

DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St Ste 1500
Denver CO 80202

ATTN: Rick Hall

13 10 24W Graham KS

V Gano #13-3

Start Date: 2007.09.04 @ 05:48:57

End Date: 2007.09.04 @ 12:54:27

Job Ticket #: 28890 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

V Gano #13-3

1600 Stout St Ste 1500
Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28890

DST#: 1

ATTN: Rick Hall

Test Start: 2007.09.04 @ 05:48:57

GENERAL INFORMATION:

Formation: **Lansing-E-F**

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

Time Tool Opened: 07:58:27

Time Test Ended: 12:54:27

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3890.00 ft (KB) To 3918.00 ft (KB) (TVD)**

Reference Elevations: **2479.00 ft (KB)**

Total Depth: **3918.00 ft (KB) (TVD)**

2471.00 ft (CF)

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: **8.00 ft**

Serial #: 6719

Inside

Press@RunDepth: **70.29 psig @ 3892.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2007.09.04**

End Date:

2007.09.04

Last Calib.: **2007.09.04**

Start Time: **05:48:59**

End Time:

12:54:27

Time On Btm: **2007.09.04 @ 07:57:27**

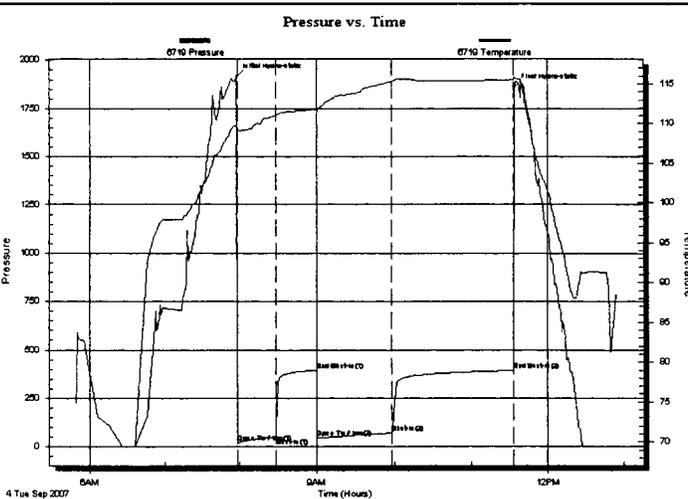
Time Off Btm: **2007.09.04 @ 11:33:27**

TEST COMMENT: **IFP Weak Blow Built to 4-1/2 "**

ISI Dead

FFP Weak Blow Built to 5 "

FSI Dead



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.37	109.79	Initial Hydro-static
1	19.68	109.39	Open To Flow (1)
31	44.90	110.99	Shut-In(1)
62	394.92	111.76	End Shut-In(1)
63	45.99	111.65	Open To Flow(2)
121	70.29	115.30	Shut-In(2)
216	392.84	115.53	End Shut-In(2)
216	1858.34	115.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 60%W 40%M w/Oil Stain	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

V Gano #13-3

1600 Stout St Ste 1500
Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28890

DST#: 1

ATTN: Rick Hall

Test Start: 2007.09.04 @ 05:48:57

Tool Information

Drill Pipe:	Length: 3860.00 ft	Diameter: 3.80 inches	Volume: 54.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3890.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3863.00	
Shut In Tool	5.00			3868.00	
Hydraulic tool	5.00			3873.00	
Jars	5.00			3878.00	
Safety Joint	2.00			3880.00	
Packer	5.00			3885.00	28.00 Bottom Of Top Packer
Packer	5.00			3890.00	
Stubb	1.00			3891.00	
Perforations	1.00			3892.00	
Recorder	0.00	6719	Inside	3892.00	
Perforations	23.00			3915.00	
Recorder	0.00	13221	Outside	3915.00	
Bullnose	3.00			3918.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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FLUID SUMMARY

Coral Production Corporation

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Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28890

DST#: 1

ATTN: Rick Hall

Test Start: 2007.09.04 @ 05:48:57

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:

20000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 60%W 40%M w /Oil Stain	1.401

Total Length: 120.00 ft

Total Volume: 1.401 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

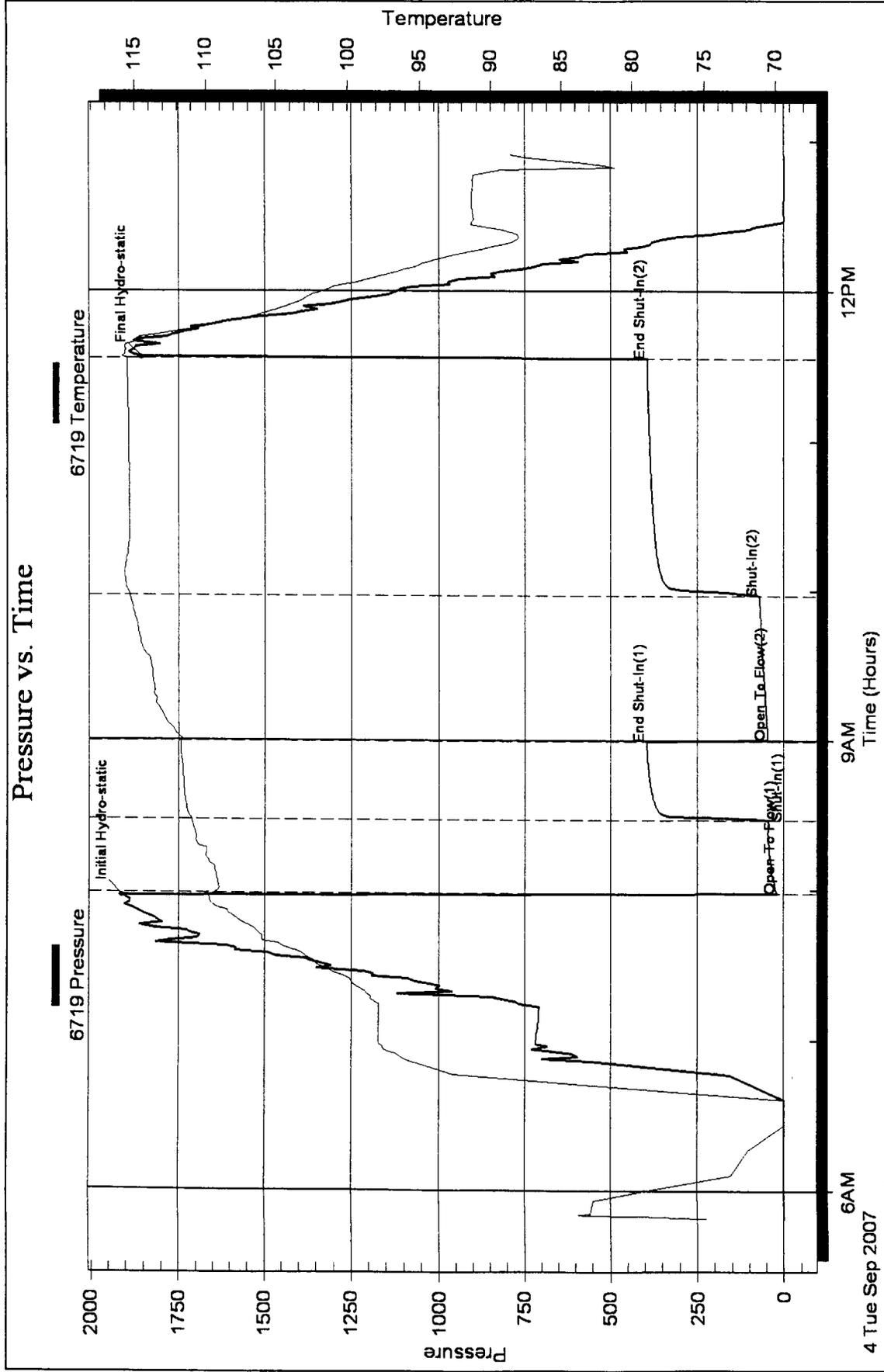
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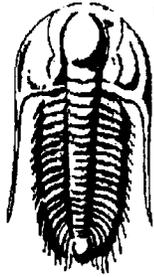
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St Ste 1500
Denver CO 80202

ATTN: Rick Hall

13 10 24W Graham KS

V Gano #13-3

Start Date: 2007.09.05 @ 04:49:07

End Date: 2007.09.05 @ 13:05:07

Job Ticket #: 28891 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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DRILL STEM TEST REPORT

Coral Production Corporation

V Gano #13-3

1600 Stout St Ste 1500
Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28891

DST#: 2

ATTN: Rick Hall

Test Start: 2007.09.05 @ 04:49:07

GENERAL INFORMATION:

Formation: "I-J-K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:27:37

Time Test Ended: 13:05:07

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3974.00 ft (KB) To 4030.00 ft (KB) (TVD)

Reference Elevations: 2479.00 ft (KB)

Total Depth: 4030.00 ft (KB) (TVD)

2471.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 296.35 psig @ 4009.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.09.05

End Date: 2007.09.05

Last Calib.: 2007.09.05

Start Time: 04:49:09

End Time: 13:05:07

Time On Btm: 2007.09.05 @ 06:27:07

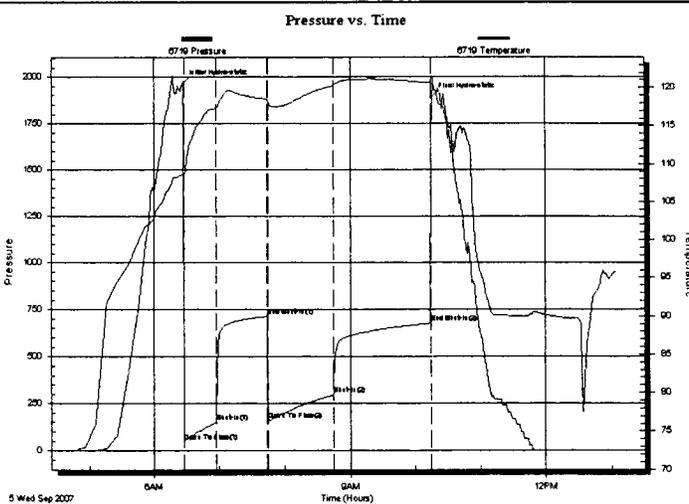
Time Off Btm: 2007.09.05 @ 10:15:07

TEST COMMENT: IFP Strong Blow BOB in 2 min. 45 sec.

ISI Blow back Built to 11 "

FFP BOB on Open

FSI Blow back BOB in 4 Mn Gas to Surface 10 min into Shut In



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.50	108.64	Initial Hydro-static
1	49.70	108.24	Open To Flow (1)
31	151.11	117.32	Shut-In(1)
77	714.26	118.50	End Shut-In(1)
78	163.69	118.28	Open To Flow (2)
137	296.35	120.25	Shut-In(2)
227	676.90	120.61	End Shut-In(2)
228	1889.57	121.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	GMCO 50%G 35%O 15%M	3.08
500.00	GO 60%G 40%O	7.01

Gas Rates

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



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TOOL DIAGRAM

Coral Production Corporation

V Gano #13-3

1600 Stout St Ste 1500
Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28891

DST#: 2

ATTN: Rick Hall

Test Start: 2007.09.05 @ 04:49:07

Tool Information

Drill Pipe:	Length: 3922.00 ft	Diameter: 3.80 inches	Volume: 55.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 55.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3974.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3947.00	
Shut In Tool	5.00			3952.00	
Hydraulic tool	5.00			3957.00	
Jars	5.00			3962.00	
Safety Joint	2.00			3964.00	
Packer	5.00			3969.00	28.00 Bottom Of Top Packer
Packer	5.00			3974.00	
Stubb	1.00			3975.00	
Perforations	1.00			3976.00	
Change Over Sub	1.00			3977.00	
Blank Spacing	31.00			4008.00	
Change Over Sub	1.00			4009.00	
Recorder	0.00	6719	Inside	4009.00	
Perforations	18.00			4027.00	
Recorder	0.00	13221	Outside	4027.00	
Bullnose	3.00			4030.00	56.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



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V Gano #13-3

1600 Stout St Ste 1500
Denver CO 80202

13 10 24W Graham KS

Job Ticket: 28891

DST#: 2

ATTN: Rick Hall

Test Start: 2007.09.05 @ 04:49:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	GMCO 50%G 35%O 15%M	3.084
500.00	GO 60%G 40%O	7.014

Total Length: 740.00 ft

Total Volume: 10.098 bbl

Num Fluid Samples: 0

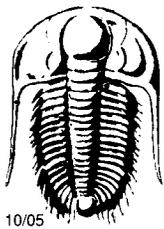
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/85

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SEP 06 2007

BY: _____

Test Ticket

Well Name & No. V. Gano #13-3 Test No. 1 Date 9-4-07
 Company Coral Production Corp. Zone Tested Lansing E-F
 Address 1600 Stout St, Suite 1500, Denver, Co. 80202 Elevation 2479 KB 2471 GL
 Co. Rep / Geo. Rick Hall Rig Discovery #1
 Location: Sec. 13 Twp. 10s Rge. 24w Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3890 - 3918 Initial Str Wt./Lbs. 59,000 Unseated Str Wt./Lbs. 59,000
 Anchor Length 28' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3885 Tool Weight 2000
 Bottom Packer Depth 3890 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3918 Wt. Pipe Run 0 Drill Collar Run 31
 Mud Wt. 9.0 LCM 1/2" Vis. 58 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description IFP - Weak Blow, Built to 4 1/2"
ISI - Dead
FFP - Weak Blow, Built to 5"
FSI - Dead

Recovery - Total Feet 120 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 120 Feet of Muddy Water w/o:1 stain %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 116° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .268 @ 89° °F Chlorides 20,000 ppm Recovery _____ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.		
(A) Initial Hydrostatic Mud		<u>1913</u> PSI	<u>6719</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure		<u>20</u> PSI	(depth) <u>3892</u>	Jars	<u>250</u>
(C) First Final Flow Pressure		<u>45</u> PSI	Recorder No. <u>13221</u>	Safety Jt.	<u>75</u>
(D) Initial Shut-In Pressure		<u>395</u> PSI	(depth) <u>3915</u>	Circ Sub	_____
(E) Second Initial Flow Pressure		<u>46</u> PSI	Recorder No. _____	Sampler	_____
(F) Second Final Flow Pressure		<u>70</u> PSI	(depth) _____	Straddle	_____
(G) Final Shut-In Pressure		<u>393</u> PSI	Initial Opening <u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud		<u>1858</u> PSI	Initial Shut-In <u>30</u>	Shale Packer	_____

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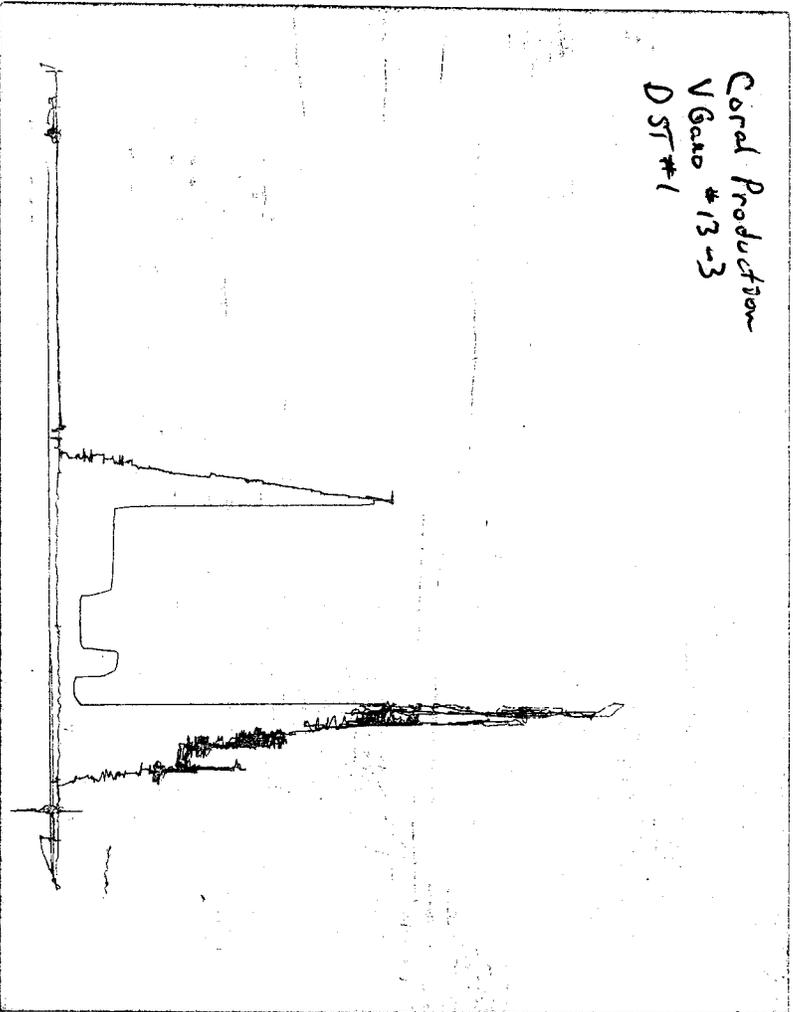
Approved By _____

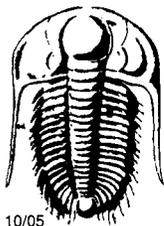
Our Representative J. McLenore Thank You

Final Flow 60
 Final Shut-In 90
 T-On Location 5:07
 T-Started 5:48
 T-Open 7:57
 T-Pulled 11:27
 T-Out 12:53

Ruined Packer _____
 Mileage 110 RT 137.50
 Sub Total: _____
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: \$1562.50

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28891

RECEIVED
SEP 06 2007

Test Ticket

BY: _____

Well Name & No. V. Gano #13-3 Test No. 2 Date 9-5-07
 Company Coral Production Corp. Zone Tested I-J-K
 Address 1600 Starr St. Suite 1500, Denver, Co. 80202 Elevation 2479 KB 2471 GL
 Co. Rep / Geo. Rick Hall Rig Discovery #1
 Location: Sec. 13 Twp. 10s Rge. 24w Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3974-4030 Initial Str Wt./Lbs. 60,000 Unseated Str Wt/Lbs. 62,000
 Anchor Length 56' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 64,000
 Top Packer Depth 3969 Tool Weight 2,000
 Bottom Packer Depth 3974 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4030 Wt. Pipe Run 0 Drill Collar Run 31
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 X 14 Ft. Run 3922
 Blow Description IFP- Strong Blow BOB in 2 min 45 sec.
TSI- Blowback Built to 11"
FFP- BOB on open
FSI- Blowback BOB in 4 min, Gas to surface in 10 minutes of shut in.

Recovery - Total Feet 740 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 500 Feet of Gassy Oil 60 %gas 40 %oil %water %mud
 Rec. 240 Feet of Mud Cut oil (Gassy) 50 %gas 35 %oil %water 15 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 121° °F Gravity 43 °API D @ 90° °F Corrected Gravity 40 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	1967	PSI	6719	1200	
(B) First Initial Flow Pressure	50	PSI	(depth) 3977	Jars	250
(C) First Final Flow Pressure	151	PSI	Recorder No. 13221	Safety JT.	75
(D) Initial Shut-In Pressure	714	PSI	(depth) 4027	Circ Sub	
(E) Second Initial Flow Pressure	164	PSI	Recorder No.	Sampler	
(F) Second Final Flow Pressure	296	PSI	(depth)	Straddle	
(G) Final Shut-In Pressure	677	PSI	Initial Opening 30	Ext. Packer	
(Q) Final Hydrostatic Mud	1890	PSI	Initial Shut-In 45	Shale Packer	
			Final Flow 60	Ruined Packer	
			Final Shut-In 90	Mileage	110 at 137.50

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Approved By _____

Our Representative G. Mc Lomon *Thank you!*

T-On Location 3:40
 T-Started 4:49
 T-Open 6:28
 T-Pulled 10:13
 T-Out 13:05
 Sub Total: _____
 Std. By: _____
 Acc. Chg: _____
 Other: _____
 Total: \$11062.50

CHART PAGE

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

