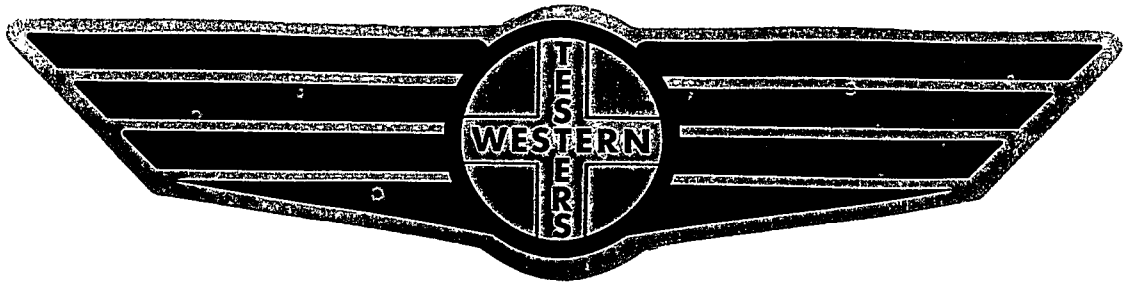
FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY PETROLEUM PRODUCTION MANAGEMENT LEASE & WELL NO. #2 THORNBROUGH SEC. 16 TWP. 21S RGE. 35W TEST NO. 1 DATE 10/28/94

DST REPORT

GENERAL INFORMATION

DATE	: 10/28/94	TICKET	: 20611
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: THORNBROUGH
WELL	: #2 TEST: 1	GEOLOGIST	: BAKER
ELEVATION	: 3120KB	FORMATION	: MARMATON
SECTION	: 16	TOWNSHIP	: 21S
RANGE	: 35W COUNTY: KEARNEY	STATE	: KS
GAUGE SN#	: 1562 RANGE : 3900	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4387.00 ft TO: 4450.00 ft TVD: 4450.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4400.0 ft 4403.0 ft
TEMPERATURE: 127.0

DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3820.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	63.0 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:	4382.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4387.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: MURFIN DRLG RIG #3		
MUD TYPE	: STARCH	VISCOSITY :	43.00 cp
WEIGHT	: 9.400 ppg	WATER LOSS:	11.200 cc
CHLORIDES	: 26000 ppm		
JARS-MAKE	: WESTERN	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	YES

COMMENTS

Comment

MISRUN
PACKER SEAT FAILURE
32 FEET OF DRILL PIPE IN ANCHOR

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

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: 2292.00

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

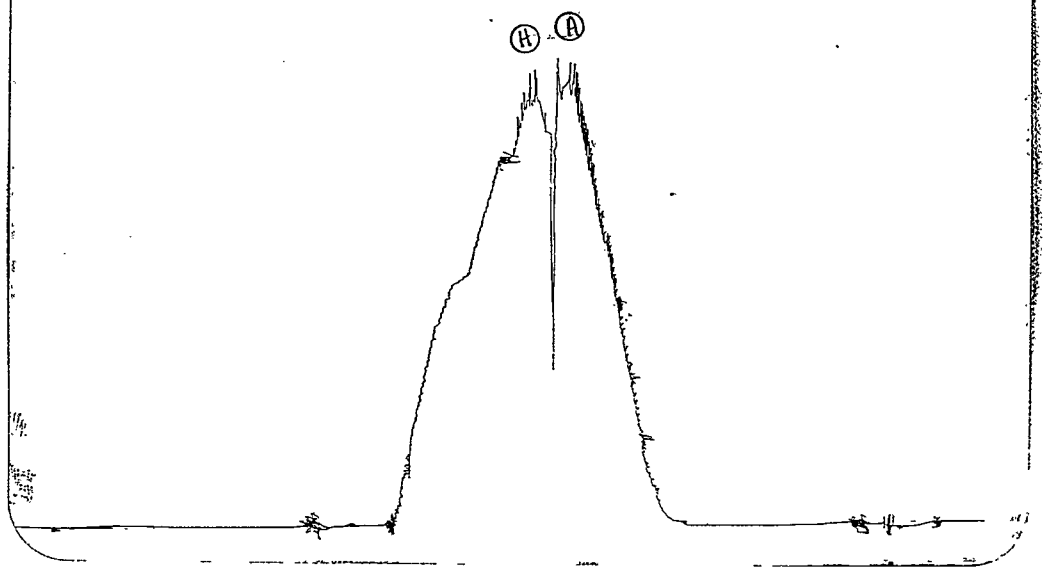
FINAL HYDROSTATIC PRESSURE: 2184.00

1562 #1
DST
Top

Ticket # 20611

(5)

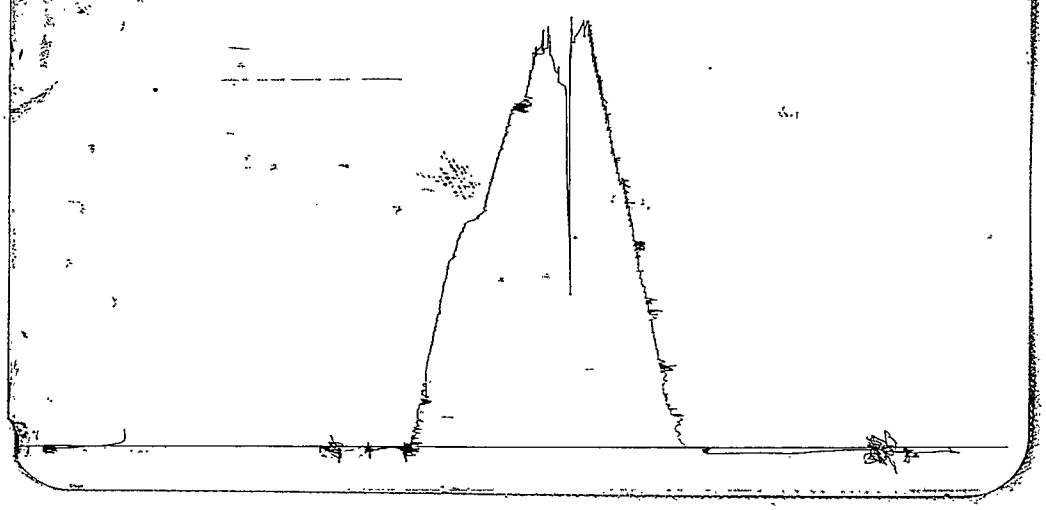
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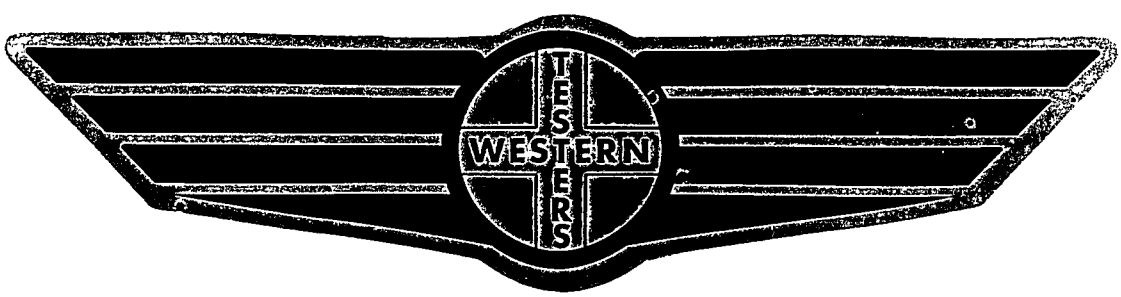
2605
DST #1
Bottom

Ticket # 20611

O



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY PETROLEUM PRODUCTION MANAGEMENT LEASE & WELL NO. #2 THORNBROUGH SEC. 16 TWP. 21S RGE. 35W TEST NO. 2 DATE 10/28/94

DST REPORT

GENERAL INFORMATION

DATE	: 10/28/94	TICKET	: 20612
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: THORNBROUGH
WELL	: #2 TEST: 2	GEOLOGIST	: BAKER
ELEVATION	: 3120KB	FORMATION	: MARMATON
SECTION	: 16	TOWNSHIP	: 21S
RANGE	: 35W COUNTY: KEARNEY	STATE	: KS
GAUGE SN#	: 1562 RANGE : 3900	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4377.00 ft TO: 4450.00 ft TVD: 4450.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4400.0 ft 4403.0 ft
TEMPERATURE: 126.0

DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3810.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	73.0 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:	4372.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4377.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: MURFIN DRLG RIG #3		
MUD TYPE	: STARCH	VISCOSITY :	43.00 cp
WEIGHT	: 9.400 ppg	WATER LOSS:	11.200 cc
CHLORIDES	: 26000 ppm		
JARS-MAKE	: WESTERN	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?	: NO

COMMENTS

Comment

INITIAL FLOW: VERY WEAK BLOW, DIED IN 25 MINUTES.
FINAL FLOW: NO BLOW.
32 FEET OF DRILL PIPE IN ANCHOR.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
25.0	0.0	0.0	0.0	100.0	MUD- CHLORIDES 33,000 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.1175 STB
WATER VOLUME: 0.0000 STB
TOTAL FLUID : 0.1175 STB

TOTAL FLOW TIME: 120.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2359.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	70.00	70.00
INITIAL SHUT-IN	60.00		130.00
FINAL FLOW	60.00	70.00	70.00
FINAL SHUT-IN	90.00		160.00

FINAL HYDROSTATIC PRESSURE: 2280.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2340.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	67.00	67.00
INITIAL SHUT-IN	54.00		120.00
FINAL FLOW	60.00	68.00	68.00
FINAL SHUT-IN	90.00		164.00

FINAL HYDROSTATIC PRESSURE: 2264.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/28/94	TICKET	: 20612
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: THORNBROUGH
WELL	: #2 TEST: 2	GEOLOGIST	: BAKER
ELEVATION	: 3120KB	FORMATION	: MARMATON
SECTION	: 16	TOWNSHIP	: 21S
RANGE	: 35W COUNTY: KEARNEY	STATE	: KS
GAUGE SN#	: 1562 RANGE : 3900	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	67.00	67.00
5.00	67.00	0.00
10.00	67.00	0.00
15.00	67.00	0.00
20.00	67.00	0.00
25.00	67.00	0.00
30.00	67.00	0.00
35.00	67.00	0.00
40.00	67.00	0.00
45.00	67.00	0.00
50.00	67.00	0.00
55.00	67.00	0.00
60.00	67.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	67.00	67.00	0.00
6.00	67.00	0.00	0.00
9.00	67.00	0.00	0.00
12.00	67.00	0.00	0.00
15.00	69.00	2.00	0.00
18.00	71.00	2.00	0.00
21.00	74.00	3.00	0.00
24.00	77.00	3.00	0.00
27.00	80.00	3.00	0.00
30.00	84.00	4.00	0.00
33.00	88.00	4.00	0.00
36.00	92.00	4.00	0.00
39.00	97.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
42.00	102.00	5.00	0.00
45.00	107.00	5.00	0.00
48.00	112.00	5.00	0.00
51.00	116.00	4.00	0.00
54.00	120.00	4.00	0.00

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	68.00	68.00	0.00
6.00	68.00	0.00	0.00
9.00	68.00	0.00	0.00
12.00	68.00	0.00	0.00
15.00	69.00	1.00	0.00
18.00	70.00	1.00	0.00
21.00	73.00	3.00	0.00
24.00	75.00	2.00	0.00
27.00	78.00	3.00	0.00
30.00	81.00	3.00	0.00
33.00	84.00	3.00	0.00
36.00	87.00	3.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

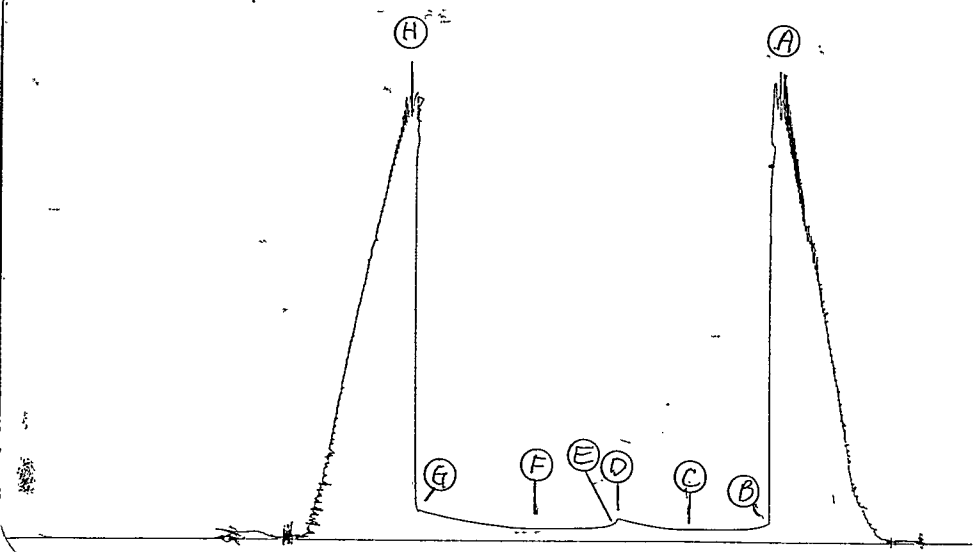
Time (min)	Pressure	Delta P	Horner T
39.00	90.00	3.00	0.00
42.00	93.00	3.00	0.00
45.00	96.00	3.00	0.00
48.00	98.00	2.00	0.00
51.00	101.00	3.00	0.00
54.00	105.00	4.00	0.00
57.00	109.00	4.00	0.00
60.00	112.00	3.00	0.00
63.00	116.00	4.00	0.00
66.00	120.00	4.00	0.00
69.00	125.00	5.00	0.00
72.00	130.00	5.00	0.00
75.00	134.00	4.00	0.00
78.00	137.00	3.00	0.00
81.00	142.00	5.00	0.00
84.00	149.00	7.00	0.00
87.00	157.00	8.00	0.00
90.00	164.00	7.00	0.00

1502
Tool
DST #2

(5)

Ticket # 20612

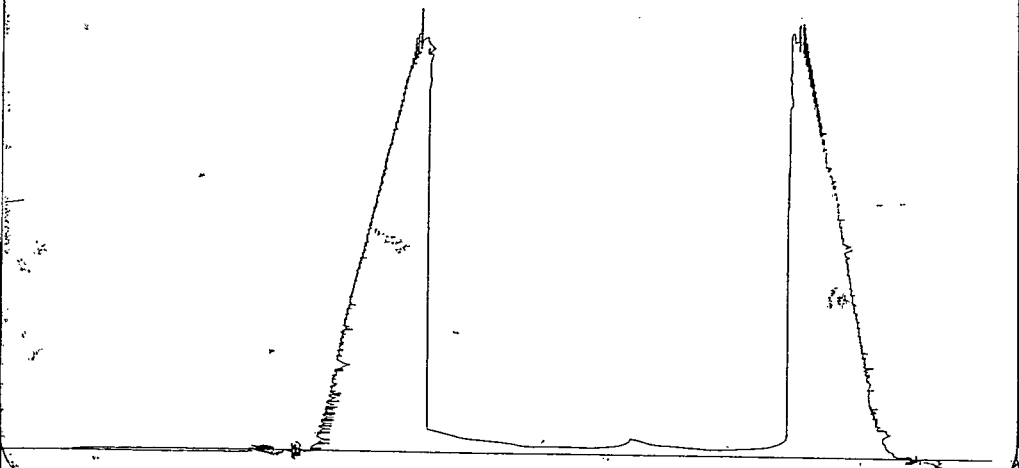
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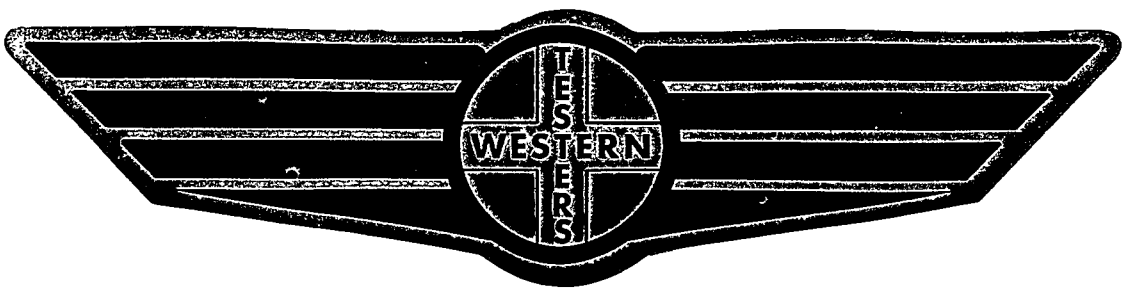
9605
Bottom
DST#2

Ticket # 20612

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FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY PETROLEUM PRODUCTION MANAGEMENT LEASE & WELL NO. #2 THORNBROUGH SEC. 16 TWP. 21S RGE. 35W TEST NO. 3 DATE 10/29/94

DST REPORT

GENERAL INFORMATION

DATE	: 10/29/94	TICKET	: 20613
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: THORNBROUGH
WELL	: #2 TEST: 3	GEOLOGIST	: BAKER
ELEVATION	: 3120KB	FORMATION	: BEYMER
SECTION	: 16	TOWNSHIP	: 21S
RANGE	: 35W COUNTY: KEARNEY	STATE	: KS
GAUGE SN#	: 1562 RANGE : 3900	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4506.00 ft TO: 4531.00 ft TVD: 4531.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4520.0 ft 4523.0 ft
TEMPERATURE: 128.0

DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3939.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	25.0 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:	4501.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4506.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: MURFIN DRLG RIG #3		
MUD TYPE	: STARCH	VISCOSITY :	46.00 cp
WEIGHT	: 9.500 ppg	WATER LOSS:	12.000 cc
CHLORIDES	: 30000 ppm		
JARS-MAKE	: WESTERN	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?	: NO

COMMENTS

Comment

INITIAL FLOW: VERY WEAK BLOW, DIED IN 31 MINUTES.
FINAL FLOW: NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
70.0	0.0	0.0	60.0	40.0	WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 47,000 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.1316 STB
WATER VOLUME: 0.1975 STB
TOTAL FLUID : 0.3291 STB

TOTAL FLOW TIME: 115.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 4.1208 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2438.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	50.00	50.00
INITIAL SHUT-IN	60.00		926.00
FINAL FLOW	60.00	80.00	80.00
FINAL SHUT-IN	90.00		936.00

FINAL HYDROSTATIC PRESSURE: 2330.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2399.00

Description	Duration	p1	p End
INITIAL FLOW	55.00	48.00	51.00
INITIAL SHUT-IN	57.00		931.00
FINAL FLOW	60.00	72.00	75.00
FINAL SHUT-IN	87.00		930.00

FINAL HYDROSTATIC PRESSURE: 2332.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/29/94
CUSTOMER : PETROLEUM PRODUCTION MGMT
WELL : #2 TEST: 3
ELEVATION: 3120KB
SECTION : 16
RANGE : 35W COUNTY: KEARNEY
GAUGE SN#: 1562 RANGE : 3900

TICKET : 20613
LEASE : THORNBROUGH
GEOLOGIST: BAKER
FORMATION: BEYMER
TOWNSHIP : 21S
STATE : KS
CLOCK : 12

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	49.00	1.00
30.00	49.00	0.00
35.00	49.00	0.00
40.00	50.00	1.00
45.00	50.00	0.00
50.00	51.00	1.00
55.00	51.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	118.00	118.00	0.00
6.00	430.00	312.00	0.00
9.00	667.00	237.00	0.00
12.00	750.00	83.00	0.00
15.00	788.00	38.00	0.00
18.00	811.00	23.00	0.00
21.00	835.00	24.00	0.00
24.00	850.00	15.00	0.00
27.00	865.00	15.00	0.00
30.00	876.00	11.00	0.00
33.00	887.00	11.00	0.00
36.00	895.00	8.00	0.00
39.00	903.00	8.00	0.00
42.00	909.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
45.00	915.00	6.00	0.00
48.00	920.00	5.00	0.00
51.00	925.00	5.00	0.00
54.00	928.00	3.00	0.00
57.00	931.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	72.00	72.00
5.00	72.00	0.00
10.00	72.00	0.00
15.00	72.00	0.00
20.00	72.00	0.00
25.00	72.00	0.00
30.00	72.00	0.00
35.00	73.00	1.00
40.00	73.00	0.00
45.00	74.00	1.00
50.00	74.00	0.00
55.00	75.00	1.00
60.00	75.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	153.00	153.00	0.00
6.00	420.00	267.00	0.00
9.00	644.00	224.00	0.00
12.00	718.00	74.00	0.00
15.00	758.00	40.00	0.00
18.00	784.00	26.00	0.00
21.00	803.00	19.00	0.00
24.00	820.00	17.00	0.00
27.00	834.00	14.00	0.00
30.00	847.00	13.00	0.00
33.00	856.00	9.00	0.00
36.00	865.00	9.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

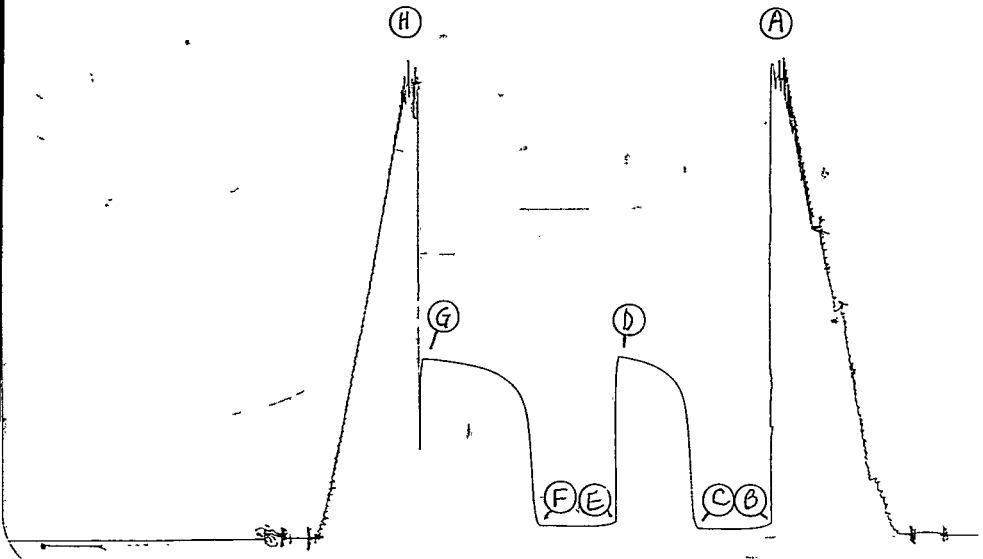
Time (min)	Pressure	Delta P	Horner T
39.00	873.00	8.00	0.00
42.00	881.00	8.00	0.00
45.00	886.00	5.00	0.00
48.00	891.00	5.00	0.00
51.00	896.00	5.00	0.00
54.00	900.00	4.00	0.00
57.00	903.00	3.00	0.00
60.00	907.00	4.00	0.00
63.00	911.00	4.00	0.00
66.00	915.00	4.00	0.00
69.00	917.00	2.00	0.00
72.00	920.00	3.00	0.00
75.00	923.00	3.00	0.00
78.00	926.00	3.00	0.00
81.00	928.00	2.00	0.00
84.00	929.00	1.00	0.00
87.00	930.00	1.00	0.00

1563
DST #3
TOP

5

Ticket # 20613

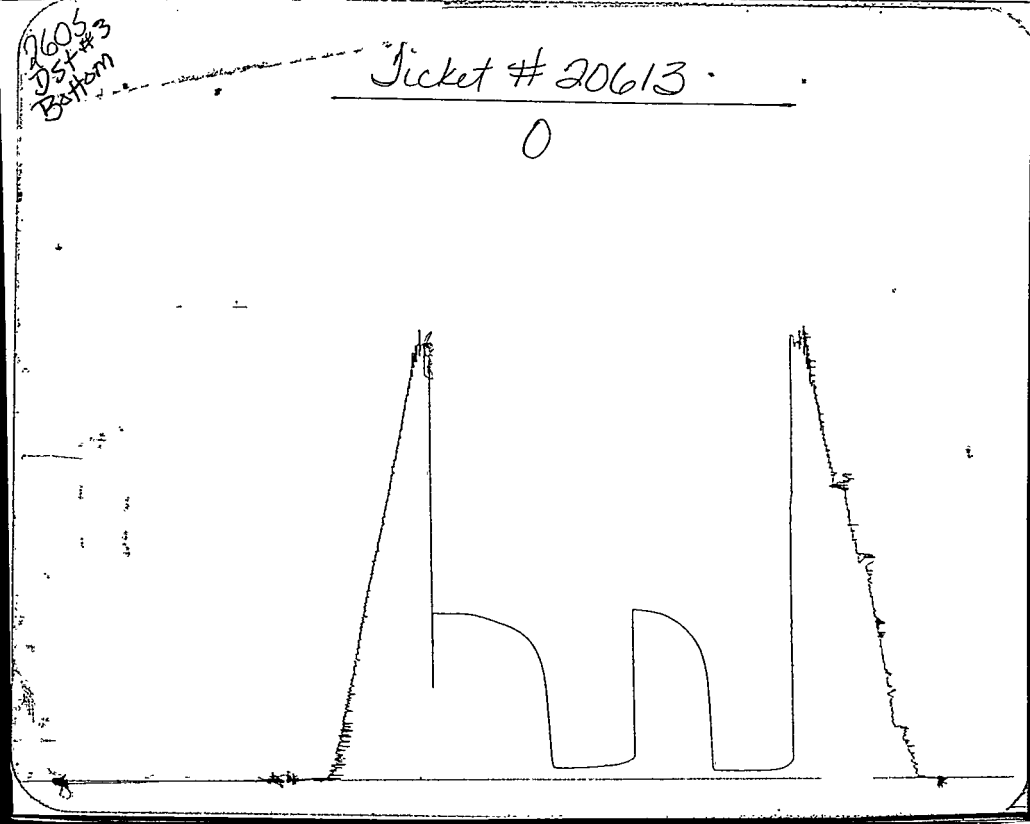
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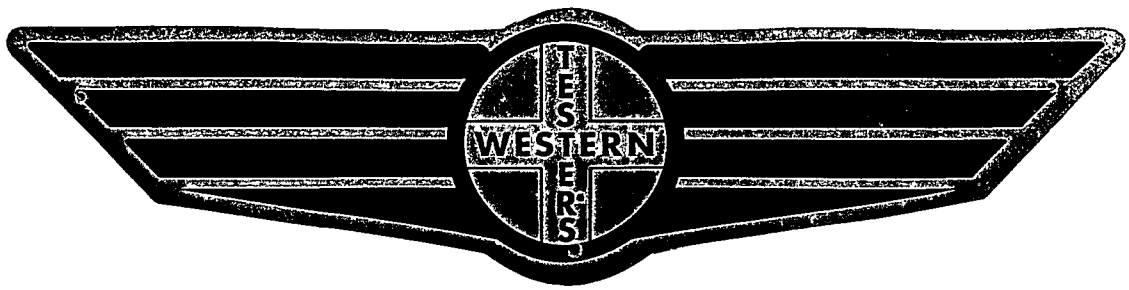
2605
DST #3
Bottom

Ticket # 20613

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FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY PETROLEUM PRODUCTION MANAGEMENT INC. & WELL NO. #2 THORNBROUGH SEC. 16 TWP. 21S RGE. 35W TEST NO. 4 DATE 10/30/94

DST REPORT

GENERAL INFORMATION

DATE	: 10/30/94	TICKET	: 20614
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: THORNBROUGH
WELL	: #2 TEST: 4	GEOLOGIST	: BAKER
ELEVATION	: 3120KB	FORMATION	: JOHNSON
SECTION	: 16	TOWNSHIP	: 21S
RANGE	: 35W COUNTY: KEARNEY	STATE	: KS
GAUGE SN#	: 1562 RANGE : 3900	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4536.00 ft TO: 4565.00 ft TVD: 4565.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4550.0 ft 4553.0 ft
TEMPERATURE: 128.0

DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3969.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	29.0 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:	4531.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4536.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: MURFIN DRLG RIG #3		
MUD TYPE	: STARCH	VISCOSITY :	50.00 cp
WEIGHT	: 9.500 ppg	WATER LOSS:	9.600 cc
CHLORIDES	: 25000 ppm		
JARS-MAKE	: WESTERN	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW: VERY WEAK BLOW, 1/4 INCH IN BUCKET.
FINAL FLOW: VERY WEAK BLOW, DIED IN 15 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
130.0	0.0	0.0	60.0	40.0	WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 67,500 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.2445 STB
WATER VOLUME: 0.3667 STB
TOTAL FLUID : 0.6112 STB

TOTAL FLOW TIME: 105.0000 min.
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 8.3818 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2418.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	50.00	60.00
INITIAL SHUT-IN	45.00		350.00
FINAL FLOW	60.00	80.00	90.00
FINAL SHUT-IN	90.00		360.00

FINAL HYDROSTATIC PRESSURE: 2369.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2418.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	52.00	62.00
INITIAL SHUT-IN	42.00		357.00
FINAL FLOW	60.00	78.00	88.00
FINAL SHUT-IN	90.00		360.00

FINAL HYDROSTATIC PRESSURE: 2368.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/30/94
CUSTOMER : PETROLEUM PRODUCTION MGMT
WELL : #2 TEST: 4
ELEVATION: 3120KB
SECTION : 16
RANGE : 35W COUNTY: KEARNEY
GAUGE SN#: 1562 RANGE : 3900

TICKET : 20614
LEASE : THORNBROUGH
GEOLOGIST: BAKER
FORMATION: JOHNSON
TOWNSHIP : 21S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	52.00	52.00
5.00	52.00	0.00
10.00	52.00	0.00
15.00	52.00	0.00
20.00	52.00	0.00
25.00	53.00	1.00
30.00	55.00	2.00
35.00	57.00	2.00
40.00	59.00	2.00
45.00	62.00	3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	139.00	139.00	0.00
6.00	263.00	124.00	0.00
9.00	294.00	31.00	0.00
12.00	311.00	17.00	0.00
15.00	322.00	11.00	0.00
18.00	333.00	11.00	0.00
21.00	337.00	4.00	0.00
24.00	341.00	4.00	0.00
27.00	345.00	4.00	0.00
30.00	348.00	3.00	0.00
33.00	351.00	3.00	0.00
36.00	353.00	2.00	0.00
39.00	355.00	2.00	0.00
42.00	357.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	78.00	78.00
5.00	78.00	0.00
10.00	78.00	0.00
15.00	78.00	0.00
20.00	78.00	0.00
25.00	78.00	0.00
30.00	79.00	1.00
35.00	80.00	1.00
40.00	81.00	1.00
45.00	83.00	2.00
50.00	85.00	2.00
55.00	87.00	2.00
60.00	88.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	155.00	155.00	0.00
6.00	260.00	105.00	0.00
9.00	292.00	32.00	0.00
12.00	305.00	13.00	0.00
15.00	317.00	12.00	0.00
18.00	324.00	7.00	0.00
21.00	332.00	8.00	0.00
24.00	336.00	4.00	0.00
27.00	340.00	4.00	0.00
30.00	343.00	3.00	0.00
33.00	345.00	2.00	0.00
36.00	346.00	1.00	0.00
39.00	348.00	2.00	0.00
42.00	350.00	2.00	0.00
45.00	352.00	2.00	0.00
48.00	353.00	1.00	0.00
51.00	354.00	1.00	0.00
54.00	355.00	1.00	0.00
57.00	355.00	0.00	0.00
60.00	356.00	1.00	0.00
63.00	356.00	0.00	0.00
66.00	357.00	1.00	0.00
69.00	357.00	0.00	0.00
72.00	357.00	0.00	0.00
75.00	358.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

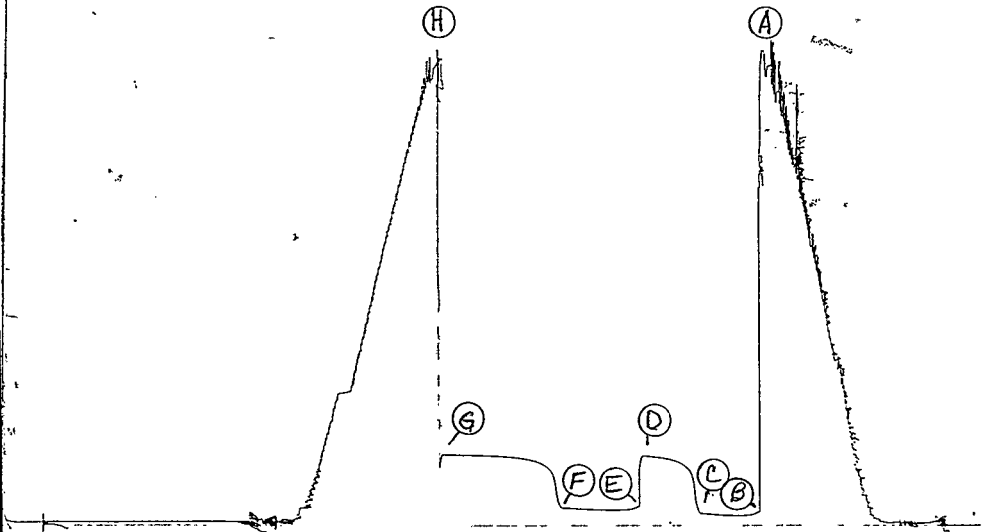
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
78.00	358.00	0.00	0.00
81.00	359.00	1.00	0.00
84.00	359.00	0.00	0.00
87.00	360.00	1.00	0.00
90.00	360.00	0.00	0.00

Ticket # 20614

5

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2605
DST #4
Bottom

Ticket # 20614

0

