

WELL NAME

Messenger #1

COMPANY

Bryce Hayes Oil & Gas

LOCATION

16-30s-8w

Kingman co Kansas

DATE

10/23/00

TRILOBITE TESTING L.L.C.

OPERATOR : Bryce Hayes Oil & Gas DATE 10-18-000
 WELL NAME: Messenger #1 KB 1510.00 ft TICKET NO: 13206 DST #1
 LOCATION : 16-30s-8w Kingman co KS GR 1505.00 ft FORMATION: Miss.
 INTERVAL : 4164.00 To 4196.00 ft TD 4196.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0318 to 0348 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0348 to 0448 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0448 to 0548 hr
FS 90 Depth(ft)	4193.0	4193.0	4170.0	0.0	0.0	FS Fr. 0548 to 0718 hr

	Field	1	2	3	4	
A. Init Hydro	2030.0	0.0	2096.0	0.0	0.0	T STARTED 0107 hr
B. First Flow	34.0	0.0	26.0	0.0	0.0	T ON BOTM 0314 hr
B1. Final Flow	39.0	0.0	38.0	0.0	0.0	T OPEN 0318 hr
C. In Shut-in	205.0	0.0	209.0	0.0	0.0	T PULLED 0722 hr
D. Init Flow	39.0	0.0	26.0	0.0	0.0	T OUT 0915 hr
E. Final Flow	55.0	0.0	61.0	0.0	0.0	
F. Fl Shut-in	205.0	0.0	208.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1986.0	0.0	2028.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 52000.00 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 4150.00 ft

RECOVERY

Tot Fluid 105.00 ft of 0.00 ft in DC and 105.00 ft in DP
 2250.00 ft of Gas in pipe.
 45.00 ft of Gas Oil & Water Cut Mud 15%g 10%o 15%w 60%
 60.00 ft of Gas & Oil Cut Water Mud 15%g 15%o 30%w 40%
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw 0.94 ohms @ 55 degrees F.
 0.00 ft of EST.FT. of PAY-----30
 SALINITY 11500.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.20 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
 Strong blow - bottom of bucket in
 4 1/2 minutes

Initial Shutin:

Weak Blow 1/4 - 1/2"

Final Flow:

Strong blow - bottom of bucket in
 3 seconds

Final Shutin:

Weak blow 1/2 - 1"

SAMPLES: none

SENT TO:Caraway/Liberal

Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	John Hastings
Contr.	Duke Drlg.
Rig #	2
Unit #	
Pump T.	LCM 4 #/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

LOCATION : Sec.16 Twp.30s Rq.08w Ks

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands	Single	Total
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D.P. ANCHOR STND.	Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
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91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

TOTAL ASSEMBLY 59

D.C. ABOVE TOOLS.Stands	Single	Total
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D.P. ABOVE TOOLS.Stands67 Single 1 Total 4150

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4209

TOTAL DEPTH 4196

TOTAL DRILL PIPE ABOVE K.B. 13

REMARKS:

Comments:

FLUID SAMPLER DATA (not run)

GAS-----

OIL-----ML.

MUD-----ML.

WATER-----ML.

OTHER-----

PRESSURE-----PSI

Rw ----- ohms @ deg. F.

CHLORIDES-----ppm.

GRAVITY----- n/a deg.API

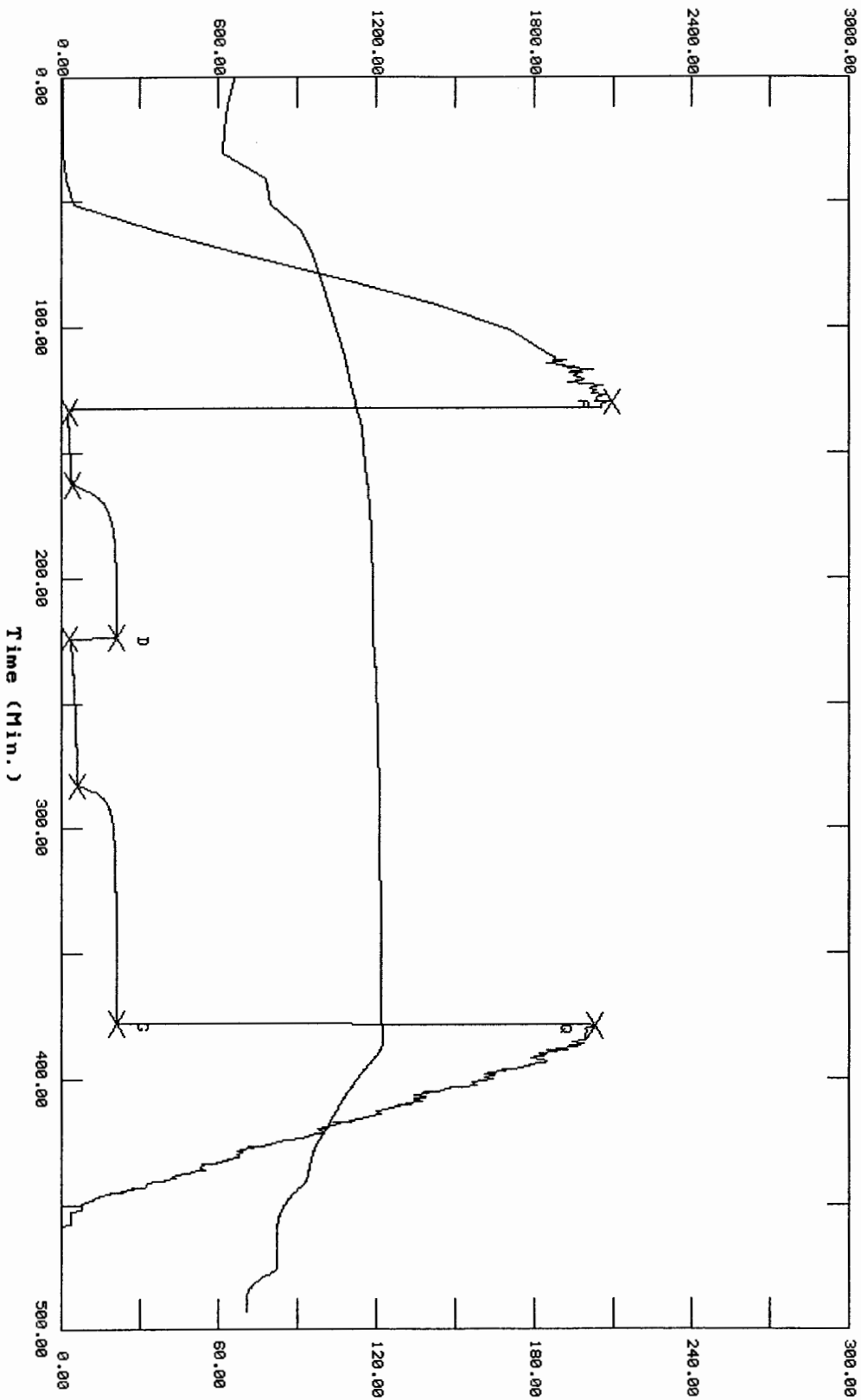
H	P.O. SUB		
H	C.O. SUB @ top of tool		4137
H	S.I. TOOL Sterling		4143
H			
H			
H	HMV Sterling		4148
H	JARS bowen		4153
H			
H			
H			
H	SAFETY JOINT bowen		4155
H	PACKER top		4159
H	PACKER Btm.		4164
H	DEPTH	4164	
H	1 ft.		4165
H	ANCHOR		
H			
H	perfs		
H	Alpine rec. @	4170	
H			
H			
H			
H			
H			
H			
H			
H			
H			
H			
H	26'perfs to		4191
H			
H			
H	AK-1 rec. @	4193	
H			
H	BULLNOSE 5 ft. perforated		4196
H	T.D.		

13206 DST#1 MESSENGER #1 BRYCE HAYES OIL & GAS

TEST HISTORY

Flag Points

t (Min.)	Pc (PSig)
A: 0.00	2095.67
B: 0.00	25.84
C: 29.00	37.84
D: 61.00	208.89
E: 0.00	26.26
F: 59.00	60.50
G: 95.00	207.82
H: 0.00	2028.02

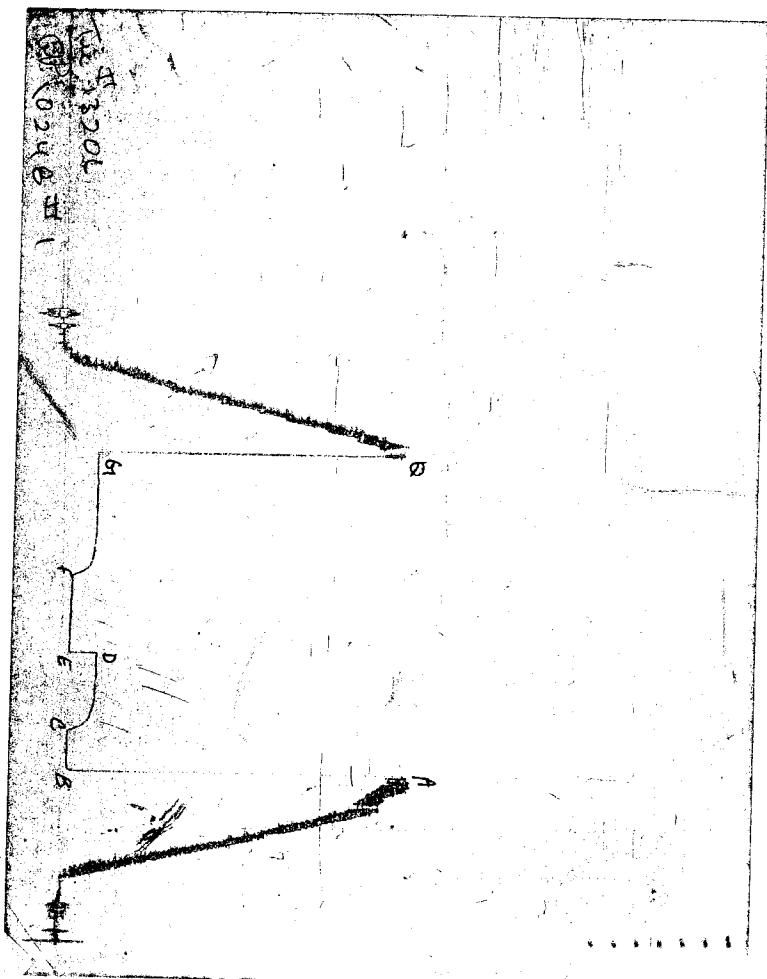


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

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 13206

Test Ticket

Well Name & No. <u>Messenger #1</u>	Test No. <u>1</u>	Date <u>10-18-2000</u>
Company <u>Bryce Hayes Oil & Gas Inc</u>	Zone Tested <u>Miss.</u>	
Address <u>P.O. Box 108, Atterton, Mo. 67609</u>	Elevation <u>1510</u> KB <u>1505</u> GL	
Co. Rep / Geo. <u>John Hastings</u>	Cont. <u>Duke Dwyer</u> # <u>2</u>	Est. Ft. of Pay <u>30</u> Por. <u> </u> %
Location: Sec. <u>12</u> Twp. <u>30 S</u> Rge. <u>8 W</u>	Co. <u>Kingman</u> State <u>Ks</u>	
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4164 - 4196'</u>	Initial Str Wt/Lbs. <u>52,000</u>	Unseated Str Wt/Lbs. <u>52,000</u>
Anchor Length <u>32'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>62,000</u>
Top Packer Depth <u>4159'</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>4164'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>4196'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>None</u>
Mud Wt. <u>9.2</u> LCM <u>4#</u> Vis. <u>48</u> WL <u>8.8 cc</u>	Drill Pipe Size <u>4 1/2" x 14</u>	Ft. Run <u>4150'</u>
Blow Description <u>IF: Strong blow, B.C.B. in 4 1/2 mins.</u>		
<u>ISI: Weak blow, 1/4 - 1/2"</u>		
<u>FF: Strong blow, B.C.B. in 3 secs. FSI: Weak blow, 1/2"</u>		

Recovery — Total Feet <u>105</u>	GIP <u>2250'</u>	Ft. in DC <u> </u>	Ft. in DP <u>105</u>
Rec. <u>45</u> Feet Of <u>G.O. EUCM</u>	<u>15</u> %gas <u>10</u> %oil <u>15</u> %water <u>60</u> %mud		
Rec. <u>60</u> Feet Of <u>G.O. EUCM</u>	<u>15</u> %gas <u>15</u> %oil <u>30</u> %water <u>40</u> %mud		
Rec. <u> </u> Feet Of <u> </u>	%gas %oil %water %mud		
Rec. <u> </u> Feet Of <u> </u>	%gas %oil %water %mud		
Rec. <u> </u> Feet Of <u> </u>	%gas %oil %water %mud		
BHT <u>122</u> °F Gravity <u>N/A</u>	°API D@ <u> </u>	°F Corrected Gravity <u>N/A</u>	°API <u> </u>
RW <u>0.94</u> @ <u>55</u> °F	Chlorides <u>11,500</u> ppm	Recovery Chlorides <u>9,000</u> ppm	System <u> </u>

(A) Initial Hydrostatic Mud <u>2030</u>	AK-1 <u>2096</u>	Alpine <u>2096</u>	PSI Recorder No. <u>2342</u>	T-On Location <u>0000</u>
(B) First Initial Flow Pressure <u>34</u>	<u>26</u>	<u>26</u>	PSI (depth) <u>4170'</u>	T-Started <u>0107</u>
(C) First Final Flow Pressure <u>39</u>	<u>38</u>	<u>38</u>	PSI Recorder No. <u>10248</u>	T-Open <u>0318</u>
(D) Initial Shut-In Pressure <u>205</u>	<u>209</u>	<u>209</u>	PSI (depth) <u>4193'</u>	T-Pulled <u>0722</u>
(E) Second Initial Flow Pressure <u>39</u>	<u>26</u>	<u>26</u>	PSI Recorder No. <u> </u>	T-Out <u>0915</u>
(F) Second Final Flow Pressure <u>55</u>	<u>61</u>	<u>61</u>	PSI (depth) <u> </u>	T-Off Location <u>040</u>
(G) Final Shut-in Pressure <u>205</u>	<u>208</u>	<u>208</u>	PSI Initial Opening <u>30</u>	Test <u>✓</u> <u>750</u> °C
(Q) Final Hydrostatic Mud <u>1986</u>	<u>2028</u>	<u>2028</u>	PSI Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u> °C
			Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>80</u> °C
			Final Shut-in <u>90</u>	Straddle <u> </u>
			<u> </u>	Circ. Sub <u> </u>
			<u> </u>	Sampler <u> </u>

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Approved By [Signature]
Our Representative [Signature]

Extra Packer
Elec. Rec. ✓ 1.50 °C
Mileage 43 ✓ 45 °C
Other
TOTAL PRICE \$ ✓ 1195 °C