

TUNA-3

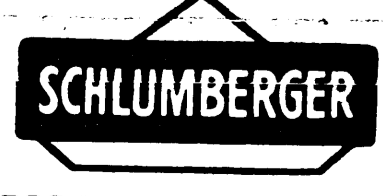
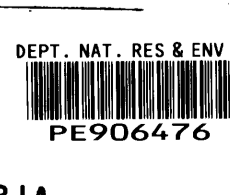
FORMATION TESTER RECOVERY DATA

FIT DATA

RUNS 1+2

TEST No <u>1</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>4627</u>		Gas (Total) <u>59.6</u> cuft		Type of tool <u>COMBO F.I.M.C</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate _____ cc		Type of Sample shot _____	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>15,000</u> cc		Sample Unit size <u>22,000</u> cc	
		Water _____ cc		Choke size <u>0.020</u>	
		Mud <u>1,000</u> cc			
		Sand _____ cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas <u>59.5</u> cuft		Rmf _____ @ _____ °F	
Shut in Time _____ min		Oil _____		Equivalent Cl _____ ppm	
Sampling <u>1850</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>17</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>2100</u> psi		Water _____		REMARKS	
Shut in Time <u>5</u> min		Rrf (Filtered) _____ @ _____ °F		SEGREGATOR	
Hydrostatic <u>2700</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>1400</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>2</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>4709</u>		Gas (Total) <u>0.8</u> cuft		Type of tool <u>COMBO F.I.M.C</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate _____ cc		Type of Sample shot _____	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>300</u> cc		Sample Unit size <u>22,000</u> cc	
		Water _____ cc		Choke size <u>0.020"</u>	
		Mud <u>2,500</u> cc			
		Sand _____ cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas <u>0.7</u> cuft		Rmf _____ @ _____ °F	
Shut in Time _____ min		Oil _____		Equivalent Cl _____ ppm	
Sampling <u>100</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>19</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>2000</u> psi		Water _____		REMARKS	
Shut in Time <u>8</u> min		Rrf (Filtered) _____ @ _____ °F			
Hydrostatic <u>2750</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>0</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>1</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>9000</u>		Gas (Total) <u>0.07</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF + 7/8</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22,165</u> cc	
		Water <u>100</u> cc		Choke size <u>0.020</u>	
		Mud <u>0</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in <u>5150</u> psi		Free Gas <u>0</u> cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time <u>1</u> min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>0</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>45</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>0</u> psi		Water _____		REMARKS	
Shut in Time <u>11.5</u> min		Rrf (Filtered) <u>0.47 @ 65</u> °F		TIGHT TEST	
Hydrostatic <u>5150</u> psi		Equivalent Cl <u>14,500</u> ppm			
Surface Chamber <u>10</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>2</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>8851</u>		Gas (Total) <u>76.1</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>250</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22165</u> cc	
		Water <u>330</u> cc		Choke size <u>0.020</u>	
		Mud <u>0</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in <u>4300</u> psi		Free Gas <u>76.1</u> cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time <u>2</u> min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>870</u> psi		API Gravity <u>48 @ 60</u> °F		Rw _____ @ _____ °F	
Sampling Time <u>54</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>4210</u> psi		Water _____		REMARKS	
Shut in Time <u>10</u> min		Rrf (Filtered) <u>0.5 @ 63</u> °F			
Hydrostatic <u>4900</u> psi		Equivalent Cl <u>11,500</u> ppm			
Surface Chamber <u>1200</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>3</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6610</u>		Gas (Total) <u>0</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF + 7/8</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22,165</u> cc	
		Water <u>0</u> cc		Choke size <u>0.020</u>	
		Mud <u>22000</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in <u>3750</u> psi		Free Gas <u>0</u> cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time <u>1</u> min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>0</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>4.5</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in _____ psi		Water _____		REMARKS	
Shut in Time _____ min		Rrf (Filtered) _____ @ _____ °F		TEST TIGHT. LOST SEAL WHEN TOOL HYDRAULICS FADED BECAUSE OF PACK OFF HYDRAULIC FLUID.	
Hydrostatic <u>3600</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>0</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>4</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6552</u>		Gas (Total) <u>0</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22,165</u> cc	
		Water <u>0</u> cc		Choke size <u>0.020</u>	
		Mud <u>4500</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in <u>3000</u> psi		Free Gas _____ cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time <u>1</u> min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling _____ psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time _____ min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in _____ psi		Water _____		REMARKS	
Shut in Time _____ min		Rrf (Filtered) _____ @ _____ °F		MUD RUN SEAL FAILED WHEN FLOWLINE OPENED.	
Hydrostatic <u>3600</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>0</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>5</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6551</u>		Gas (Total) <u>0</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22,165</u> cc	
		Water <u>0</u> cc		Choke size <u>0.020</u>	
		Mud <u>22,000</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas _____ cuft		Rmf <u>0.57 @ 70</u> °F	
Shut in Time _____ min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>200</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>3.3</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>3800</u> psi		Water _____		REMARKS	
Shut in Time _____ min		Rrf (Filtered) _____ @ _____ °F		TOOL HYDRAULICS FAIL SEAL VALVE DID NOT CLOSE. REVERSEFIRE.	
Hydrostatic <u>3800</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>0</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>6</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6551</u>		Gas (Total) <u>0.4</u> cuft		Type of tool <u>COMBO FIT</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>SCUM</u> cc		Sample Unit size <u>22165</u> cc	
		Water <u>11,500</u> cc		Choke size <u>0.020</u>	
		Mud <u>2000</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas <u>0.4</u> cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time _____ min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>300</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>31</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>2950</u> psi		Water _____		REMARKS	
Shut in Time <u>5</u> min		Rrf (Filtered) <u>0.67 @ 63</u> °F		REVERSEFIRE.	
Hydrostatic <u>3620</u> psi		Equivalent Cl <u>10,000</u> ppm			
Surface Chamber <u>100</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>7</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6666</u>		Gas (Total) <u>0</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>SCUM</u> cc		Sample Unit size <u>22165</u> cc	
		Water <u>11,500</u> cc		Choke size <u>0.020</u>	
		Mud <u>22000</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas _____ cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time _____ min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>3050</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>9</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in _____ psi		Water _____		REMARKS	
Shut in Time _____ min		Rrf (Filtered) _____ @ _____ °F		TOOL HYDRAULICS FAILED REVERSEFIRE.	
Hydrostatic <u>3720</u> psi		Equivalent Cl _____ ppm			
Surface Chamber <u>0</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>8</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6492</u>		Gas (Total) <u>31.6</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>10000</u> cc		Sample Unit size <u>22165</u> cc	
		Water <u>10000</u> cc		Choke size <u>0.020</u>	
		Mud <u>0</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas <u>31.6</u> cuft		Rmf <u>0.57 @ 72</u> °F	
Shut in Time _____ min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>2140</u> psi		API Gravity <u>44 @ 60</u> °F		Rw _____ @ _____ °F	
Sampling Time <u>15</u> min		GOR <u>500</u>		Equivalent Cl _____ ppm	
Final Shut in <u>2940</u> psi		Water _____		REMARKS	
Shut in Time <u>7</u> min		Rrf (Filtered) <u>0.56 @ 74</u> °F		REVERSEFIRE.	
Hydrostatic <u>3500</u> psi		Equivalent Cl <u>10,000</u> ppm			
Surface Chamber <u>1200</u> psi					
FORMATION TESTER RECOVERY DATA					
TEST No <u>9</u>		RECOVERY DATA		TOOL DATA	
TEST DEPTH <u>6666</u>		Gas (Total) <u>0</u> cuft		Type of tool <u>FIT COMBO</u>	
OPEN HOLE TEST <input checked="" type="checkbox"/>		Condensate <u>0</u> cc		Type of Sample shot <u>HTF</u>	
CASED HOLE TEST <input type="checkbox"/>		Oil <u>0</u> cc		Sample Unit size <u>22165</u> cc	
		Water <u>20000</u> cc		Choke size <u>0.020</u>	
		Mud <u>2,000</u> cc			
		Sand <u>0</u> cc			
PRESSURE DATA		RECOVERY ANALYSIS		MUD FILTRATE DATA	
Initial Shut in _____ psi		Free Gas _____ cuft		Rmf <u>0.57 @ 74</u> °F	
Shut in Time _____ min		Oil _____		Equivalent Cl <u>10,000</u> ppm	
Sampling <u>2630</u> psi		API Gravity _____ @ _____ °F		Rw _____ @ _____ °F	
Sampling Time <u>12</u> min		GOR _____		Equivalent Cl _____ ppm	
Final Shut in <u>2970</u> psi		Water _____		REMARKS	
Shut in Time <u>5</u> min		Rrf (Filtered) <u>0.51 @ 74</u> °F		REVERSEFIRE.	
Hydrostatic <u>3620</u> psi		Equivalent Cl <u>11,500</u> ppm			
Surface Chamber <u>50</u> psi					

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