



DRILL STEM TEST REPORT

Prepared For: **ESP Development, Inc.**

17746 177th. Boulevard
Paradise, Ks. 67658

ATTN: Bud Eulert

21--11s--15w

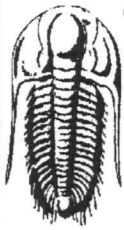
Eulert Ranch "J" #1

Start Date: 2005.06.11 @ 03:53:37

End Date: 2005.06.11 @ 10:44:07

Job Ticket #: 22518 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

ESP Development, Inc.

17746 177th. Boulevard
Paradise, Ks. 67658

ATTN: Bud Eulert

Eulert Ranch "J" #1

21-11s-15w

Job Ticket: 22518

DST#: 1

Test Start: 2005.06.11 @ 03:53:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:37

Time Test Ended: 10:44:07

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3315.00 ft (KB) To 3372.00 ft (KB) (TVD)**

Total Depth: 3372.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1892.00 ft (KB)

1887.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 338.52 psig @ 3319.00 ft (KB)

Start Date: 2005.06.11

End Date:

2005.06.11

Start Time: 03:53:38

End Time:

10:44:07

Capacity: 7000.00 psig

Last Calib.: 2005.06.11

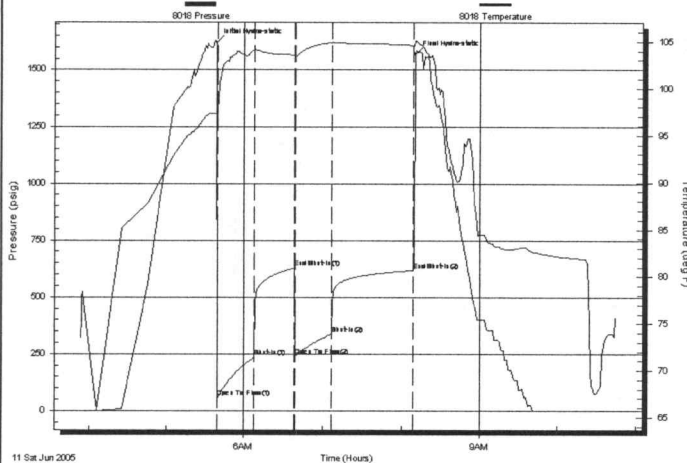
Time On Btm: 2005.06.11 @ 05:38:37

Time Off Btm: 2005.06.11 @ 08:10:07

TEST COMMENT: IF-Strong B.O.B.3 min.
FF-Strong B.O.B.7 min.

ISI-Dead
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.20	97.33	Initial Hydro-static
1	57.38	97.68	Open To Flow (1)
29	234.97	104.11	Shut-In(1)
60	628.15	103.56	End Shut-In(1)
60	242.96	103.37	Open To Flow (2)
88	338.52	104.91	Shut-In(2)
150	617.77	104.61	End Shut-In(2)
152	1570.25	105.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SW	2.67
560.00	HMCO-45%O--55%M	7.86

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

ESP Development, Inc.

17746 177th. Boulevard
Paradise, Ks. 67658

ATTN: Bud Eulert

Eulert Ranch"J" #1

21-11s--15w

Job Ticket: 22518

DST#: 1

Test Start: 2005.06.11 @ 03:53:37

Tool Information

Drill Pipe:	Length:	3328.00 ft	Diameter:	3.80 inches	Volume:	46.68 bbl	Tool Weight:	2200.00 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	46000.00 lb
					Total Volume:	46.68 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		33.00 ft					String Weight: Initial	40000.00 lb
Depth to Top Packer:		3315.00 ft					Final	43000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		57.00 ft						
Tool Length:		77.00 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			3296.00	
Shut In Tool	5.00			3301.00	
Hydraulic tool	5.00			3306.00	
Packer	4.00			3310.00	20.00 Bottom Of Top Packer
Packer	5.00			3315.00	
Stubb	1.00			3316.00	
Perforations	2.00			3318.00	
Change Over Sub	1.00			3319.00	
Recorder	0.00	8018	Inside	3319.00	
Blank Spacing	31.00			3350.00	
Change Over Sub	1.00			3351.00	
Recorder	0.00	11084	Outside	3351.00	
Perforations	18.00			3369.00	
Bullnose	3.00			3372.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

ESP Development, Inc.

Eulert Ranch "J" #1

17746 177th. Boulevard
Paradise, Ks. 67658

21-11s-15w

Job Ticket: 22518

DST#: 1

ATTN: Bud Eulert

Test Start: 2005.06.11 @ 03:53:37

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:

25000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	SW	2.665
560.00	HMCO-45%O--55%M	7.855

Total Length: 750.00 ft

Total Volume: 10.520 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

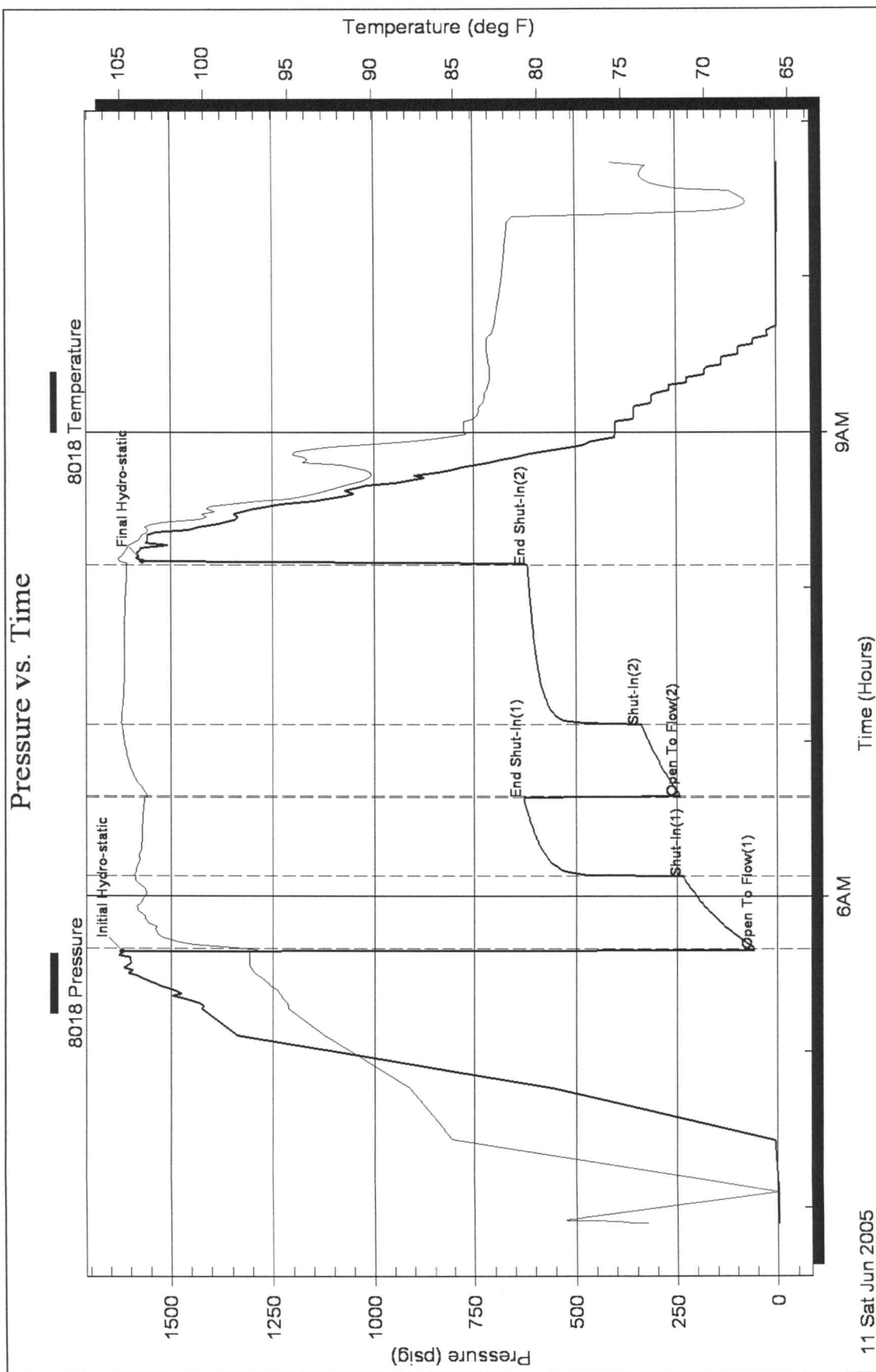
Serial #:

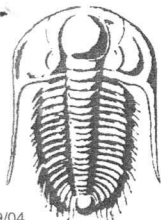
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

7576
No 22518

Test Ticket

Well Name & No. EULERT RANCH "J" #1 Test No. #1 Date 6-11-05
 Company ESP DEVELOPMENT, INC. Zone Tested ARBUCKLE
 Address 17746 177TH BOULEVARD, PARADISE, KS 67658 Elevation 1892 KB 1887 GL
 Co. Rep / Geo. RANDY KILIAN Cont. VONFELDT Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 11S Rge. 15W Co. RUSSELL State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3315 To 3372 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 43,000
 Anchor Length 57' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 46,000
 Top Packer Depth 3310 Tool Weight 2,200
 Bottom Packer Depth 3315 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3372 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.0 LCM TRI Vis. 45 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3328
 Blow Description IF - STRONG B.O.B. 3-min. ISI - DEAD
FF - STRONG B.O.B. 7-min. FST - DEAD

Recovery - Total Feet 750 GIP 0 Ft. in DC 0 Ft. in DP 750
 Rec. 560 Feet of HMC0 %gas 45 %oil _____ %water 55 %mud _____
 Rec. 190 Feet of S.W. %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 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 23 @ 85 °F Chlorides 25,000 ppm Recovery _____ Chlorides 4,500 ppm System

AK-1	Alpine	Recorder No.	<u>8018</u>	Test	<u>B. HOLE 950</u>
(A) Initial Hydrostatic Mud	<u>1621</u> PSI	(depth)	<u>3319</u>	Jars	_____
(B) First Initial Flow Pressure	<u>57</u> PSI	Recorder No.	<u>11084</u>	Safety Jt.	_____
(C) First Final Flow Pressure	<u>234</u> PSI	(depth)	<u>3351</u>	Circ Sub	_____
(D) Initial Shut-In Pressure	<u>628</u> PSI	Recorder No.	_____	Sampler	_____
(E) Second Initial Flow Pressure	<u>242</u> PSI	(depth)	_____	Straddle	_____
(F) Second Final Flow Pressure	<u>338</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(G) Final Shut-In Pressure	<u>617</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____
(Q) Final Hydrostatic Mud	<u>1570</u> PSI	Final Flow	<u>30</u>	Ruined Packer	_____
		Final Shut-In	<u>60</u>	Mileage	<u>RT, 6868</u>
		T-On Location	<u>02:30</u>	Sub Total:	<u>1018</u>
		T-Started	<u>03:53</u>	Std. By	<u>15</u>
		T-Open	<u>05:39</u>	Other	_____
		T-Pulled	<u>08:10</u>	Total:	<u>\$1033</u>
		T-Out	<u>10:44</u>		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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 _____
 Our Representative John J. Schmidt

CHART PAGE

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

