

3-25-8w

ORIGINAL

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API#15-155-21323

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

FORMATION

TEST

REPORT

KCC

SEP 26

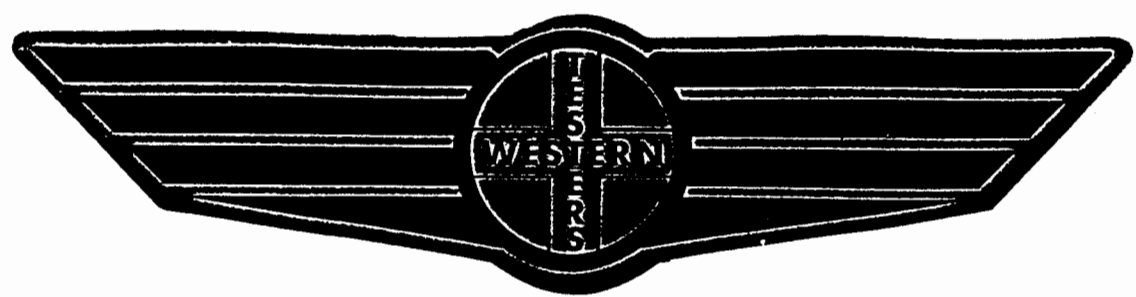
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COMPANY GRAND MESA OPERATING CO. LEASE & WELL. NO. STILL #1-3 SEC. 3 TWP 25S RGE. 8W TEST NO. 1 DATE 7/23/94

RECEIVED
STATE CORPORATION COMMISSION

SEP 28 1994

CONSERVATION DIVISION
WICHITA, KANSAS



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

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GENERAL INFORMATION

DATE : 7/23/94	TICKET : 19045
CUSTOMER : GRAND MESA OPERATING CO	LEASE : STULL
WELL : #1-3 TEST: 1	GEOLOGIST:
ELEVATION: 1595 GL	FORMATION: MISSISSIPPI
SECTION : 3	TOWNSHIP : 25S
RANGE : 8W COUNTY: RENO	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

SEP 2 6

WELL INFORMATION

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PERFORATION INTERVAL FROM: 3674.00 ft	TO: 3750.00 ft	TVD: 3750.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL	
DEPTH OF RECORDERS: 3677.0 ft	3680.0 ft	
TEMPERATURE: 122.0		

DRILL COLLAR LENGTH: 427.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3227.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 76.0 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: 3669.0 ft	SIZE:	6.630 in
PACKER DEPTH: 3674.0 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. : STERLING RIG 4	VISCOSITY : 51.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 9.600 cc
WEIGHT : 9.000 ppg	SERIAL NUMBER:
CHLORIDES : 4500 ppm	REVERSED OUT?: NO
JARS-MAKE :	RELEASED
DID WELL FLOW?: NO	

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COMMENTS

FROM CONFIDENTIAL

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 4 MINUTES.
FINAL FLOW PERIOD STRONG BLOW - NO GAS TO SURFACE.

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DST REPORT (CONTINUED)

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FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	540 FT GAS ABOVE FLUID
70.0	5.0	10.0	0.0	85.0	SLIGHTLY OIL CUT MUD

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RATE INFORMATION

SEP 2 6

OIL VOLUME:	0.0172 STB	TOTAL FLOW TIME:	100.00	CONFIDENTIAL
GAS VOLUME:	0.1933 SCF	AVERAGE OIL RATE:	4.4611 STB/D	
MUD VOLUME:	0.2926 STB	AVERAGE WATER RATE:	0.0000 STB/D	
WATER VOLUME:	0.0000 STB			
TOTAL FLUID :	0.3098 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1813.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	53.00	53.00
INITIAL SHUT-IN	60.00		268.00
FINAL FLOW	60.00	86.00	86.00
FINAL SHUT-IN	90.00		430.00

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FINAL HYDROSTATIC PRESSURE: 1813.00

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OFFICE TIME & PRESSURE INFORMATION

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INITIAL HYDROSTATIC PRESSURE: 1807.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	83.00	69.00
INITIAL SHUT-IN	51.00		267.00
FINAL FLOW	65.00	93.00	93.00
FINAL SHUT-IN	81.00		449.00

FINAL HYDROSTATIC PRESSURE: 1790.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/23/94	TICKET : 19045
CUSTOMER : GRAND MESA OPERATING CO	LEASE : STULL
WELL : #1-3 TEST: 1	GEOLOGIST:
ELEVATION: 1595 GL	FORMATION: MISSISSIPPI
SECTION : 3	TOWNSHIP : 25S
RANGE : 8W COUNTY: RENO	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	83.00	83.00
5.00	83.00	0.00
10.00	72.00	-11.00
15.00	69.00	-3.00
20.00	69.00	0.00
25.00	69.00	0.00
30.00	69.00	0.00
35.00	69.00	0.00

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INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	71.00	71.00	12.67
6.00	79.00	8.00	6.83
9.00	95.00	16.00	4.89
12.00	112.00	17.00	3.92
15.00	127.00	15.00	3.33
18.00	148.00	21.00	2.94
21.00	157.00	9.00	2.67
24.00	168.00	11.00	2.46
27.00	180.00	12.00	2.30
30.00	189.00	9.00	2.17
33.00	197.00	8.00	2.06
36.00	206.00	9.00	1.97
39.00	217.00	11.00	1.90
42.00	233.00	16.00	1.83
45.00	244.00	11.00	1.78
48.00	256.00	12.00	1.73
51.00	267.00	11.00	1.69

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	93.00	93.00
5.00	93.00	0.00
10.00	93.00	0.00
15.00	93.00	0.00
20.00	93.00	0.00
25.00	93.00	0.00
30.00	93.00	0.00
35.00	93.00	0.00
40.00	93.00	0.00
45.00	93.00	0.00
50.00	93.00	0.00
55.00	93.00	0.00
60.00	93.00	0.00
65.00	93.00	0.00

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FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	96.00	96.00	22.67
6.00	105.00	9.00	11.83
9.00	117.00	12.00	8.22
12.00	132.00	15.00	6.42
15.00	150.00	18.00	5.33
18.00	170.00	20.00	4.61
21.00	185.00	15.00	4.10
24.00	202.00	17.00	3.71
27.00	216.00	14.00	3.41
30.00	233.00	17.00	3.17
33.00	249.00	16.00	2.97
36.00	261.00	12.00	2.81
39.00	272.00	11.00	2.67
42.00	290.00	18.00	2.55
45.00	300.00	10.00	2.44
48.00	318.00	18.00	2.35
51.00	328.00	10.00	2.27
54.00	337.00	9.00	2.20
57.00	344.00	7.00	2.14
60.00	357.00	13.00	2.08
63.00	374.00	17.00	2.03
66.00	388.00	14.00	1.98
69.00	400.00	12.00	1.94
72.00	413.00	13.00	1.90

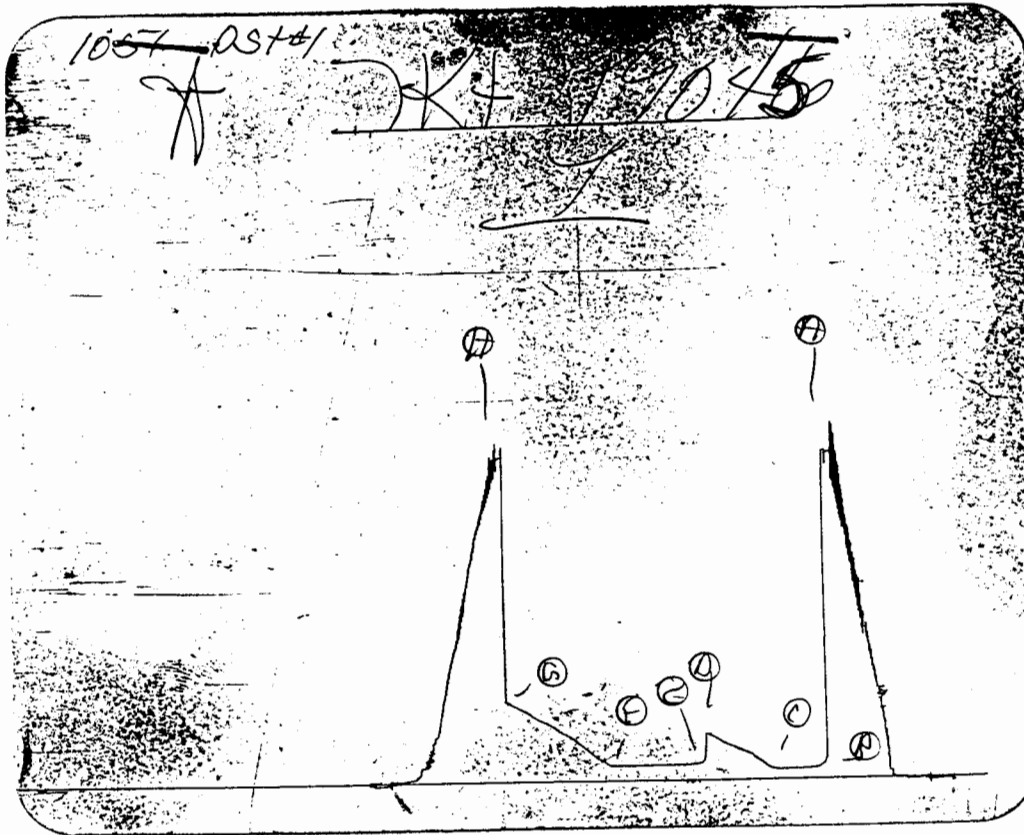
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
75.00	423.00	10.00	1.87
78.00	434.00	11.00	1.83
81.00	449.00	15.00	1.80

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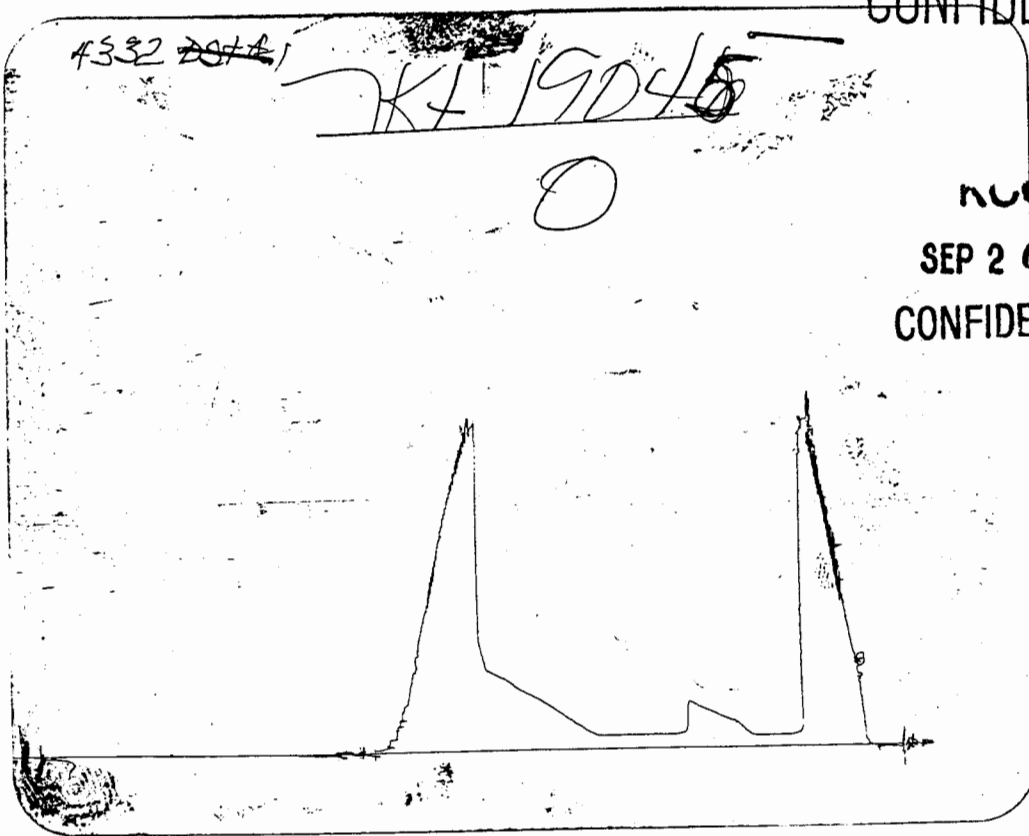


1057 DST#1

DKT 19045

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inside Recorder



4332 DST#1

DKT 19045

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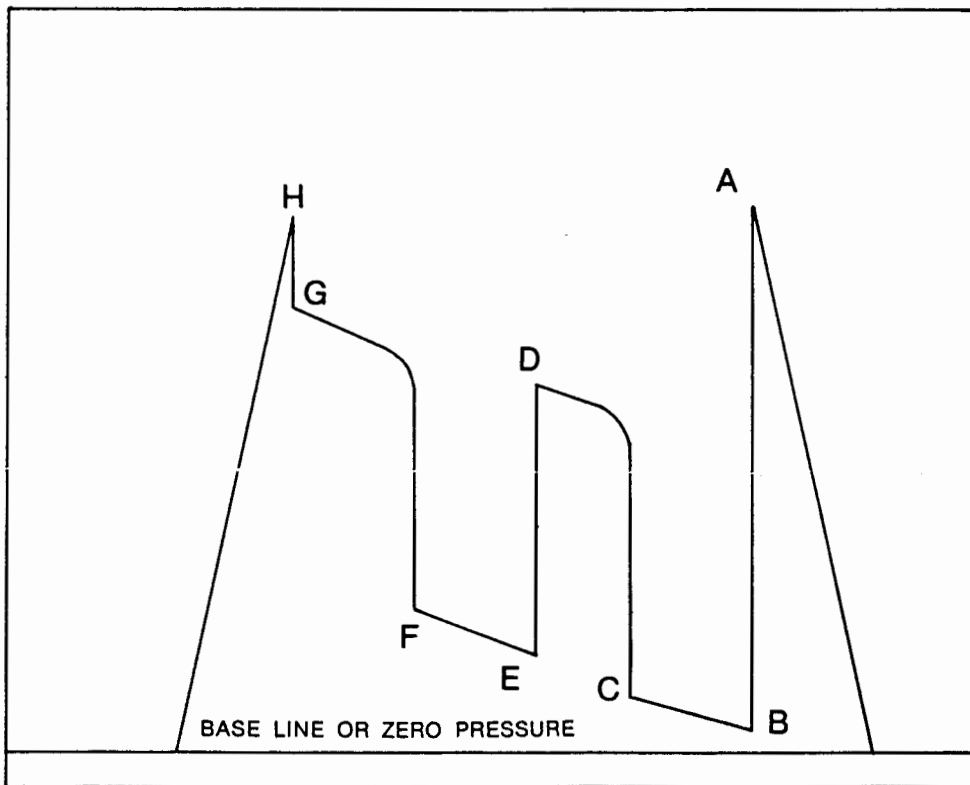
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Outside Recorder

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

AK-1 Recorders



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- | | |
|-------------------------|-------------------------|
| A - Initial Hydrostatic | E - Second Initial Flow |
| B - First Initial Flow | F - Second Final Flow |
| C - First Final Flow | G - Final Shut-In |
| D - Initial Shut-In | H - Final Hydrostatic |

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FORMATION

TEST

API #15-155-21323

REPORT

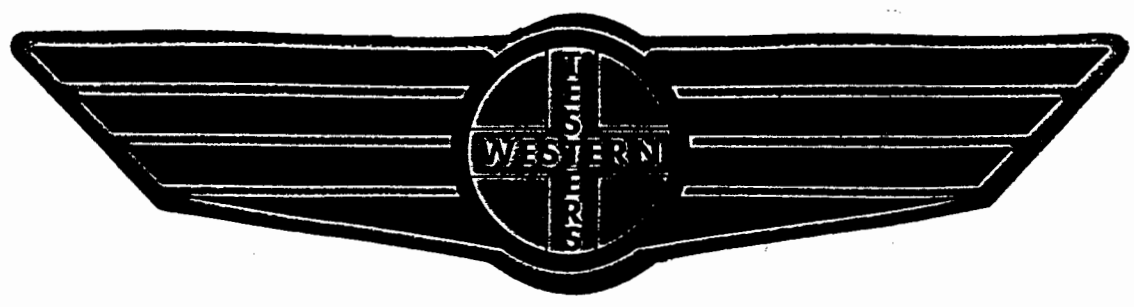
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STATE CORPORATION COMMISSION
SEP 28 1994
CONSERVATION DIVISION
WICHITA, KANSAS

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Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY GRAND MESA OPERATING CO LEASE & WELL NO. #1-3 STULL SEC. 3 TWP. 25S RGE. 8W TEST NO. 2 DATE 7/25/94

DST REPORT

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GENERAL INFORMATION

OCT 26 1995

DATE : 7/25/94
CUSTOMER : GRAND MESA OPERATING CO
WELL : #1-3 TEST: 2
ELEVATION: 1595 GL
SECTION : 3
RANGE : 8W COUNTY: RENO
GAUGE SN#: 1051 RANGE : 4250
TICKET : 19046
LEASE : STULL FROM CONFIDENTIAL
GEOLOGIST:
FORMATION: SIMPSON SAND
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4035.00 ft TO: 4070.00 ft TVD: 4070.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4057.0 ft 4060.0 ft
TEMPERATURE: 123.0

DRILL COLLAR LENGTH:	427.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3588.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 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:	4030.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4035.0 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. : STERLING RIG 4
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 4500 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 50.00 cp
WATER LOSS: 6.400 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK SURFACE BLOW - DIED
IN 25 MINUTES. FINAL FLOW PERIOD FEW BUBBLES &
DIED.

DST REPORT (CONTINUED)

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FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2.0	0.0	0.0	0.0	100.0	MUD

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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:	0.0098	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0098	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1974.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	53.00	32.00
INITIAL SHUT-IN	30.00		32.00
FINAL FLOW	30.00	32.00	32.00
FINAL SHUT-IN	30.00		32.00

FINAL HYDROSTATIC PRESSURE: 1974.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1988.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	69.00	51.00
INITIAL SHUT-IN	30.00		46.00
FINAL FLOW	30.00	46.00	43.00
FINAL SHUT-IN	30.00		43.00

FINAL HYDROSTATIC PRESSURE: 1956.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/25/94	TICKET : 19046
CUSTOMER : GRAND MESA OPERATING CO	LEASE : STULL
WELL : #1-3 TEST: 2	GEOLOGIST:
ELEVATION: 1595 GL	FORMATION: SIMPSON SAND
SECTION : 3	TOWNSHIP : 25S
RANGE : 8W COUNTY: RENO	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	69.00	69.00
5.00	57.00	-12.00
10.00	54.00	-3.00
15.00	54.00	0.00
20.00	53.00	-1.00
25.00	52.00	-1.00
30.00	51.00	-1.00

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INITIAL SHUT IN

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

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	46.00	46.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	46.00	0.00
10.00	46.00	0.00
15.00	46.00	0.00
20.00	45.00	-1.00
25.00	44.00	-1.00
30.00	43.00	-1.00

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FINAL SHUT IN

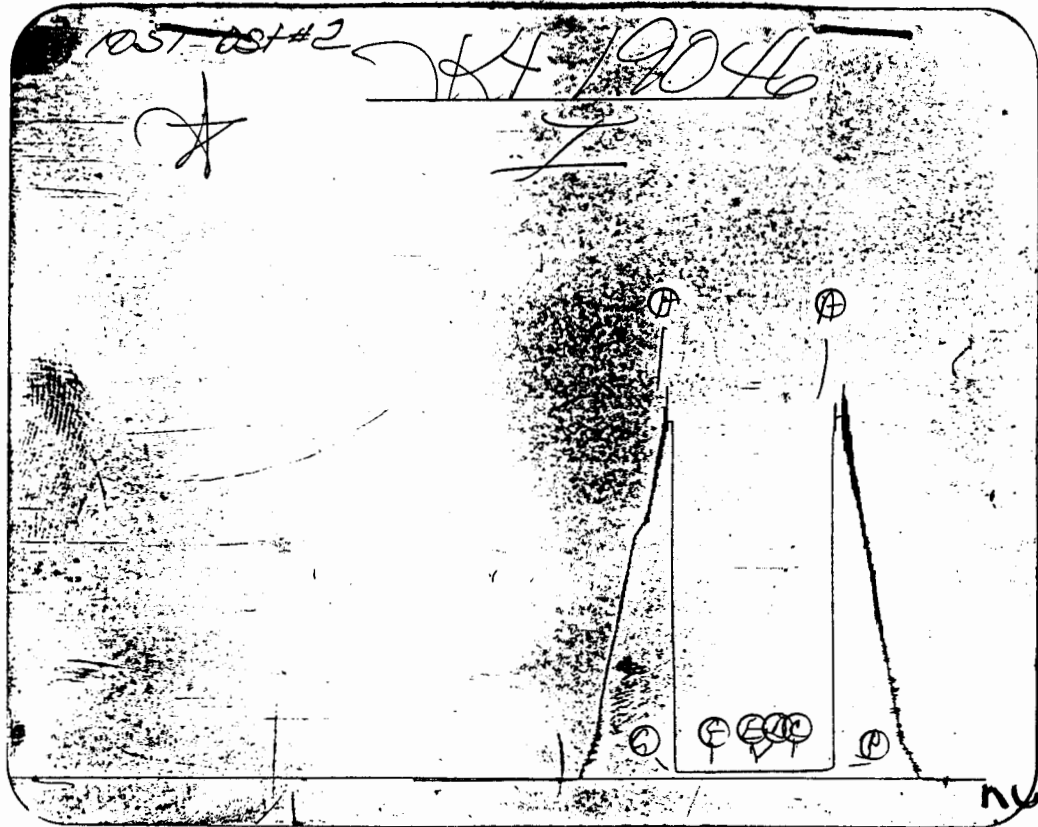
Time (min)	Pressure	Delta P	Horner T
3.00	43.00	43.00	0.00
6.00	43.00	0.00	0.00
9.00	43.00	0.00	0.00
12.00	43.00	0.00	0.00
15.00	43.00	0.00	0.00
18.00	43.00	0.00	0.00
21.00	43.00	0.00	0.00
24.00	43.00	0.00	0.00
27.00	43.00	0.00	0.00
30.00	43.00	0.00	0.00

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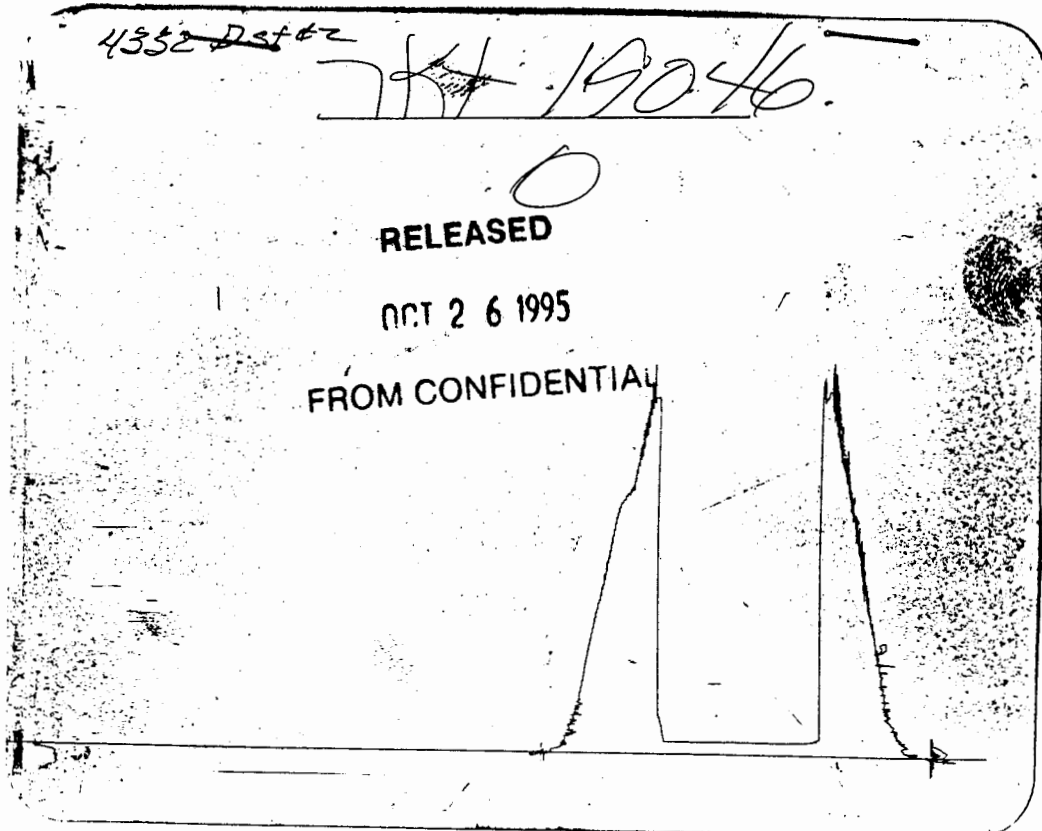


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Inside Recorder



Outside Recorder

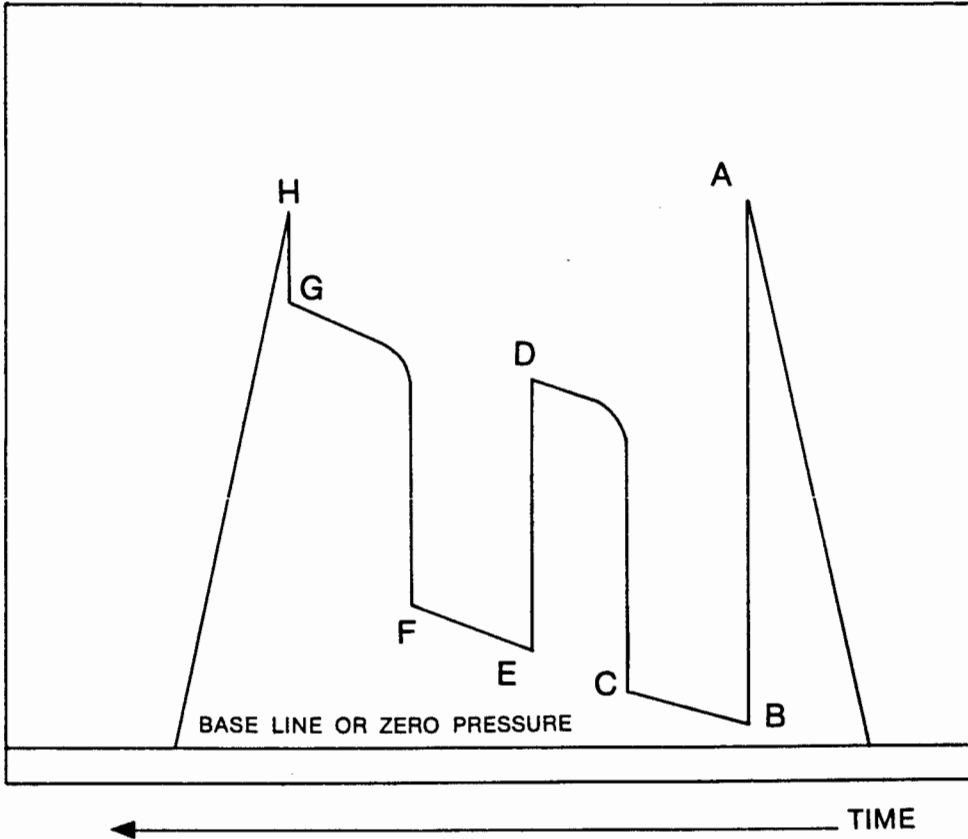
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COMPANY TERMS

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AK-1 Recorders



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- A - Initial Hydrostatic
- B - First Initial Flow
- C - First Final Flow
- D - Initial Shut-In

- E - Second Initial Flow
- F - Second Final Flow
- G - Final Shut-In
- H - Final Hydrostatic

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OCT 26 1995

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