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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Coral Coast Petl.**

200 E. First #001
Wichita KS 67202

ATTN: Kent Crisler

17-26s-21w Ford KS

Windhorst #1

Start Date: 2001.04.24 @ 22:41:00
End Date: 2001.04.25 @ 07:32:00
Job Ticket #: 14015 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Coral Coast Petl.

200 E. First #001
Wichita KS 67202

ATTN: Kent Crisler

Windhorst #1

17-26s-21w Ford KS

Job Ticket: 14015 **DST#: 1**

Test Start: 2001.04.24 @ 22:41:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:56:43
Time Test Ended: 07:32:00

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 13

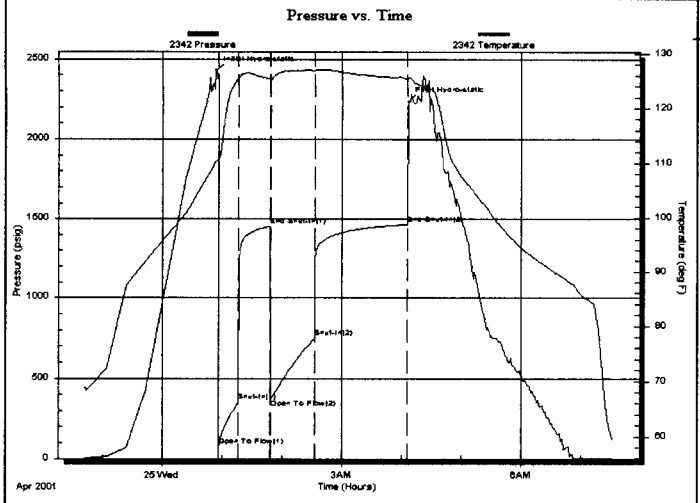
Interval: 4822.00 ft (KB) To 4831.00 ft (KB) (TVD)
Total Depth: 4831.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2333.00 ft (KB)
2328.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 2342 **Inside**
Press@RunDepth: 747.03 psig @ 4818.00 ft (KB)
Start Date: 2001.04.24 End Date: 2001.04.25
Start Time: 22:41:44 End Time: 07:32:13

Capacity: 7000.00 psig
Last Calib.: 2001.01.04
Time On Btm: 2001.04.25 @ 00:54:13
Time Off Btm: 2001.04.25 @ 04:07:13

TEST COMMENT: IF:Strong blow . B.O.B. in 5 1/2 mins.
ISI:Weak blow . (1/4 - 1/2")
FF:Strong blow . B.O.B. in 5 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2428.53	110.34	Initial Hydro-static
3	77.12	110.89	Open To Flow (1)
22	355.85	125.48	Shut-In(1)
54	1454.04	125.32	End Shut-In(1)
55	363.90	125.27	Open To Flow (2)
99	747.03	126.92	Shut-In(2)
192	1465.87	125.35	End Shut-In(2)
193	2231.80	125.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1560.00	Gassy Salt w ater Rw .14 ohms @ 50 de	19.70
60.00	MW @ oil specs 80%w 20%m	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Coast Petl.

200 E. First #001
Wichita KS 67202

ATTN: Kent Crisler

Windhorst #1

17-26s-21w Ford KS

Job Ticket: 14015 **DST#: 1**

Test Start: 2001.04.24 @ 22:41:00

Tool Information

Drill Pipe:	Length:	4568.00 ft	Diameter:	3.80	inches	Volume:	64.08 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25	inches	Volume:	1.18 bbl	Weight to Pull Loose:	95000.00 lb
						Total Volume:	65.26 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:		18.00 ft						String Weight: Initial	75000.00 lb
Depth to Top Packer:		4817.00 ft						Final	83000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		9.00 ft							
Tool Length:		36.00 ft							
Number of Packers:		2	Diameter:	6.75	inches				

Tool Comments:

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4791.00		
S.I. Tool	5.00			4796.00		
HMV	5.00			4801.00		
Jars	5.00			4806.00		
Safety Joint	2.00			4808.00		
Packer	4.00			4812.00	27.00	Bottom Of Top Packer
Packer	5.00			4817.00		
Stubb	1.00			4818.00		
Recorder	0.00	2342	Inside	4818.00		
Perforations	3.00			4821.00		
Recorder	0.00	10248	Outside	4821.00		
Bullnose	5.00			4826.00	9.00	Bottom Packers & Anchor
Total Tool Length:	**36.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Coast Petl.

200 E. First #001
Wichita KS 67202

ATTN: Kent Crisler

Windhorst #1

17-26s-21w Ford KS

Job Ticket: 14015 **DST#: 1**

Test Start: 2001.04.24 @ 22:41:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	76000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1560.00	Gassy Salt w ater Rw .14 ohms @ 50 deg.	19.696
60.00	MW @ oil specs 80%w 20%m	0.842

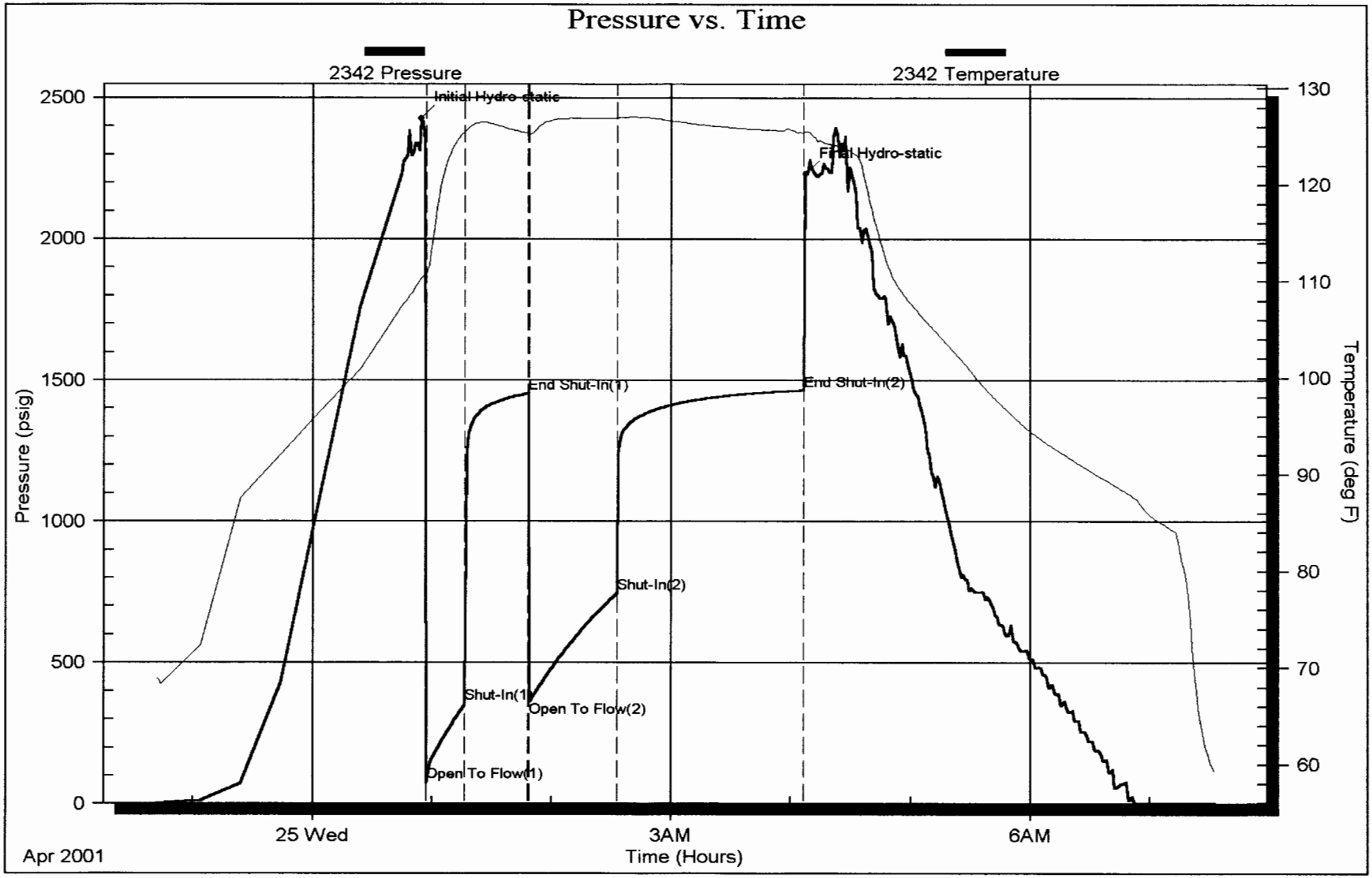
Total Length: 1620.00 ft Total Volume: 20.538 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Caraw ay Laboratory Location: Liberal KS

Recovery Comments:

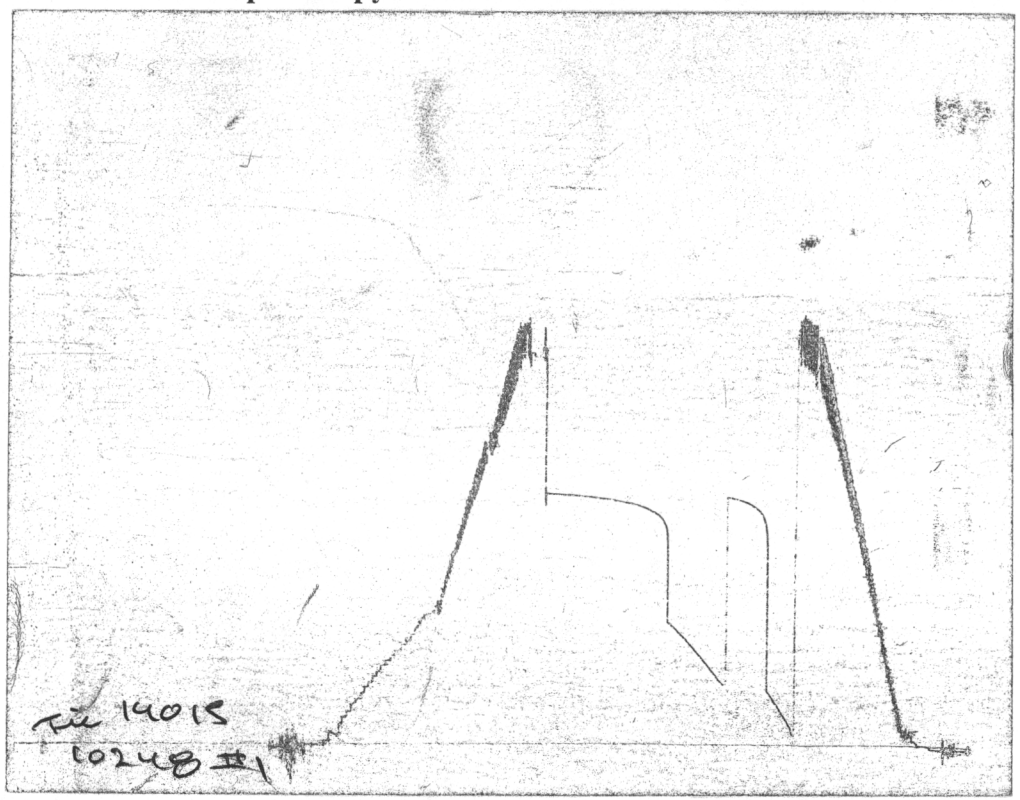
Serial #: 2342 **Inside** Coral Coast Petl. 17-26s-21w Ford KS DST Test Number: 1



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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 № 14015

Test Ticket

Well Name & No. Windhorst #1 Test No. 1 Date 4-24-2001

Company Coral Coast Petr. Zone Tested Miss.

Address 200 E. First #001, Wichita Ks. 67202 Elevation 2333 KB 2328 GL

Co. Rep / Geo. Kent Cosler Cont. Pickrell Drlg. #1 Est. Ft. of Pay 4 Por. ____ %

Location: Sec. 17 Twp. 26S Rge. 21W Co. Ford State Ks.

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4822 - 4831'

Anchor Length 9'

Top Packer Depth 4817'

Bottom Packer Depth 4822'

Total Depth 4831'

Initial Str Wt./Lbs. 75,000 Unseated Str Wt./Lbs. 83,000

Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 95,000

Tool Weight 2100 #

Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Wt. Pipe Run None Drill Collar Run 240'

Mud Wt. 9.3 LCM — Vis. 56 WL 9.6cc. Drill Pipe Size 4½" X.H. Ft. Run 4568'

Blow Description IF: Strong blow. B.O.B. in 5½ mins.
ISI: Weak blowback. (¼-½")
FF: Strong blow. B.O.B. in 5 mins. FSI: No blow.

Recovery — Total Feet 1620 GIP Trace Ft. in DC 240 Ft. in DP 1380

Rec. 60	Feet Of MW w oil specs.	%gas	%oil	80	%water 20	%mud
Rec. 1560	Feet Of Gassy Salt Water	%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 125 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW .14 @ 50 °F Chlorides 76,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		2439	PSI	Recorder No.	2342	T-On Location	2205
(B) First Initial Flow Pressure		77	PSI	(depth)	4823'	T-Started	2241
(C) First Final Flow Pressure		354	PSI	Recorder No.	10248	T-Open	0056
(D) Initial Shut-In Pressure		1454	PSI	(depth)	4826'	T-Pulled	0408
(E) Second Initial Flow Pressure		364	PSI	Recorder No.	~~~	T-Out	0732
(F) Second Final Flow Pressure		747	PSI	(depth)	~~~	T-Off Location	0850
(G) Final Shut-in Pressure		1466	PSI	Initial Opening	20	Test ✓	800.00
(Q) Final Hydrostatic Mud		3232	PSI	Initial Shut-in	30	Jars ✓	200.00
				Final Flow	45	Safety Joint ✓	50.00
				Final Shut-in	90	Straddle	
					4	Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec. ✓	150.00
						Mileage	70.00
						Other STAND BY ✓	30.00
						TOTAL PRICE $ ✓	1300.00

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 Kent Cosler

Our Representative Gary Swotrom