



DRILL STEM TEST REPORT

Prepared For: **American Energies, C**

155 N. Market, Ste 710
Wichita, Ks. 67202

ATTN: Doug Davis

COPY

Sec29-9-20-Rooks-Ks

Graham "A" #1

Start Date: 2000.10.03 @ 00:25:00

End Date: 2000.10.03 @ 05:05:00

Job Ticket #: 13858 DST #: 1

NW NE SENW

1480 FWL 2180 FWL

Trilobite Testing, L.L.C.

PO Box 362 Hays KS 67601

PH: 785-625-4778 FAX: 785-625-5620

American Energies, C

Graham "A" #1

Sec29-9-20-Rooks-Ks

DST #: 1

"D" LKC

2000.10.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Energies, C
155 N. Market, Ste 710
Wichita, Ks. 67202

ATTN: Doug Davis

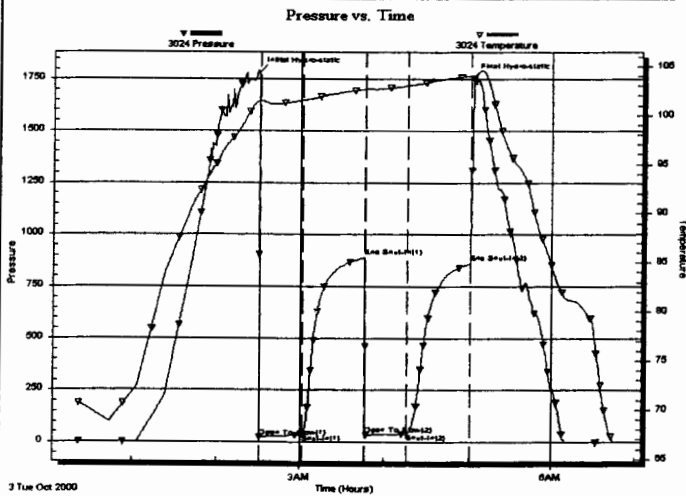
Graham "A" #1
Sec29-9-20-Rooks-Ks
Job Ticket: 13858 DST#: 1
Test Start: 2000.10.03 @ 00:25:00

GENERAL INFORMATION:

Formation: "D" LKC	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (CF)	Tester: Dan Bangle
Time Tool Opened: 02:31:01	Unit No: 11
Time Test Ended: 05:05:00	Reference Elevations: 2275.00 ft (CF)
Interval: 3590.00 ft (CF) To 3650.00 ft (CF) (TVD)	KB to GR/CF:
Total Depth: 3650.00 ft (CF)	
Hole Diameter: 7.88 inches Hole Condition: Poor	

Serial #: 3024 Inside	Capacity: 7000.00 psig
Press@RunDepth: 37.23 psig @ 3596.01 ft (CF)	Last Calib.: 2000.10.03
Start Date: 2000.10.03 End Date: 2000.10.03	Time On Btm: 2000.10.03 @ 02:30:31
Start Time: 00:21:02 End Time: 06:45:31	Time Off Btm: 2000.10.03 @ 05:02:31

TEST COMMENT: IF-Weak steady 1/2" blow
FF-Weak steady surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
130	1782.67	101.45	Initial Hydro-static
130	20.95	101.52	Open To Flow (1)
160	32.61	101.51	Shut-In(1)
205	888.31	102.69	End Shut-In(1)
206	34.87	102.74	Open To Flow (2)
235	37.23	103.03	Shut-In(2)
280	861.68	104.05	End Shut-In(2)
282	1756.37	104.07	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
40.00	Mud with oil spots	0.29

Gas Rates

Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)

Serial #: 3024

Inside

American Energies, C

Sec29-9-20-Rooks-Ks

Pressure vs. Time

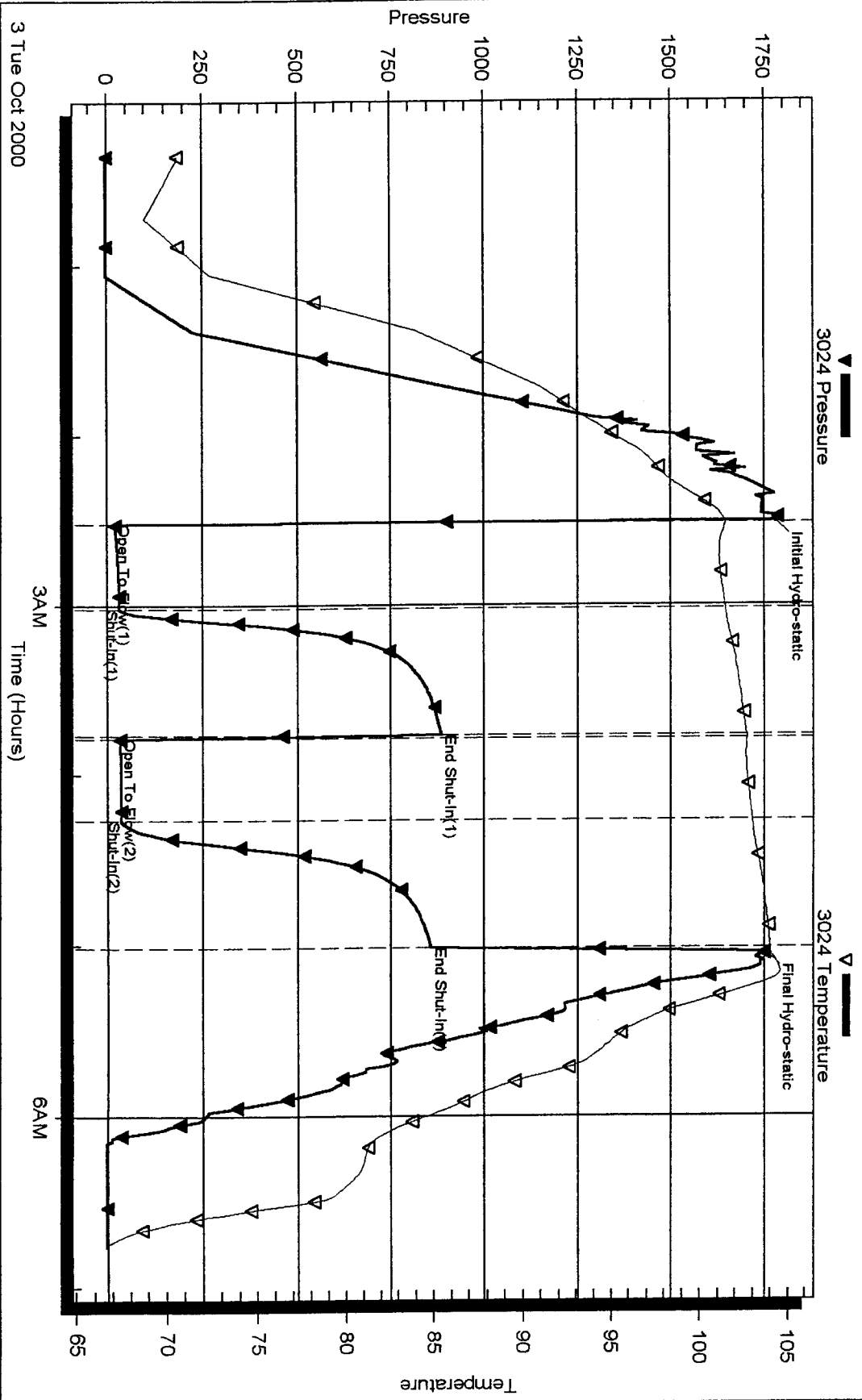
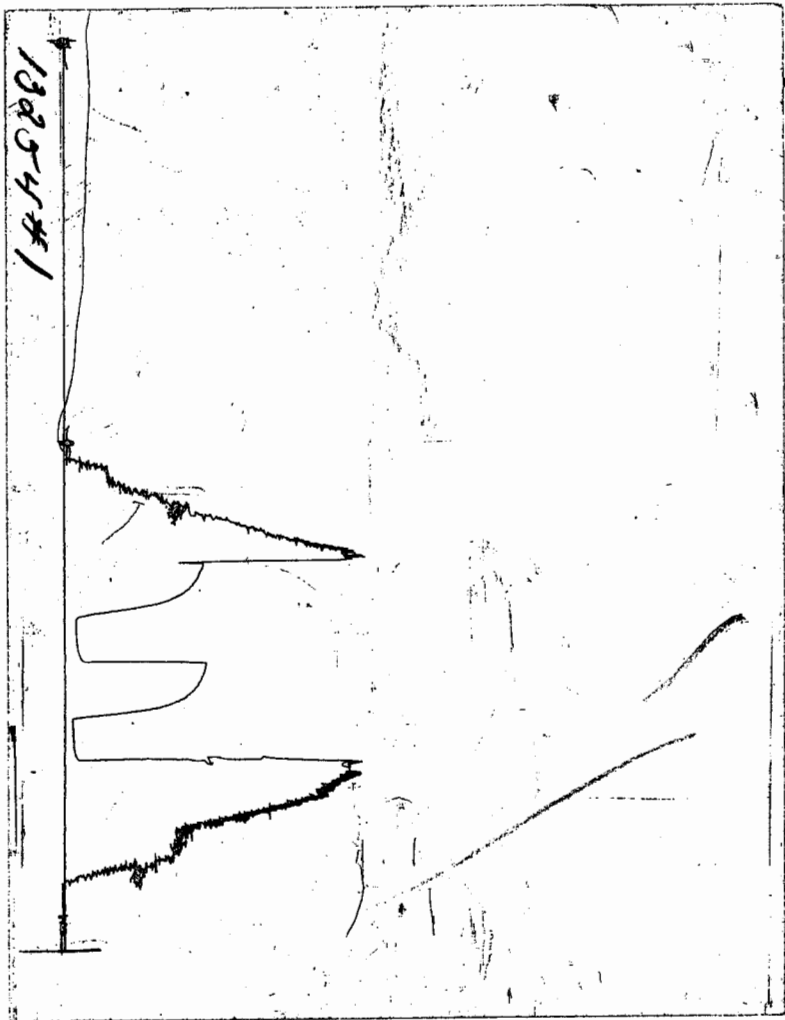


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13858

Test Ticket

Well Name & No. Graham "A" #1 Test No. 1 Date 10-3-00
 Company American Energies Corp. Zone Tested "D" LKC
 Address 155 N. Market, Ste 710, Wichita, Ks. 67202 Elevation 2283 KB 2275 GL
 Co. Rep / Geo. Doug Davis Cont. Discovery #1 Est. Ft. of Pay Por. %
 Location: Sec. 29 Twp. 9 Rge. 20 Co. Rooks State Ks
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3590 - 3650 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 60 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 69,000
 Top Packer Depth 3585 Tool Weight 1200
 Bottom Packer Depth 3590 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3650 Wt. Pipe Run Drill Collar Run 30
 Mud Wt. 9.3 LCM Vis. 47 WL 8 Drill Pipe Size 4.5 x 14 Ft. Run 3536
 Blow Description I.F. Weak steady 1/2" blow

E.F. Weak steady surface blow

Recovery — Total Feet 40 GIP Ft. in DC 30 Ft. in DP 10
 ec. 40 Feet Of mud w/ oil spots %gas %oil %water %mud
 ec. Feet Of %gas %oil %water %mud
 ec. Feet Of %gas %oil %water %mud
 ec. Feet Of %gas %oil %water %mud
 ec. Feet Of %gas %oil %water %mud
 HT 104 °F Gravity °API D@ °F Corrected Gravity °API
 W @ °F Chlorides ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
1) Initial Hydrostatic Mud		<u>1782</u>		<u>3024</u>	<u>22:35</u>
2) First Initial Flow Pressure		<u>20</u>		(depth) <u>3596</u>	T-Started <u>00:25</u>
3) First Final Flow Pressure		<u>22</u>		Recorder No. <u>13254</u>	T-Open <u>02:35</u>
4) Initial Shut-In Pressure		<u>888</u>		(depth) <u>3629</u>	T-Pulled <u>05:05</u>
5) Second Initial Flow Pressure		<u>34</u>		Recorder No. <u> </u>	T-Out <u>07:00</u>
6) Second Final Flow Pressure		<u>40</u>		(depth) <u> </u>	T-Off Location <u>07:10</u>
7) Final Shut-in Pressure		<u>862</u>		Initial Opening <u>30</u>	Test <u> </u>
8) Final Hydrostatic Mud		<u>1756</u>		Initial Shut-in <u>45</u>	Jars <u>X</u>
				Final Flow <u>30</u>	Safety Joint <u>X</u>
				Final Shut-in <u>45</u>	Straddle <u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Doug Davis
 Your Representative Dan Banate

Mileage 41
 Other
 TOTAL PRICE \$



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Energies, C
155 N. Market, Ste 710
Wichita, Ks. 67202
ATTN: Doug Davis

Graham "A" #1
Sec29-9-20-Rooks-Ks
Job Ticket: 13859 DST#: 2
Test Start: 2000.10.04 @ 03:54:00

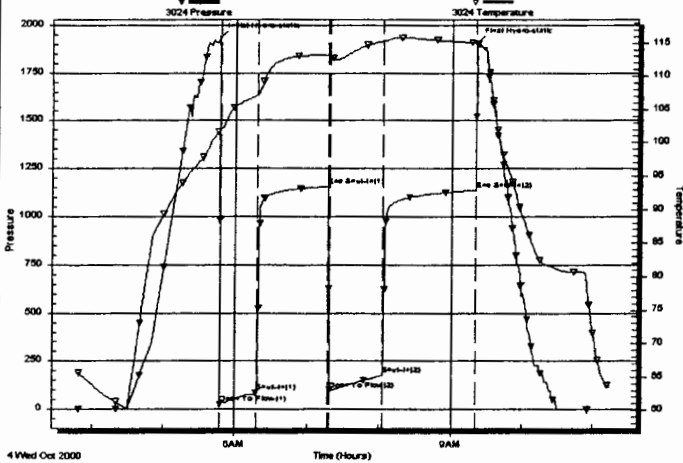
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (CF)
Time Tool Opened: 05:47:33
Time Test Ended: 09:23:00
Interval: **3854.00 ft (CF) To 3869.00 ft (CF) (TVD)**
Total Depth: 3650.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 11
Reference Elevations: 2275.00 ft (CF)
KB to GR/CF:

Serial #: **3024** Inside
Press@RunDepth: 177.39 psig @ 3855.01 ft (CF) Capacity: 7000.00 psig
Start Date: 2000.10.04 End Date: 2000.10.04 Last Calib.: 2000.10.04
Start Time: 03:48:04 End Time: 11:14:03 Time On Btm: 2000.10.04 @ 05:47:03
Time Off Btm: 2000.10.04 @ 09:21:03

TEST COMMENT: IF-B.o.b in 14 min
FF-B.o.b in 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
119	1933.87	101.85	Initial Hydro-static
120	25.20	102.00	Open To Flow (1)
151	87.84	107.28	Shut-In(1)
209	1157.20	113.23	End Shut-In(1)
210	98.12	113.22	Open To Flow (2)
256	177.39	115.35	Shut-In(2)
332	1137.35	115.05	End Shut-In(2)
333	1907.60	115.02	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
231.00	Gas in pipe	2.97
370.00	Clean Gassy oil 10% gas 80% oil	5.19
77.00	Mud cut oil 80% oil 20% mud	1.08

Gas Rates

	Choke (mm)	Pressure (kPa)	Gas Rate (m³/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Energies, C
155 N. Market, Ste 710
Wichita, Ks. 67202
ATTN: Doug Davis

Graham "A" #1
Sec29-9-20-Rooks-Ks
Job Ticket: 13859 DST#: 2
Test Start: 2000.10.04 @ 03:54:00

Tool Information

Drill Pipe:	Length: 3817.00 ft	Diameter: 3.80 inches	Volume: 53.54 bbl	Tool Weight: 900.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
Drill Pipe Above KB:	22.01 ft			Tool Chased 0.01 ft
Depth to Top Packer:	3849.00 ft			String Weight: Initial 52000.00 lb
Depth to Bottom Packer:	ft			Final 53000.00 lb
Interval between Packers:	ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3826.00	
S.I. Tool	5.00			3831.00	
HYD S.I. Tool	5.00			3836.00	
Jars	5.00			3841.00	
Safety Joint	3.00			3844.00	
Packer	5.00			3849.00	24.00 Bottom Of Top Packer
Packer	5.00			3854.00	
Stubb	1.00			3855.00	
Recorder	0.01	3024	Inside	3855.01	
Perforations	5.00			3860.01	
Perforations	3.00			3863.01	
Recorder	0.01	13254	Outside	3863.02	
Perforations	1.00			3864.02	
Bullnose	5.00			3869.02	20.02 Bottom Packers & Anchor

Total Tool Length: 44.02

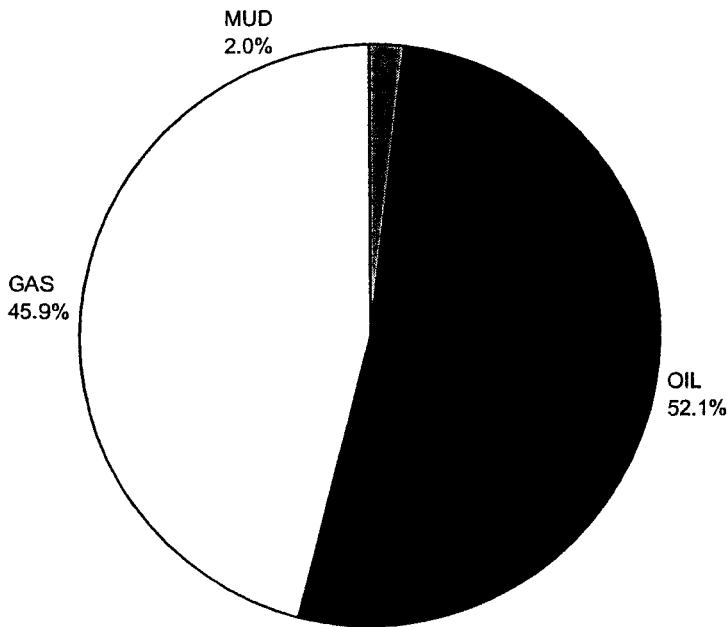
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 13859

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	231	100	231	0	0	0	0	0	0
PIPE 2	370	10	37	80	296	0	0	0	0
3	47	0	0	80	0	0	0	20	9.4
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
WEIGHT 1	0	0	0	0	0	0	0	0	0
PIPE 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
DRILL 1	30	0	0	80	24	0	0	20	6
COLLARS 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
TOTAL	678	0	268	0	320	0	0	0	15.4

BBL OIL= 4.32648 * HRS OPEN 1.25 = BBL/DAY 83.068416
 BBL WATER= 0 * = 0
 BBL MUD= 0.163008
 BBL GAS = 3.81096



Pressure vs. Time

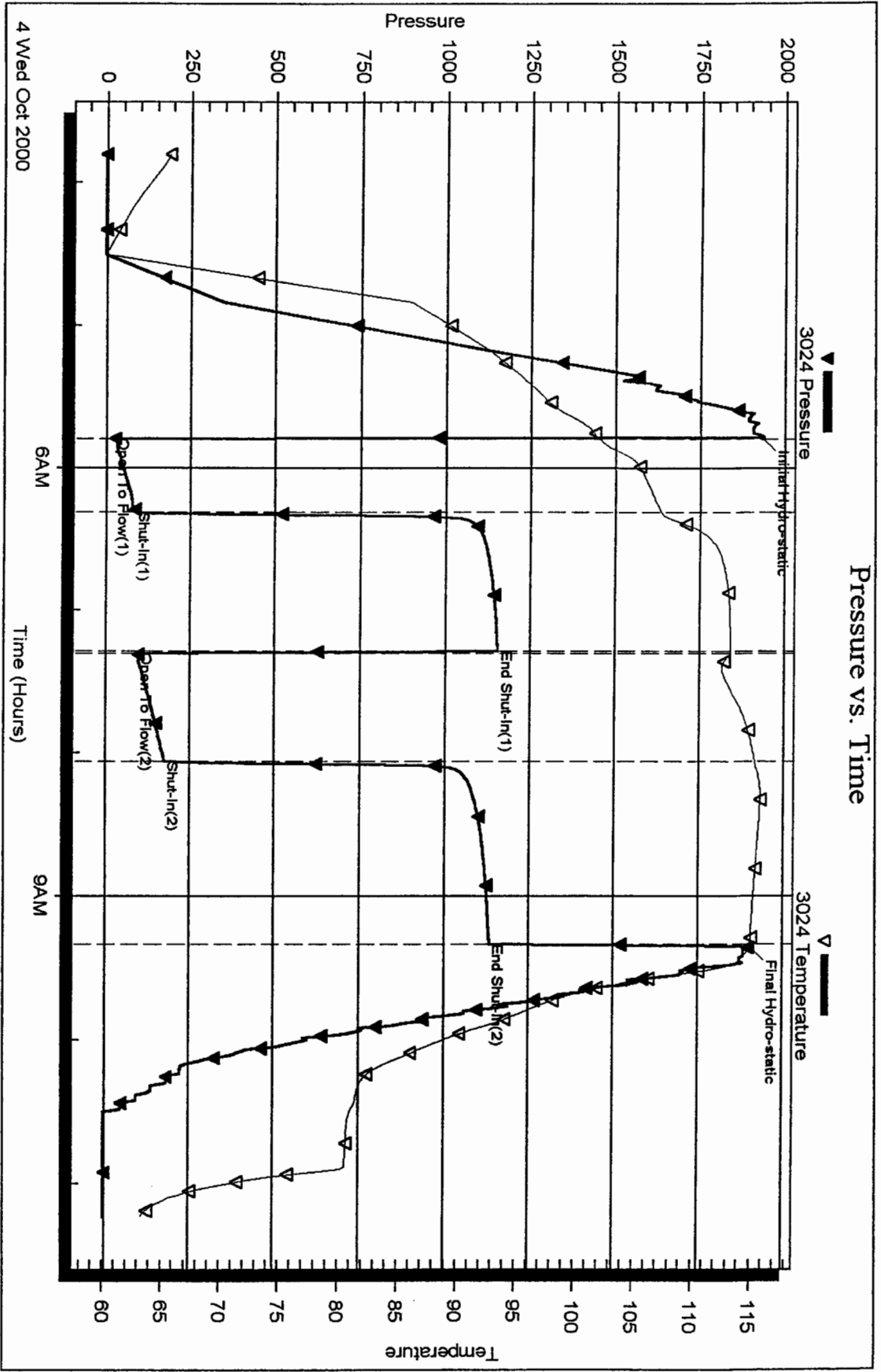
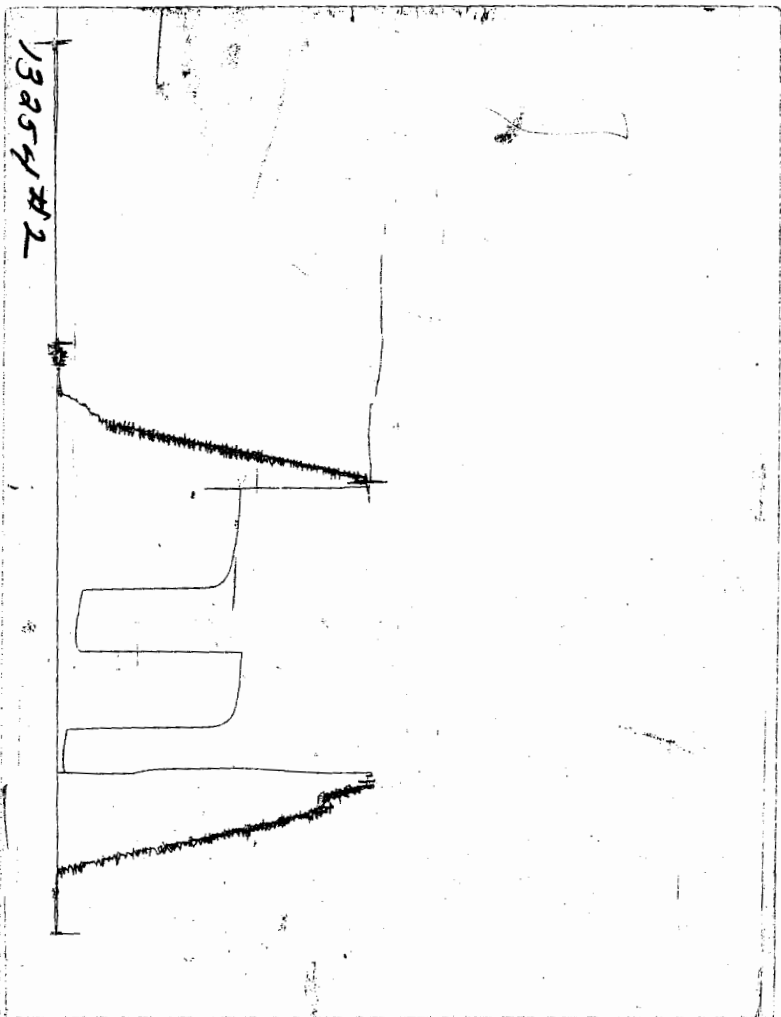


CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13859

Test Ticket

Well Name & No.	<u>Graham "A" #1</u>	Test No.	<u>2</u>	Date	<u>10-4-00</u>
Company	<u>American Energies, Corp.</u>	Zone Tested	<u>Arbuckle</u>		
Address				Elevation	<u>2283</u> KB <u>2275</u> GL
Co. Rep / Geo.	<u>Doug Davis</u>	Cont.	<u>Discovery #1</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>29</u>	Twp.	<u>9</u>	Rge.	<u>20</u> Co. <u>Rooks</u> State <u>Ks</u>
No. of Copies	Distribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested 3854 - 3869 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 53,000
Anchor Length 15 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 69,000
Top Packer Depth 3849 Tool Weight 900
Bottom Packer Depth 3854 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 3869 Wt. Pipe Run _____ Drill Collar Run 30
Mud Wt. 9.3 LCM _____ Vis. 50 WL 9 Drill Pipe Size 4.5 XH Ft. Run 3817
Blow Description I.F. Strong - B.O.B in 14 min.

F.F. Strong B.O.B in 20 min.

Recovery — Total Feet	<u>447</u>	GIP	<u>231</u>	Ft. in DC	<u>30</u>	Ft. in DP	<u>417</u>
Rec.	<u>370</u>	Feet Of	<u>CGS-10</u>	10% gas	90% oil	% water	% mud
Rec.	<u>77</u>	Feet Of	<u>MCO</u>	% gas	80% oil	% water	<u>20</u> % mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
BHT	<u>115</u>	°F Gravity		°API D@		°F Corrected Gravity	<u>30</u> °API
RW	@	°F Chlorides		ppm Recovery		Chlorides	<u>4,000</u> ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		<u>1933</u>	PSI	Recorder No.	<u>3024</u>	T-On Location	<u>03:20</u>
(B) First Initial Flow Pressure		<u>25</u>	PSI	(depth)	<u>3855</u>	T-Started	<u>03:54</u>
(C) First Final Flow Pressure		<u>82</u>	PSI	Recorder No.	<u>13254</u>	T-Open	<u>05:53</u>
(D) Initial Shut-In Pressure		<u>1157</u>	PSI	(depth)	<u>3863</u>	T-Pulled	<u>09:23</u>
(E) Second Initial Flow Pressure		<u>98</u>	PSI	Recorder No.		T-Out	<u>11:20</u>
(F) Second Final Flow Pressure		<u>177</u>	PSI	(depth)		T-Off Location	<u>12:00</u>
(G) Final Shut-in Pressure		<u>1137</u>	PSI	Initial Opening	<u>30</u>	Test	
(Q) Final Hydrostatic Mud		<u>1907</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>X</u>
				Final Flow	<u>45</u>	Safety Joint	<u>X</u>
				Final Shut-in	<u>75</u>	Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	<u>X</u>
						Mileage	<u>41</u>
						Other	
						TOTAL PRICE \$	

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Approved By Douglas V Davis
Our Representative Dan Bungle