784
CUSTOMER : WHITE & ELLIS DIRLLING	LEASE : CRANSTON
WELL : 1-17 TEST: 5	GEOLOGIST: THOMAS FUNK
ELEVATION: 3261 K.B.	FORMATION: JOHNSON
SECTION : 17	TOWNSHIP : 8
RANGE : 34W COUNTY: THOMAS	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK :

Input Data

Porosity 0.180 Rw: 0.328 ft h: 4.000 ft

qo 31.4 STB GOR 180.6 SCF/STB

Pvt Data

Evalutation Pressure : 1250.0

Evalutation Temperature: 123.0

Oil Grav 24.00 API	Gas Grav 0.65 API	Pb 1250.00 PSIA
Bo 1.091 RBL/STB	Vis 1.000 cp	Ct 1.9359E-004 1/PSI

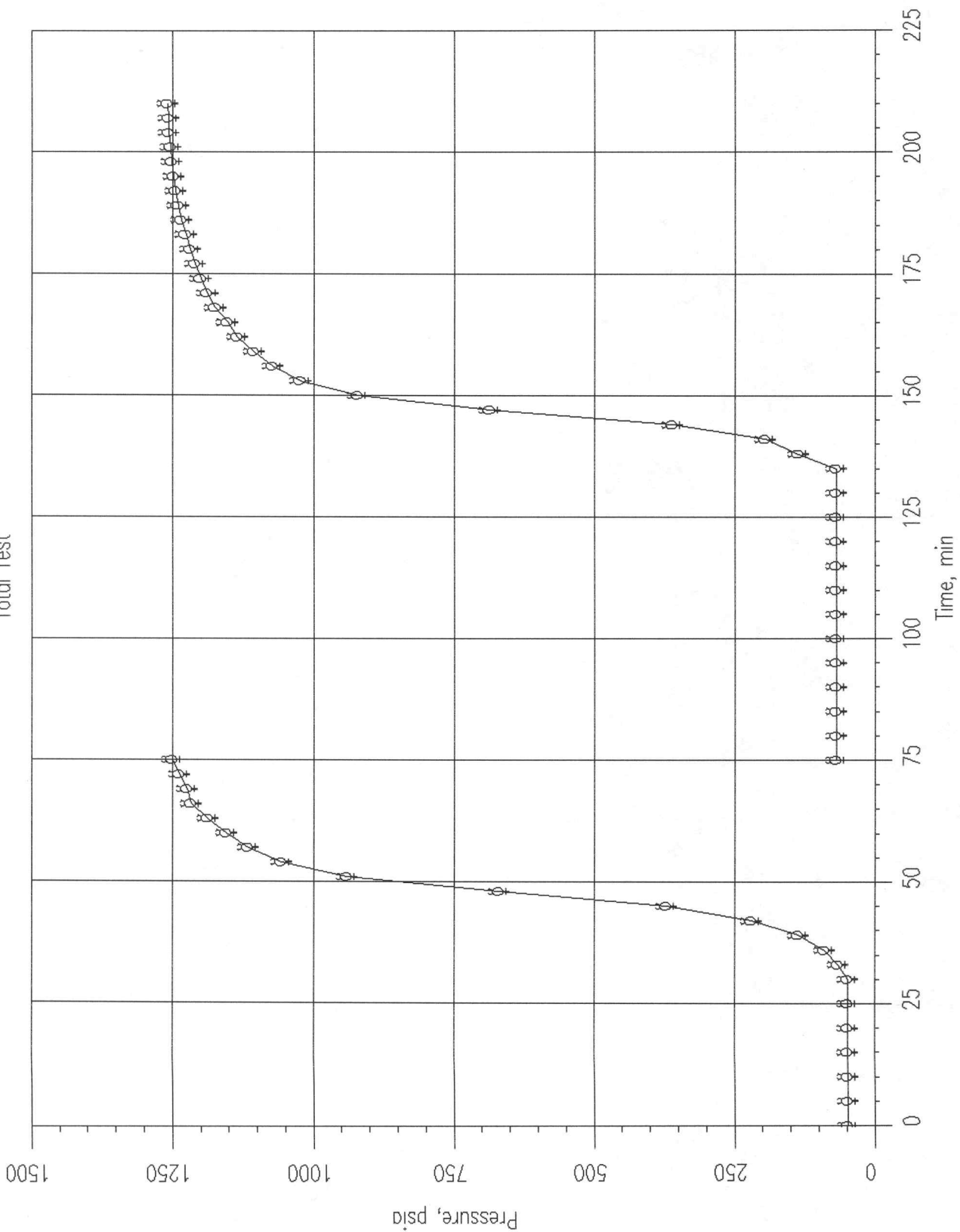
Horner Results

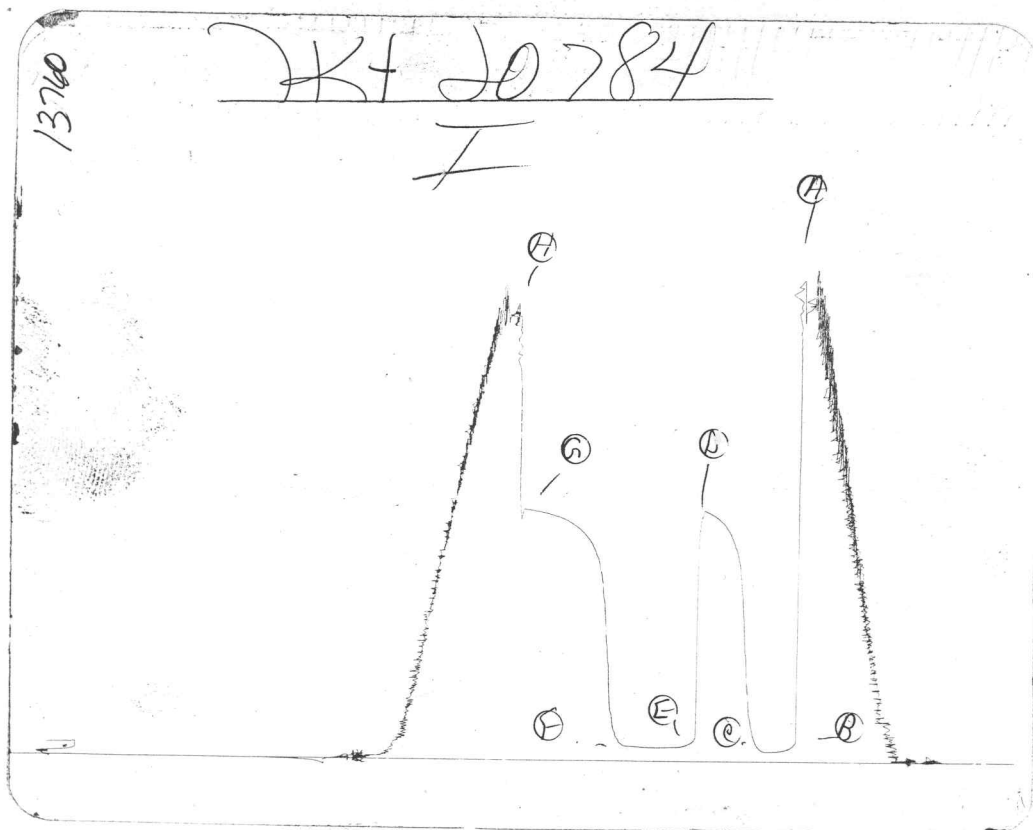
	Inital Shut-In	Final Shut-In
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pseudo pressure time	0.50 hrs	1.00 hrs
slope	-827.49	-205.33
pstar	1431.79 psig	1310.92 psig
plhr	1286.07 psig	1249.11 psig
skin	-0.52	3.48
permeability	8.00 md	32.25 md
transmisability	6.74 md-ft/cp	27.16 md-ft/cp
radius of investigation	5.05 ft	14.34 ft
Damage-Ratio	0.62 percent	1.9 percent
Drawdown Factor		-0.640 percent
Drawdown P*		8.442 percent

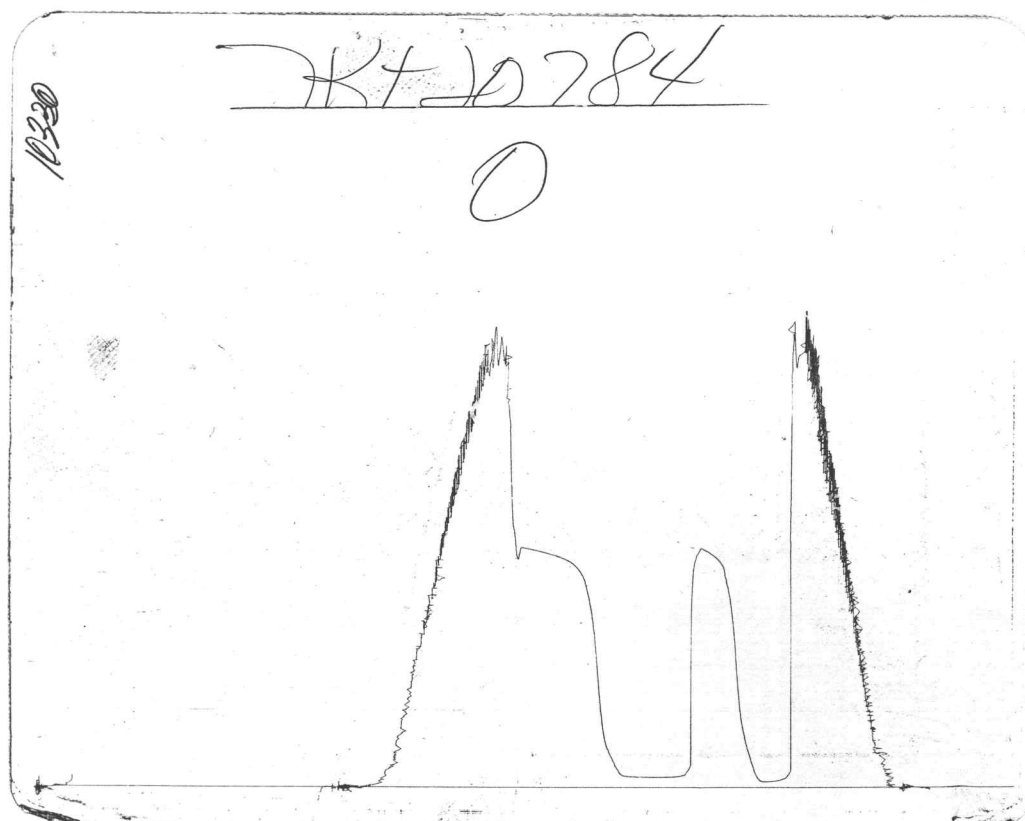
Profile Plot

Total Test





Inside Recorder



Outside Recorder