

DRILL STEM TEST REPORT

Prepared For: **Coral Prod. Corp.**

1600 Stout St. Suite 1500
Denver, Co. 80202

ATTN: Jim Weber

ORIGINAL

30-9s-21w Graham

Smith #1

Start Date: 2001.06.13 @ 09:58:43

End Date: 2001.06.13 @ 18:00:13

Job Ticket #: 15430

DST #: 1

RECEIVED
KANSAS CORPORATION

AUG 01 2001

CONSERVATION DIVISION

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Coral Prod. Corp.

Smith #1

30-9s-21w Graham

DST # 1

LKC-A-B-C

2001.06.13


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Prod. Corp.

1600 Stout St. Suite 1500
Denver, Co.80202

ATTN: Jim Weber

Smith #1

30-9s-21w Graham

Job Ticket: 15430

DST#: 1

Test Start: 2001.06.13 @ 09:58:43

GENERAL INFORMATION:

Formation: LKC.-A-B-C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:03:13

Time Test Ended: 18:00:13

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3555.00 ft (KB) To 3610.00 ft (KB) (TVD)

Total Depth: 3610.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2355.00 ft (KB)

2350.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227

Inside

Press@RunDepth: 919.94 psig @ 3560.01 ft (KB)

Start Date: 2001.06.13

End Date:

2001.06.13

Start Time: 09:58:45

End Time:

18:00:13

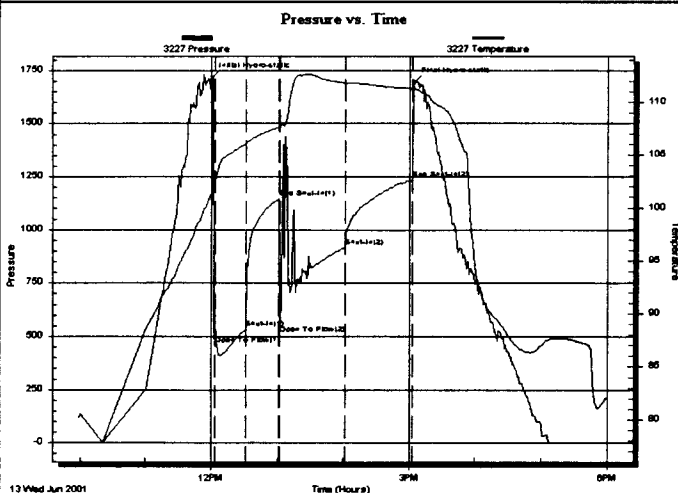
Capacity: 7000.00 psig

Last Calib.: 2001.01.13

Time On Btm: 2001.06.13 @ 12:00:43

Time Off Btm: 2001.06.13 @ 15:04:13

TEST COMMENT: IF-Strong B.O.B.in 30 sec. IS-no blow
FF-Strong B.O.B.in 1min&30sec. FS-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.20	101.31	Initial Hydro-static
3	458.45	101.92	Open To Flow (1)
31	535.73	106.10	Shut-In (1)
61	1145.44	107.63	End Shut-In (1)
62	549.69	107.59	Open To Flow (2)
122	919.94	111.80	Shut-In (2)
182	1235.23	111.29	End Shut-In (2)
184	1696.83	111.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Watery mud 45%W 55%M	0.59
1765.00	Mud	24.18

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30--9s--21w Graham

Job Ticket: 15430

DST#: 1

ATTN: Jim Weber

Test Start: 2001.06.13 @ 09:58:43

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:

12500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 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
120.00	Watery mud 45%W 55%M	0.590
1765.00	Mud	24.175

Total Length: 1885.00 ft

Total Volume: 24.765 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

ORIGINAL

Serial #: 3227

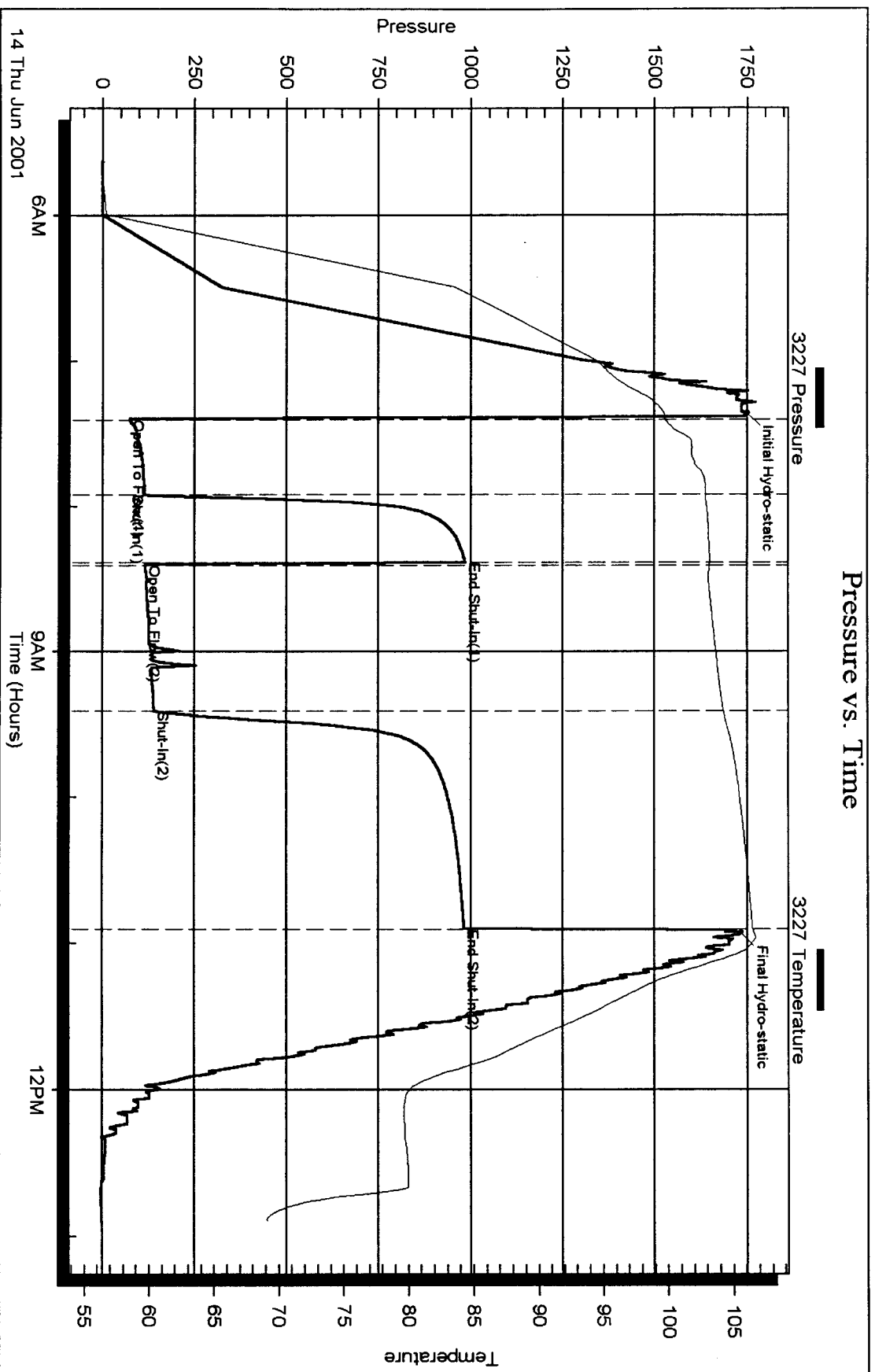
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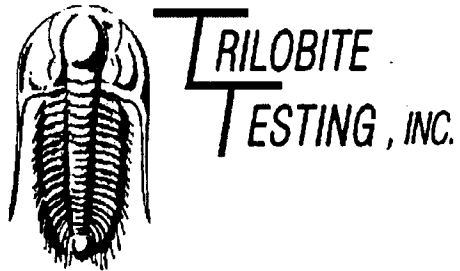
Coral Prod. Corp.

30-9s-21w Graham

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Coral Prod. Corp.**

1600 Stout St. Suite 1500
Denver, Co. 80202

ATTN: Jim Weber

30-9s-21w Graham

Smith #1

Start Date: 2001.06.14 @ 05:37:24

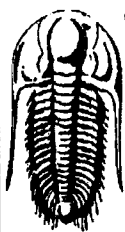
End Date: 2001.06.14 @ 12:53:54

Job Ticket #: 15431 DST #: 2

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 Prod. Corp.
1600 Stout St. Suite 1500
Denver, Co. 80202
ATTN: Jim Weber

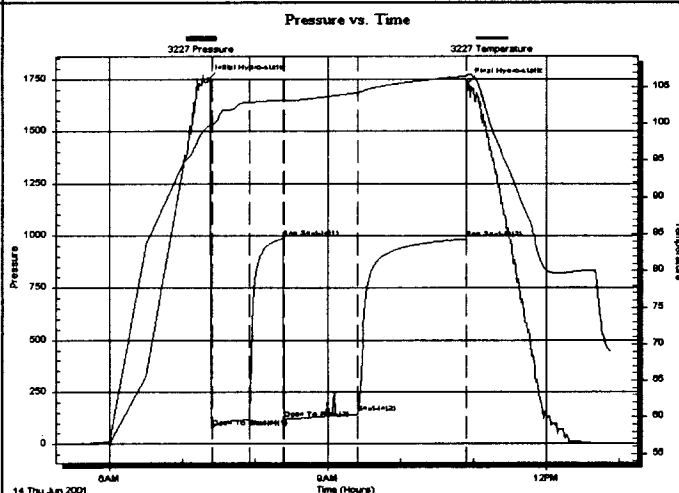
Smith #1
30-9s-21w Graham
Job Ticket: 15431 DST#: 2
Test Start: 2001.06.14 @ 05:37:24

GENERAL INFORMATION:

Formation: LKC-D-E-F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:24:09
Time Test Ended: 12:53:54
Interval: 3610.00 ft (KB) To 3650.00 ft (KB) (TVD)
Total Depth: 3610.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18
Reference Elevations: 2355.00 ft (KB)
2350.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3227 Inside
Press@RunDepth: 142.24 psig @ 3614.01 ft (KB)
Start Date: 2001.06.14 End Date: 2001.06.14
Start Time: 05:37:26 End Time: 12:53:54
Capacity: 7000.00 psig
Last Calib.: 2001.01.14
Time On Btm: 2001.06.14 @ 07:21:24
Time Off Btm: 2001.06.14 @ 10:55:24

TEST COMMENT: IF-Weak Blow 2" in Lost 8' mud had 4" surge 1st open. ISI no blow
FF- Weak blow 3" in FSI no blow



PRESSURE SUMMARY

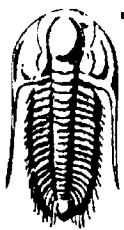
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.51	99.66	Initial Hydro-static
3	76.01	99.76	Open To Flow (1)
34	116.64	102.85	Shut-In(1)
62	987.51	103.22	End Shut-In(1)
63	118.53	103.14	Open To Flow (2)
123	142.24	104.24	Shut-In(2)
213	983.44	106.45	End Shut-In(2)
214	1733.22	106.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	H-O-G-C-W-M 5%gas 25%oil 18%w ater 0.89mud	
60.00	H-O-C-M 25%oil 75% mud	0.81
30.00	O-C-M 5%oil 95% mud	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30-9s-21w Graham

Job Ticket: 15431

DST#: 2

ATTN: Jim Weber

Test Start: 2001.06.14 @ 05:37:24

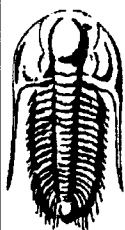
Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	49.03 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3610.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.02 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
C.O. Sub	1.00			3591.00	
S.I. Tool	5.00			3596.00	
HMV	5.00			3601.00	
Packer	4.00			3605.00	20.00 Bottom Of Top Packer
Packer	5.00			3610.00	
Stubb	1.00			3611.00	
Perforations	3.00			3614.00	
Recorder	0.01	3227	Inside	3614.01	
Perforations	33.00			3647.01	
Recorder	0.01	13308	Outside	3647.02	
Bullnose	3.00			3650.02	40.02 Bottom Packers & Anchor

Total Tool Length: 60.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30-9s-21w Graham

Job Ticket: 15431

DST#: 2

ATTN: Jim Weber

Test Start: 2001.06.14 @ 05:37:24

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:

19000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 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
180.00	H-O-G-C-W-M 5% gas 25% oil 18% water 52%	0.885
60.00	H-O-C-M 25% oil 75% mud	0.805
30.00	O-C-M 5% oil 95% mud	0.421

Total Length: 270.00 ft

Total Volume: 2.111 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3227

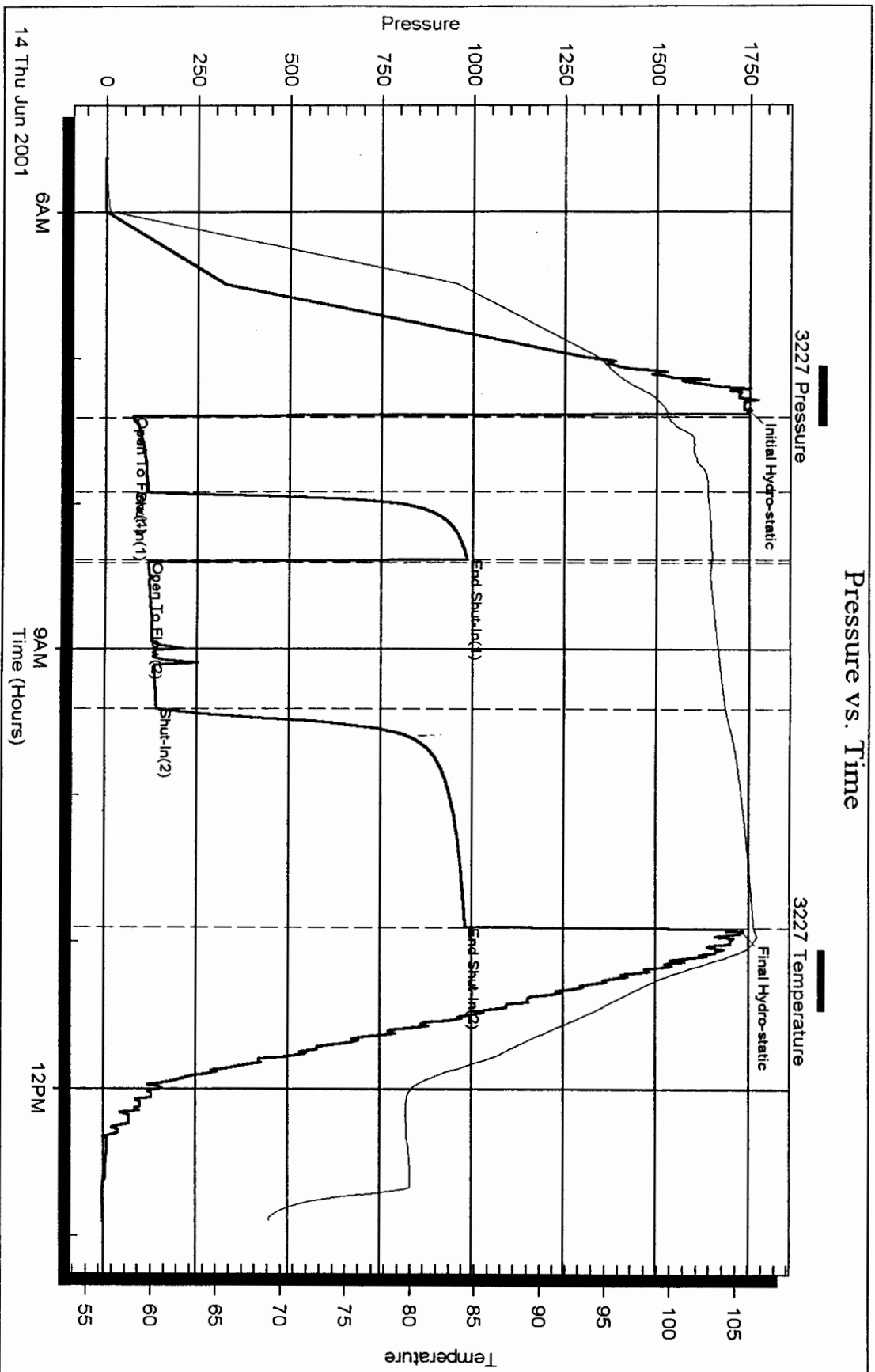
Inside

Coral Prod. Corp.

30-9s--21w Graham

DST Test Number: 2

Pressure vs. Time



Serial #: 3227

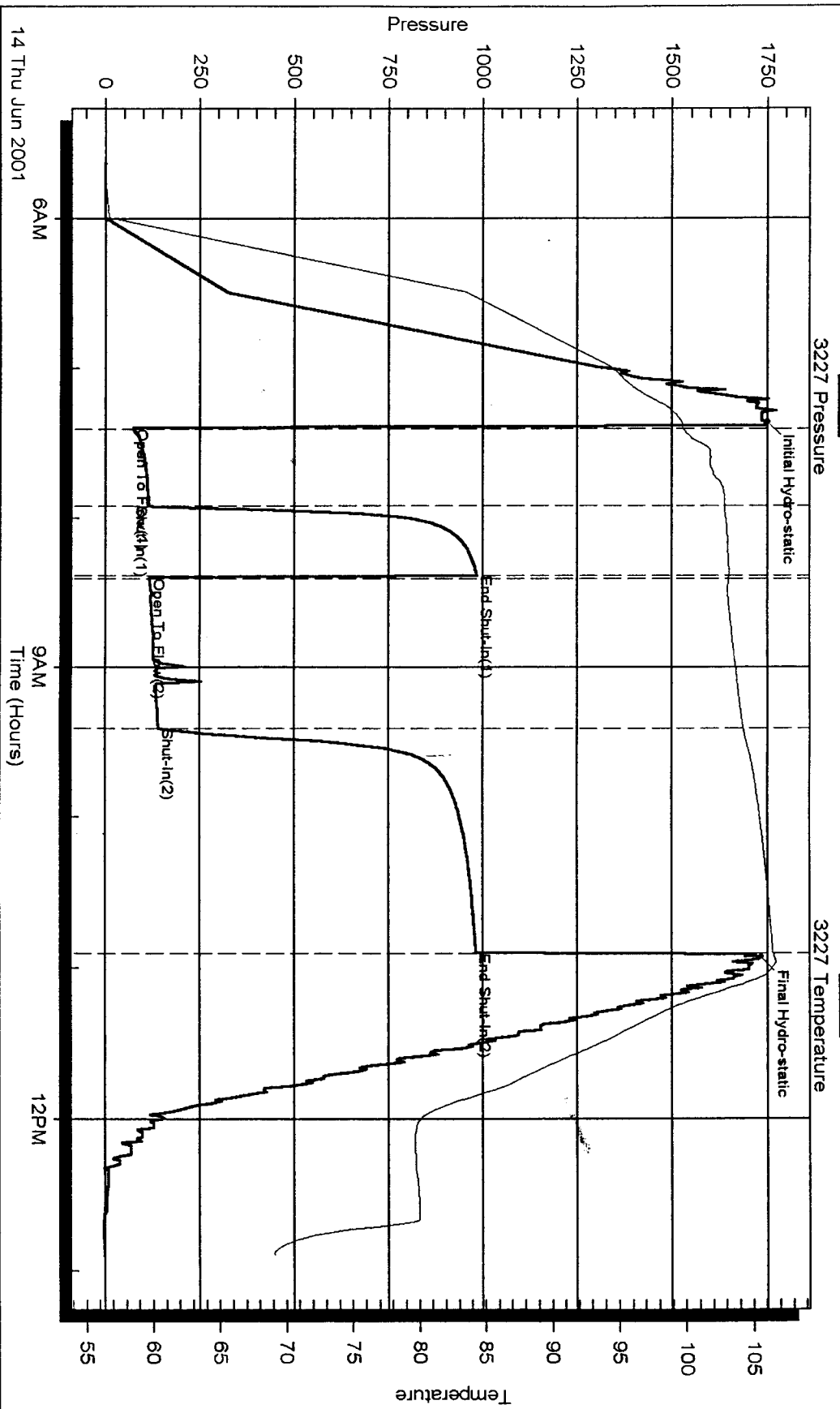
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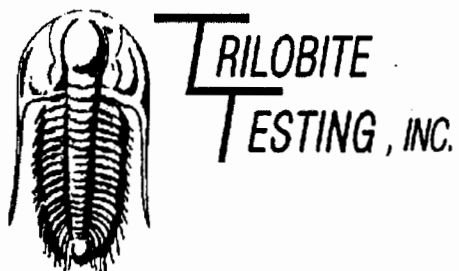
Coral Prod. Corp.

30--9s--21w Graham

DST Test Numbr. 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Coral Prod. Corp.**

1600 Stout St. Suite 1500
Denver, Co. 80202

ATTN: Jim Weber

30-9s-21w Graham

Smith #1

Start Date: 2001.06.14 @ 23:17:32

End Date: 2001.06.15 @ 06:09:32

Job Ticket #: 15432 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Coral Prod. Corp.

Smith #1

30-9s-21w Graham

DST # 3

LKC: H-I-J

2001.06.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Prod. Corp.

1600 Stout St. Suite 1500
Denver, Co. 80202

ATTN: Jim Weber

Smith #1

30-9s-21w Graham

Job Ticket: 15432

DST#: 3

Test Start: 2001.06.14 @ 23:17:32

GENERAL INFORMATION:

Formation: LKC- H-I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:08:17

Time Test Ended: 06:09:32

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3700.00 ft (KB) To 3740.00 ft (KB) (TVD)

Total Depth: 3610.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2355.00 ft (KB)

2350.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227

Inside

Press@RunDepth: 172.74 psig @ 3704.01 ft (KB)

Start Date: 2001.06.14

End Date: 2001.06.15

Start Time: 23:17:34

End Time: 06:09:32

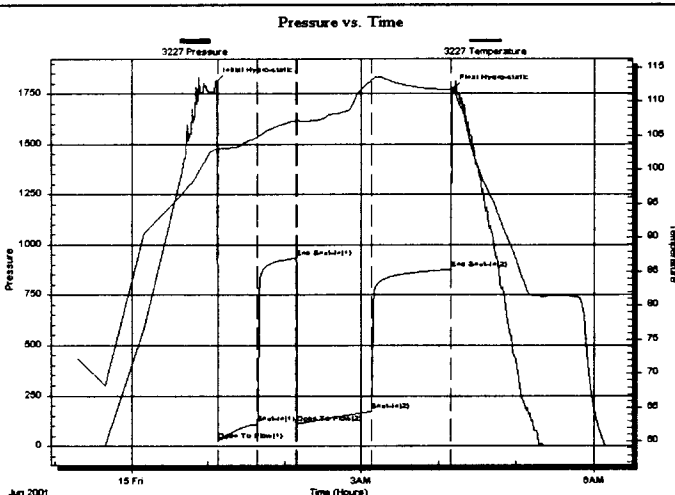
Capacity: 7000.00 psig

Last Calib.: 2001.01.15

Time On Btm: 2001.06.15 @ 01:06:32

Time Off Btm: 2001.06.15 @ 04:10:47

TEST COMMENT: IF- Weak built to 6" in IS-no blow Tool Slid 2' To Bottom
FF-Weak built to 7" in FS-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.89	102.99	Initial Hydro-static
2	23.08	103.01	Open To Flow (1)
33	109.11	104.80	Shut-In (1)
63	933.42	107.20	End Shut-In (1)
64	111.70	107.16	Open To Flow (2)
121	172.74	113.11	Shut-In (2)
184	876.60	111.68	End Shut-In (2)
185	1770.91	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	Muddy Water	2.95

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30-9s-21w Graham

Job Ticket: 15432

DST#: 3

ATTN: Jim Weber

Test Start: 2001.06.14 @ 23:17:32

Tool Information

Drill Pipe:	Length: 3525.00 ft	Diameter: 3.80 inches	Volume: 49.45 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	54000.00 lb
		Total Volume:	50.35 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3700.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.02 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
C.O. Sub	1.00			3681.00	
S.I. Tool	5.00			3686.00	
HMV	5.00			3691.00	
Packer	4.00			3695.00	20.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Stubb	1.00			3701.00	
Perforations	3.00			3704.00	
Recorder	0.01	3227	Inside	3704.01	
Perforations	33.00			3737.01	
Recorder	0.01	13308	Outside	3737.02	
Bullnose	3.00			3740.02	40.02 Bottom Packers & Anchor

Total Tool Length: 60.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30-9s-21w Graham

Job Ticket: 15432

DST#: 3

ATTN: Jim Weber

Test Start: 2001.06.14 @ 23:17:32

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:

29000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 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
330.00	Muddy Water	2.953

Total Length: 330.00 ft

Total Volume: 2.953 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUI

Coral Prod. Corp.

Smith #1

1600 Stout St. Suite 1500
Denver, Co. 80202

30--9s--21w Graham

Job Ticket: 15431

DS1

ATTN: Jim Weber

Test Start: 2001.06.14 @ 05:37:2

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil Apt:

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 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
180.00	H-O-G-C-W-M 5% gas 25% oil 18% water 52%	0.885
60.00	H-O-C-M 25% oil 75% mud	0.805
30.00	O-C-M 5% oil 95% mud	0.421

Total Length: 270.00 ft

Total Volume: 2.111 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3227

Inside

Coral Prod. Corp.

30-9s--21w Graham

DST Test Number: 3

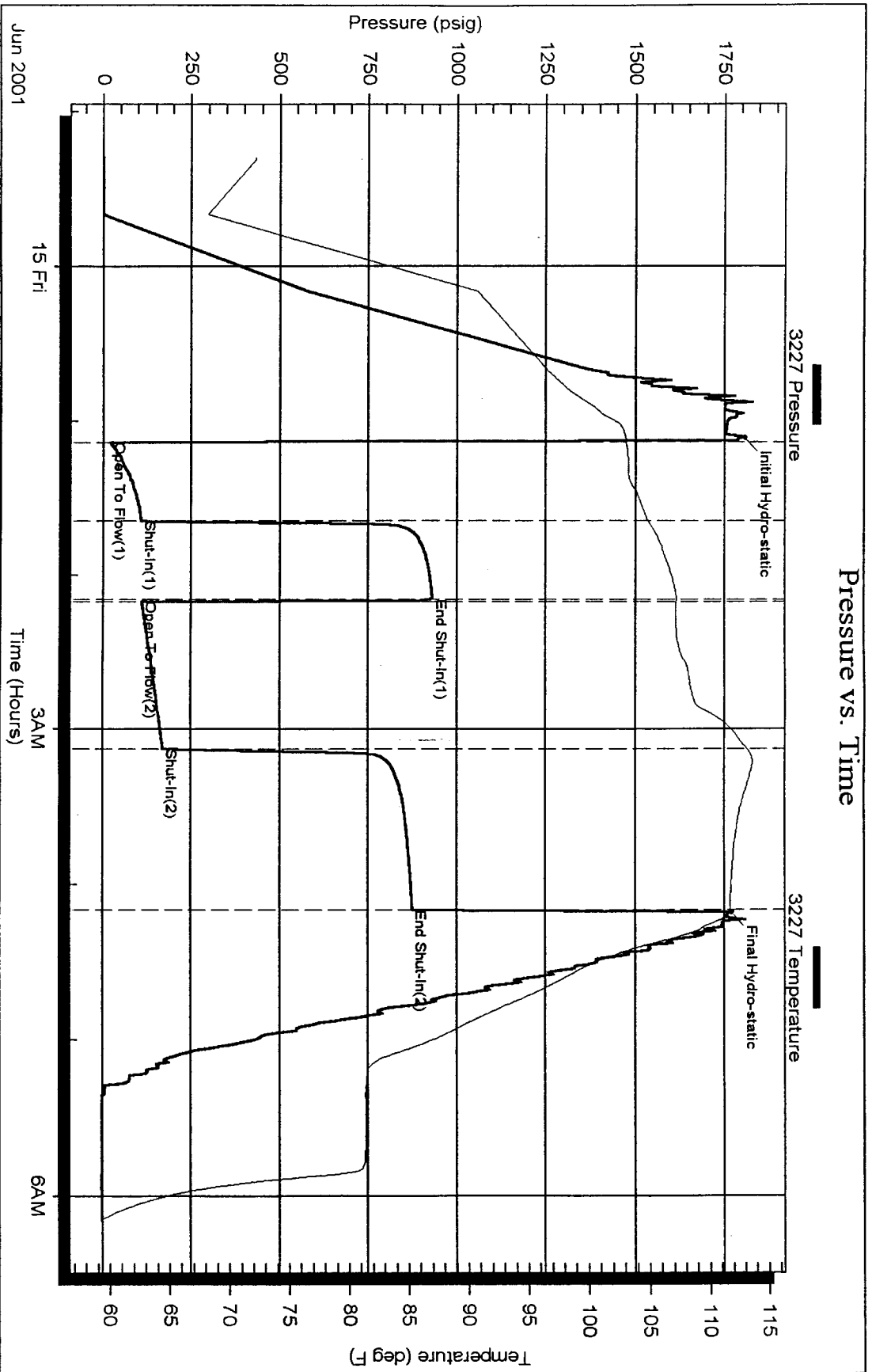
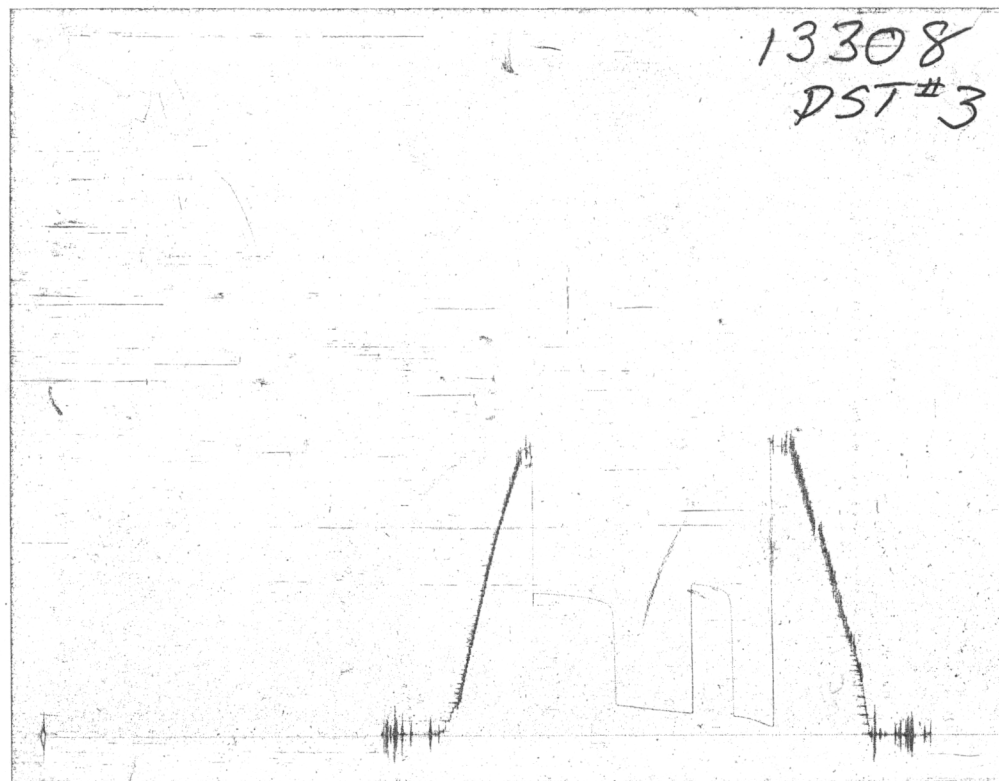
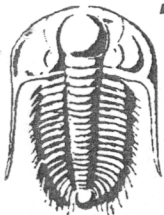


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15432

Test Ticket

Well Name & No. <u>SMITH #1</u>	Test No. <u>#3</u>	Date <u>6-15-01</u>
Company <u>CORAL PROD. CORP.</u>	Zone Tested <u>LKC, H-I-J</u>	
Address <u>1600 STOUT ST. SUITE 1500 DENVER, CO 80202</u>		Elevation <u>2355</u> KB <u>2350</u> GL
Co. Rep / Geo. <u>TIN LAUER</u>	Cont. <u>MURFIN #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>30</u>	Twp. <u>9S</u>	Rge. <u>21W</u> Co. <u>GRAHAM</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3700 To 3740</u>	Initial Str Wt./Lbs. <u>44,000</u>	Unseated Str Wt./Lbs. <u>44,000</u>
Anchor Length <u>40</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>54,000</u>
Top Packer Depth <u>3695</u>	Tool Weight <u>3,000</u>	
Bottom Packer Depth <u>3700</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>3740</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>184</u>
Mud Wt. <u>9.1</u> LCM <u>2.5</u> Vis. <u>52</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3525</u>
Blow Description <u>I.F. - WEAK BLOW BUILT 6" IN</u>	<u>F.S.I. NO BLOW</u>	
<u>F.F. - WEAK BLOW BUILT TO 7" IN</u>	<u>F.S.F. NO BLOW</u>	

SLID TOOL 2' TO BOTTOM

Recovery — Total Feet <u>330</u>	GIP <u> </u>	Ft. in DC <u>184</u>	Ft. in DP <u>146</u>
Rec. <u>330</u>	Feet Of <u>MUDDY WATER</u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>111</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>
RW <u>129</u>	@ <u>58</u> °F	Chlorides <u>29,000</u> ppm	Recovery Chlorides <u>3,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1808</u>	Alpine <u> </u>	PSI Recorder No. <u>3227</u>	T-On Location <u>22:30</u>
(B) First Initial Flow Pressure	<u>23</u>	PSI (depth) <u>3704</u>	T-Started <u>23:40</u>	
(C) First Final Flow Pressure	<u>109</u>	PSI Recorder No. <u>13308</u>	T-Open <u>01:00</u>	7:30
(D) Initial Shut-In Pressure	<u>933</u>	PSI (depth) <u>3737</u>	T-Pulled <u>04:00</u>	
(E) Second Initial Flow Pressure	<u>118</u>	PSI Recorder No. <u> </u>	T-Out <u>06:00</u>	
(F) Second Final Flow Pressure	<u>172</u>	PSI (depth) <u> </u>	T-Off Location <u>06:30</u>	
(G) Final Shut-in Pressure	<u>876</u>	PSI Initial Opening <u>30</u>	Test <u>BOTTOM HOLE</u>	700
(Q) Final Hydrostatic Mud	<u>1770</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>	
		Final Flow <u>60</u>	Safety Joint <u> </u>	
		Final Shut-in <u>60</u>	Straddle <u> </u>	
			Circ. Sub <u> </u>	
			Sampler <u> </u>	
			Extra Packer <u> </u>	
			Elec. Rec. <u>✓ 150</u>	
			Mileage <u>47</u>	
			Other <u> </u>	
			TOTAL PRICE \$ <u>897</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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

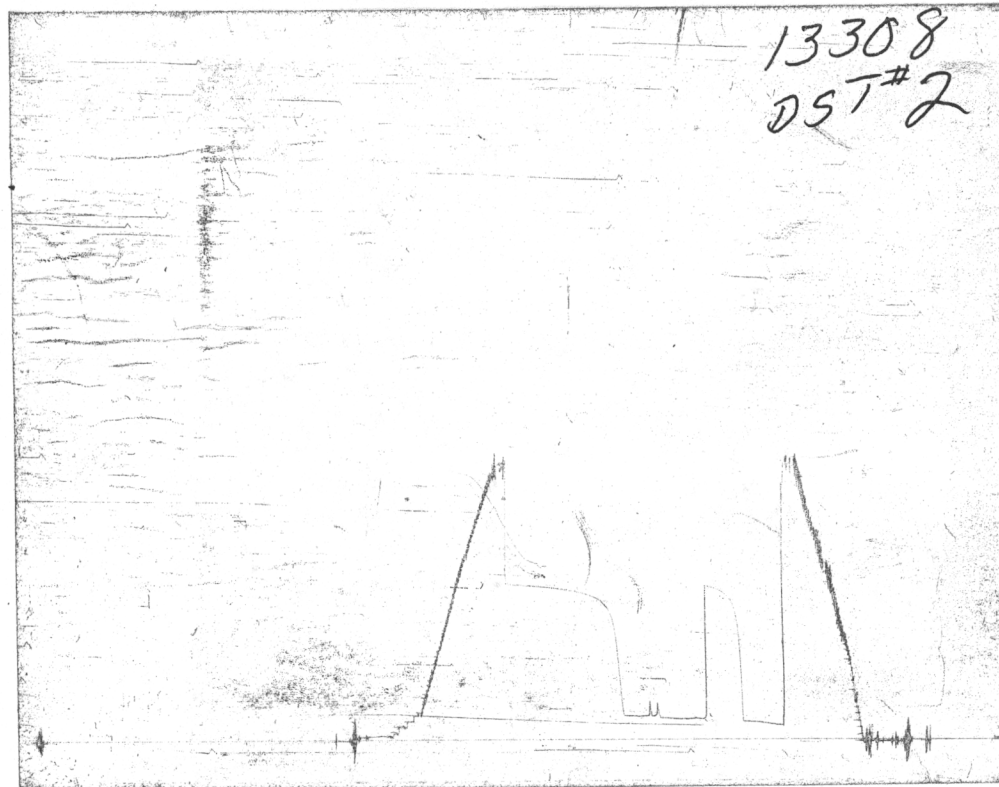
Tin Lauer

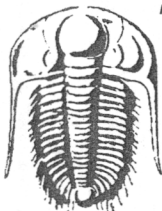
Our Representative

John F. Schmidt

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15431

Test Ticket

Well Name & No. <u>SMITH #1</u>	Test No. <u>#2</u>	Date <u>6-14-01</u>
Company <u>CORAL PROD. CORP.</u>	Zone Tested <u>LKC.-DEF</u>	
Address <u>1600 STOUT ST. SUITE 1500 DENVER, CO. 80202</u>		Elevation <u>2355</u> KB <u>2350</u> GL
Co. Rep / Geo. <u>TIM LAUER</u>	Cont. <u>MURFIN #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>30</u>	Twp. <u>9S</u>	Rge. <u>21W</u> Co. <u>GRAHAM</u> State <u>KS.</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested 3610 To 3650
 Anchor Length 40'
 Top Packer Depth 3605
 Bottom Packer Depth 3610
 Total Depth 3650
 Mud Wt. 9.2 LCM #1.5 Vis. 46 WL 8.8
 Blow Description IF - WEAK BLOW 2" IN
FF - WEAK BLOW 3" IN

Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 53,000
 Tool Weight 3,000
 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Wt. Pipe Run 0 Drill Collar Run 184
 Drill Pipe Size 4 1/2 XH Ft. Run 3431
I.S.I - NO BLOW
F.S.I - NO BLOW

"LOST 8' MUD WHEN OPEN TOOL HAD A 4" SURGE BLOW"

Recovery — Total Feet <u>270'</u>	GIP <u> </u>	Ft. in DC <u>184</u>	Ft. in DP <u>86</u>
Rec. <u>30</u> Feet Of <u>OCM</u>	%gas <u>5</u> %oil <u> </u>	%water <u>95</u> %mud <u> </u>	
Rec. <u>60</u> Feet Of <u>HOCM</u>	%gas <u>25</u> %oil <u> </u>	%water <u>75</u> %mud <u> </u>	
Rec. <u>180</u> Feet Of <u>HOBCLWM</u>	5 %gas <u>25</u> %oil <u>18</u>	%water <u>52</u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>	

BHT 106 °F Gravity °API D@ °F Corrected Gravity °API
 RW .33 @ 80 °F Chlorides 19,000 ppm Recovery Chlorides 3,000 ppm System

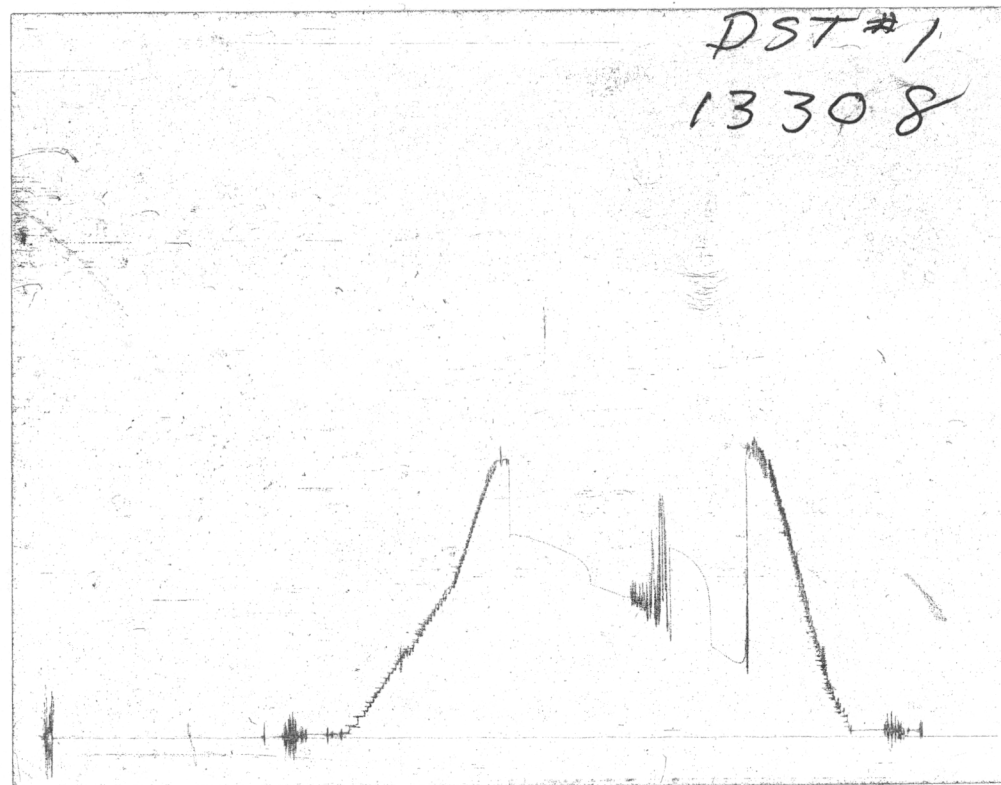
(A) Initial Hydrostatic Mud	AK-1 <u>1750</u>	Alpine <u>3227</u>	PSI Recorder No. <u>3227</u>	T-On Location <u>02:45</u>
(B) First Initial Flow Pressure	<u>76</u>	PSI (depth) <u>3614</u>		T-Started <u>05:45</u>
(C) First Final Flow Pressure	<u>114</u>	PSI Recorder No. <u>13308</u>		T-Open <u>07:13</u> ¹⁰
(D) Initial Shut-In Pressure	<u>987</u>	PSI (depth) <u>3647</u>		T-Pulled <u>10:43</u>
(E) Second Initial Flow Pressure	<u>118</u>	PSI Recorder No. <u> </u>		T-Out <u>12:45</u>
(F) Second Final Flow Pressure	<u>142</u>	PSI (depth) <u> </u>		T-Off Location <u>013:45</u>
(G) Final Shut-in Pressure	<u>983</u>	PSI Initial Opening <u>30</u>	Test <u>BOTTOM HOLE 700</u>	
(Q) Final Hydrostatic Mud	<u>1733</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>	
		Final Flow <u>60</u>	Safety Joint <u> </u>	
		Final Shut-in <u>90</u>	Straddle <u> </u>	
			Circ. Sub <u> </u>	
			Sampler <u> </u>	
			Extra Packer <u> </u>	
			Elec. Rec. <u>✓ 150</u>	
			Mileage <u>47</u>	
			Other <u>2hrs 60</u>	
			TOTAL PRICE \$ <u>957</u>	

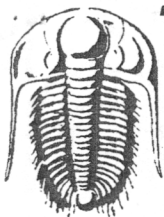
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Approved By Tim Lauer Tim LAUER
 Our Representative John F. Schmidt

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15430

Test Ticket

Well Name & No. <u>SMITH #1</u>	Test No. <u>#1</u>	Date <u>6-13-01</u>
Company <u>CORAL PROD. CORP.</u>	Zone Tested <u>LKC-A-B+C</u>	
Address <u>1600 STOUT ST, SUITE 1500 DENVER, CO, 80202</u>	Elevation <u>2355</u>	KB <u>2350</u> GL
Co. Rep / Geo. <u>TIM LAUER</u>	Cont. <u>MURFIN #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>30</u>	Twp. <u>9 S.</u>	Rge. <u>21 W</u> Co. <u>GRAHAM</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3555 TO 3610</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt./Lbs. <u>49,000</u>
Anchor Length <u>55'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>55,000</u>
Top Packer Depth <u>3550</u>	Tool Weight <u>3,000</u>	
Bottom Packer Depth <u>3555</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3610</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>184</u>
Mud Wt. <u>9.4</u> LCM <u>1.5</u> Vis. <u>53</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3374</u>
Blow Description <u>IF B.O.B. IN 30 SEC.</u>	<u>ISI - NO BLOW</u>	
<u>F.F B.O.B. IN 1 1/2 min.</u>	<u>FSI - NO BLOW</u>	

Recovery — Total Feet <u>1885'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>1765</u>	Feet Of <u>MUD</u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u>120</u>	Feet Of <u>WATERY MUD</u>	%gas <u> </u> %oil <u>45</u>	%water <u>55</u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT 111 °F Gravity °API D@ °F Corrected Gravity °API
RW .18 @ 92 °F Chlorides 12,500 ppm Recovery Chlorides 12,500 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1718</u>	PSI	Recorder No. <u>3227</u>	T-On Location <u>08:45</u>	
(B) First Initial Flow Pressure	<u>458</u>	PSI	(depth) <u>3540</u>	T-Started <u>10:30</u>	
(C) First Final Flow Pressure	<u>535</u>	PSI	Recorder No. <u>13308</u>	T-Open <u>11:52</u>	<u>9</u>
(D) Initial Shut-In Pressure	<u>1145</u>	PSI	(depth) <u>3607</u>	T-Pulled <u>2:52</u>	
(E) Second Initial Flow Pressure	<u>549</u>	PSI	Recorder No. <u> </u>	T-Out <u>05:45</u>	<u>17:45</u>
(F) Second Final Flow Pressure	<u>919</u>	PSI	(depth) <u> </u>	T-Off Location <u>06:30</u>	
(G) Final Shut-in Pressure	<u>1235</u>	PSI	Initial Opening <u>30</u>	Test <u>BOTTOM HOLE 700</u>	
(Q) Final Hydrostatic Mud	<u>1696</u>	PSI	Initial Shut-in <u>30</u>	Jars <u> </u>	
			Final Flow <u>60</u>	Safety Joint <u> </u>	
			Final Shut-in <u>60</u>	Straddle <u> </u>	
				Circ. Sub <u> </u>	
				Sampler <u> </u>	
				Extra Packer <u> </u>	
				Elec. Rec. <u>✓ 150</u>	
				Mileage <u>47</u>	
				Other <u>1 hr 30</u>	
				TOTAL PRICE \$ <u>927</u>	

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Approved By John J. Schmidt

Our Representative John J. Schmidt