

ORIGINAL

WELL NAME: Delany 1-36
COMPANY: Pelican Hill Oil & Gas
LOCATION: 26-31s-18w

KCC

NOV 15 2000

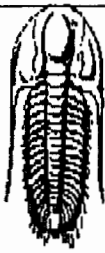
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TRILOBITE TESTING, L.L.C.

DRILL STEM TEST REPORT

Pelican Hill Oil & G
 1401 N El Camino Real #207
 San Clemente, Ca
 ATTN: Al Gross

Delaney 1-36
36/31s/18w Comanche
 Job Ticket: 13166 **DST#: 1**
 Test Start: 2000.09.09 @ 00:00:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: **No** Whipstock: ft (CF)
 Time Tool Opened: 14:04:02
 Time Test Ended: 00:00:00
 Interval: **5060.00 ft (CF) To 5144.00 ft (CF) (TVD)**
 Total Depth: **5144.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Paul Simpson**
 Unit No: **18**
 Reference Elevations: **2146.00 ft (CF)**
 KB to GR/CF: **KB to GR/CF:**

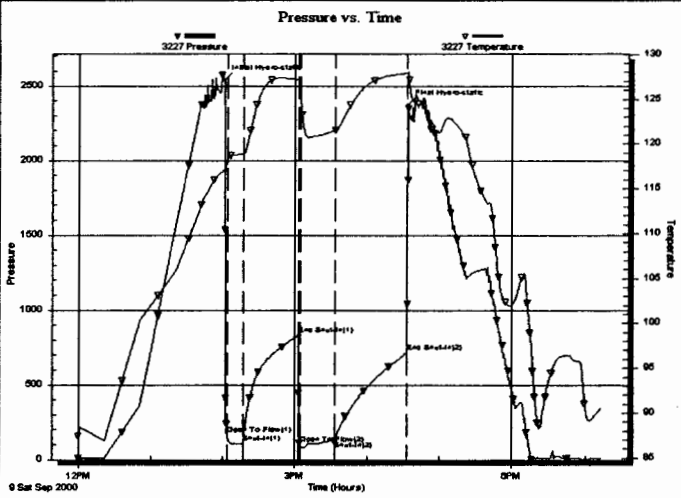
KCC

NOV 15 2000

CONFIDENTIAL

Serial #: **3227** **Inside**
 Press@RunDepth: **122.27 kPag @ 5064.00 ft (CF)**
 Start Date: **2000.09.09** End Date: **2000.09.09**
 Start Time: **11:59:19** End Time: **19:13:02**
 Capacity: **49000.00 kPag**
 Last Calib.: **2000.02.09**
 Time On Btm: **2000.09.09 @ 14:01:17**
 Time Off Btm: **2000.09.09 @ 16:33:47**

TEST COMMENT: **F bob 30 sec**
FF- Strong gauging gas



PRESSURE SUMMARY

Time (Min.)	Pressure (kPag)	Temp (deg F)	Annotation
122	2539.16	117.06	Initial Hydro-static
125	167.15	118.15	Open To Flow (1)
138	107.53	118.88	Shut-in(1)
184	830.67	127.19	End Shut-in(1)
185	99.32	125.68	Open To Flow (2)
214	122.27	121.48	Shut-in(2)
274	718.36	127.93	End Shut-in(2)
275	2373.63	128.07	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
315.00	gassymud	2.03

Gas Rates

	Choke (mm)	Pressure (kPa)	Gas Rate (m³/d)
First Gas Rate	0.50	120.66	209.04
Last Gas Rate	0.50	13.79	102.42
Max. Gas Rate	0.50	120.66	209.04



**TRILOBITE
TESTING, L.L.C.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pelican Hill Oil & G

Delaney 1-36

1401 N El Camino Real #207
San Clemente, Ca

36/31s/18w Comanche

Job Ticket: 13166

DST#: 1

ATTN: Al Gross

Test Start: 2000.09.09 @ 00:00:00

Tool Information

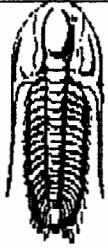
Drill Pipe:	Length: 4788.00 ft	Diameter: 3.80 inches	Volume: 67.16 bbl	Tool Weight: 2900.00 lb
Drill Collar:	Length: 262.00 ft	Diameter: 2.25 inches	Volume: 1.29 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight to Pull Loose: 130000.0 lb
Drill Pipe Above KB:	16.00 ft			Tool Chased ft
Depth to Top Packer:	5055.00 ft			String Weight: Initial 88000.00 lb
Depth to Bottom Packer:	ft			Final 90000.00 lb
Interval between Packers:	ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5035.00	
S.I. Tool	5.00			5040.00	
HMV	5.00			5045.00	
Jars	4.00			5049.00	
Safety Joint	2.00			5051.00	
Packer	4.00			5055.00	21.00 Bottom Of Top Packer
Packer	5.00			5060.00	
Stubb	1.00			5061.00	
Perforations	2.00			5063.00	
C.O. Sub	1.00			5064.00	
Recorder	0.00	3227	Inside	5064.00	
Blank Spacing	61.00			5125.00	
C.O. Sub	1.00			5126.00	
Recorder	0.00	11084	Outside	5126.00	
Perforations	15.00			5141.00	
Bullnose	3.00			5144.00	89.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Pelican Hill Oil & G

Delaney 1-36

1401 N El Camino Real #207
San Clemente, Ca

36/31s/18w Comanche

Job Ticket: 13166

DST#: 1

ATTN: Al Gross

Test Start: 2000.09.09 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 13.57
Resistivity: ohm.m
Salinity: ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: kPag

Recovery Information

Recovery Table

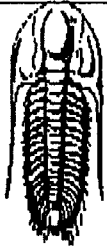
Length ft	Description	Volume bbl
315.00	gassy mud	2.032

Total Length: 315.00 ft Total Volume: 2.030 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: 3227

Laboratory Name: Caraway Laboratory Location: Liberal,KS

Recovery Comments: Gas to surface 4 minutes



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DRILL STEM TEST REPORT

GAS RATES

Pelican Hill Oil & G

Delaney 1-36

1401 N El Camino Real #207
San Clemente, Ca

36/31s/18w Comanche

Job Ticket: 13166

DST#: 1

ATTN: Al Gross

Test Start: 2000.09.09 @ 00:00:00

Gas Rates Information

Temperature: 80 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (kPaa)	Gas Rate (Mcf/d)
1	10	0.50	120.66	209.04
1	10	0.50	120.66	204.93
1	15	0.50	86.19	171.86
2	5	0.50	117.22	201.62
2	10	0.50	82.74	168.55
2	20	0.50	13.79	102.42

Serial #: 3227

Inside Pelican Hill Oil & G

36/31s/18w Comanche

Pressure vs. Time

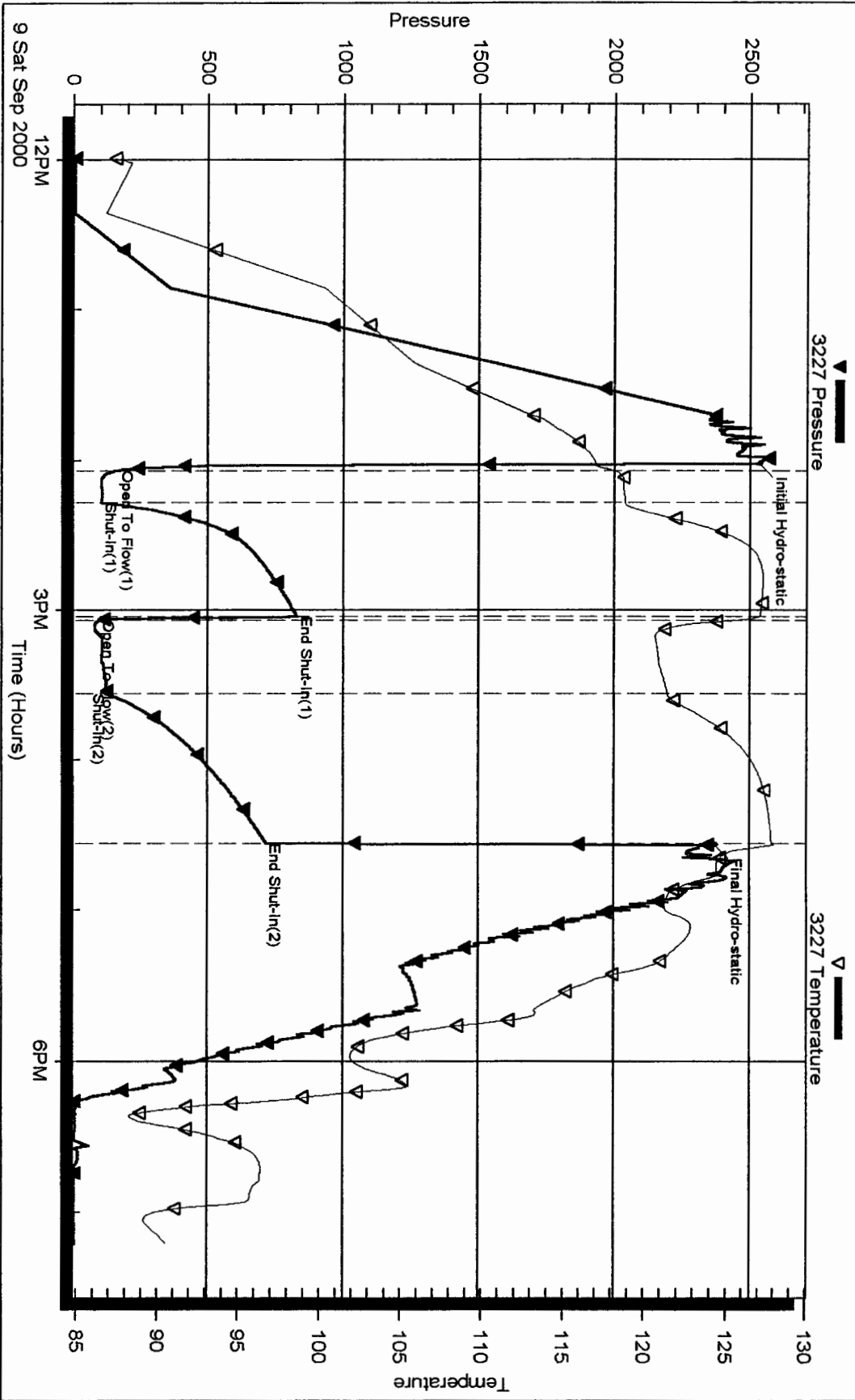
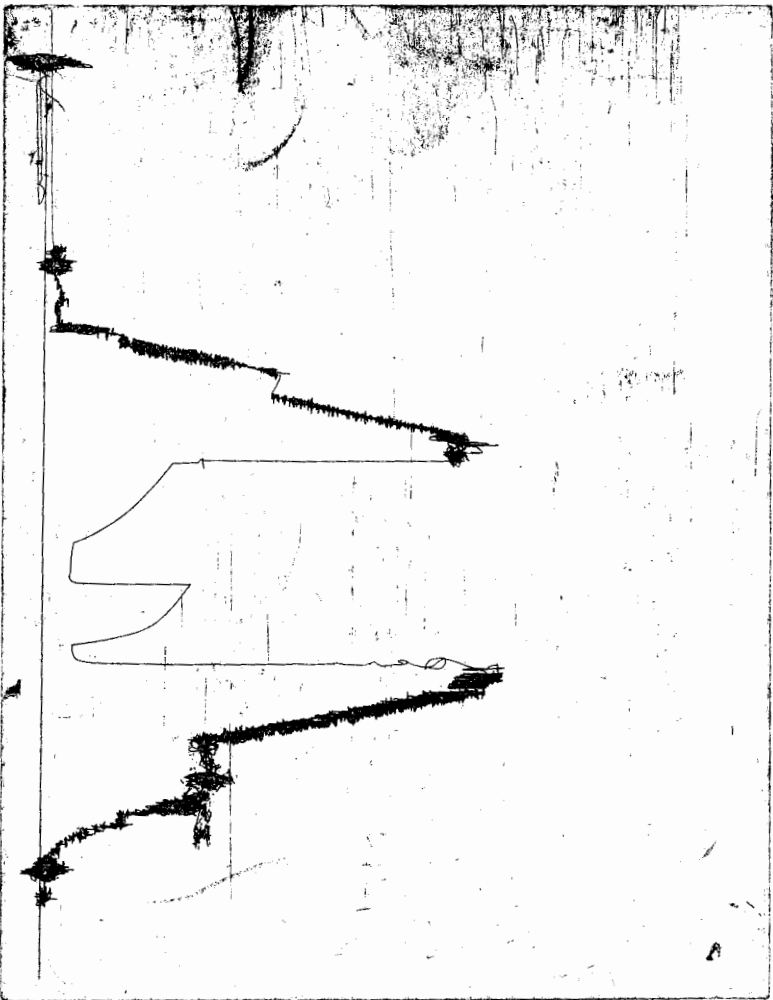


CHART PAGE



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 13166

Test Ticket

Well Name & No. <u>Delaney 1-36</u>	Test No. <u>1</u>	Date <u>9-5-2000</u>
Company <u>Delaney Hill Oil & Gas</u>	Zone Tested <u>Mississippi</u>	
Address <u>1401 N El Camino Rd. Sec 36 Clement Co, AZ</u>	Elevation <u>2158</u>	KB <u>2146</u> GL
Co. Rep / Geo. <u>Al Downing</u>	Cont. <u>Abercrombie #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>36</u> Twp. <u>31S</u>	Rge. <u>18W</u>	Co. <u>Cumanche</u> State <u>Ky</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>5060-5144</u>	Initial Str Wt./Lbs. <u>88,000</u>	Unseated Str Wt./Lbs. <u>90,000</u>
Anchor Length <u>84</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>130,000</u>
Top Packer Depth <u>5055</u>	Tool Weight <u>2900</u>	
Bottom Packer Depth <u>5060</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>5144</u>	Wt. Pipe Run _____	Drill Collar Run <u>262</u>
Mud Wt. <u>9.2</u> LCM <u>15</u> Vis. <u>59</u> WL <u>13.6</u>	Drill Pipe Size <u>4 1/2" IH</u>	Ft. Run <u>4788</u>
Blow Description <u>string blow bottom bucket in 30 seconds (RTS 2 min)</u> <u>IST very weak surface blow</u>		

Recovery — Total Feet <u>315</u>	GIP _____	Ft. in DC <u>262</u>	Ft. in DP _____
Rec. <u>315</u> Feet Of <u>5955, mud</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
BHT _____ °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides _____ ppm System	

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2539</u>		<u>11084</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>167</u>		(depth) <u>5064</u>	T-Started _____
(C) First Final Flow Pressure	<u>108</u>		PSI Recorder No. <u>3227</u>	T-Open <u>1358</u>
(D) Initial Shut-In Pressure	<u>831</u>		(depth) <u>5126</u>	T-Pulled _____
(E) Second Initial Flow Pressure	<u>99</u>		PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure	<u>122</u>		(depth) _____	T-Off Location <u>1930</u>
(G) Final Shut-in Pressure	<u>718</u>		PSI Initial Opening <u>15</u>	Test _____
(Q) Final Hydrostatic Mud	<u>2374</u>		PSI Initial Shut-in <u>48</u>	Jars <u>X</u>
			Final Flow <u>30</u>	Safety Joint <u>X</u>
			Final Shut-in <u>60</u>	Straddle _____

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Approved By [Signature]
Our Representative Pal Sipe

Circ. Sub _____
Sampler _____
Extra Packer _____
Elec. Rec. N
Mileage 5 miles (way to loc)
Other _____
TOTAL PRICE \$ _____



TRILOBITE
TESTING, L.L.C.

DRILL STEM TEST REPORT

Pelican Hill Oil & G
1401 N El Camino Real #207
San Clemente, Ca
ATTN: Al Gross

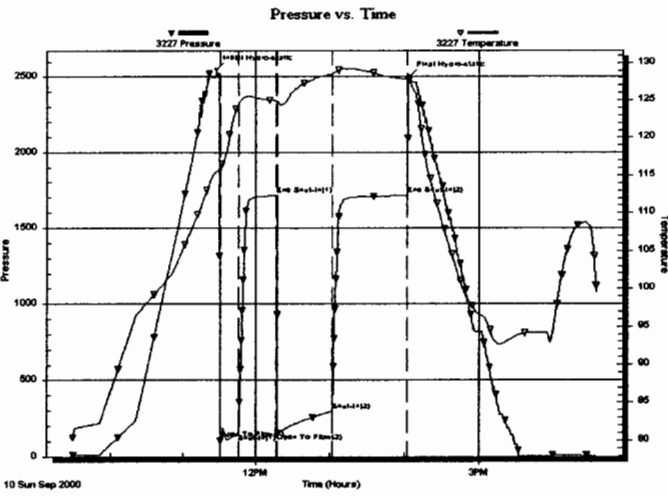
Delaney 1-36
36/31s/18w Comanche
Job Ticket: 13167 **DST#: 2**
Test Start: 2000.09.10 @ 09:17:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No** Whipstock: ft (CF)
Time Tool Opened: 11:30:46
Time Test Ended: 16:34:00
Interval: **5147.00 ft (CF) To 5177.00 ft (CF) (TVD)**
Total Depth: **5177.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Paul Simpson**
Unit No: **18**
Reference Elevations: **2146.00 ft (CF)**
KB to GR/CF:

Serial #: 3227 Inside
Press@RunDepth: **297.27 kPag @ 5150.01 ft (CF)** Capacity: **49000.00 kPag**
Start Date: **2000.09.10** End Date: **2000.09.10** Last Calib.: **2000.09.10**
Start Time: **09:29:33** End Time: **16:34:46** Time On Btm: **2000.09.10 @ 11:28:01**
Time Off Btm: **2000.09.10 @ 14:04:01**

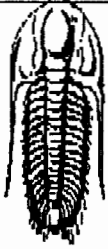
TEST COMMENT: **F- bob 2 min ISI-1/2" blow**
FF-bob 6 min FSI-2"



PRESSURE SUMMARY			
Time (Min.)	Pressure (kPag)	Temp (deg F)	Annotation
119	2548.95	115.54	Initial Hydro-static
122	109.45	115.65	Open To Flow (1)
137	142.16	124.59	Shut-In(1)
168	1712.41	124.94	End Shut-In(1)
169	152.23	124.78	Open To Flow (2)
212	297.27	128.52	Shut-In(2)
273	1711.59	127.78	End Shut-In(2)
275	2503.69	127.86	Final Hydro-static

Recovery		
Length (m)	Description	Volume (m³)
0.00	180 gas in pipe	0.00
60.00	slightly oil cut mud 5% Oil 95% mud	0.30
500.00	salt water	5.17

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



**TRILOBITE
TESTING, L.L.C.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pelican Hill Oil & G
1401 N El Camino Real #207
San Clemente, Ca
ATTN: Al Gross

Delaney 1-36
36/31s/18w Comanche
Job Ticket: 13167 **DST#: 2**
Test Start: 2000.09.10 @ 09:17:00

Tool Information

Drill Pipe:	Length: 4879.00 ft	Diameter: 3.80 inches	Volume: 68.44 bbl	Tool Weight: 2900.00 lb
Drill Collar:	Length: 262.00 ft	Diameter: 2.25 inches	Volume: 1.29 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight to Pull Loose: 110000.0 lb
Drill Pipe Above KB:	20.00 ft			Tool Chased ft
Depth to Top Packer:	5142.00 ft			String Weight: Initial 86000.00 lb
Depth to Bottom Packer:	ft			Final 91000.00 lb
Interval between Packers:	ft			
Tool Length:	56.01 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments
tool slid 5' when opening

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5122.00	
S.I. Tool	5.00			5127.00	
HMV	5.00			5132.00	
Jars	4.00			5136.00	
Safety Joint	2.00			5138.00	
Packer	4.00			5142.00	21.00 Bottom Of Top Packer
Packer	5.00			5147.00	
Stubb	1.00			5148.00	
Perforations	2.00			5150.00	
Recorder	0.01	3227	Inside	5150.01	
Perforations	24.00			5174.01	
Recorder	0.00	11084	Outside	5174.01	
Bullnose	3.00			5177.01	35.01 Bottom Packers & Anchor

Total Tool Length: 56.01

Serial #: 3227

Inside

Pelican Hill Oil & G

3631s/18w Comanche

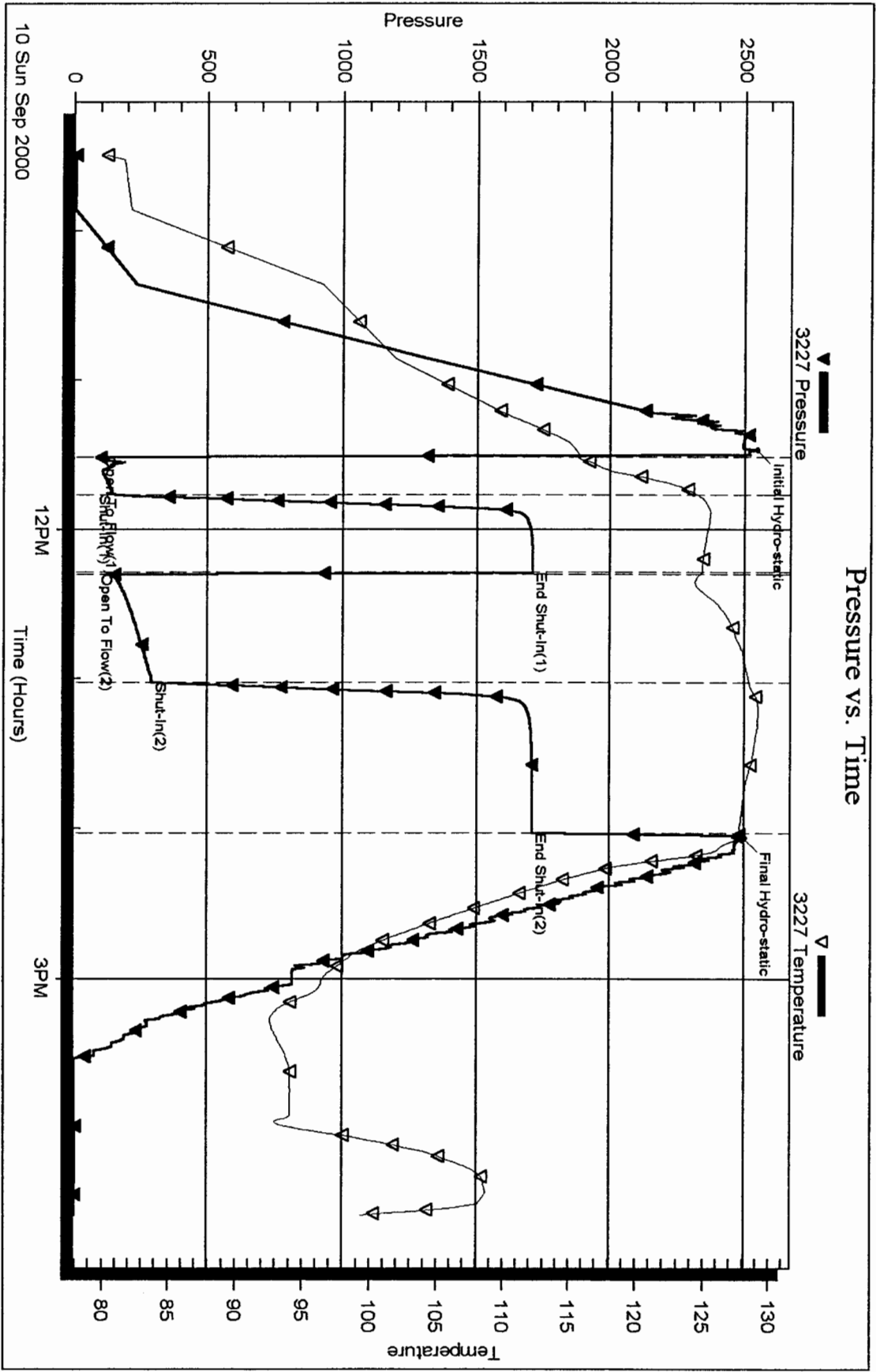
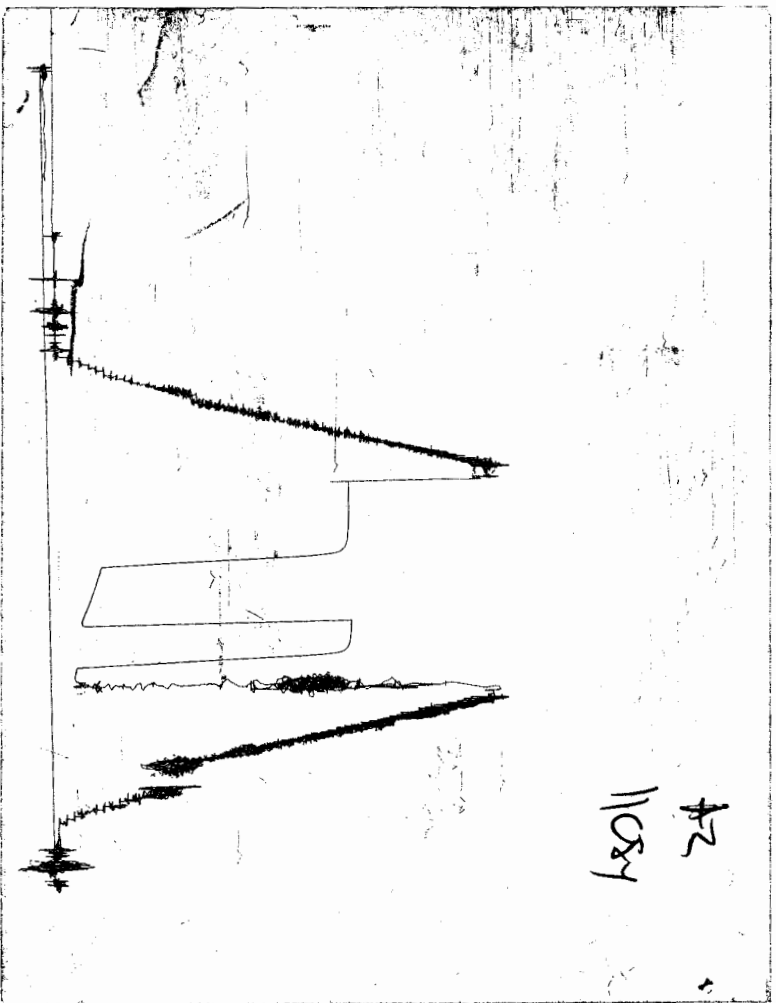


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13167

Test Ticket

Well Name & No. Delaney 1-36 Test No. 2 Date 9-10-00
 Company Pelican Hill O & G Zone Tested Mississippi
 Address _____ Elevation 2158 KB 2146 GL
 Co. Rep / Geo. Al Downing Cont. Alexander #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 36 Twp. 31s Rge. 18w Co. Comanche State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5147-5177 Initial Str Wt./Lbs. 86,000 Unseated Str Wt./Lbs. _____
 Anchor Length 30 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 5142 Tool Weight 2600
 Bottom Packer Depth 5147 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5177 Wt. Pipe Run _____ Drill Collar Run 262
 Mud Wt. 8.8 LCM 3 Vis. 50 WL 8 Drill Pipe Size 4 1/2 XH Ft. Run 4879
 Blow Description (skel tool 5' when opened) string blow - bottom of bucket in 2 min
PSI - 1/2" blow
FF - 1" blowing to bottom of bucket in 6 min
FST 2 # blow

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____

BHT _____ °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud			<u>3227</u>	<u>0815</u>
(B) First Initial Flow Pressure			(depth) <u>5150</u>	T-Started _____
(C) First Final Flow Pressure			PSI Recorder No. <u>11084</u>	T-Open <u>1127</u>
(D) Initial Shut-In Pressure			(depth) <u>5174</u>	T-Pulled _____
(E) Second Initial Flow Pressure			PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure			PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure			PSI Initial Opening <u>15</u>	Test _____
(Q) Final Hydrostatic Mud			PSI Initial Shut-in <u>30</u>	Jars _____
			Final Flow <u>45</u>	Safety Joint _____
			Final Shut-in <u>60</u>	Straddle _____
				Circ. Sub _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. _____
				Mileage _____
				Other _____
				TOTAL PRICE \$ _____

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Approved By [Signature]
 Our Representative _____