



00550834

SCANNED

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

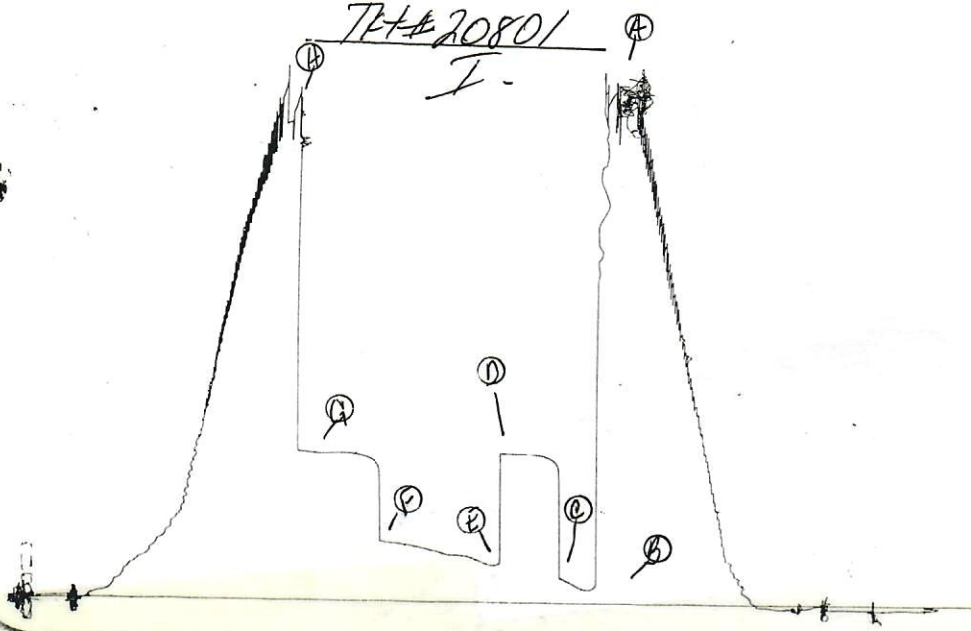
Phone (316) 262-5861

AM

2605
DST #3
TOP

9

TEL#20801
I.

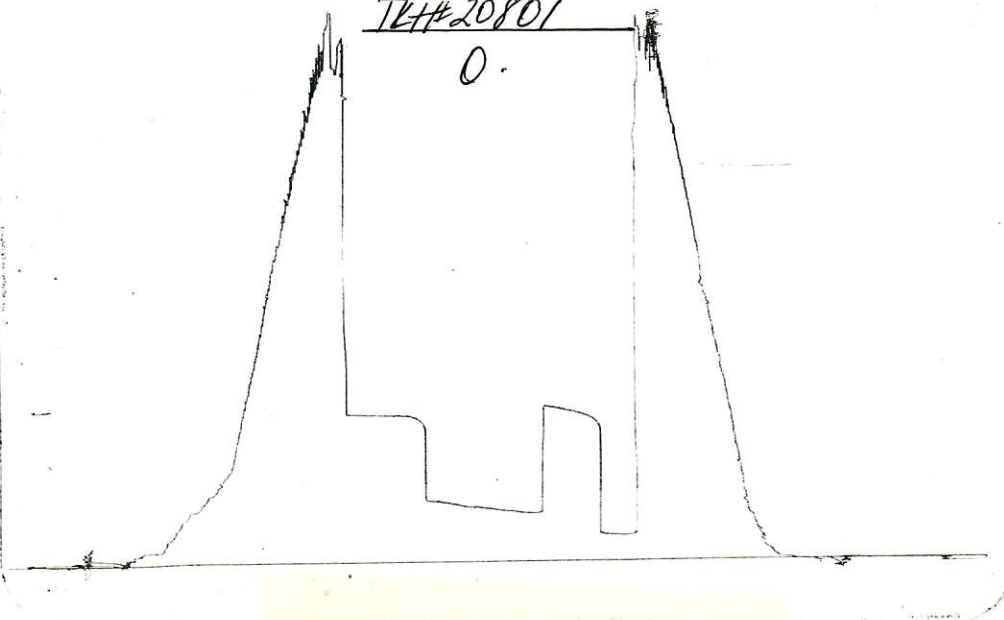


Inside Recorder

2659
DST #3
Bottom

9

TEL#20801
O.



Outside Recorder

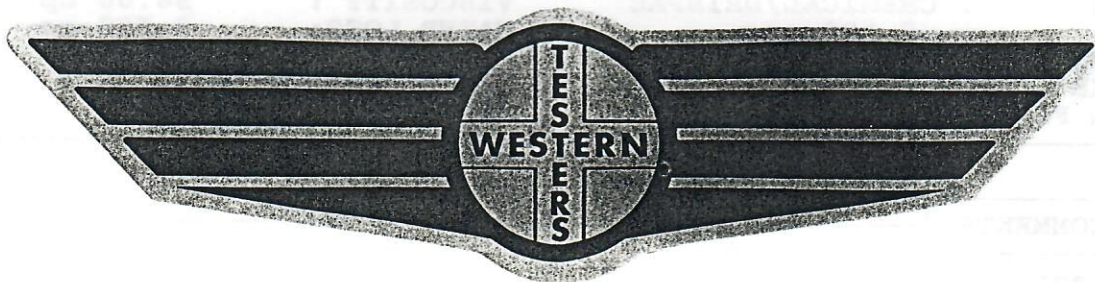
FORMATION TEST

REPORT

RECEIVED

JUL 22 1994

COLO. OIL & GAS COMM.



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 7/17/94	TICKET	: 20801
CUSTOMER	: MULL DRILLING CO., INC.	LEASE	: KLEPPER
WELL	: #5	TEST: 3	GEOLOGIST: MARTIN
ELEVATION	: 4316 KB	FORMATION	: SPERGEN
SECTION	: 32	TOWNSHIP	: 13S
RANGE	: 44W	COUNTY: CHEYENNE	STATE : CO
GAUGE SN#	: 2605	RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5394.00 ft TO: 5466.00 ft TVD: 5516.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5399.0 ft 5402.0 ft
TEMPERATURE: 140.0

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 :	4877.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	72.0 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:	5389.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5394.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5466.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. :	KUDU RIG 1	VISCOSITY :	56.00 cp
MUD TYPE :	CHEMICAL/DRISPAC	WATER LOSS:	9.600 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	421
CHLORIDES :	2500 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO FAIR 7 INCHES IN
BUCKET. FINAL FLOW PERIOD WEAK TO STRONG BLOW
OFF BOTTOM OF BUCKET IN 57 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

31 FT OF DRILL PIPE IN TAIL PIPE/31 FT OF DRILL
PIPE BETWEEN PACKERS/ALL DEPTHS OFF E LOG
RW .85 @ 70 DEGREES F

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	120 FT GAS ABOVE FLUID
45.0	100.0	0.0	0.0	0.0	FREE OIL
201.0	5.0	0.0	10.0	85.0	SL OIL CUT WATERY MUD
547.0	0.0	0.0	81.0	19.0	MUD CUT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 80000 PPM

RATE INFORMATION

OIL VOLUME: 0.7722 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 2.8974 STB
WATER VOLUME: 2.4178 STB
TOTAL FLUID : 6.0874 STB

TOTAL FLOW TIME: 120.0000 min.
AVERAGE OIL RATE: 18.8514 STB/D
AVERAGE WATER RATE: 54.1974 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2803.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	73.00	148.00
INITIAL SHUT-IN	45.00		829.00
FINAL FLOW	90.00	211.00	338.00
FINAL SHUT-IN	60.00		818.00

FINAL HYDROSTATIC PRESSURE: 2751.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2909.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	63.00	126.00
INITIAL SHUT-IN	45.00		804.00
FINAL FLOW	90.00	203.00	298.00
FINAL SHUT-IN	60.00		783.00
FINAL HYDROSTATIC PRESSURE: 2757.00			

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/17/94	TICKET	: 20801
CUSTOMER	: MULL DRILLING CO., INC.	LEASE	: KLEPPER
WELL	: #5	TEST:	3
ELEVATION:	4316 KB	GEOLOGIST:	MARTIN
SECTION	: 32	FORMATION:	SPERGEN
RANGE	: 44W	COUNTY:	CHEYENNE
GAUGE SN#:	2605	TOWNSHIP	: 13S
		STATE	: CO
		RANGE	: 4150
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	63.00	63.00
5.00	63.00	0.00
10.00	73.00	10.00
15.00	90.00	17.00
20.00	109.00	19.00
25.00	116.00	7.00
30.00	126.00	10.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	735.00	735.00	11.00
6.00	773.00	38.00	6.00
9.00	785.00	12.00	4.33
12.00	794.00	9.00	3.50
15.00	800.00	6.00	3.00
18.00	801.00	1.00	2.67
21.00	804.00	3.00	2.43
24.00	804.00	0.00	2.25
27.00	804.00	0.00	2.11
30.00	804.00	0.00	2.00
33.00	804.00	0.00	1.91
36.00	804.00	0.00	1.83
39.00	804.00	0.00	1.77
42.00	804.00	0.00	1.71
45.00	804.00	0.00	1.67

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	203.00	203.00
5.00	203.00	0.00
10.00	203.00	0.00
15.00	224.00	21.00
20.00	237.00	13.00
25.00	239.00	2.00
30.00	239.00	0.00
35.00	239.00	0.00
40.00	254.00	15.00
45.00	260.00	6.00
50.00	271.00	11.00
55.00	279.00	8.00
60.00	288.00	9.00
65.00	294.00	6.00
70.00	298.00	4.00
75.00	298.00	0.00
80.00	298.00	0.00
85.00	298.00	0.00
90.00	298.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	717.00	717.00	31.00
6.00	730.00	13.00	16.00
9.00	760.00	30.00	11.00
12.00	771.00	11.00	8.50
15.00	783.00	12.00	7.00
18.00	783.00	0.00	6.00
21.00	783.00	0.00	5.29
24.00	783.00	0.00	4.75
27.00	783.00	0.00	4.33
30.00	783.00	0.00	4.00
33.00	783.00	0.00	3.73
36.00	783.00	0.00	3.50
39.00	783.00	0.00	3.31
42.00	783.00	0.00	3.14
45.00	783.00	0.00	3.00
48.00	783.00	0.00	2.88
51.00	783.00	0.00	2.76
54.00	783.00	0.00	2.67
57.00	783.00	0.00	2.58

PRESSURE TRANSIENT REPORT (CONTINUED)

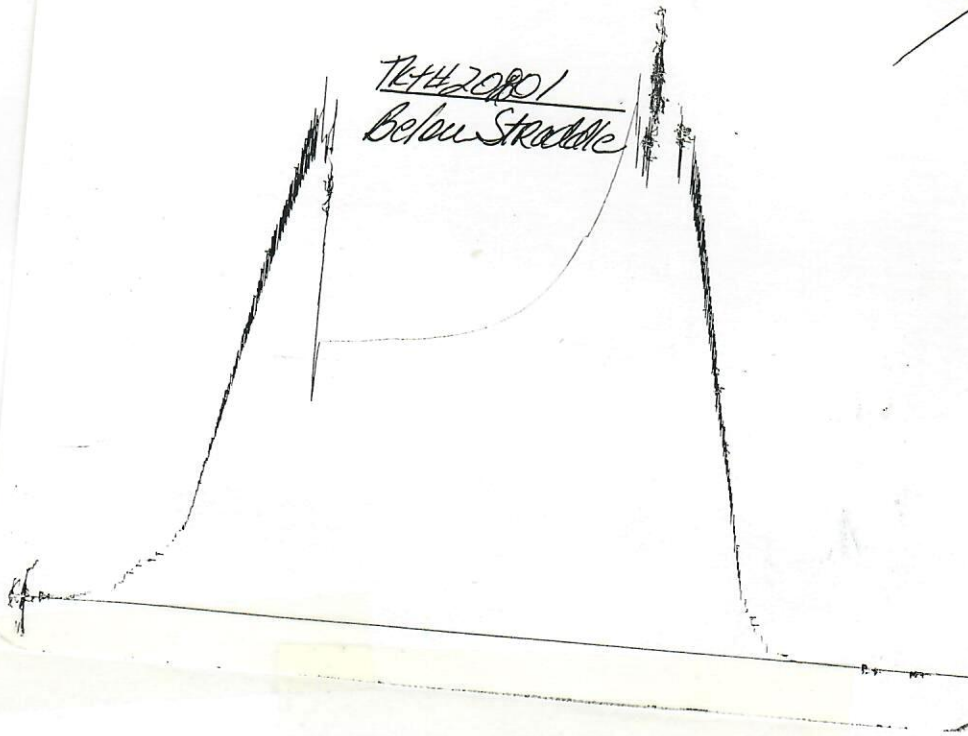
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	783.00	0.00	2.50

30.
DST to
STRADOLE

TK420001
Below Straddle

9



20'00

162'00

0'00

3'20

(MID)
LINE

RECEIVED

DEPT 2

RECEIVED 1

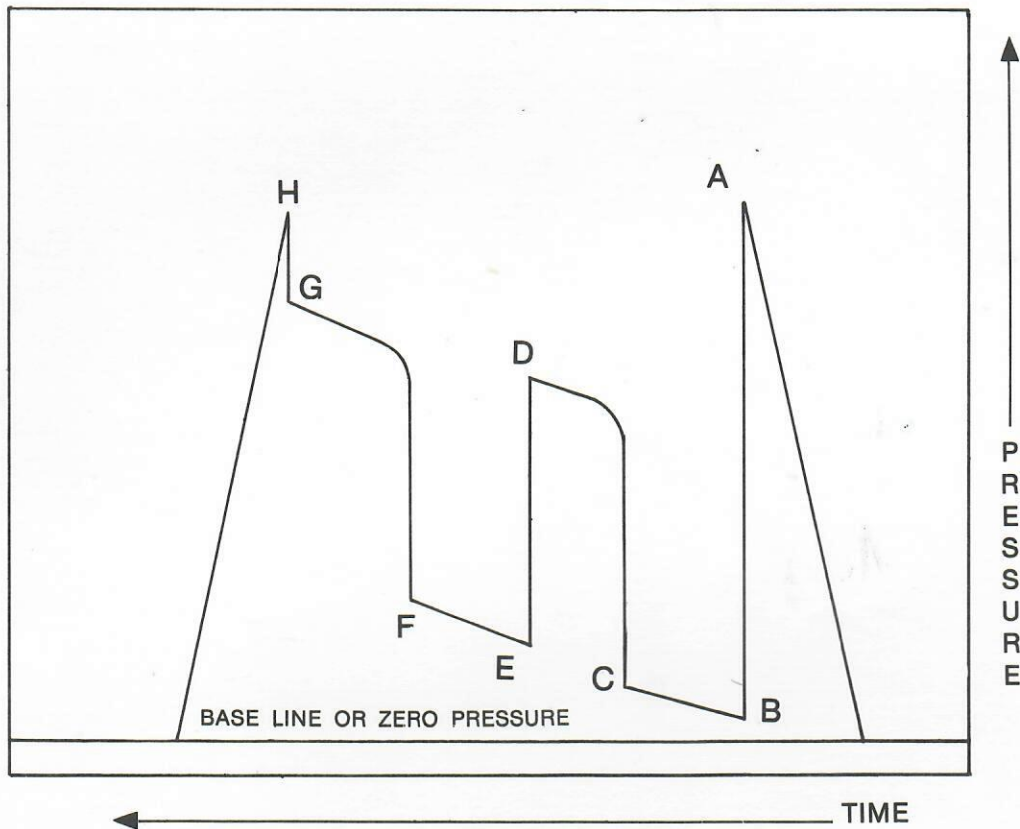
ALIVE SHAL IN (CONTINUED)

RECEIVED DEPARTMENT 2 (CONTINUED)

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



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