

Lawrence J. Fingen 1

TRILOBITE TESTING INC.

19-175-12w
15-069-24689

Conal Production P.O. Box 362 • Hays, Kansas 67601

No 13904

ORIGINAL

Test Ticket

Well Name & No. Finger #1 Test No. 1 Date 11-4-2000
 Company CORAL PRODUCTION CORPORATION Zone Tested OREAD
 Address 1600 STANT STREET, SUITE 1500 DENVER, CO 80202 Elevation 1951 KB 1946 GL
 Co. Rep / Geo. TIM LAUER Cont. UNFELDT O&G Est. Ft. of Pay - Por. - %
 Location: Sec. 19 Twp. 17^s Rge. 12^w Co. BARTON State Ks
 No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3046-3060 Initial Str Wt./Lbs. 34000 Unseated Str Wt./Lbs. 34000
 Anchor Length 148 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 56000
 Top Packer Depth 3041 Tool Weight 2200
 Bottom Packer Depth 3046 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes
 Total Depth 3060 Wt. Pipe Run - Drill Collar Run -
 Mud Wt. 9.2 LCM - Vis. 44 WL 8 Drill Pipe Size 4 1/2 X H Ft. Run 3054
 Blow Description IFP - WEAK Blow Throughout 3" to 3 1/4" Blow
FFP - WEAK Blow Throughout 1 1/2" to 2" Blow

Recovery — Total Feet 40 GIP - Ft. in DC - Ft. in DP 40
 Rec. 40 Feet Of Mud %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 100 °F Gravity - °API D@ - °F Corrected Gravity - °API
 RW - @ - °F Chlorides - ppm Recovery Chlorides 3500 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>1450</u>		<u>3027</u>	<u>91645</u>
(B) First Initial Flow Pressure		<u>33</u>		(depth) <u>3047</u>	T-Started <u>1928</u>
(C) First Final Flow Pressure		<u>32</u>		PSI Recorder No. <u>11085</u>	T-Open <u>0144</u>
(D) Initial Shut-In Pressure		<u>998</u>		(depth) <u>3057</u>	T-Pulled <u>0449</u>
(E) Second Initial Flow Pressure		<u>32</u>		PSI Recorder No. <u>-</u>	T-Out <u>0652</u>
(F) Second Final Flow Pressure		<u>34</u>		(depth) <u>-</u>	T-Off Location <u>0730</u>
(G) Final Shut-in Pressure		<u>999</u>		PSI Initial Opening <u>30</u>	
(Q) Final Hydrostatic Mud		<u>1430</u>		PSI Initial Shut-in <u>30</u>	

Final Flow 60 Safety Joint IFP
 Final Shut-in 60 Straddle IFP

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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 Tim Lauer TIM LAUER
 Our Representative Ray Schunger Thank you

Test Jars _____
 Safety Joint IFP
 Straddle IFP
 Circ. Sub _____
 Sample CONSERVATION DIVISION
 Extra Packer _____
 Elec. Rec. ✓
 Mileage ✓ 58 miles
 Other _____
 TOTAL PRICE \$ ✓



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

ORIGINAL

Coral Production Cor
1600 Stout Street,
suite1500
Denver, Colorado 80202
ATTN: Tim Lauer

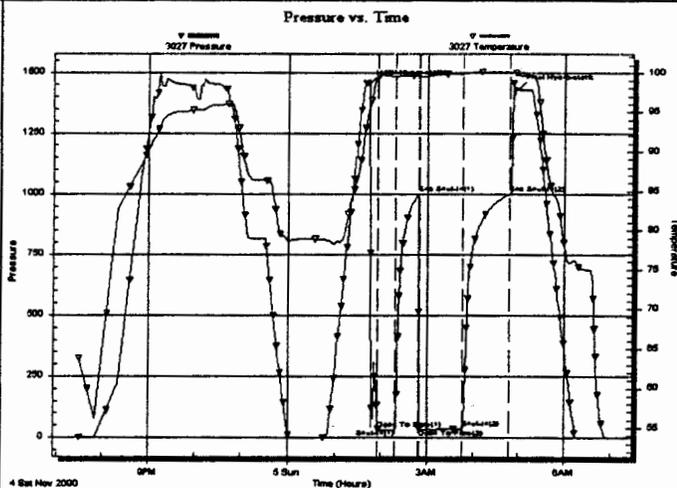
Finger #1
19-17s-12w Barton KS
Job Ticket: 13904 DST#: 1
Test Start: 2000.11.04 @ 19:28:00

GENERAL INFORMATION:

Formation: Oread
Deviated: No Whipstock: ft (CF)
Time Tool Opened: 01:54:38
Time Test Ended: 04:44:00
Interval: 3046.00 ft (CF) To 3060.00 ft (CF) (TVD)
Total Depth: 3060.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 16
Reference Elevations: ft (KB)
1946.00 ft (CF)
KB to GR/CF: ft

Serial #: 3027 Inside
Press@RunDepth: 34.67 psig @ 3047.01 ft (CF)
Start Date: 2000.11.04 End Date: 2000.11.05
Start Time: 19:29:44 End Time: 06:53:39
Capacity: 7000.00 psig
Last Calib.: 2000.11.04
Time On Btm: 2000.11.05 @ 01:42:38
Time Off Btm: 2000.11.05 @ 04:59:09

TEST COMMENT: IFF-w eak blow throughout
FFP-w eak blow throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
373	1450.58	95.11	Initial Hydro-static
385	33.11	99.56	Open To Flow (1)
408	32.39	99.53	Shut-in(1)
438	998.32	99.60	End Shut-in(1)
439	32.93	99.56	Open To Flow (2)
496	34.67	99.90	Shut-in(2)
558	999.14	100.10	End Shut-in(2)
570	1430.79	99.72	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
40.00	mud	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Cor

1600 Stout Street,
suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

Finger #1

19-17s-12w Barton KS
Job Ticket: 13904 DST#: 1
Test Start: 2000.11.04 @ 19:28:00

Tool Information

Drill Pipe:	Length: 3054.00 ft	Diameter: 3.80 inches	Volume: 42.84 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
Drill Pipe Above KB:	32.00 ft			Tool Chased 4.00 ft
Depth to Top Packer:	3041.00 ft			String Weight: Initial 34000.00 lb
Depth to Bottom Packer:	ft			Final 34000.00 lb
Interval between Packers:	ft			
Tool Length:	38.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3023.00	
S.I. Tool	5.00			3028.00	
HYD S.I. Tool	5.00			3033.00	
Safety Joint	3.00			3036.00	
Packer	5.00			3041.00	19.00 Bottom Of Top Packer
Packer	5.00			3046.00	
Stubb	1.00			3047.00	
Recorder	0.01	3027	Inside	3047.01	
Anchor	10.00			3057.01	
Recorder	0.01	11085	Outside	3057.02	
Bullnose	3.00			3060.02	19.02 Bottom Packers & Anchor

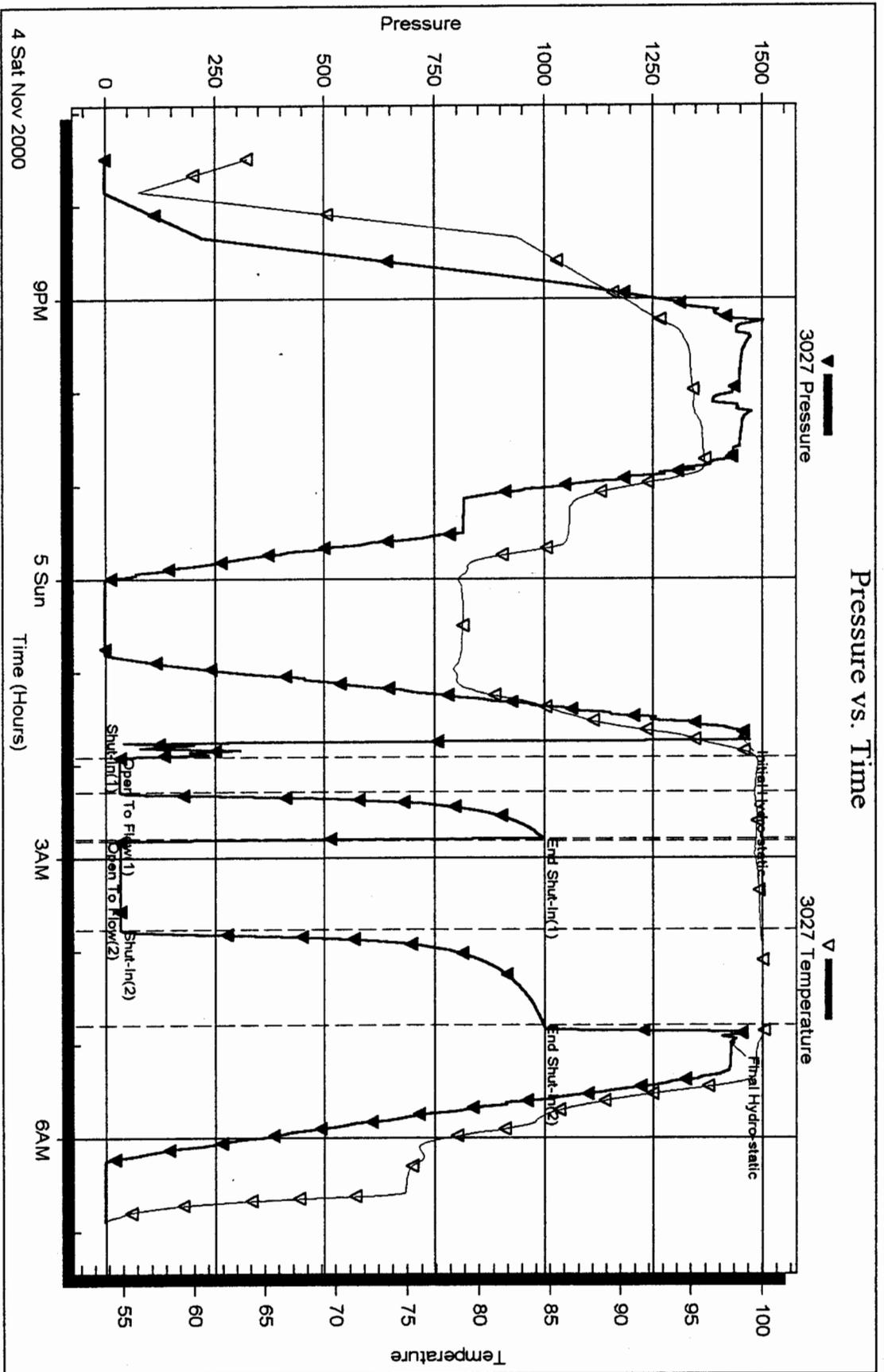
Total Tool Length: 38.02

Serial #: 3027

Inside

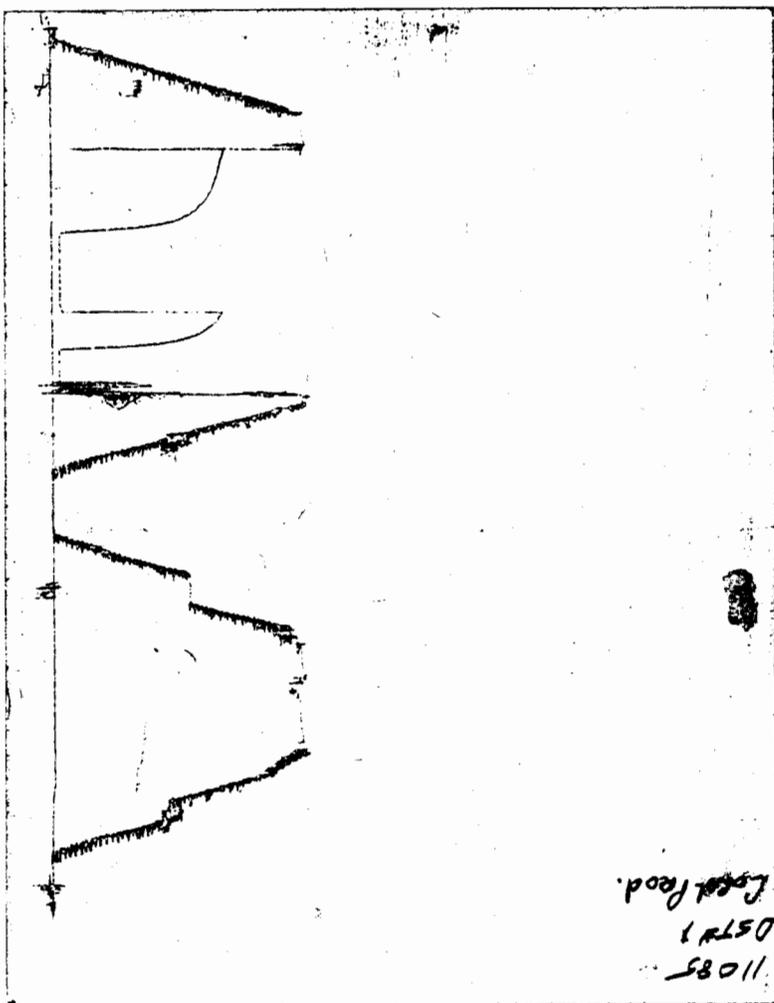
Coral Production Cor

19-17s-12w Barton KS



ORIGINAL

CHART PAGE



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

Test Ticket

Well Name & No. Finger #1 Test No. 2 Date 11-6-2000
 Company CORAL Production Corporation Zone Tested LKC
 Address 1600 Stewart Street, Suite 1500 Denver, Co 80202 Elevation 1951 KB 1946 GL
 Co. Rep / Geo. Tim Lauer Cont. Vonfeldt Drly Est. Ft. of Pay - Por. - %
 Location: Sec. 19 Twp. 17^s Rge. 12^w Co. BARTON State Ks
 No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3222 - 3290 Initial Str Wt./Lbs. 37000 Unseated Str Wt./Lbs. 42000
 Anchor Length 68 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3217 Tool Weight 2200
 Bottom Packer Depth 3222 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes
 Total Depth 3290 Wt. Pipe Run - Drill Collar Run -
 Mud Wt. 9.2 LCM - Vis. 44 WL 9.8 Drill Pipe Size 4 1/2 XH Ft. Run 3213
 Blow Description I FP - STRONG Blow in 2 min
FFP - STRONG Blow Throughout
HAD Blow on shut-in
GAS SURFACED APPROX 55 min into FINAL FLOW

Recovery — Total Feet 1315 GIP - Ft. in DC - Ft. in DP 1315
 Rec. 1240 Feet Of CLEAN OIL %gas - %oil - %water - %mud -
 Rec. 75 Feet Of SMGO %gas 5 %oil 88 %water 7 %mud -
 Rec. - Feet Of - %gas - %oil - %water - %mud -
 Rec. - Feet Of - %gas - %oil - %water - %mud -
 Rec. - Feet Of - %gas - %oil - %water - %mud -
 BHT 105 °F Gravity 30 °API D@ 40 °F Corrected Gravity 32 °API
 RW - @ - °F Chlorides - ppm Recovery Chlorides 5000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>1559</u>		<u>3027</u>	<u>0115</u>
(B) First Initial Flow Pressure		<u>97</u>		(depth) <u>3223</u>	T-Started <u>0153</u>
(C) First Final Flow Pressure		<u>338</u>		Recorder No. <u>11085</u>	T-Open <u>0413</u>
(D) Initial Shut-In Pressure		<u>777</u>		(depth) <u>3230</u>	T-Pulled <u>0713</u>
(E) Second Initial Flow Pressure		<u>327</u>		Recorder No. <u>-</u>	T-Out <u>1017</u>
(F) Second Final Flow Pressure		<u>514</u>		(depth) <u>-</u>	T-Off Location <u>1045</u>
(G) Final Shut-in Pressure		<u>672</u>		PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud		<u>1537</u>		PSI Initial Shut-in <u>30</u>	Jars <u>-</u>
				Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in <u>60</u>	Straddle <u>-</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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 Tim Lauer TIM LAUER

Our Representative Ray Schwager Thank you

Elec. Rec.
 Mileage 58
 Other -
 TOTAL PRICE \$ ✓



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Cor

1600 Stout Street,
suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

Finger #1

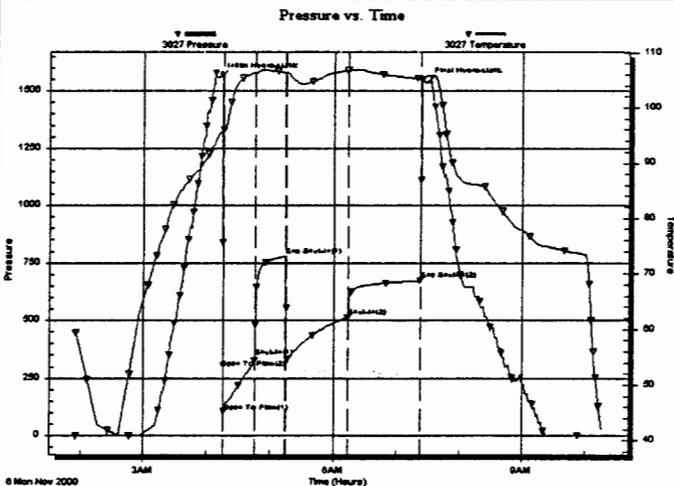
19-17s-12w Barton KS
Job Ticket: 13905 DST#: 2
Test Start: 2000.11.06 @ 01:53:00

GENERAL INFORMATION:

Formation: LKC	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (CF)	Tester: Ray Schwager
Time Tool Opened: 04:15:29	Unit No: 16
Time Test Ended: 07:13:00	Reference Elevations: ft (KB)
Interval: 3222.00 ft (CF) To 3290.00 ft (CF) (TVD)	1946.00 ft (CF)
Total Depth: 3290.00 ft (CF)	KB to GR/CF: ft
Hole Diameter: 7.85 inches	Hole Condition: Fair

Serial #: 3027 Inside	Capacity: 7000.00 psig
Press@RunDepth: 514.60 psig @ 3223.01 ft (CF)	Last Calib.: 2000.11.06
Start Date: 2000.11.06 End Date: 2000.11.06	Time On Btm: 2000.11.06 @ 04:12:29
Start Time: 01:55:04 End Time: 10:16:28	Time Off Btm: 2000.11.06 @ 07:28:29

TEST COMMENT: IFF-strong blow in 2min
FFP-strong blow throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
138	1559.28	95.40	Initial Hydro-static
141	97.78	95.98	Open To Flow (1)
171	338.40	106.43	Shut-In(1)
200	777.54	106.43	End Shut-In(1)
201	327.97	106.43	Open To Flow (2)
259	514.60	106.79	Shut-In(2)
328	672.86	105.25	End Shut-In(2)
334	1537.43	105.88	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
1240.00	clean oil	17.39
75.00	smgo 5%gas 7% mud 88%oil	1.05

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

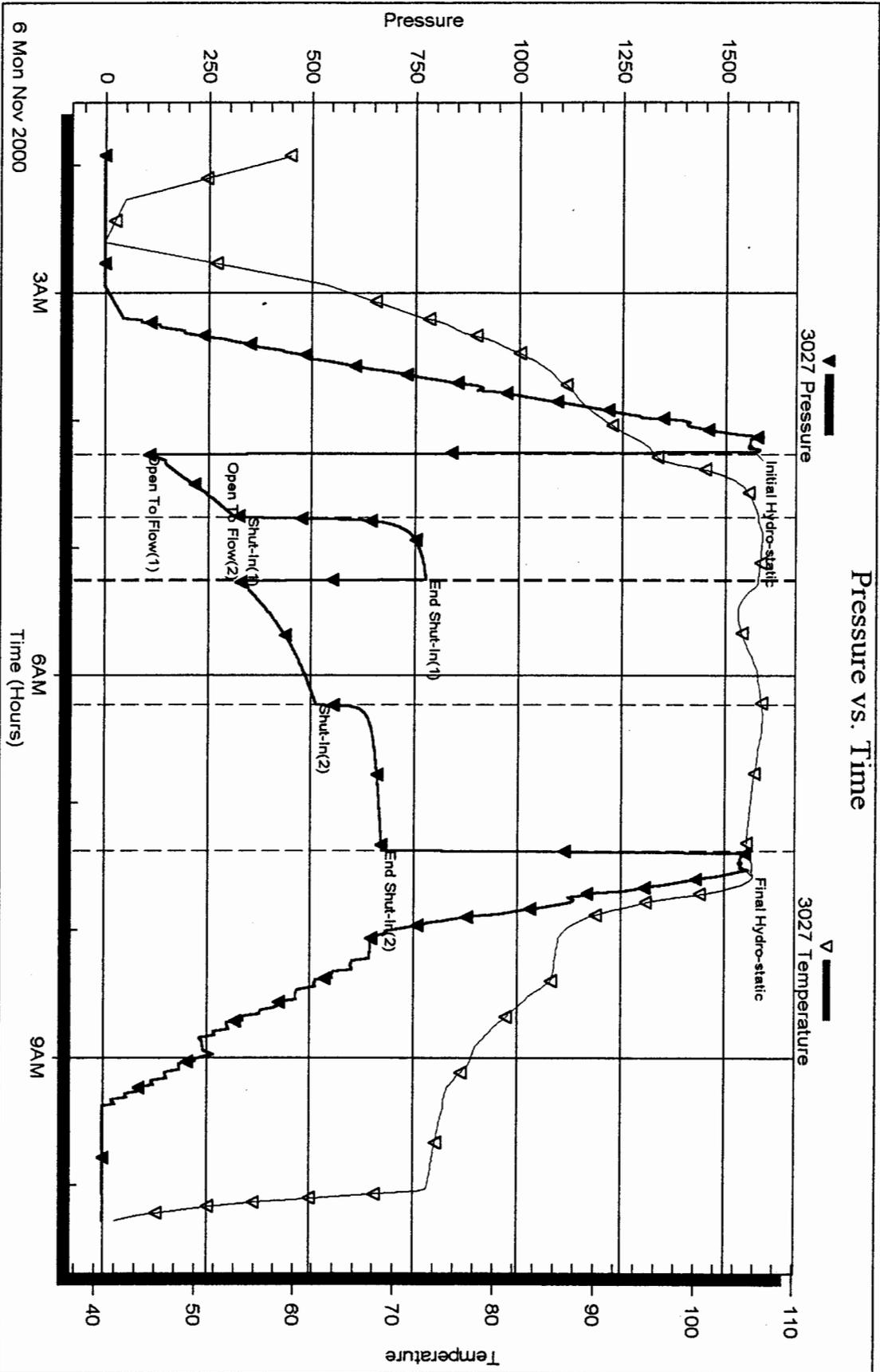
Coral Production Cor 1600 Stout Street, suite1500 Denver, Colorado 80202 ATTN: Tim Lauer	Finger #1 19-17s-12w Barton KS Job Ticket: 13905 DST#: 2 Test Start: 2000.11.06 @ 01:53:00
--	--

Tool Information

Drill Pipe: Length: 3213.00 ft	Diameter: 3.80 inches	Volume: 45.07 bbl	Tool Weight: 2200.00 lb
Drill Collar: Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe: Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
Drill Pipe Above KB: 15.00 ft			Tool Chased 0.00 ft
Depth to Top Packer: 3217.00 ft			String Weight: Initial 37000.00 lb
Depth to Bottom Packer: ft			Final 42000.00 lb
Interval between Packers: ft			
Tool Length: 92.02 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			3199.00	
S.I. Tool	5.00			3204.00	
HYD S.I. Tool	5.00			3209.00	
Safety Joint	3.00			3212.00	
Packer	5.00			3217.00	19.00 Bottom Of Top Packer
Packer	5.00			3222.00	
Stubb	1.00			3223.00	
Recorder	0.01	3027	inside	3223.01	
Anchor	7.00			3230.01	
Recorder	0.01	11085	Outside	3230.02	
C.O. Sub	1.00			3231.02	
Blank Spacing	30.00			3261.02	
C.O. Sub	1.00			3262.02	
Anchor	25.00			3287.02	
Bullnose	3.00			3290.02	73.02 Bottom Packers & Anchor
Total Tool Length:		92.02			



TRILOBITE TESTING ^{INC} ~~LLC~~

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

N^o 13906

Test Ticket

Well Name & No. <u>Finger #1</u>	Test No. <u>3</u>	Date <u>11-6-2000</u>
Company <u>CORAL PRODUCTION CORPORATION</u>	Zone Tested <u>LKC Hzone</u>	
Address <u>1100 STOUT STREET, SUITE 1500 DENVER, CO 80202</u>	Elevation <u>1951</u>	KB <u>1946</u> GL
Co. Rep / Geo. <u>TIM LAUER</u>	Cont. <u>UNFELDT DELG</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>19</u> Twp. <u>17</u>	Rge. <u>12</u>	Co. <u>BARTON</u> State <u>K</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested <u>3335-3355</u>	Initial Str Wt/Lbs. <u>37000</u>	Unseated Str Wt/Lbs. <u>37000</u>
Anchor Length <u>20</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>44000</u>
Top Packer Depth <u>3330</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3335</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3355</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>-</u>
Mud Wt. <u>9.2</u> LCM <u>TR</u> Vis. <u>50</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3337</u>
Blow Description <u>TFP - WEAK TO A STRONG BLOW IN 10 MIN</u>		
<u>FFP - STRONG BLOW IN 1 MIN</u>		
<u>NO BLOW ON SHUT-IN</u>		

Recovery — Total Feet <u>80</u>	GIP <u>1000</u>	Ft. in DC <u>-</u>	Ft. in DP <u>80</u>
Rec. <u>20</u> Feet Of <u>HOCM</u>	%gas <u>40</u>	%oil	%water <u>60</u> %mud
Rec. <u>60</u> Feet Of <u>CLEAN OIL</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
BHT <u>102</u> °F Gravity <u>40</u>	°API D ₆₀ <u>60</u>	°F Corrected Gravity <u>40</u>	°API
RW <u>-</u> @ <u>-</u> °F Chlorides <u>-</u>	ppm Recovery	Chlorides <u>5000</u>	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No. <u>3027</u>	T-On Location <u>2100</u>
(B) First Initial Flow Pressure		<u>14</u>	PSI	(depth) <u>3336</u>	T-Started <u>2122</u>
(C) First Final Flow Pressure		<u>22</u>	PSI	Recorder No. <u>11085</u>	T-Open <u>2354</u>
(D) Initial Shut-In Pressure		<u>1081</u>	PSI	(depth) <u>3352</u>	T-Pulled <u>0254</u>
(E) Second Initial Flow Pressure		<u>20</u>	PSI	Recorder No. <u>-</u>	T-Out <u>0452</u>
(F) Second Final Flow Pressure		<u>43</u>	PSI	(depth) <u>-</u>	T-Off Location <u>0530</u>
(G) Final Shut-in Pressure		<u>1085</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud		<u>1574</u>	PSI	Initial Shut-in <u>30</u>	Jars _____
				Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in <u>60</u>	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <input checked="" type="checkbox"/>
					Mileage <u>58</u>
					Other _____
					TOTAL PRICE \$ <input checked="" type="checkbox"/>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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 Tim Lauer TIM LAUER

Our Representative Ray Schwager Thark 404



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Cor
1600 Stout Street,
Suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

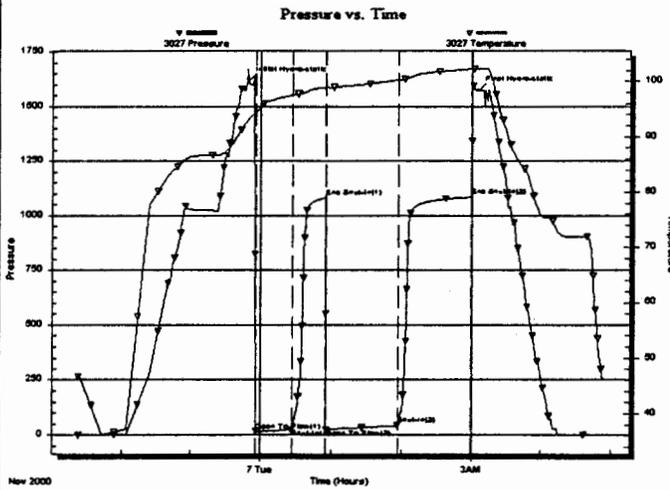
Finger #1
19-17s-12w Barton KS
Job Ticket: 13906 DST#: 3
Test Start: 2000.11.06 @ 21:22:00

GENERAL INFORMATION:

Formation: LKC H zone
Deviated: No Whipstock: ft (CF)
Time Tool Opened: 23:55:26
Time Test Ended: 02:54:00
Interval: 3335.00 ft (CF) To 3355.00 ft (CF) (TVD)
Total Depth: 3355.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 16
Reference Elevations: ft (KB)
1946.00 ft (CF)
KB to GR/CF: ft

Serial #: 3027 Inside
Press@RunDepth: 43.54 psig @ 3336.01 ft (CF) Capacity: 7000.00 psig
Start Date: 2000.11.06 End Date: 2000.11.07 Last Calib.: 2000.11.06
Start Time: 21:23:01 End Time: 04:53:25 Time On Btm: 2000.11.06 @ 23:49:26
Time Off Btm: 2000.11.07 @ 03:05:25

TEST COMMENT: IFF-strong blow in 10min
FFP-strong blow in 1min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
147	1615.74	93.13	Initial Hydro-static
153	14.74	94.40	Open To Flow (1)
184	22.96	97.45	Shut-In(1)
212	1081.60	98.92	End Shut-In(1)
213	20.35	98.97	Open To Flow (2)
274	43.54	100.20	Shut-In(2)
337	1085.42	102.23	End Shut-In(2)
343	1574.02	102.28	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
20.00	HOCM 40%oil 60% mud	0.28
60.00	clean oil	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Cor
1600 Stout Street,
Suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

Finger #1
19-17s-12w Barton KS
Job Ticket: 13906 DST#: 3
Test Start: 2000.11.06 @ 21:22:00

Tool Information

Drill Pipe:	Length: 3337.00 ft	Diameter: 3.80 inches	Volume: 46.81 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
Drill Pipe Above KB:	26.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3330.00 ft			String Weight: Initial 37000.00 lb
Depth to Bottom Packer:	ft			Final 37000.00 lb
Interval between Packers:	ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

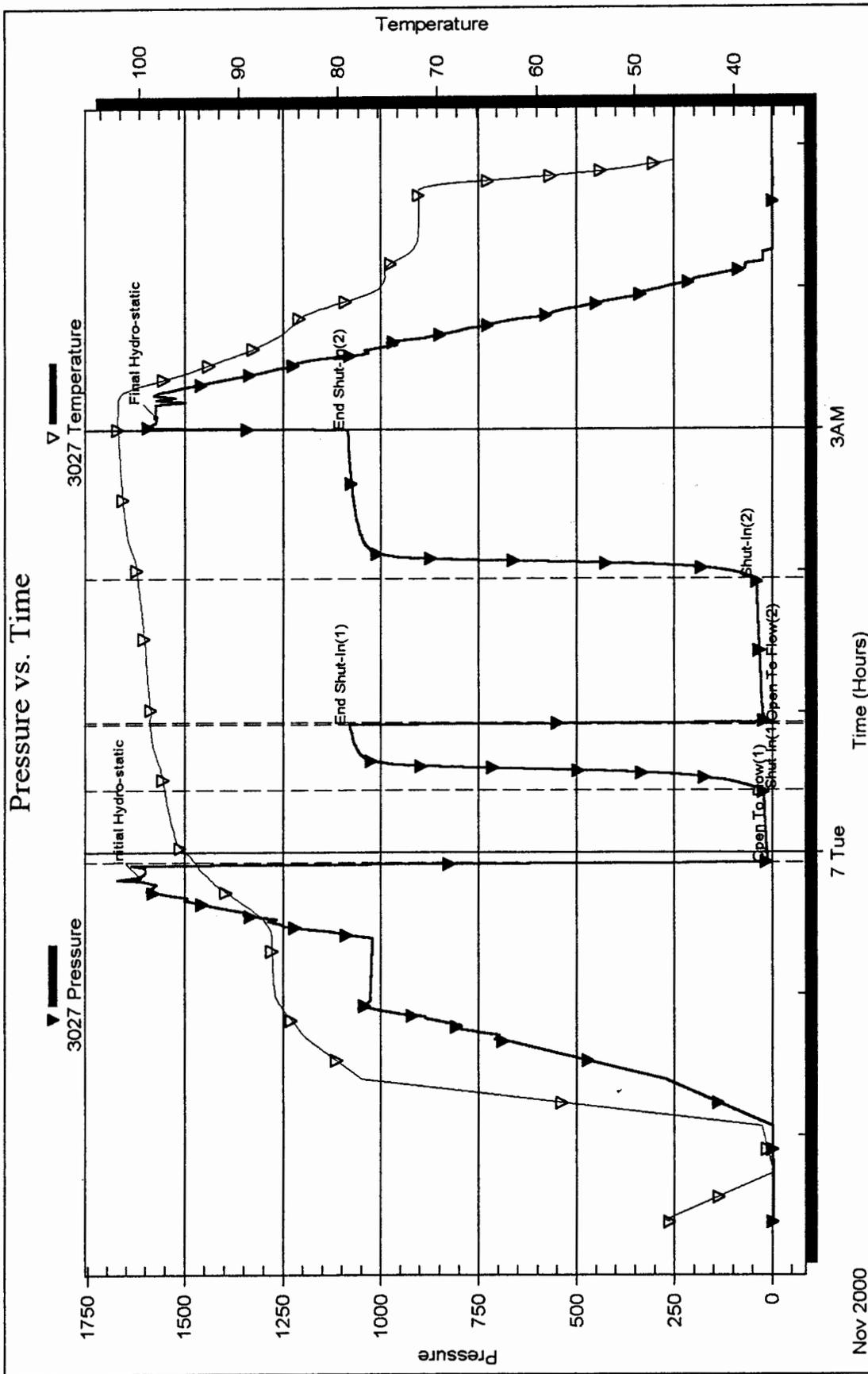
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3312.00	
S.I. Tool	5.00			3317.00	
HYD S.I. Tool	5.00			3322.00	
Safety Joint	3.00			3325.00	
Packer	5.00			3330.00	19.00 Bottom Of Top Packer
Packer	5.00			3335.00	
Stubb	1.00			3336.00	
Recorder	0.01	3027	Inside	3336.01	
Anchor	16.00			3352.01	
Recorder	0.01	11085	Outside	3352.02	
Bullnose	3.00			3355.02	25.02 Bottom Packers & Anchor

Total Tool Length: 44.02

Serial #: 3027

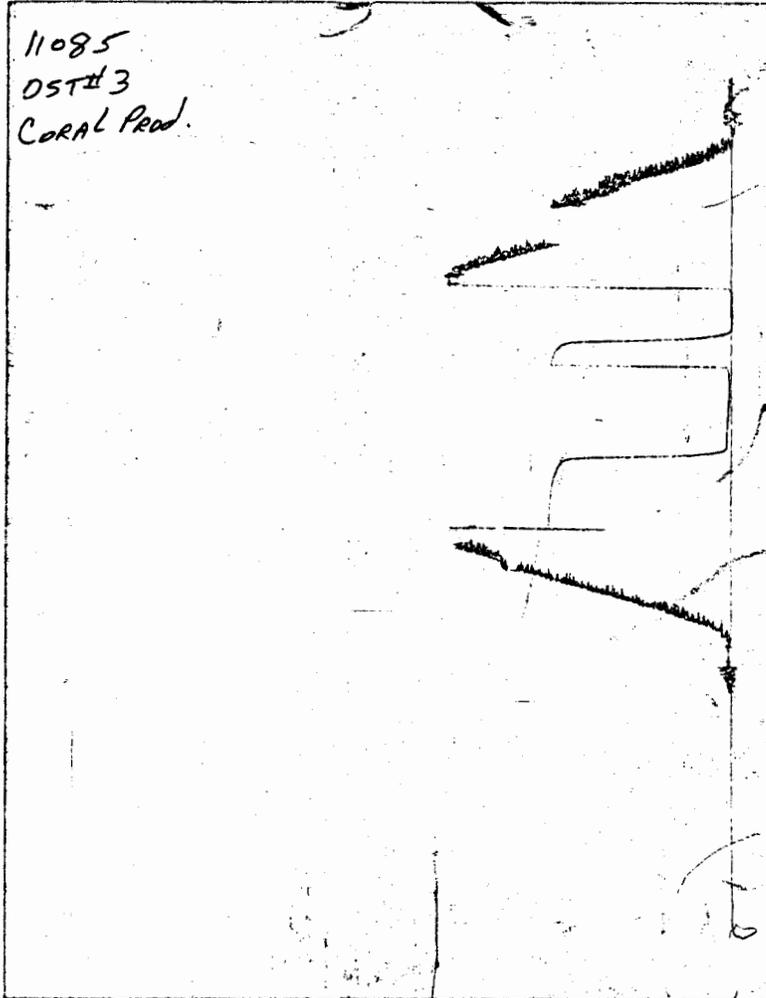
Inside Coral Production Cor

19-17s-12w Barton KS



ORIGINAL

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

ORIGINAL

N^o 13907

Test Ticket

Well Name & No. <u>Finger # 1</u>	Test No. <u>4</u>	Date <u>11-7-00</u>
Company <u>CORAL PRODUCTION CORPORATION</u>	Zone Tested <u>Arbuckle</u>	
Address <u>1600 STOUT STREET SUITE 1500 DENVER, CO 80202</u>	Elevation <u>1951</u>	KB <u>1946</u> GL
Co. Rep / Geo. <u>Tim Lauer</u>	Cont. <u>Vanfeldt Ddg</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>19</u>	Twp. <u>17</u>	Rge. <u>12</u>
Co. <u>BARTON</u>		State <u>Ks</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u>
		Evaluation (Y, N) <u>-</u>

Interval Tested <u>3440-3459</u>	Initial Str Wt/Lbs. <u>38000</u>	Unseated Str Wt/Lbs. <u>42000</u>
Anchor Length <u>19</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>45000</u>
Top Packer Depth <u>3435</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3440</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3459</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>-</u>
Mud Wt. <u>9.2</u> LCM <u>HR</u> Vis. <u>40</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3430</u>
Blow Description <u>IFP - STRONG BLOW IN 5 MIN</u>		
<u>FFP - STRONG BLOW IN 10 MIN</u>		

Recovery — Total Feet <u>1100</u>	GIP <u>-</u>	Ft. in DC <u>-</u>	Ft. in DP <u>1100</u>
Rec. <u>1100</u> Feet Of <u>WATER</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 <u>.61</u> @ <u>42</u> °F	Chlorides <u>22000</u> ppm	Recovery Chlorides <u>6000</u> ppm	System

(A) Initial Hydrostatic Mud	AK-1 <u>1664</u> Alpine	PSI Recorder No. <u>3027</u>	T-On Location <u>2145</u>
(B) First Initial Flow Pressure	<u>25</u>	PSI (depth) <u>3441</u>	T-Started <u>2211</u>
(C) First Final Flow Pressure	<u>282</u>	PSI Recorder No. <u>11085</u>	T-Open <u>0023</u>
(D) Initial Shut-In Pressure	<u>1130</u>	PSI (depth) <u>3456</u>	T-Pulled <u>0253</u>
(E) Second Initial Flow Pressure	<u>294</u>	PSI Recorder No. <u>-</u>	T-Out <u>0536</u>
(F) Second Final Flow Pressure	<u>515</u>	PSI (depth) <u>-</u>	T-Off Location <u>0620</u>
(G) Final Shut-in Pressure	<u>1133</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>1640</u>	PSI Initial Shut-in <u>30</u>	Jars _____
		Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/>
		Final Shut-in <u>60</u>	Straddle _____
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elec. Rec. <input checked="" type="checkbox"/>
			Mileage <input checked="" type="checkbox"/>
			Other _____
			TOTAL PRICE <input checked="" type="checkbox"/>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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 Tim Lauer

Our Representative Ray Schwager Thank you



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Cor

Finger #1

1600 Stout Street,
Suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

19-17s-12w Barton KS

Job Ticket: 13907

DST#: 4

Test Start: 2000.11.07 @ 22:11:00

GENERAL INFORMATION:

Formation: **ar buckle**

Deviated: **No** Whipstock: **ft (CF)**

Time Tool Opened: **00:24:39**

Time Test Ended: **02:53:00**

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3440.00 ft (CF) To 3459.00 ft (CF) (TVD)**

Total Depth: **3060.00 ft (CF)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **ft (KB)**

1946.00 ft (CF)

KB to GR/CF: ft

Serial #: **3027** Inside

Press@RunDepth: **515.63 psig @ 3441.01 ft (CF)**

Start Date: **2000.11.07**

End Date:

2000.11.08

Start Time: **22:12:14**

End Time:

05:37:38

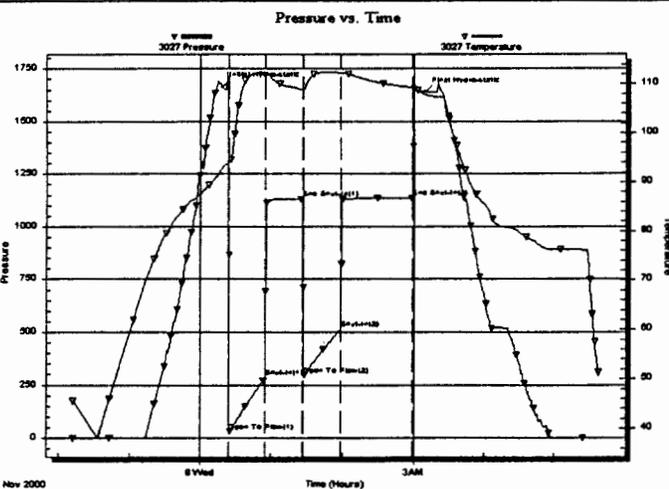
Capacity: **7000.00 psig**

Last Calib.: **2000.11.07**

Time On Btm: **2000.11.08 @ 00:18:39**

Time Off Btm: **2000.11.08 @ 03:09:38**

TEST COMMENT: **IFP-strong blow in 5min
FFP-strong blow in 10min**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
127	1664.45	92.99	Initial Hydro-static
133	25.92	94.06	Open To Flow (1)
163	282.45	112.41	Shut-In(1)
195	1130.02	108.88	End Shut-In(1)
196	294.74	108.86	Open To Flow (2)
227	515.63	112.25	Shut-In(2)
287	1133.47	109.21	End Shut-In(2)
298	1640.86	107.76	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
1100.00	water	15.43

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Cor

Finger #1

1600 Stout Street,
Suite 1500
Denver, Colorado 80202
ATTN: Tim Lauer

19-17s-12w Barton KS
Job Ticket: 13907 DST#: 4
Test Start: 2000.11.07 @ 22:11:00

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
Drill Pipe Above KB:	14.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3435.00 ft			String Weight: Initial 38000.00 lb
Depth to Bottom Packer:	ft			Final 42000.00 lb
Interval between Packers:	ft			
Tool Length:	43.02 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			3417.00	
S.I. Tool	5.00			3422.00	
HYD S.I. Tool	5.00			3427.00	
Safety Joint	3.00			3430.00	
Packer	5.00			3435.00	19.00 Bottom Of Top Packer
Packer	5.00			3440.00	
Stubb	1.00			3441.00	
Recorder	0.01	3027	Inside	3441.01	
Anchor	15.00			3456.01	
Recorder	0.01	11085	Outside	3456.02	
Bullnose	3.00			3459.02	24.02 Bottom Packers & Anchor

Total Tool Length: 43.02

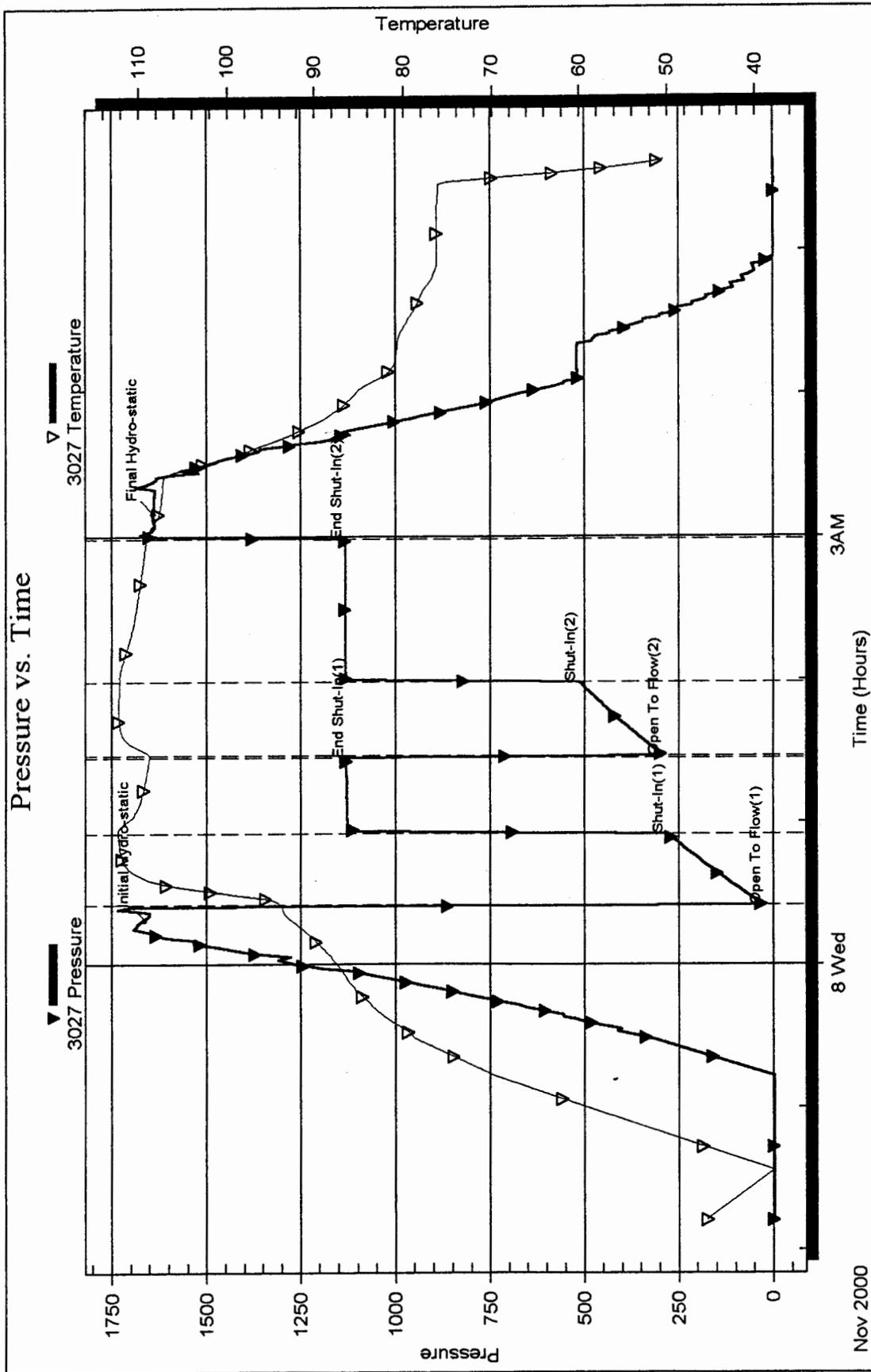
19-17s-12w Barton KS

Coral Production Cor

Inside

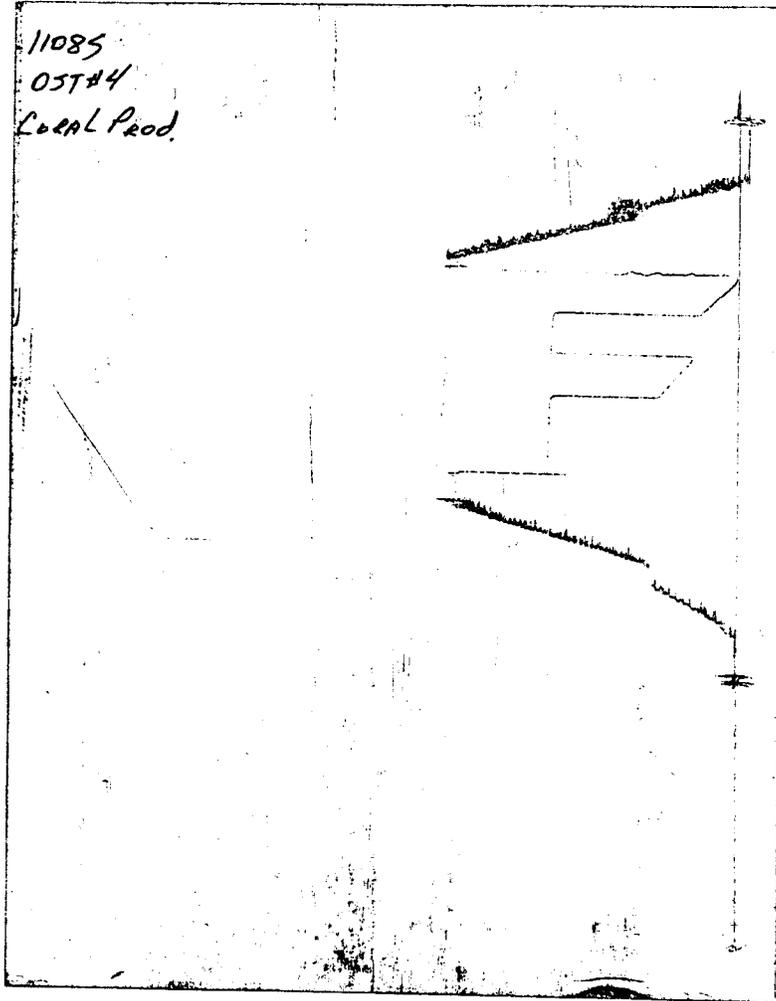
Serial #: 3027

Pressure vs. Time



ORIGINAL

CHART PAGE



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