

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32639  
Name: CORAL PRODUCTION CORP.  
Address: 1600 STOUT ST, SUITE 1500  
City/State/Zip: DENVER, CO 80202  
Purchaser: COFFEVILLE  
Operator Contact Person: JIM WEBER  
Phone: (303) 623-3573  
Contractor: Name: DISCOVERY DRILLING  
License: 31548  
Wellsite Geologist: RICHARD HALL

RECEIVED

AUG 19 2009

KCC WICHITA

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
7/21/09                      7/28/09                      8/7/09  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                           Recompletion Date

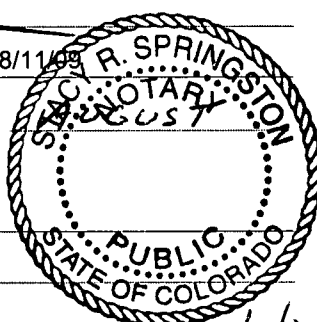
API No. 15 - 195-22611-00-00  
County: TREGO  
NE NW SE Sec. 17 Twp. 11 S. R. 24  East  West  
2360 feet from (S) N (circle one) Line of Section  
1920 feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: HOBER Well #: 17-3  
Field Name: WILDCAT  
Producing Formation: LANSING/KANSAS CITY  
Elevation: Ground: 2423' Kelly Bushing: 2431'  
Total Depth: 4060' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 215.51 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2045' Feet  
If Alternate II completion, cement circulated from 2045'  
feet depth to SURFACE w/ 425 SKS sx cmt.

Drilling Fluid Management Plan Alt II NCR 10-7-09  
(Data must be collected from the Reserve Pit)  
Chloride content 16,000 ppm Fluid volume 320 bbls  
Dewatering method used ALLOWED TO DRY & BACKFILL  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: J R Wells  
Title: PRESIDENT Date: 8/11/09  
Subscribed and sworn to before me this 12 day of AUGUST  
2009  
Notary Public: Stacy R Spivey  
Date Commission Expires: \_\_\_\_\_



My Commission Expires 8/11/2013

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: CORAL PRODUCTION CORP. Lease Name: HOBER Well #: 17-3  
 Sec. 17 Twp. 11 S. R. 24  East  West County: TREGO

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  COMPENSATED DENSITY/NEUTRON 4036'-3200' MICRO LOG 4042'-3200' DUAL INDUCTION 4058'-SURFACE <input checked="" type="checkbox"/> SONIC LOG 4052'-200'	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>ANHYDRITE</td> <td>2022'</td> <td>409'</td> </tr> <tr> <td>TOPEKA</td> <td>3509'</td> <td>-1078'</td> </tr> <tr> <td>HEEBNER</td> <td>3729'</td> <td>-1298'</td> </tr> <tr> <td>LANSING</td> <td>3764'</td> <td>-1333'</td> </tr> <tr> <td>BKC</td> <td>3999'</td> <td>-1568'</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	2022'	409'	TOPEKA	3509'	-1078'	HEEBNER	3729'	-1298'	LANSING	3764'	-1333'	BKC	3999'	-1568'
Name	Top	Datum																	
ANHYDRITE	2022'	409'																	
TOPEKA	3509'	-1078'																	
HEEBNER	3729'	-1298'																	
LANSING	3764'	-1333'																	
BKC	3999'	-1568'																	

**RECEIVED**  
**AUG 19 2009**  
**KCC WICHITA**

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4"	8 5/8" NEW	20	215'	COMM	150	3% CC, 2% GEL
PRODUCTION	7 7/8"	5 1/2" USED	14	4058'	PRO C	150	10% SALT, 5% GILSONITE

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2045'	60/40 POZ	425	6% GEL, 1/4 LB/SK FLO SEAL

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3947'-3952'	500 GAL 20% MUD ACID	3952'
		4000 GAL 20% NEFE W/4% MES	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	3977'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	45			27

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

(If vented, Submit ACO-18.)



# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

RECEIVED  
AUG 07 2009

CORAL PRODUCTIONS CORP.

## DRILLER'S LOG

Operator: Coral Production Corporation. LIC# 32639  
1600 Stout Street, Suite 1500  
Denver, CO 80202

Contractor: Discovery Drilling Co., Inc. LIC#31548  
PO Box 763  
Hays, KS 67601

Lease: Hober # 17-3

Location: 50' N & 270' W of NE / NW / SE  
Sec. 17 / 11S / 24W  
Trego Co., KS

Loggers Total Depth: 4060'

API#15- 195-22, 611-00-00

Rotary Total Depth: 4060'

Elevation: 2423' GL / 2431' KB

Commenced: 7/21/2009

Completed: 7/29/2009

Casing: 8 5/8" @ 215.51' w / 150 sks

Status: Oil Well

5 1/2" @ 4058' w / 150 sks

(DV Tool @ 2045' w / 375 sks)

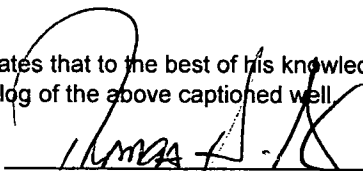
### DEPTHS & FORMATIONS

(All from KB)

Surface, Sand & Shale	0'	Shale	2066'
Dakota Sand	1259'	Shale & Lime	2442'
Shale	1339'	Shale	2792'
Cedar Hill Sand	1571'	Shale & Lime	3064'
Red Bed Shale	1787'	Lime & Shale	3701'
Anhydrite	2025'	RTD	4060'
Base Anhydrite	2066'		

STATE OF KANSAS )  
                                  ) ss  
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

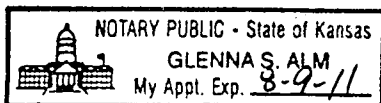
  
Thomas H. Alm

Subscribed and sworn to before me on 7-30-09

My Commission expires: 8-9-11

(Place stamp or seal below)

  
Notary Public



COPY

RECEIVED  
AUG 19 2009  
KCC WICHITA

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

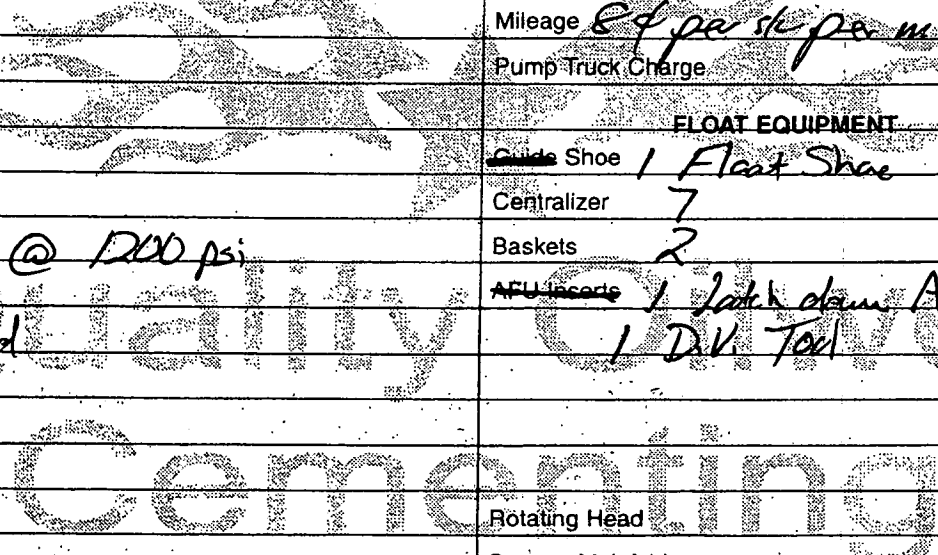
No. 3359

Date	7-29-09	Sec.		Twp.		Range		County	Trego	State	Kansas	On Location		Finish	6:30am	
Lease	Hober	Well No.	17-3		Location		Wakeney 6W 4N									
Contractor	Discovery Drilling Rigs				Owner		To Quality Oilwell Cementing, Inc.									
Type Job	DK (Bottom)				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	7 7/8		T.D.		4060		Charge To									
Csg.	5 1/2		Depth		4058		Casal Production Corp									
Tbg. Size			Depth				Street									
Drill Pipe			Depth				City									
Tool	D.V. #100		Depth		2045'		State									
Cement Left in Csg.	12'		Shoe Joint		12'		The above was done to satisfaction and supervision of owner agent or contractor.									
Press Max.			Minimum		12'		CEMENT									
Meas Line			Displace				Amount Ordered 150 Pro-C									
Perf.							Common 10% Salt 5% Gilsante									
EQUIPMENT							ZOC Mix 500 Gal Mud Clear-48									
							Pro-C 150 @ 11									
Pumptrk	1	No.	Cementer	Steve	Helper		Calcium									
Bulktrk	8	No.	Driver	Blake	Driver		Mills Gilsante 700# @ 70¢									
Bulktrk		No.	Driver	Brandon	Driver		Salt 15 @									
JOB SERVICES & REMARKS							Flowseal									
Pumptrk Charge	Bottom Stage		750 <sup>00</sup>		Mud Clear 48		500 @		400 <sup>00</sup>							
Mileage	50 @ 6 <sup>00</sup>															
Footage																
Total							Handling		150 @ 2 <sup>00</sup>							
Remarks:					Mileage		8¢ per sk per mile		300 <sup>00</sup>							
							Pump Truck Charge									
							FLOAT EQUIPMENT									
							Guide Shoe		1 Float Shoe		350 <sup>00</sup>					
							Centralizer		7		280 <sup>00</sup>					
							Baskets		2		300 <sup>00</sup>					
							AFU Incade		1 Latch dam Assy		350 <sup>00</sup>					
							AFU Incade		1 D.V. Tool		2800 <sup>00</sup>					
							Rotating Head									
							Squeeze Mainfold									
							Tax									
							Discount									
							Total Charge									

RECEIVED  
AUG 19 2009  
KCC WICHITA

*Thank you*

X Signature *Cliff Mapele*



# QUALITY OILWELL CEMENTING, INC.

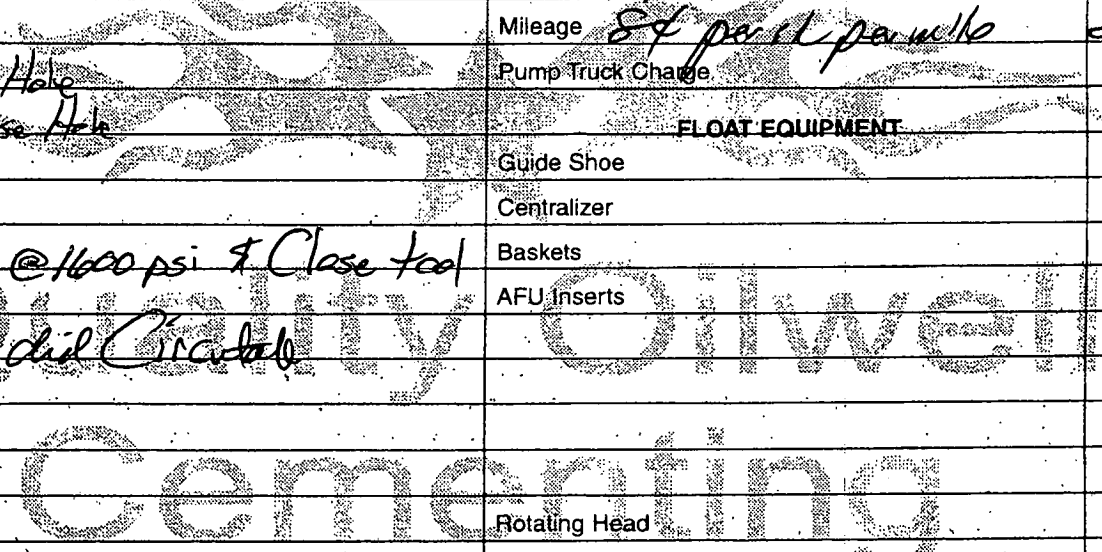
Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3360

Date	Sec.	Twp.	Range	County	State	On Location	Finish	
7-29-09	17	11	24	Trego	Kansas		8:15 AM	
Lease Heber	Well No. 17-3		Location Wakarusa (W) 4W					
Contractor Discovery Drilling Rig 1	Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job D.K. (Top)	Charge To Carol Production Corp							
Hole Size 7 7/8	T.D. 4060		Depth 4058					
Csg. 5 1/2	Depth		Street					
Tbg. Size	Depth		City					State
Drill Pipe	Depth		City					State
Tool D.K.	Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.	Shoe Joint		CEMENT					
Press Max.	Minimum		Amount Ordered 425 with a 60 lb bag 1/16 Flo Sand					
Meas Line	Displace		Common 255 @ 10.00					
Perf.			Poz. Mix 170 @ 26.00					
EQUIPMENT			Gel. 22 @ 17.00					
Pumptrk 1	No.	Cementor	Calcium					
		Helper	Mills					
Bulktrk 4	No.	Driver	Salt					
		Driver	Flowseal 100 @ 2.00					
		Driver	Handling 447 @ 2.00					
		Driver	Mileage 84 per 100 miles 800.00					
JOB SERVICES & REMARKS			Pump Truck Charge					
Pumptrk Charge	Top Stage		450.00					
Mileage	50 @ 6.00		N/C					
Footage			Total					
REMARKS:			FLOAT EQUIPMENT					
30'x Rod Hole			Guide Shoe					
20'x Mouse Hole			Centralizer					
Land plug @ 1600 psi & Close tool			Baskets					
Cement did Circulate			AFU Inserts					
			Rotating Head					
			Squeez Mainfold					
Signature <i>Cliff Mayfield</i>			Tax					
			Discount					
			Total Charge					

RECEIVED  
AUG 19 2009  
KCC WICHITA



# ALLIED CEMENTING CO., LLC. 037583

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell KS

DATE <u>7-21-09</u>	SEC. <u>17</u>	TWP. <u>11</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 pm</u>	JOB FINISH <u>7:30 pm</u>
LEASE <u>Hober</u>	WELL # <u>17-3</u>		LOCATION <u>Vada &amp; I-70 North across RRD</u>		COUNTY <u>Trego</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			1 East to 190 AVE 3 North 1/4 West into.				

CONTRACTOR Discovery Rig #1 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 215' CEMENT \_\_\_\_\_

CASING SIZE 8 7/8 20' DEPTH 215' AMOUNT ORDERED 150 Com 3% CC 2% Gel

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 12.72 Bbl

EQUIPMENT \_\_\_\_\_

PUMP TRUCK # 417 CEMENTER ~~John~~ John Roberts

BULK TRUCK # 410 DRIVER Matt

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS: \_\_\_\_\_

Est Circulation

Mix 150 sk cement

Displace w/ 12.72 Bbl H2O

Cement Did Circulate!

Thank You!

CHARGE TO: Coral Production Corp.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_

SIGNATURE Cliff Mayfield

### SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 30 @ 7.00 210.00

MANIFOLD @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL 1201.00

### PLUG & FLOAT EQUIPMENT

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

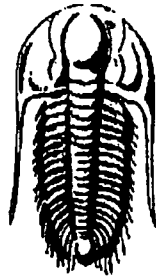
@ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

**Hober #17-3**

Start Date: 2009.07.25 @ 14:53:05

End Date: 2009.07.25 @ 21:57:59

Job Ticket #: 34790      DST #: 1

RECEIVED  
AUG 19 2009  
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

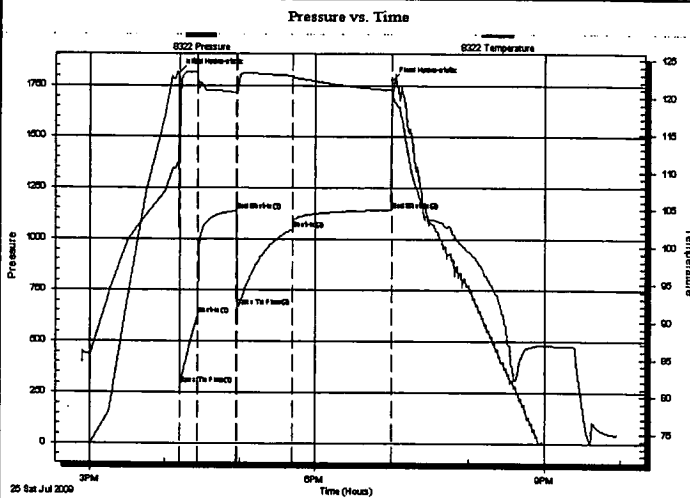
17 11s 24w Trego KS  
Job Ticket: 34790      DST#: 1  
Test Start: 2009.07.25 @ 14:53:05

## GENERAL INFORMATION:

Formation: **Lans. "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:11:30  
 Time Test Ended: 21:57:59  
 Interval: **3786.00 ft (KB) To 3808.00 ft (KB) (TVD)**  
 Total Depth: 3808.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Brandon Domsch  
 Unit No: 48  
 Reference Elevations: 2431.00 ft (KB)  
 2425.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8322** Inside  
 Press@RunDepth: 1047.78 psig @ 3787.00 ft (KB)  
 Start Date: 2009.07.25 End Date: 2009.07.25  
 Start Time: 14:53:05 End Time: 21:57:59  
 Capacity: 7000.00 psig  
 Last Calib.: 2009.07.25  
 Time On Btrm: 2009.07.25 @ 16:10:45  
 Time Off Btrm: 2009.07.25 @ 19:00:15

**TEST COMMENT:** IF: BOB in 45 secs.  
 IS: BOB in 9 1/2 mins.  
 FF: BOB in 45 secs.  
 FS: BOB in 55 mins.



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.99	111.28	Initial Hydro-static
1	291.22	111.94	Open To Flow (1)
16	627.74	123.37	Shut-In (1)
47	1140.25	120.67	End Shut-In (1)
47	671.80	120.47	Open To Flow (2)
91	1047.78	122.84	Shut-In (2)
169	1144.07	121.02	End Shut-In (2)
170	1776.07	121.17	Final Hydro-static

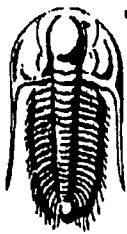
## Recovery

Length (ft)	Description	Volume (bbl)
573.00	MCW 90%w 10%o	7.76
310.00	G&WCO 15%g 70%o 15%w	4.35
854.00	SMCW 95%w 5%o	11.98
186.00	G&OCM 10%g 40%o 50%w	2.61
278.00	CGO 70%g 30%o	3.90
0.00	GIP = 836 FT	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34790      **DST#: 1**  
Test Start: 2009.07.25 @ 14:53:05

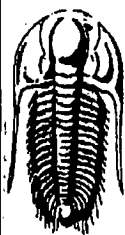
### Tool Information

Drill Pipe:	Length: 3738.00 ft	Diameter: 3.80 inches	Volume: 52.43 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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:	100000.0 lb
			<u>Total Volume: 52.58 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3786.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	45.00 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			3764.00	
Shut In Tool	5.00			3769.00	
Hydraulic tool	5.00			3774.00	
Safety Joint	3.00			3777.00	
Packer	5.00			3782.00	23.00 Bottom Of Top Packer
Packer	4.00			3786.00	
Stubb	1.00			3787.00	
Recorder	0.00	8322	Inside	3787.00	
Recorder	0.00	6741	Inside	3787.00	
Perforations	16.00			3803.00	
Bullnose	5.00			3808.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34790      **DST#: 1**  
Test Start: 2009.07.25 @ 14:53:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 60.00 sec/qt  
Water Loss: 7.55 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 6000.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 33 deg API  
Water Salinity: 100000 ppm

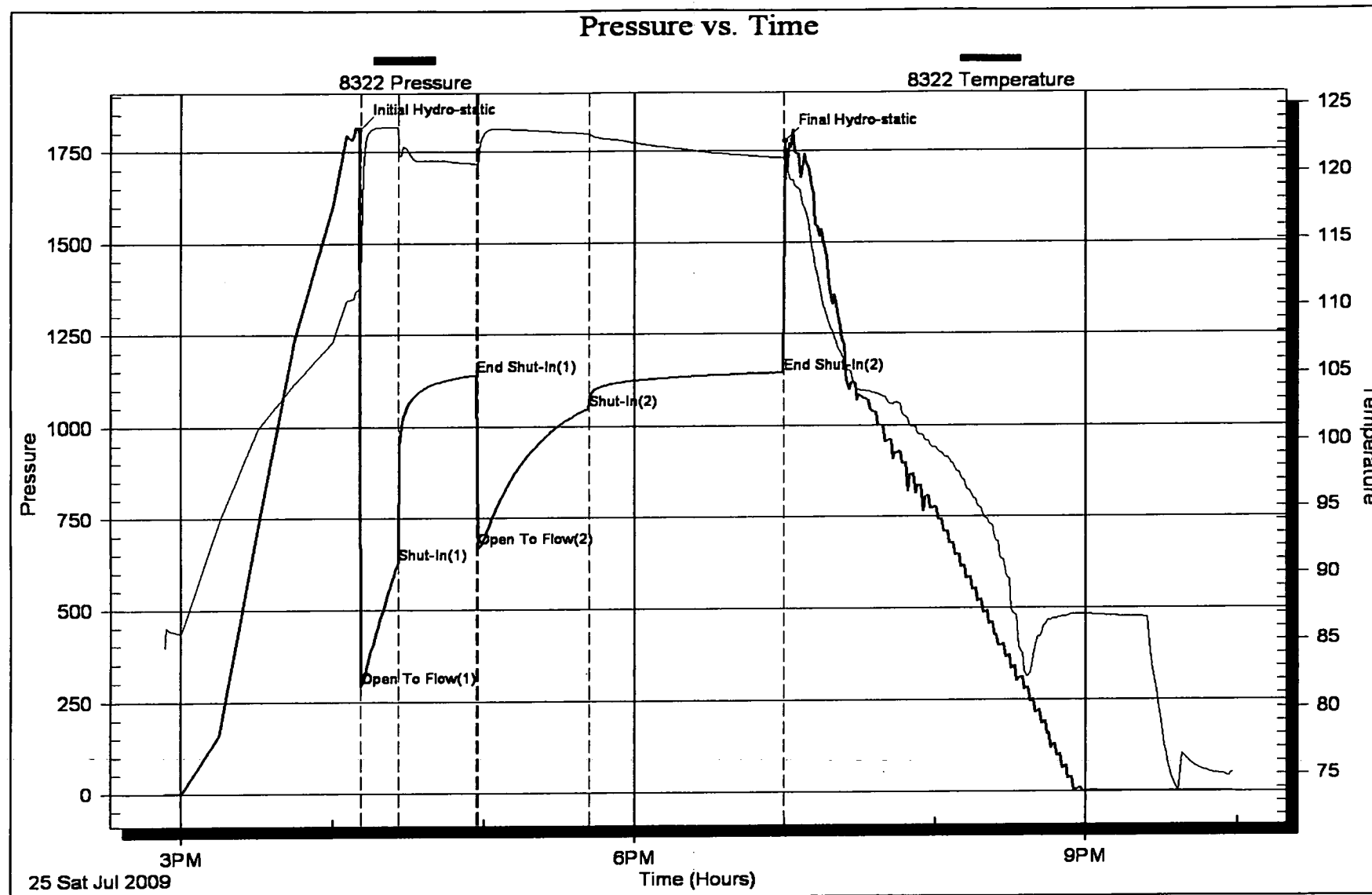
## Recovery Information

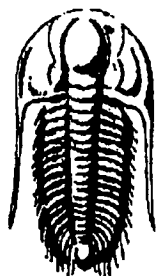
Recovery Table

Length ft	Description	Volume bbl
573.00	MCW 90%w 10%m	7.755
310.00	G&WCO 15%g 70%o 15%w	4.348
854.00	SMCW 95%w 5%m	11.979
186.00	G&OCM 10%g 40%o 50%w	2.609
278.00	CGO 70%g 30%o	3.900
0.00	GIP = 836 FT	0.000
0.00	API = 35@75F = 33	0.000

Total Length: 2201.00 ft      Total Volume: 30.591 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: RW = .073@75 = 100000





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

**Hober #17-3**

Start Date: 2009.07.26 @ 04:41:05

End Date: 2009.07.26 @ 10:48:44

Job Ticket #: 34791                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34791      **DST#: 2**  
Test Start: 2009.07.26 @ 04:41:05

## GENERAL INFORMATION:

Formation: **Lans. "D-E"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 06:01:45  
Time Test Ended: 10:48:44

Test Type: Conventional Bottom Hole  
Tester: Brandon Domsch  
Unit No: 48

Interval: **3813.00 ft (KB) To 3855.00 ft (KB) (TVD)**  
Total Depth: 3855.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

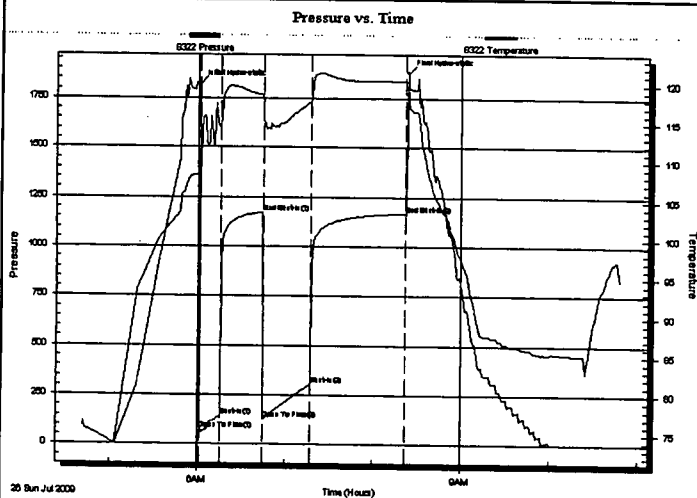
Reference Elevations: 2431.00 ft (KB)  
2425.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8322      Inside**

Press@RunDepth: 304.21 psig @ 3814.00 ft (KB)  
Start Date: 2009.07.26      End Date: 2009.07.26  
Start Time: 04:41:05      End Time: 10:48:44

Capacity: 7000.00 psig  
Last Calib.: 2009.07.26  
Time On Btm: 2009.07.26 @ 06:01:15  
Time Off Btm: 2009.07.26 @ 08:23:30

**TEST COMMENT:** IF: BOB in 2 mins.  
IS: Built to 6 1/2 inches.  
FF: BOB in 3 mins.  
FS: BOB in 43 mins.



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.59	108.27	Initial Hydro-static
1	75.39	108.05	Open To Flow (1)
15	142.93	114.64	Shut-In(1)
44	1171.39	118.61	End Shut-In(1)
44	129.80	116.01	Open To Flow(2)
77	304.21	117.74	Shut-In(2)
141	1167.33	120.43	End Shut-In(2)
143	1877.41	119.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	WCM 40%w 60%m	1.46
62.00	W&MOO 70%o 15%w 15%m	0.87
660.00	CGO 15%g 85%o	9.26
0.00	GIP = 992 FT	0.00
0.00	API = 30 @80F = 28	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS  
Job Ticket: 34791      DST#: 2  
Test Start: 2009.07.26 @ 04:41:05

## Tool Information

Drill Pipe:	Length: 3770.00 ft	Diameter: 3.80 inches	Volume: 52.88 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 53.03 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3813.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3791.00	
Shut In Tool	5.00			3796.00	
Hydraulic tool	5.00			3801.00	
Safety Joint	3.00			3804.00	
Packer	5.00			3809.00	23.00 Bottom Of Top Packer
Packer	4.00			3813.00	
Stubb	1.00			3814.00	
Recorder	0.00	8322	Inside	3814.00	
Recorder	0.00	6741	Inside	3814.00	
Perforations	36.00			3850.00	
Bullnose	5.00			3855.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS  
Job Ticket: 34791      DST#: 2  
Test Start: 2009.07.26 @ 04:41:05

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	28 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.54 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

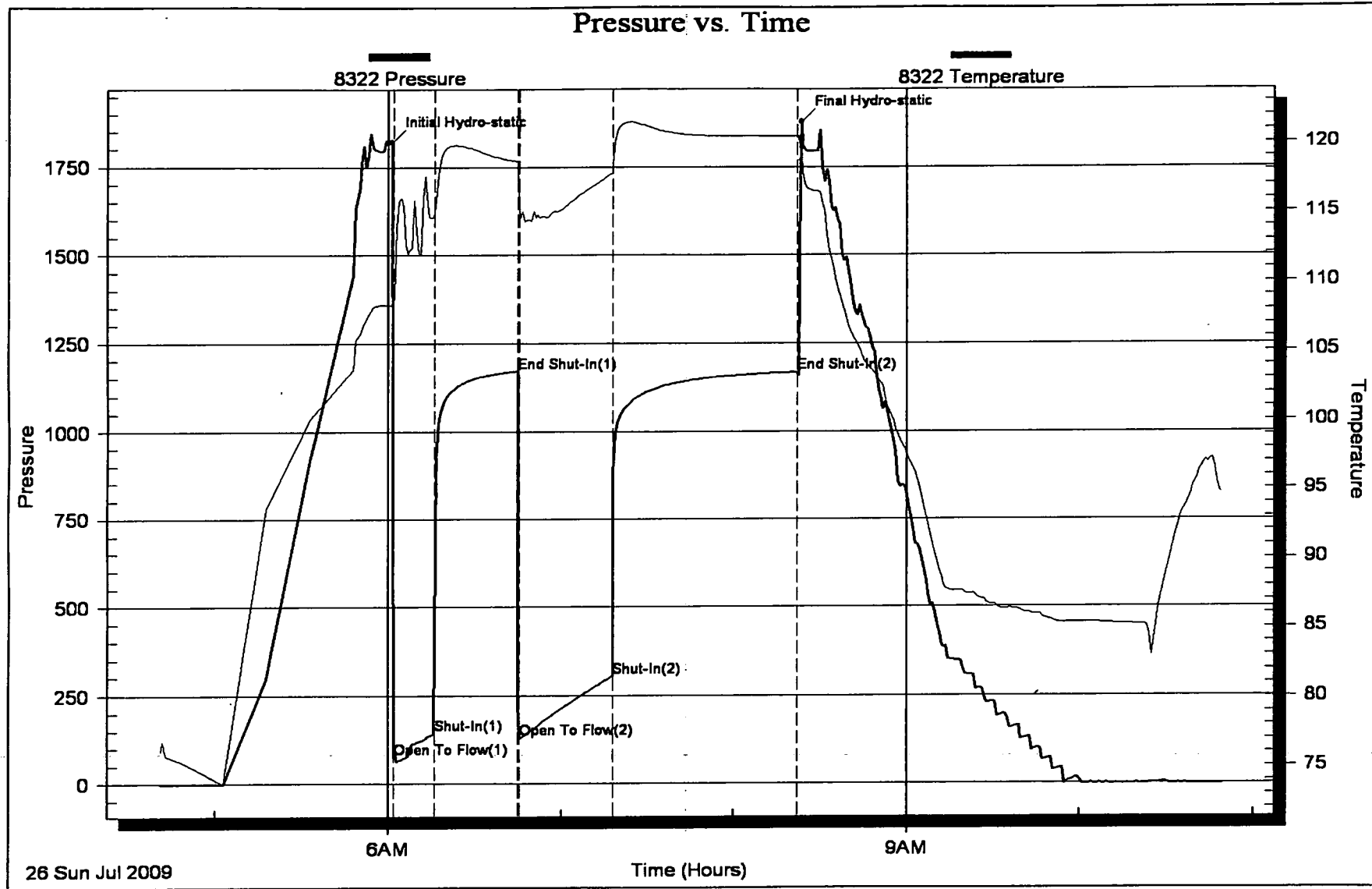
Length ft	Description	Volume bbl
124.00	WCM 40%w 60%m	1.457
62.00	W&MCO 70%o 15%w 15%m	0.870
660.00	CGO 15%g 85%o	9.258
0.00	GIP = 992 FT	0.000
0.00	API = 30 @80F = 28	0.000

Total Length: 846.00 ft      Total Volume: 11.585 bbl

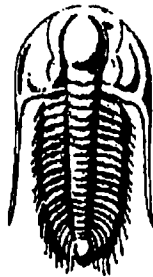
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW = N/A







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

**Hober #17-3**

Start Date: 2009.07.26 @ 19:21:05

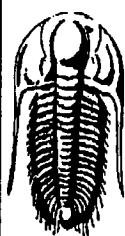
End Date: 2009.07.26 @ 20:23:00

Job Ticket #: 34792                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS  
Job Ticket: 34792      DST#: 3  
Test Start: 2009.07.26 @ 19:21:05

## GENERAL INFORMATION:

Formation:      **Lans. "H"**  
Deviated:      No      Whipstock:      ft (KB)  
Time Tool Opened:  
Time Test Ended: 20:23:00

Test Type:      Conventional Bottom Hole  
Tester:      Brandon Domsch  
Unit No:      48

Interval:      **3883.00 ft (KB) To 3913.00 ft (KB) (TVD)**  
Total Depth:      3913.00 ft (KB) (TVD)  
Hole Diameter:      7.88 inches Hole Condition: Fair

Reference Elevations:      2431.00 ft (KB)  
2425.00 ft (CF)  
KB to GR/CF:      6.00 ft

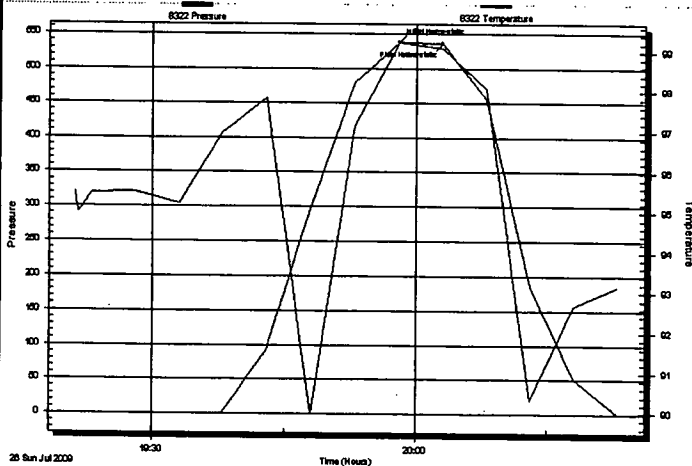
**Serial #: 8322      Inside**

Press@RunDepth:      psig @      3884.00 ft (KB)  
Start Date:      2009.07.26      End Date:      2009.07.26  
Start Time:      19:21:05      End Time:      20:23:00

Capacity:      7000.00 psig  
Last Calib.:      2009.07.26  
Time On Btmr:      2009.07.26 @ 19:58:00  
Time Off Btmr:      2009.07.26 @ 20:03:00

**TEST COMMENT:** Msrn, Stds were taking chunks of the meat board, so tripped out to retrieve them.

Pressure vs. Time



## PRESSURE SUMMARY

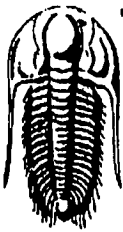
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	538.01	99.24	Initial Hydro-static
5	536.48	99.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34792      **DST#: 3**  
Test Start: 2009.07.26 @ 19:21:05

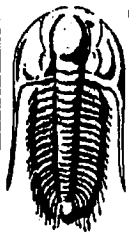
### Tool Information

Drill Pipe:	Length: 3863.00 ft	Diameter: 3.80 inches	Volume: 54.19 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	2500.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 54.34 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3883.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	53.00 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			3861.00	
Shut In Tool	5.00			3866.00	
Hydraulic tool	5.00			3871.00	
Safety Joint	3.00			3874.00	
Packer	5.00			3879.00	23.00 Bottom Of Top Packer
Packer	4.00			3883.00	
Stubb	1.00			3884.00	
Recorder	0.00	8322	Inside	3884.00	
Recorder	0.00	6741	Inside	3884.00	
Perforations	24.00			3908.00	
Bullnose	5.00			3913.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS  
Job Ticket: 34792      **DST#: 3**  
Test Start: 2009.07.26 @ 19:21:05

**Mud and Cushion Information**

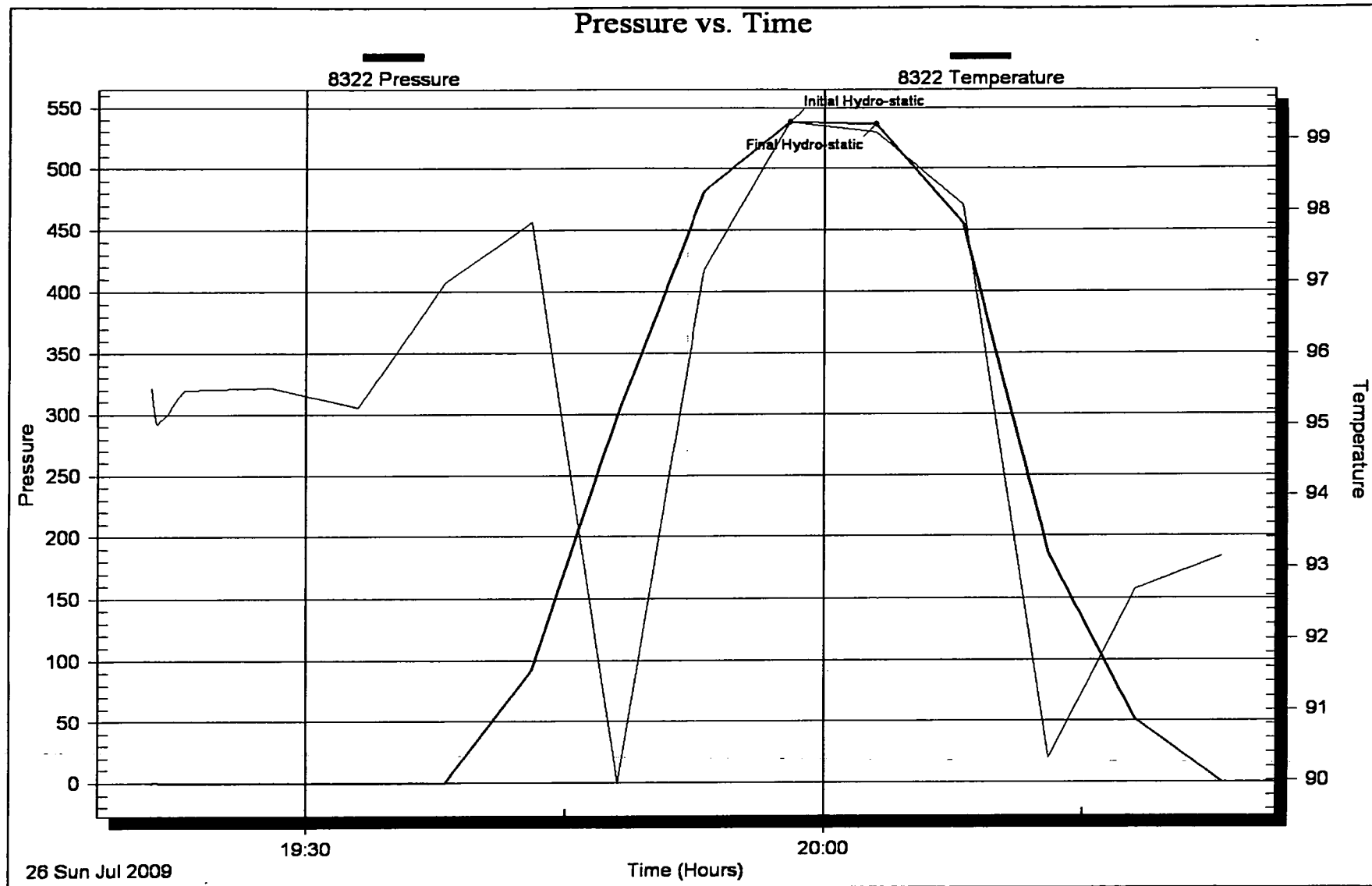
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

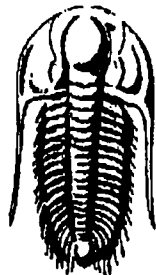
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl

Total Length:                      ft      Total Volume:                      bbl  
 Num Fluid Samples: 0                      Num Gas Bombs: 0                      Serial #:  
 Laboratory Name:                      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

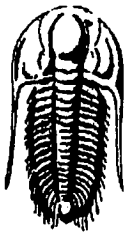
**Hober #17-3**

Start Date: 2009.07.26 @ 20:31:05

End Date: 2009.07.27 @ 02:34:14

Job Ticket #: 34793                      DST #: 4

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**Hober #17-3**

**17 11s 24w Trego KS**

Job Ticket: 34793

DST#: 4

Test Start: 2009.07.26 @ 20:31:05

## GENERAL INFORMATION:

Formation: **Lans. "H"**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 21:49:00  
Time Test Ended: 02:34:14

Test Type: **Conventional Bottom Hole**  
Tester: **Brandon Domsch**  
Unit No: **48**

Interval: **3883.00 ft (KB) To 3913.00 ft (KB) (TVD)**  
Total Depth: **3913.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

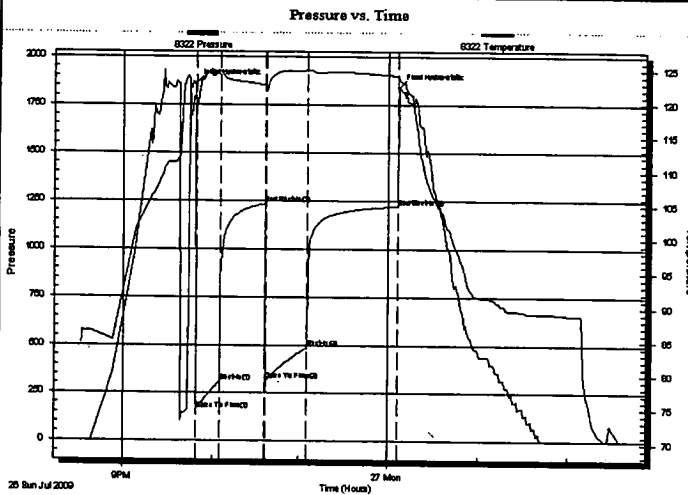
Reference Elevations: **2431.00 ft (KB)**  
**2425.00 ft (CF)**  
KB to GR/CF: **6.00 ft**

**Serial #: 8322** Inside

Press@RunDepth: **486.40 psig @ 3884.00 ft (KB)**  
Start Date: **2009.07.26** End Date: **2009.07.27**  
Start Time: **20:31:05** End Time: **02:34:14**

Capacity: **7000.00 psig**  
Last Calib.: **2009.07.27**  
Time On Btm: **2009.07.26 @ 21:48:30**  
Time Off Btm: **2009.07.27 @ 00:07:00**

**TEST COMMENT:** IF: BOB in 2 mins.  
IS: No return.  
FF: BOB in 4 mins.  
FS: BOB in 35 mins.



## PRESSURE SUMMARY

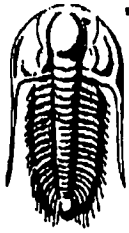
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.92	121.08	Initial Hydro-static
1	161.68	120.32	Open To Flow (1)
17	307.97	124.86	Shut-In (1)
48	1233.59	122.80	End Shut-In (1)
48	316.60	122.39	Open To Flow (2)
77	486.40	124.89	Shut-In (2)
138	1222.02	124.11	End Shut-In (2)
139	1841.02	123.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
621.00	SMCW 90%w 10%r	8.43
279.00	GO&MCW 20%g 10%o 60%w 10%r	3.91
75.00	CGO 50%g 50%o	1.05
0.00	GIP = 620ft	0.00
0.00	API = 33@70F = 32	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34793      **DST#: 4**  
Test Start: 2009.07.26 @ 20:31:05

### Tool Information

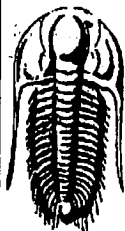
Drill Pipe:	Length: 3863.00 ft	Diameter: 3.80 inches	Volume: 54.19 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
		<b>Total Volume:</b>	<b>54.34 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3883.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	53.00 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			3861.00	
Shut In Tool	5.00			3866.00	
Hydraulic tool	5.00			3871.00	
Safety Joint	3.00			3874.00	
Packer	5.00			3879.00	23.00      Bottom Of Top Packer
Packer	4.00			3883.00	
Stubb	1.00			3884.00	
Recorder	0.00	8322	inside	3884.00	
Recorder	0.00	6741	inside	3884.00	
Perforations	24.00			3908.00	
Bullnose	5.00			3913.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 53.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS  
Job Ticket: 34793      DST#: 4  
Test Start: 2009.07.26 @ 20:31:05

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 7.77 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

32 deg API

Water Salinity: 92000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
621.00	SMCW 90%w 10% <i>m</i>	8.429
279.00	GO&MCW 20%g 10% <i>o</i> 60%w 10% <i>m</i>	3.914
75.00	CGO 50%g 50% <i>o</i>	1.052
0.00	GIP = 620ft	0.000
0.00	API = 33@70F = 32	0.000

Total Length: 975.00 ft      Total Volume: 13.395 bbl

Num Fluid Samples: 0

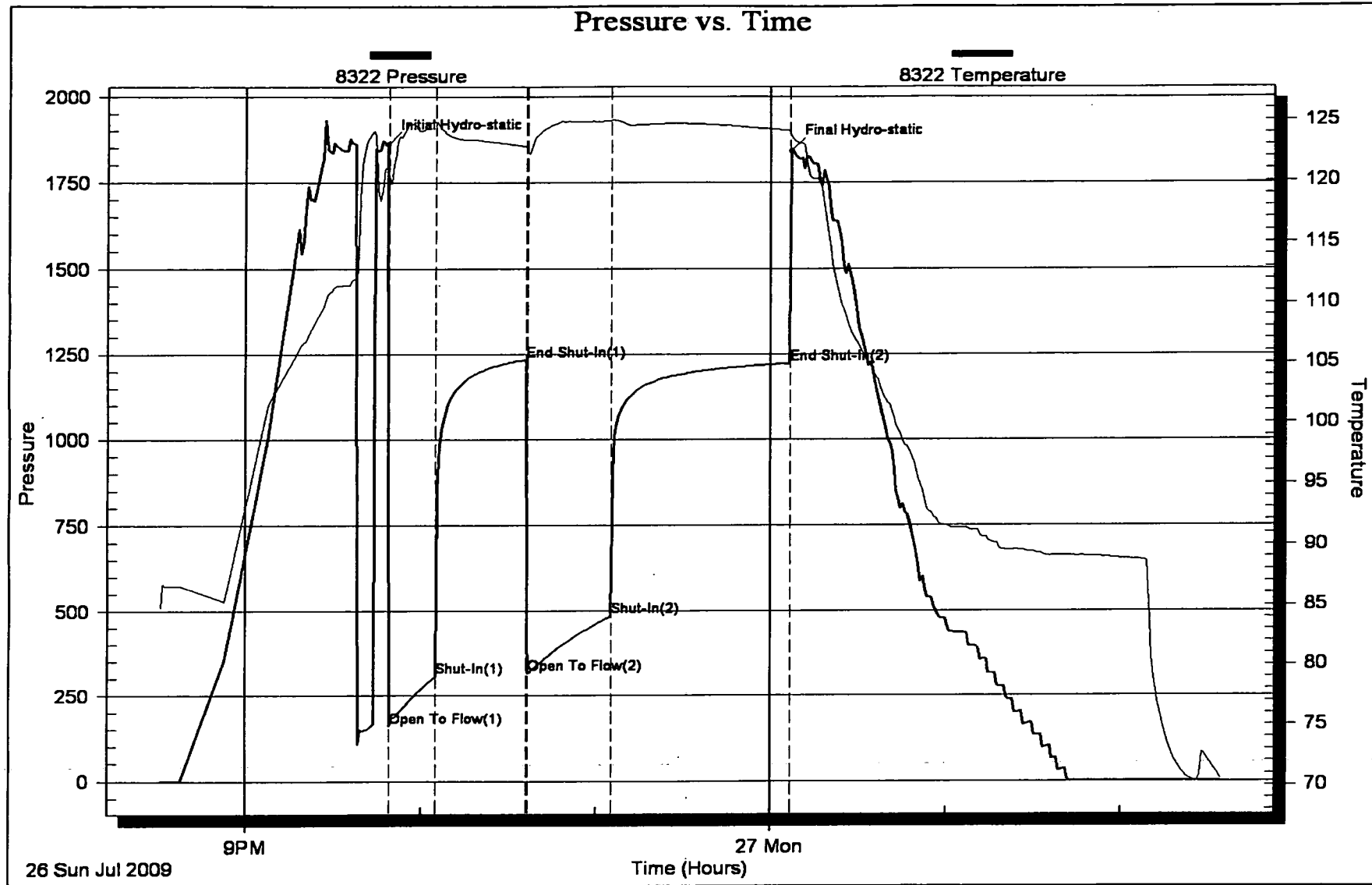
Num Gas Bombs: 0

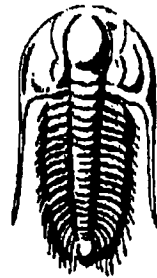
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .087@72F = 92000





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

**Hober #17-3**

Start Date: 2009.07.27 @ 10:57:05

End Date: 2009.07.27 @ 19:49:30

Job Ticket #: 34794                      DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Coral Production

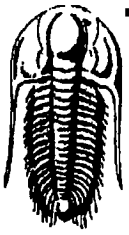
Hober #17-3

17 11s 24w Trego KS

DST # 5

Kansas City "J"

2009.07.27



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

Hober #17-3

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

17 11s 24w Trego KS

Job Ticket: 34794

DST#: 5

Test Start: 2009.07.27 @ 10:57:05

## GENERAL INFORMATION:

Formation: **Kansas City "J"**  
Deviated: No Whipstock ft (KB)  
Time Tool Opened: 12:24:00  
Time Test Ended: 19:49:30

Test Type: Conventional Bottom Hole  
Tester: Brandon Domsch  
Unit No: 48

Interval: **3932.00 ft (KB) To 3957.00 ft (KB) (TVD)**  
Total Depth: 3957.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

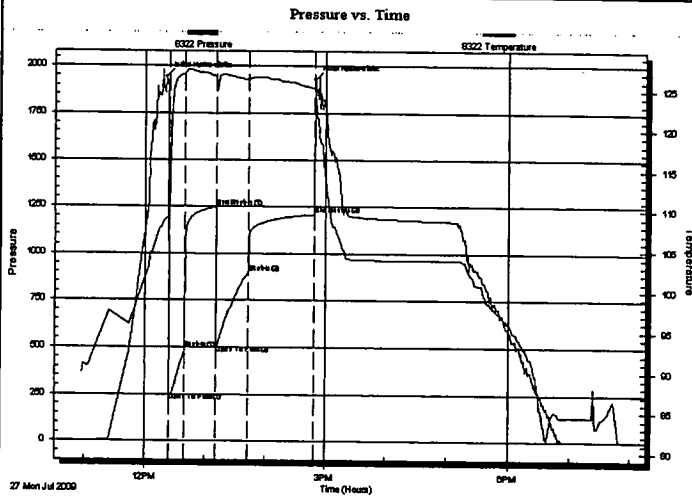
Reference Elevations: 2431.00 ft (KB)  
2425.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8322** Inside

Press@RunDepth: 896.03 psig @ 3933.00 ft (KB)  
Start Date: 2009.07.27 End Date: 2009.07.27  
Start Time: 10:57:05 End Time: 19:49:30

Capacity: 7000.00 psig  
Last Calib.: 2009.07.27  
Time On Btm: 2009.07.27 @ 12:21:15  
Time Off Btm: 2009.07.27 @ 14:49:45

**TEST COMMENT:** IF: BOB in 1 min.  
IS: BOB in 7 mins.  
FF: BOB in 1 min, gas to surface in 22 mins.  
FS: BOB in 8 mins.



## PRESSURE SUMMARY

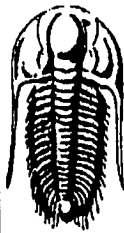
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.91	108.94	Initial Hydro-static
3	215.10	108.91	Open To Flow (1)
19	490.31	126.96	Shut-In (1)
50	1248.44	126.67	End Shut-In (1)
50	508.80	126.35	Open To Flow (2)
82	896.03	126.29	Shut-In (2)
148	1208.00	125.18	End Shut-In (2)
149	1929.76	125.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	MCO 85%o 15%o m	2.33
372.00	G&MCO 40%g 50%o 10%o m	5.22
1862.00	CGO 40%g 60%o	26.12
0.00	GIP = GTS	0.00
0.00	API = 29@80F = 27	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34794      **DST#: 5**  
Test Start: 2009.07.27 @ 10:57:05

**Tool Information**

Drill Pipe:	Length: 3894.00 ft	Diameter: 3.80 inches	Volume: 54.62 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 75000.00 lb
		<b>Total Volume:</b>	<b>54.77 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3932.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	48.00 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			3910.00	
Shut In Tool	5.00			3915.00	
Hydraulic tool	5.00			3920.00	
Safety Joint	3.00			3923.00	
Packer	5.00			3928.00	23.00      Bottom Of Top Packer
Packer	4.00			3932.00	
Stubb	1.00			3933.00	
Recorder	0.00	8322	inside	3933.00	
Recorder	0.00	6741	inside	3933.00	
Perforations	19.00			3952.00	
Bullnose	5.00			3957.00	25.00      Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34794      **DST#: 5**  
Test Start: 2009.07.27 @ 10:57:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 7.95 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 8000.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 27 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	MCO 85%o 15% <i>m</i>	2.327
372.00	G&MCO 40% <i>g</i> 50%o 10% <i>m</i>	5.218
1862.00	CGO 40% <i>g</i> 60%o	26.119
0.00	GIP = GTS	0.000
0.00	API = 29@80F = 27	0.000

Total Length: 2420.00 ft      Total Volume: 33.664 bbl

Num Fluid Samples: 0

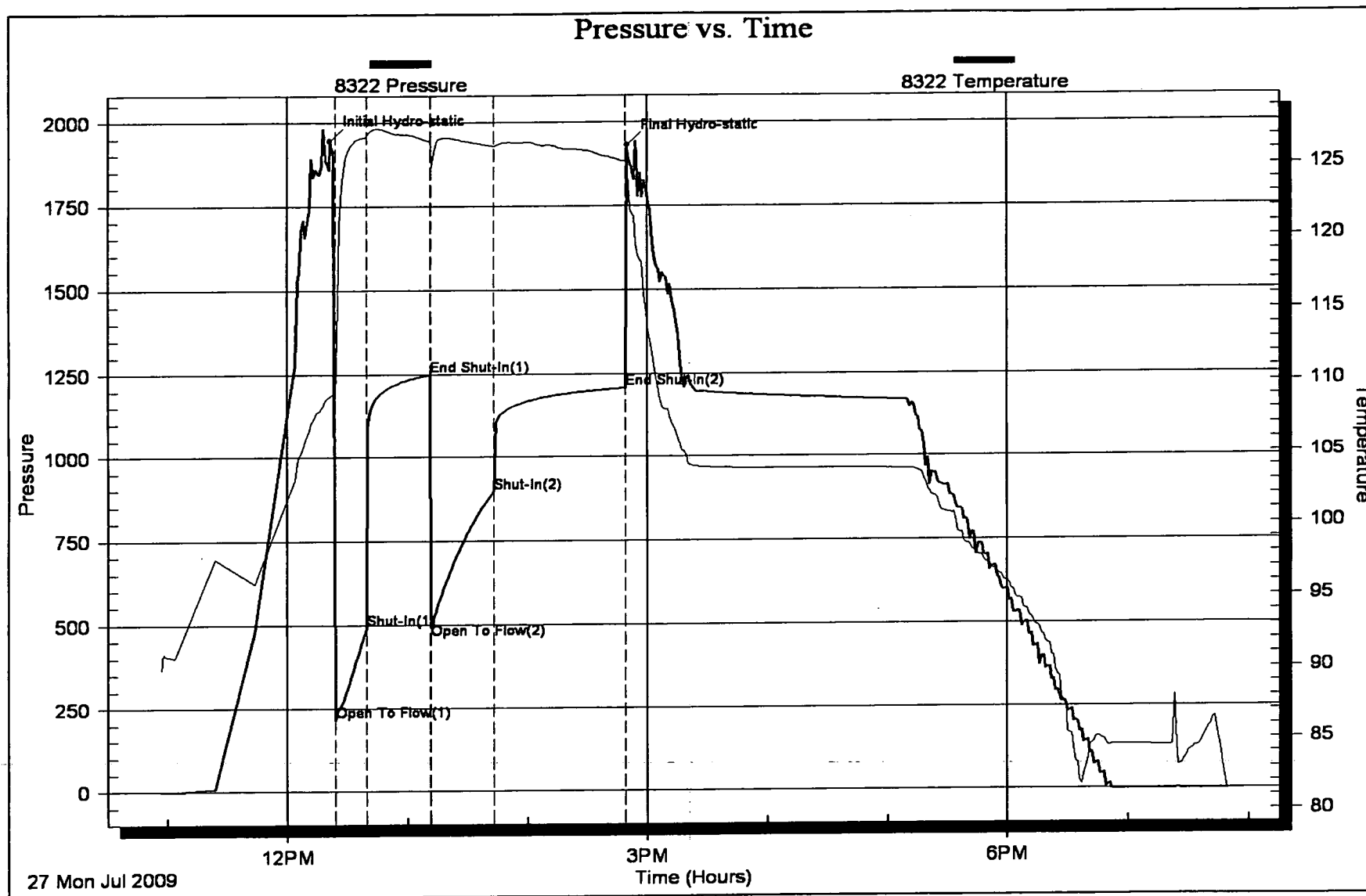
Num Gas Bombs: 0

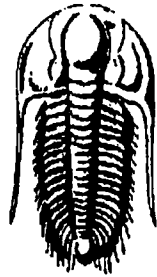
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production**

1600 Stout St.  
Ste 1500  
Denver CO, 80202

ATTN: Rick Hall

**17 11s 24w Trego KS**

**Hober #17-3**

Start Date: 2009.07.28 @ 01:17:05

End Date: 2009.07.28 @ 06:41:44

Job Ticket #: 34795                      DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Coral Production

Hober #17-3

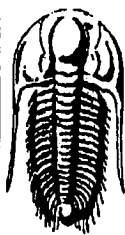
17 11s 24w Trego KS

DST # 6

Kansas City "K"

2009.07.28





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

Hober #17-3

17 11s 24w Trego KS

Job Ticket: 34795

DST#: 6

Test Start: 2009.07.28 @ 01:17:05

## GENERAL INFORMATION:

Formation: **Kansas City "K"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:04:00  
Time Test Ended: 06:41:44

Test Type: Conventional Bottom Hole  
Tester: Brandon Domsch  
Unit No: 48

Interval: **3957.00 ft (KB) To 3978.00 ft (KB) (TVD)**  
Total Depth: 3978.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

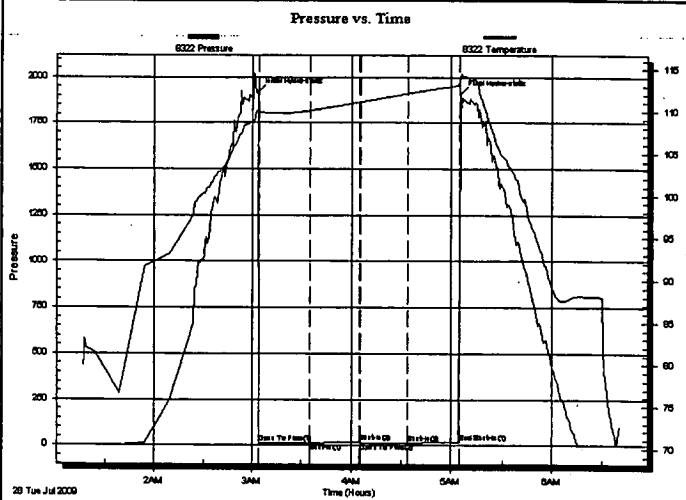
Reference Elevations: 2431.00 ft (KB)  
2425.00 ft (CF)  
KB to GR/CF: 6.00 ft

Serial #: **8322** Inside

Press@RunDepth: 13.08 psig @ 3958.00 ft (KB)  
Start Date: 2009.07.28 End Date: 2009.07.28  
Start Time: 01:17:05 End Time: 06:41:44

Capacity: 7000.00 psig  
Last Calib.: 2009.07.28  
Time On Btm: 2009.07.28 @ 03:03:45  
Time Off Btm: 2009.07.28 @ 05:05:30

TEST COMMENT: IF: Surface blow for 9 mins.  
IS: No return.  
FF: No blow.  
FS: No return.



## PRESSURE SUMMARY

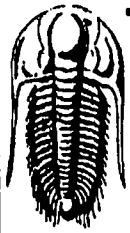
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.17	110.28	Initial Hydro-static
1	11.83	110.02	Open To Flow (1)
32	13.08	110.10	Shut-In(1)
61	19.08	111.11	Shut-In(2)
62	12.49	111.12	Open To Flow (2)
91	13.06	112.13	Shut-In(3)
121	17.70	113.12	End Shut-In(1)
122	1910.16	114.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	O spotted M 100% m	0.01
0.00	GIP = 0	0.00
0.00	API = N/A	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**  
Job Ticket: 34795      **DST#: 6**  
Test Start: 2009.07.28 @ 01:17:05

### Tool Information

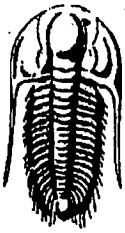
Drill Pipe:	Length: 3925.00 ft	Diameter: 3.80 inches	Volume: 55.06 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<b>Total Volume: 55.21 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3957.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3935.00	
Shut In Tool	5.00			3940.00	
Hydraulic tool	5.00			3945.00	
Safety Joint	3.00			3948.00	
Packer	5.00			3953.00	23.00      Bottom Of Top Packer
Packer	4.00			3957.00	
Stubb	1.00			3958.00	
Recorder	0.00	8322	Inside	3958.00	
Recorder	0.00	6741	Inside	3958.00	
Perforations	15.00			3973.00	
Bullnose	5.00			3978.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production

**Hober #17-3**

1600 Stout St.  
Ste 1500  
Denver CO, 80202  
ATTN: Rick Hall

**17 11s 24w Trego KS**

Job Ticket: 34795

**DST#: 6**

Test Start: 2009.07.28 @ 01:17:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 7.97 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 8000.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	O spotted M 100%m	0.015
0.00	GIP = 0	0.000
0.00	API = NA	0.000

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

