

15-159-22376

TRILOBITE TESTING L.L.C.

30-19s-6w

OPERATOR : North American Drilling DATE 04/20/200
 WELL NAME: Whiteman #1 KB 1654.00 ft TICKET NO: 12100 DST #1
 LOCATION : 30-19s-6w Rice co KS GR 1649.00 ft FORMATION: Cherokee sd.
 INTERVAL : 3226.00 To 3256.00 ft TD 3256.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10991	10991	2350			PF Fr. 1200 to 1245 hr
SI 30 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1245 to 1315 hr
SF 75 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1315 to 1430 hr
FS 30 Depth(ft)	3253.0	3253.0	3235.0	0.0	0.0	FS Fr. 1430 to 1500 hr

	Field	1	2	3	4	
A. Init Hydro	1618.0	1619.0	1652.0	0.0	0.0	T STARTED 1015 hr
B. First Flow	21.0	7.0	26.0	0.0	0.0	T ON BOTM 1157 hr
B1. Final Flow	21.0	12.0	56.0	0.0	0.0	T OPEN 1200 hr
C. In Shut-in	1130.0	1137.0	1190.0	0.0	0.0	T PULLED 1500 hr
D. Init Flow	32.0	14.0	43.0	0.0	0.0	T OUT 1630 hr
E. Final Flow	32.0	14.0	64.0	0.0	0.0	
F. Fl Shut-in	1130.0	1133.0	1181.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1587.0	1584.0	1622.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 42000.00 lbs
						Initial Str Wt 37000.00 lbs
						Unseated Str Wt 38000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3221.00 ft

RECOVERY

Tot Fluid 58.00 ft of 0.00 ft in DC and 58.00 ft in DP
 3163.00 ft of Gas in pipe.
 58.00 ft of Very slightly gas cut mud
 0.00 ft of 2% gas 98% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 20 seconds. Gas to surface in 8 mintues. Gauge gas.

Initial Shut-In:
 Bled down for 5 minutes. No blow back

Final Flow:
 Strong blow bottom of bucket in 10 seconds. Gauge gas.

Final Shut-In:
 Bled down for 10 minutes. No blow back.

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.50 lb/cf
 Vis. 46.00 S/L
 W.L. 8.00 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 101.00 F
 Hole Condition Fair
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren L.Amerine
 Co. Rep. Marvin Frankamp
 Contr. L.D.Drilling
 Rig # 1
 Unit # none
 Pump T. none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Whiteman #1

LOCATION : 30-19s-6w Rice co KS

TICKET No. 12100 D.S.T. No. 1 DATE 04/20/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

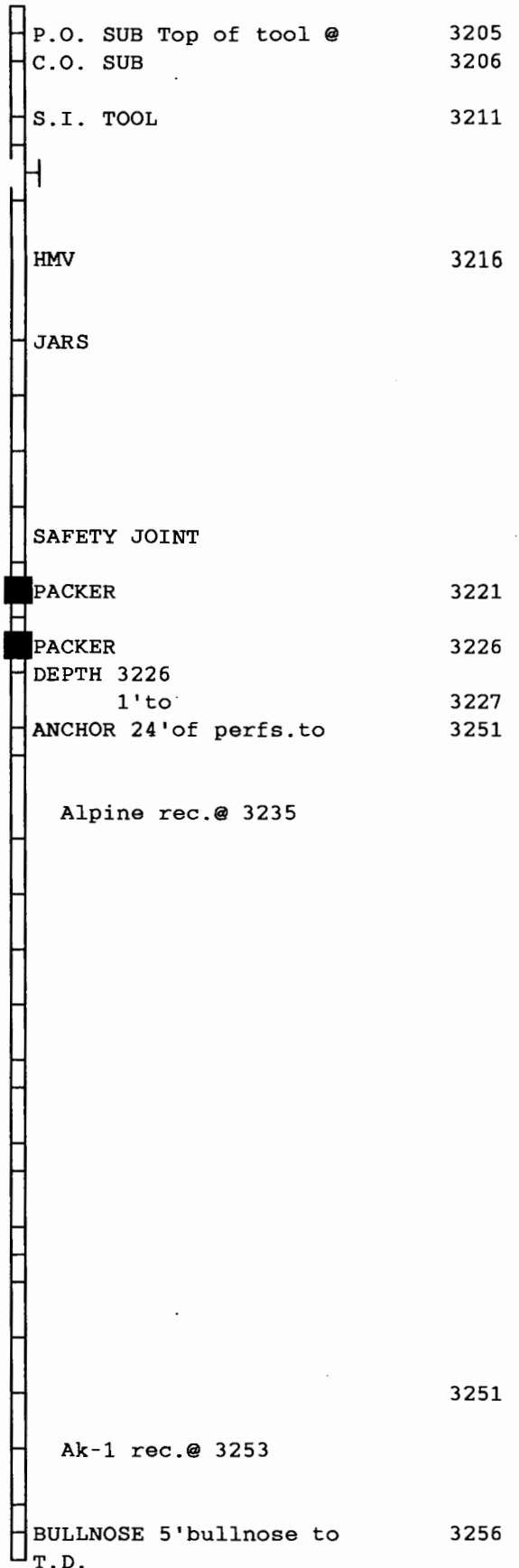
D.P. ABOVE TOOLS.Stands52 Single Total 3221

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3272

TOTAL DEPTH 3256

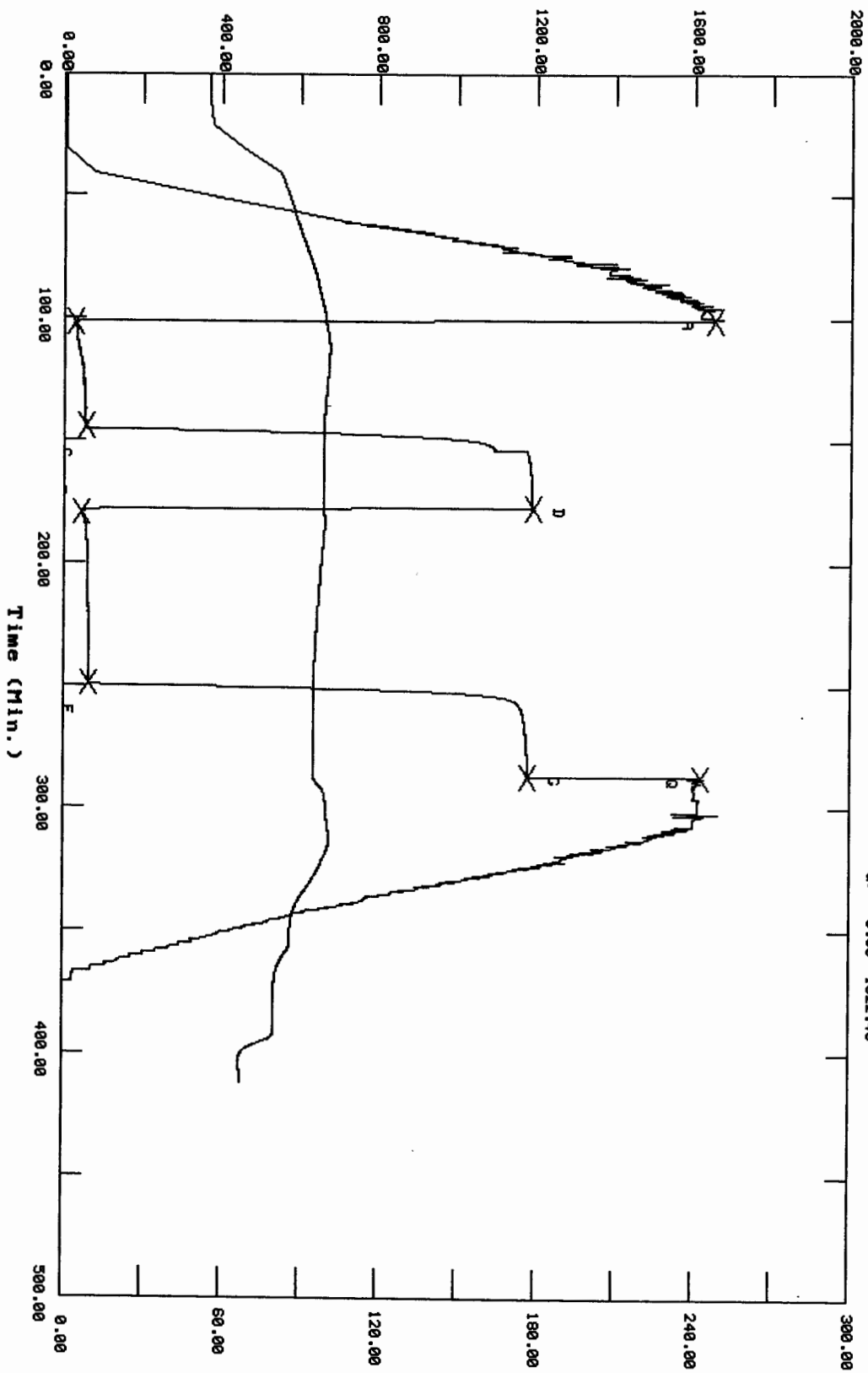
TOTAL DRILL PIPE ABOVE K.B. 16

REMARKS:



TEST HISTORY

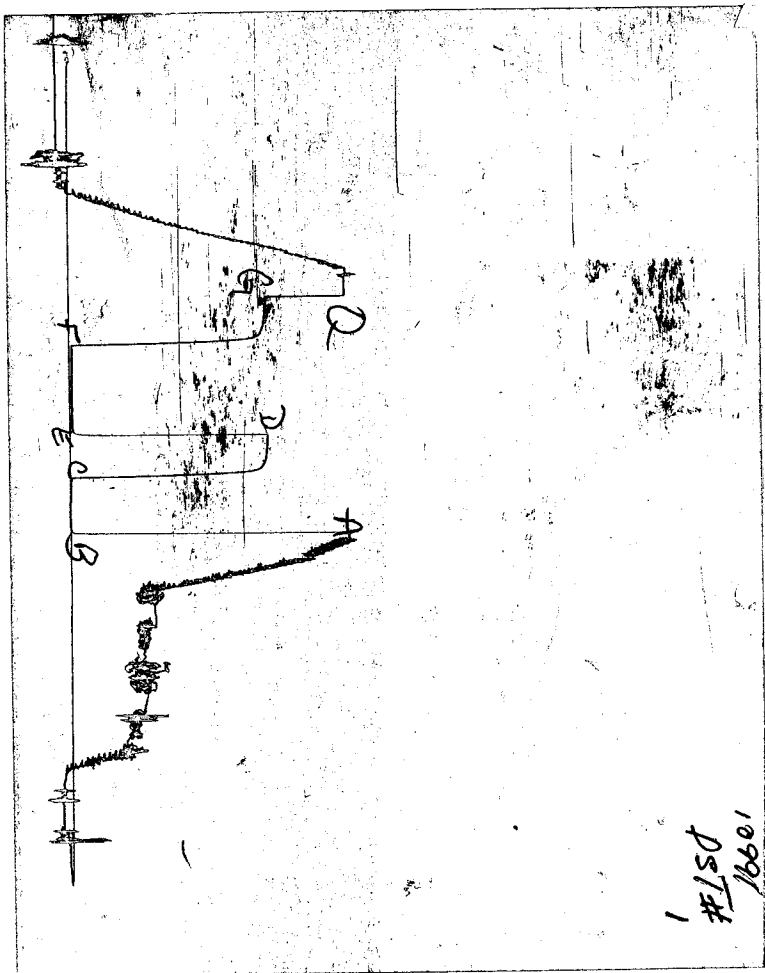
TK#12100 DST#1 Whiteman #1 North American Drilling



Flag Points

Time (Min.)	Pressure (PSig)
A	0.00
B	1651.61
C	25.76
D	42.67
E	55.55
F	32.83
G	1190.09
H	0.00
I	63.60
J	37.67
K	1180.52
L	0.00
M	1622.40

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 12100

Test Ticket

Well Name & No. <u>Whiteman #1</u>		Test No. <u>#1</u>	Date <u>04/20/2000</u>	
Company <u>North American Drilling</u>		Zone Tested <u>Cherokee SD</u>		
Address <u>3420 10th Great Bend, Ks 67530</u>		Elevation <u>1654</u> KB <u>1699</u> GL		
Co. Rep / Geo. <u>Marvin Frankamp</u>		Cont. <u>L.D. Davis #1</u>	Est. Ft. of Pay ___ Por. ___ %	
Location: Sec. <u>30</u>	Twp. <u>19^s</u>	Rge. <u>6^w</u>	Co. <u>Rice</u>	State <u>Ks</u>
No. of Copies <u>5</u> Distribution Sheet (Y, N) ___		Turnkey (Y, N) ___		Evaluation (Y, N) ___

Interval Tested <u>3226 - 3256'</u>	Initial Str Wt./Lbs. <u>37,000</u>	Unseated Str Wt./Lbs. <u>38,000</u>
Anchor Length <u>30'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>42,000</u>
Top Packer Depth <u>3221</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3226</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>3256</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.5</u> LCM ___ Vis. <u>46</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3221</u>
Blow Description <u>IF: Strong blow 8.o.b in 20 sec. 615 in 8 mins Cause Gas.</u>		
<u>TSI: Blud down for 5 mins. No blow back.</u>		
<u>FF: Strong blow 8.o.b in 10 sec. Gauge Sat.</u>		
<u>ESI Blud down for 10 mins no blow back</u>		

Recovery — Total Feet <u>58'</u>	GIP <u>3163'</u>	Ft. in DC	Ft. in DP <u>58'</u>
Rec. <u>58'</u> Feet Of <u>156CM</u>	<u>2</u> %gas	%oil	%water <u>99</u> %mud
Rec. <u>3163</u> Feet Of <u>Gas in pipe</u>	%gas	%oil	%water
Rec. ___ Feet Of	%gas	%oil	%water
Rec. ___ Feet Of	%gas	%oil	%water
Rec. ___ Feet Of	%gas	%oil	%water
BHT <u>101°</u> °F Gravity	°API D@	°F Corrected Gravity	
RW @ °F Chlorides	ppm Recovery	Chlorides <u>4000</u> ppm System	

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1618</u>	<u>1652</u>	PSI Recorder No. <u>2350</u>	T-On Location <u>0930</u>
(B) First Initial Flow Pressure	<u>21</u>	<u>26</u>	PSI (depth) <u>3235'</u>	T-Started <u>1016</u>
(C) First Final Flow Pressure	<u>21</u>	<u>56</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1200</u>
(D) Initial Shut-In Pressure	<u>1130</u>	<u>1190</u>	PSI (depth) <u>3253'</u>	T-Pulled <u>1500</u>
(E) Second Initial Flow Pressure	<u>32</u>	<u>43</u>	PSI Recorder No. <u> </u>	T-Out <u>1630</u>
(F) Second Final Flow Pressure	<u>32</u>	<u>64</u>	PSI (depth) <u> </u>	T-Off Location <u>1700</u>
(G) Final Shut-in Pressure	<u>1150</u>	<u>1181</u>	PSI Initial Opening <u>95</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1587</u>	<u>1622</u>	PSI Initial Shut-in <u>30</u>	Jars
			Final Flow <u>75</u>	Safety Joint
			Final Shut-in <u>30</u>	Straddle

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Approved By Marvin Frankamp
 Our Representative Dave Lawrence

Extra Packer
 Elec. Rec. 150
 Mileage
 Other
 TOTAL PRICE \$ 750