

DRILL STEM TEST REPORT

Prepared For: **Timberline Oil & Gas CO**

4000 Penrose Place
Rapid City S.D. 57702

ATTN: Scott Alberg

21 26S 12W Pratt KS

Knop A-5

Start Date: 2006.12.06 @ 04:55:37

End Date: 2006.12.06 @ 11:44:31

Job Ticket #: 27026 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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TESTING, INC.

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4000 Penrose Place
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21 26S 12W Pratt KS

Job Ticket: 27026

DST#: 1

Test Start: 2006.12.06 @ 04:55:37

GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 06:58:02

Time Test Ended: 11:44:31

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **2678.00 ft (KB) To 2705.00 ft (KB) (TVD)**

Total Depth: 2705.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1910.00 ft (KB)

1902.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: 86.98 psig @ 2680.00 ft (KB)

Start Date: 2006.12.06

End Date:

2006.12.06

Capacity: 7000.00 psig

Last Calib.: 2006.12.06

Start Time: 04:55:37

End Time:

11:44:31

Time On Btm: 2006.12.06 @ 06:55:17

Time Off Btm: 2006.12.06 @ 09:31:01

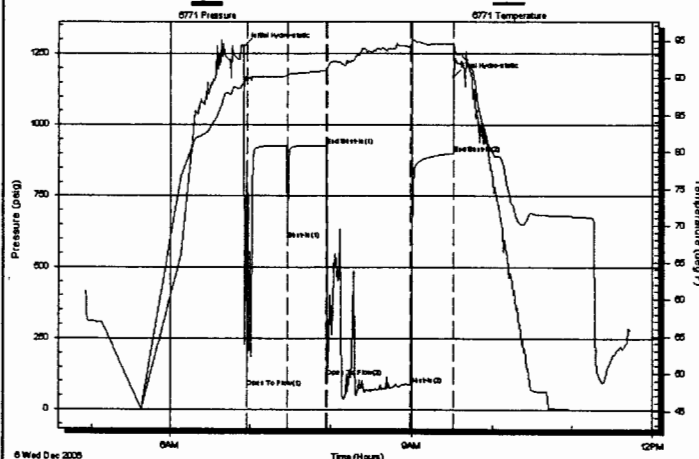
TEST COMMENT: IF Weak blow Built to 2 "

ISI No blow

FF Strong blow BOB in 2 min.

FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

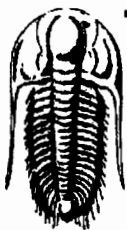
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1275.70	89.02	Initial Hydro-static
3	77.19	89.62	Open To Flow (1)
33	596.78	90.24	Shut-In (1)
62	928.35	90.94	End Shut-In (1)
62	116.19	91.26	Open To Flow (2)
124	86.98	94.14	Shut-In (2)
156	901.85	94.54	End Shut-In (2)
156	1169.11	94.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GSY OSM 15%G 85%M	0.63

Gas Rates

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

Timberline Oil & Gas CO

Knop A-5

4000 Penrose Place
Rapid City S.D. 57702

21 26S 12W Pratt KS

ATTN: Scott Alberg

Job Ticket: 27026

DST#: 1

Test Start: 2006.12.06 @ 04:55:37

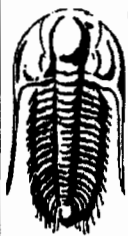
Tool Information

Drill Pipe:	Length: 2551.00 ft	Diameter: 3.80 inches	Volume: 35.78 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			Total Volume: 36.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	2678.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 8 ft. to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2652.00	
Shut In Tool	5.00			2657.00	
Hydraulic tool	5.00			2662.00	
Jars	5.00			2667.00	
Safety Joint	2.00			2669.00	
Packer	4.00			2673.00	27.00 Bottom Of Top Packer
Packer	5.00			2678.00	
Stubb	1.00			2679.00	
Perforations	1.00			2680.00	
Recorder	0.00	6771	Inside	2680.00	
Perforations	20.00			2700.00	
Recorder	0.00	13789	Outside	2700.00	
Bullnose	5.00			2705.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



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FLUID SUMMARY

Timberline Oil & Gas CO

Knop A-5

4000 Penrose Place
Rapid City S.D. 57702

21 26S 12W Pratt KS

Job Ticket: 27026

DST#: 1

ATTN: Scott Alberg

Test Start: 2006.12.06 @ 04:55:37

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 20000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GSY OSM 15%G 85%M	0.633

Total Length: 125.00 ft

Total Volume: 0.633 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

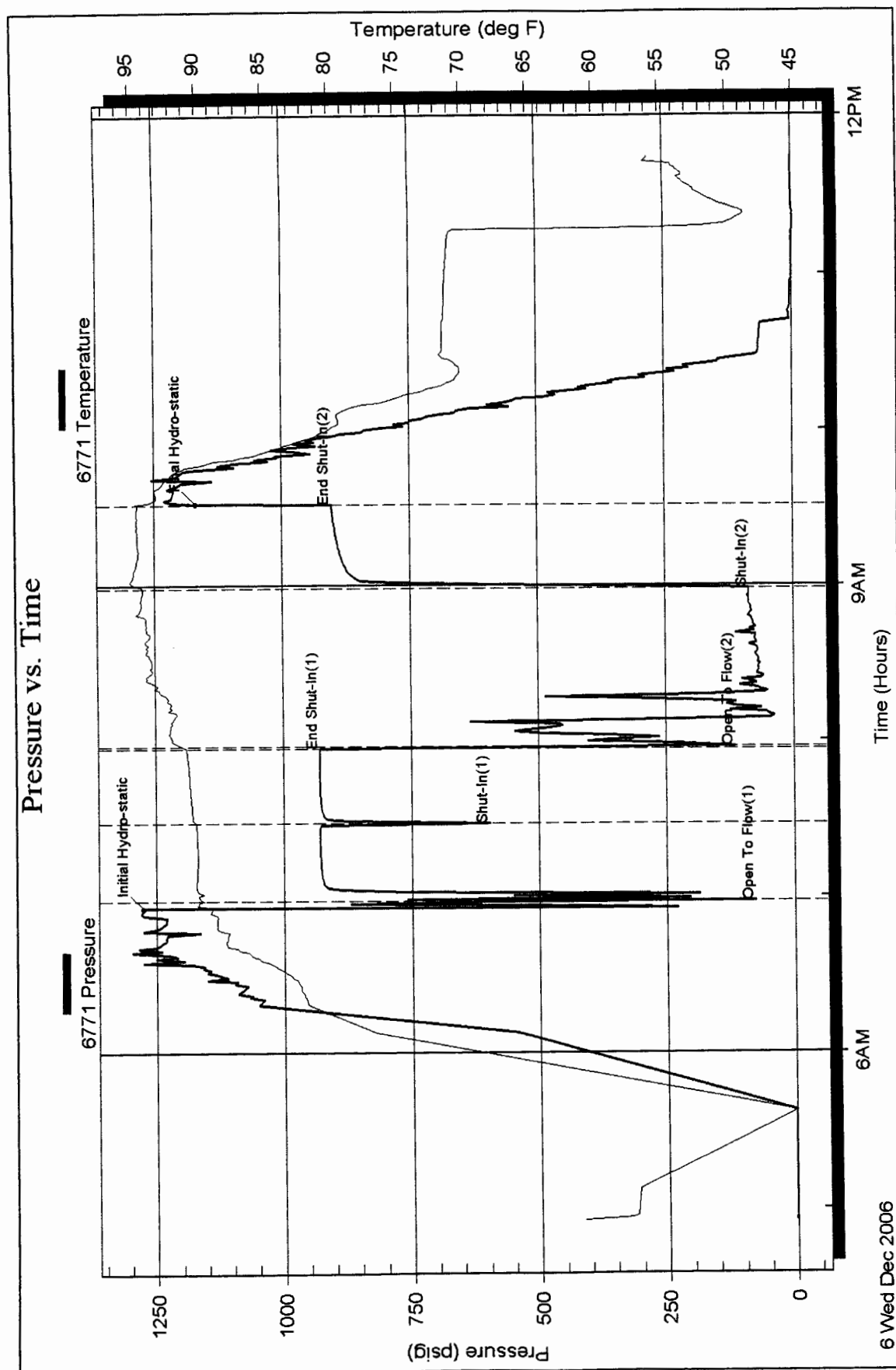
Serial #:

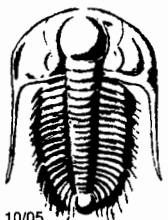
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27026

9/6/8

Test Ticket

Well Name & No. Timberline Oil & Gas Corp Test No. 1 Date 12-6-06
 Company Knapp A-5 Zone Tested Indian Cave
 Address 4000 Fenwick Place Rapid City S.D. 57702 Elevation 1910 KB _____ GL _____
 Co. Rep / Geo. Scott Allberg Rig Fossil
 Location: Sec. 21 Twp. 26S Rge. 17W Co. Pratt State Ks
 Comment: Tool slid 8' to bottom Release date / time: _____

Interval Tested 2678 - 2705 Initial Str Wt./Lbs. 37000 Unseated Str Wt./Lbs. 38000
 Anchor Length 27' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 48000
 Top Packer Depth 2673 Tool Weight 2100
 Bottom Packer Depth 2678 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 2705 Wt. Pipe Run _____ Drill Collar Run 124
 Mud Wt. 8.8 LCM _____ Vis. 48 WI 16 Drill Pipe Size 4 1/2" Ft. Run 2551
 Blow Description IF: Weak blow. Built to 2".
ISF: No blow.
FF: Strong blow. BOB in 2 min
BSF: No blow

Recovery - Total Feet 125 GIP 2502 Ft. in DC 125 Ft. in DP _____
 Rec. 125 Feet of GSP 05M %gas _____ %oil _____ %water 85 %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 95 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 20000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1235</u> PSI	<u>1235</u> PSI	<u>6771</u>	<u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>77</u> PSI	<u>77</u> PSI	<u>2680</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>592</u> PSI	<u>592</u> PSI	<u>13789</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>928</u> PSI	<u>928</u> PSI	<u>2700</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>116</u> PSI	<u>116</u> PSI	_____	Sampler _____
(F) Second Final Flow Pressure	<u>87</u> PSI	<u>87</u> PSI	_____	Straddle _____
(G) Final Shut-In Pressure	<u>902</u> PSI	<u>902</u> PSI	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1718</u> PSI	<u>1718</u> PSI	<u>30</u>	Shale Packer _____

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Approved By _____

Our Representative Johny [Signature]

Final Flow 60
 Final Shut-In 30
 T-On Location 3:50
 T-Started 4:55
 T-Open 6:31
 T-Pulled 9:31
 T-Out 11:41

Test ✓ 1100
 Jars ✓ 250
 Safety Jt. ✓ 75
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer 25
 Mileage 20 ✓ 227
 Sub Total: _____
 Std. By _____
 Acc. Chg: \$1450
 Other: _____
 Total: ✓