

15-039-20990

23-2s-30w

Township is
2, not 25
as printed.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Cholla**

7827 Elati St Ste 201
Littleton CO 80120

ATTN: Bill Goff

23 ²~~25~~ 30W Decatur KS

Marvin May 1-23

Start Date: 2006.11.21 @ 19:39:44

End Date: 2006.11.22 @ 02:10:42

Job Ticket #: 26131 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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Cholla
7827 Eati St Ste 201
Littleton CO 80120
ATTN: Bill Goff

Marvin May 1-23
23 25 30W Decatur KS
Job Ticket: 26131 **DST#: 1**
Test Start: 2006.11.21 @ 19:39:44

GENERAL INFORMATION:

Formation: **Lans "B"**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: 22:02:42
Time Test Ended: 02:10:42

Test Type: **Conventional Bottom Hole**
Tester: **Brian Fairbank**
Unit No: **24**

Interval: **3832.00 ft (KB) To 3870.00 ft (KB) (TVD)**
Total Depth: **3870.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **2839.00 ft (KB)**
2832.00 ft (CF)
KB to GR/CF: **7.00 ft**

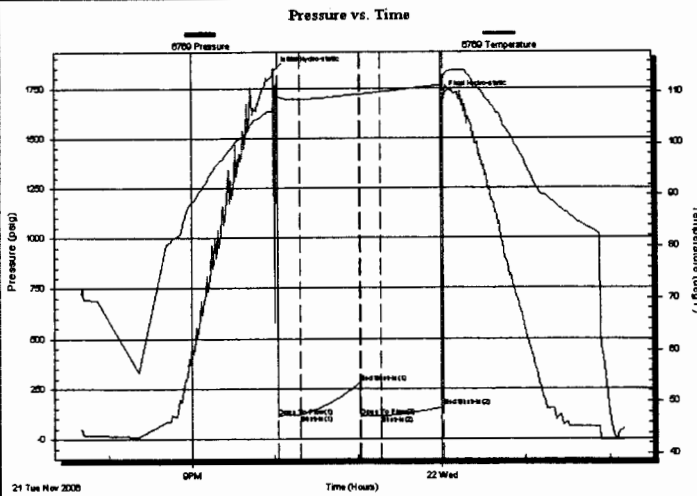
Serial #: 6769

Inside

Press@RunDepth: **116.04 psig @ 3835.01 ft (KB)**
Start Date: **2006.11.21** End Date: **2006.11.22**
Start Time: **19:39:44** End Time: **02:10:42**

Capacity: **7000.00 psig**
Last Calib.: **2006.11.22**
Time On Btm: **2006.11.21 @ 22:00:12**
Time Off Btm: **2006.11.22 @ 00:01:27**

TEST COMMENT: IFP Weak blow throughout sur
ISI No blow back
FFP No blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.46	108.20	Initial Hydro-static
3	110.17	109.33	Open To Flow (1)
18	120.91	108.63	Shut-In(1)
61	279.07	109.67	End Shut-In(1)
62	112.25	109.63	Open To Flow (2)
77	116.04	110.02	Shut-In(2)
122	159.53	111.41	End Shut-In(2)
122	1714.63	112.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	100%M	0.25

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 3639.00 ft	Diameter: 3.80 inches	Volume: 51.05 bbl	Tool Weight: 2500.00 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 51.95 bbl</u>	Tool Chased 7.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3832.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.02 ft			
Tool Length:	60.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3815.00	
Hydraulic tool	5.00			3820.00	
Jars	2.00			3822.00	
Packer	5.00			3827.00	22.00 Bottom Of Top Packer
Packer	5.00			3832.00	
Stubb	1.00			3833.00	
Perforations	1.00			3834.00	
Change Over Sub	1.00			3835.00	
Recorder	0.01	6769	Inside	3835.01	
Blank Spacing	31.00			3866.01	
Change Over Sub	1.00			3867.01	
Recorder	0.01	13548	Outside	3867.02	
Bullnose	3.00			3870.02	38.02 Bottom Packers & Anchor

Total Tool Length: 60.02



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FLUID SUMMARY

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23 25 30W Decatur KS
Job Ticket: 26131 **DST#: 1**
Test Start: 2006.11.21 @ 19:39:44

Mud and Cushion Information

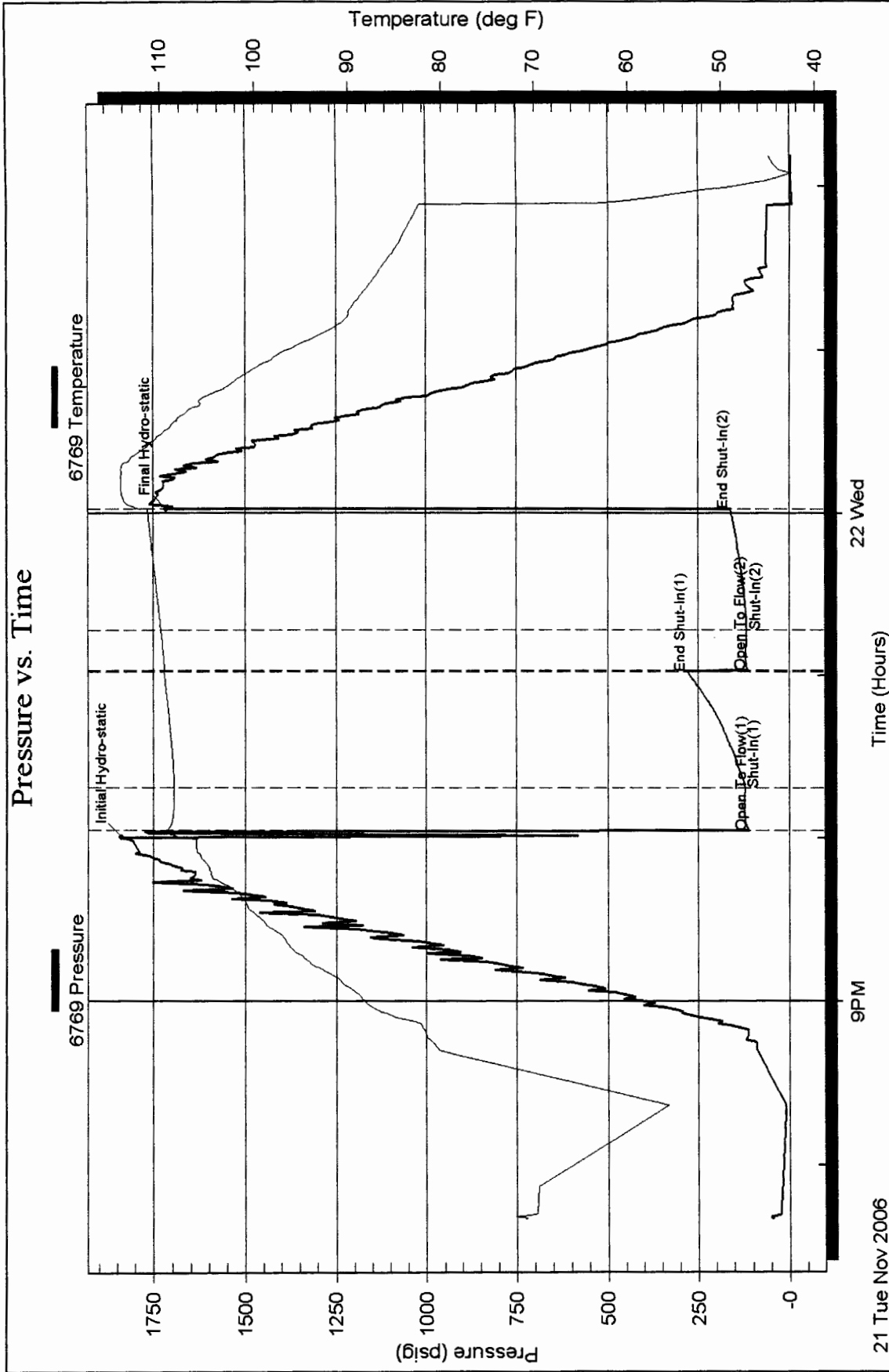
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: inches			

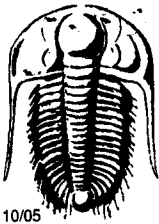
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	100%M	0.246

Total Length: 50.00 ft Total Volume: 0.246 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

9551

26131

Test Ticket

Well Name & No. Marvin May 1-23 Test No. 1 Date 11-21-06
 Company Cholla Zone Tested Lens "B"
 Address 7857 Elati St. Ste. 201 Littleton, Co 80120 Elevation 2839 KB 2832 GL
 Co. Rep / Geo. Bill Goff Rig Kaler 1
 Location: Sec. 23 Twp. 25 Rge. 30^W Co. Deer State K
 Comment: Tool slid 7' to bottom Release date / time: 11-23 0640

Interval Tested 3832-3870 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 53,000
 Anchor Length 38 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 3827 Tool Weight 2500
 Bottom Packer Depth 3832 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3870 Wt. Pipe Run - Drill Collar Run 182
 Mud Wt. 8.9 LCM Vis. 49 WL 6.0 Drill Pipe Size 4 1/2 XM Ft. Run 3639
 Blow Description IFP - weak blow throughout - sur
ISI - no blow back
FFP - no blow
FSD - no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>50</u>	<u>-</u>	<u>50</u>	<u>-</u>
Rec. <u>50</u> Feet of <u>mud</u>	%gas	%oil	%water <u>100</u> %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____%mud
Rec. _____ Feet of _____	%gas	%oil	%water _____%mud
Rec. _____ Feet of _____	%gas	%oil	%water _____%mud
Rec. _____ Feet of _____	%gas	%oil	%water _____%mud
BHT _____ °F Gravity _____	*API D @ _____	*F Corrected Gravity _____	*API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>1100</u> ppm System	

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1800</u> PSI	<u>1800</u> PSI	<u>6769</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>110</u> PSI	<u>110</u> PSI	<u>3835</u>	Jars _____
(C) First Final Flow Pressure	<u>121</u> PSI	<u>121</u> PSI	<u>13548</u>	Safety Jt. <u>75</u>
(D) Initial Shut-In Pressure	<u>279</u> PSI	<u>279</u> PSI	<u>3867</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>112</u> PSI	<u>112</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>116</u> PSI	<u>116</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>160</u> PSI	<u>160</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1741</u> PSI	<u>1741</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>15</u>	Ruined Packer <u>20</u>
			Final Shut-In <u>45</u>	Mileage <u>116</u>
			T-On Location <u>1823</u>	Sub Total: _____
			T-Started <u>1939</u>	Std. By _____
			T-Open <u>2202</u>	Acc. Chg: <u>#1195</u>
			T-Pulled <u>0002</u>	Other: _____
			T-Out _____	Total: _____

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Approved By _____
 Our Representative Brian Farbak (Shak)

CHART PAGE

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

Cholla

Merrin Nky 1-23

DST #1

