



SCANNED

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

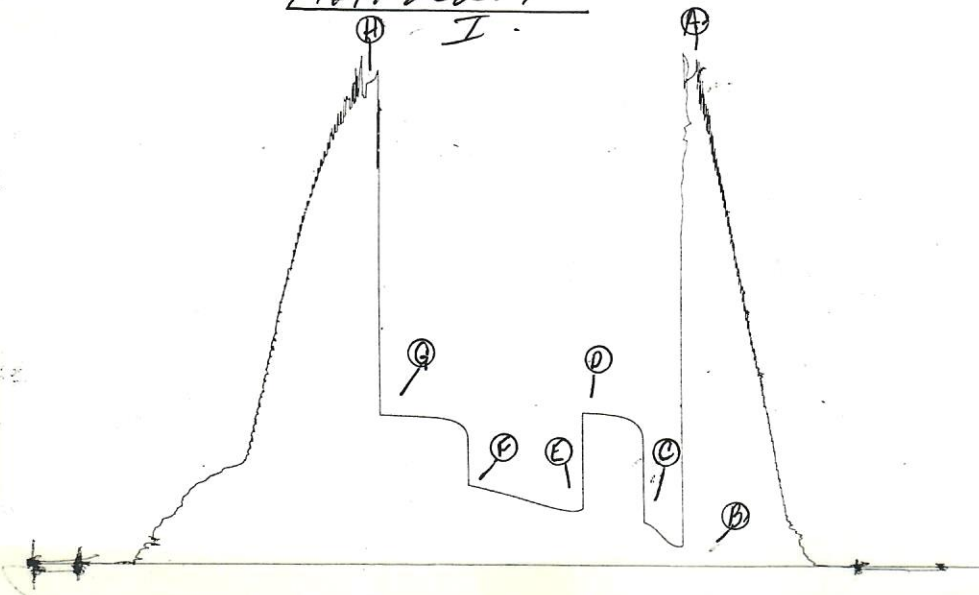
P.O. Box 1599

Phone (316) 262-5861

2605
D5t #2
Top

TK# 20299
I.

9

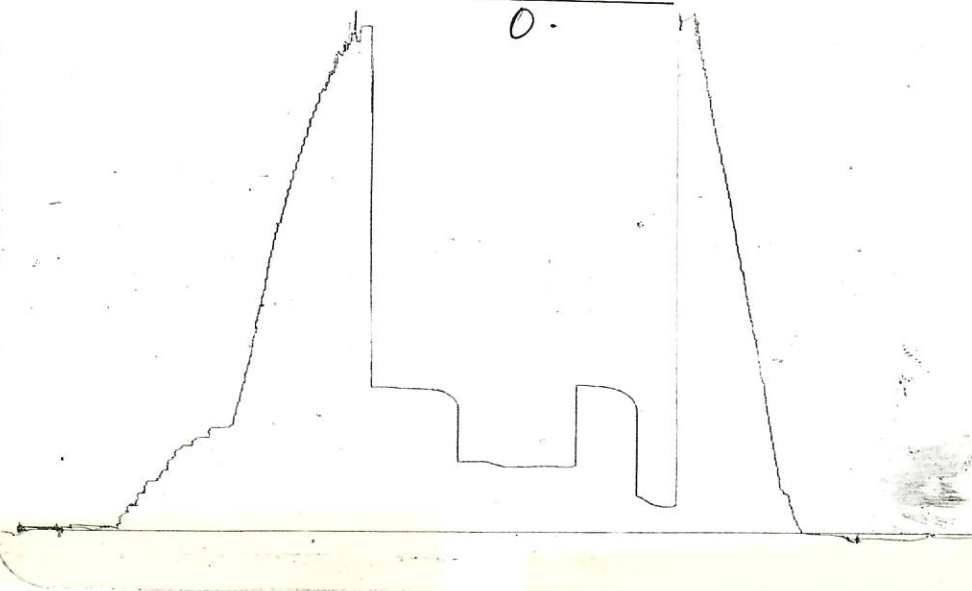


Inside Recorder

3654
D5t #2
Bottom

TK# 20299
O.

9



Outside Recorder

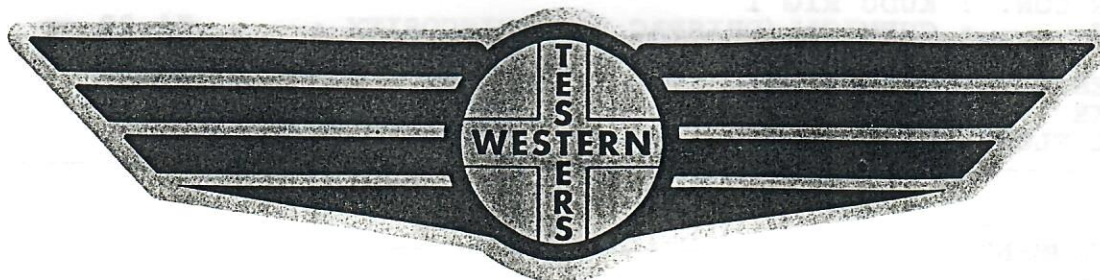
TEST

RECEIVED

JUL 22 1994

COLO. and the other states. WMM.

REPORT



Wichita, Kansas 67201

Phone 1-800-688-0021

DST REPORT

GENERAL INFORMATION

DATE	: 7/15/94	TICKET	: 20299
CUSTOMER	: MULL DRILLING CO., INC.	LEASE	: KLEPPER
WELL	: #5	TEST:	2
ELEVATION:	4316 KB	GEOLOGIST:	MARTIN
SECTION	: 32	FORMATION:	SPERGEN
RANGE	: 44W	TOWNSHIP	: 13S
GAUGE SN#:	2605	STATE	: CO
	COUNTY: CHEYENNE	CLOCK	: 12
	RANGE : 4150		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5418.00 ft	TO:	5495.00 ft	TVD:	5495.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5425.0 ft		5428.0 ft		
TEMPERATURE:	142.0				
DRILL COLLAR LENGTH:	516.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	4875.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	77.0 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:	5413.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	5418.0 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. :	KUDU RIG 1	VISCOSITY :	74.00 cp
MUD TYPE :	CHEMICAL/DRISPAC	WATER LOSS:	8.000 cc
WEIGHT :	9.300 ppg		
CHLORIDES :	2000 ppm	SERIAL NUMBER:	421
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO STRONG BLOW OFF BOTTOM
OF BUCKET IN 13 MINUTES. FINAL FLOW PERIOD WEAK
TO STRONG BLOW OFF BOTTOM OF BUCKET IN 18 MINUTES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

31 FT OF DRILL COLLAR IN ANCHOR
RW .9 @ 60 DEGREES F

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	250 FT GAS ABOVE FLUID
20.0	100.0	0.0	0.0	0.0	FREE OIL
372.0	6.0	0.0	31.0	63.0	SL OIL & WTR CUT MUD
124.0	0.0	0.0	90.0	10.0	MUD CUT WATER W/TRACE OIL
0.0	0.0	0.0	0.0	0.0	LESS THAN 1% OIL
516.0	0.0	0.0	93.0	7.0	SL MUD CUT WATER W/ TRACE
0.0	0.0	0.0	0.0	0.0	OF OIL - LESS THAN 1% OIL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 82000 PPM

RATE INFORMATION

OIL VOLUME:	0.5936 STB	
GAS VOLUME:	0.0000 SCF	
MUD VOLUME:	3.6310 STB	
WATER VOLUME:	5.4389 STB	
TOTAL FLUID :	9.6635 STB	
		TOTAL FLOW TIME: 120.0000 min.
		AVERAGE OIL RATE: 13.5199 STB/D
		AVERAGE WATER RATE: 102.4421 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2772.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	105.00	232.00
INITIAL SHUT-IN	45.00		818.00
FINAL FLOW	90.00	296.00	423.00
FINAL SHUT-IN	60.00		798.00

FINAL HYDROSTATIC PRESSURE: 2666.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2772.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	105.00	237.00
INITIAL SHUT-IN	45.00		823.00
FINAL FLOW	90.00	292.00	430.00
FINAL SHUT-IN	60.00		802.00

FINAL HYDROSTATIC PRESSURE: 2761.00

OFFICE TIME & PRESSURE INFORMATION

2772.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/15/94	TICKET	: 20299
CUSTOMER	: MULL DRILLING CO., INC.	LEASE	: KLEPPER
WELL	: #5	GEOLOGIST	: MARTIN
ELEVATION	: 4316 KB	FORMATION	: SPERGEN
SECTION	: 32	TOWNSHIP	: 13S
RANGE	: 44W	STATE	: CO
GAUGE SN#	: 2605	CLOCK	: 12
	COUNTY: CHEYENNE		
	RANGE : 4150		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	105.00	105.00
5.00	126.00	21.00
10.00	137.00	11.00
15.00	160.00	23.00
20.00	201.00	41.00
25.00	226.00	25.00
30.00	237.00	11.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	748.00	748.00	11.00
6.00	769.00	21.00	6.00
9.00	785.00	16.00	4.33
12.00	798.00	13.00	3.50
15.00	806.00	8.00	3.00
18.00	810.00	4.00	2.67
21.00	814.00	4.00	2.43
24.00	816.00	2.00	2.25
27.00	818.00	2.00	2.11
30.00	820.00	2.00	2.00
33.00	822.00	2.00	1.91
36.00	823.00	1.00	1.83
39.00	823.00	0.00	1.77
42.00	823.00	0.00	1.71
45.00	823.00	0.00	1.67

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	292.00	292.00
5.00	301.00	9.00
10.00	310.00	9.00
15.00	319.00	9.00
20.00	328.00	9.00
25.00	337.00	9.00
30.00	346.00	9.00
35.00	355.00	9.00
40.00	364.00	9.00
45.00	373.00	9.00
50.00	382.00	9.00
55.00	391.00	9.00
60.00	400.00	9.00
65.00	409.00	9.00
70.00	418.00	9.00
75.00	426.00	8.00
80.00	428.00	2.00
85.00	429.00	1.00
90.00	430.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	748.00	748.00	31.00
6.00	767.00	19.00	16.00
9.00	777.00	10.00	11.00
12.00	783.00	6.00	8.50
15.00	787.00	4.00	7.00
18.00	792.00	5.00	6.00
21.00	802.00	10.00	5.29
24.00	802.00	0.00	4.75
27.00	802.00	0.00	4.33
30.00	802.00	0.00	4.00
33.00	802.00	0.00	3.73
36.00	802.00	0.00	3.50
39.00	802.00	0.00	3.31
42.00	802.00	0.00	3.14
45.00	802.00	0.00	3.00
48.00	802.00	0.00	2.88
51.00	802.00	0.00	2.76
54.00	802.00	0.00	2.67
57.00	802.00	0.00	2.58

PRESSURE TRANSIENT REPORT (CONTINUED)

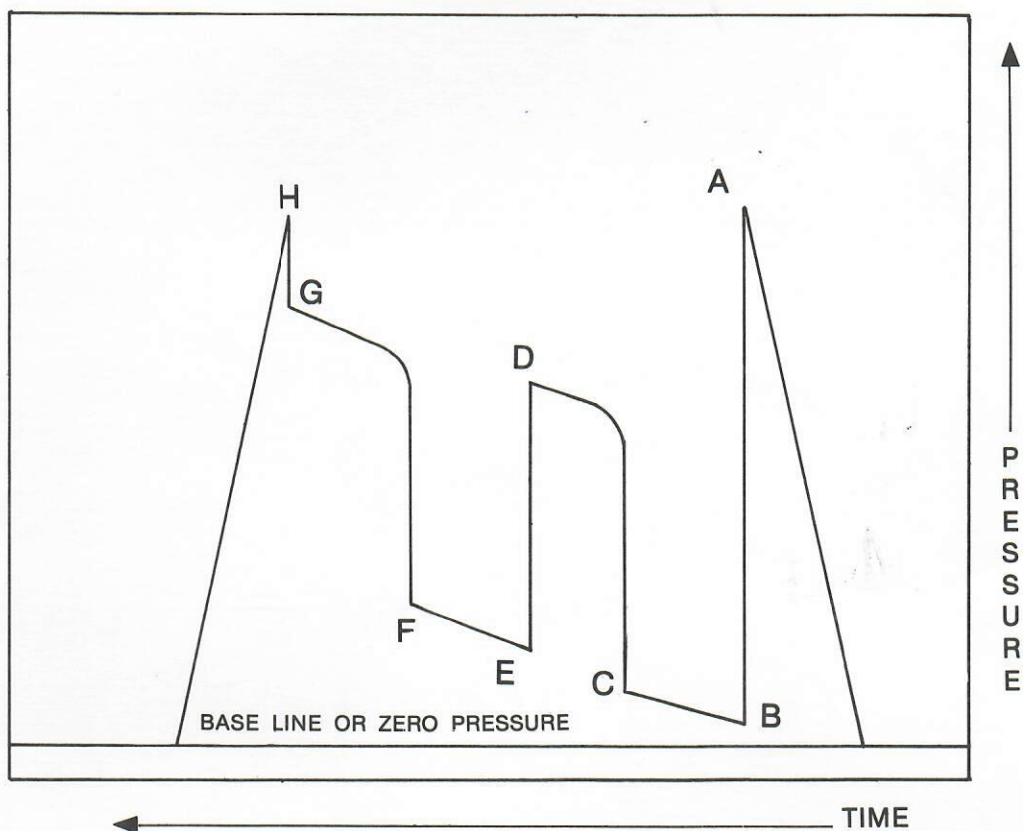
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	802.00	0.00	2.50

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