

Computer inventoried

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

COPY

Drill-Stem Test Data

Well Name ABELL #9 Test No. 1 Date 8/18/92
Company AMERICAN WARRIOR, INC. Zone SHAWNEE
Address P.O. BOX 399 GARDEN CITY KS 67845 Elevation 2031
Co. Rep./Geo. SCOTT CORSAIR Cont. EAGLE DRILLING Est. Ft. of Pay _____
Location: Sec. 35 Twp. 32S Rge. 23W Co. CLARK State KS

Interval Tested	<u>4236-4399</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>163</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>397</u>
Top Packer Depth	<u>4231</u>	Drill Collar - 2.25 Ft. Run	<u>9.1</u>
Bottom Packer Depth	<u>4236</u>	Mud Wt.	<u>47</u> lb/Gal.
Total Depth	<u>4399</u>	Viscosity	<u>10.8</u>

Tool Open @ 4:15 AM Initial Blow 1" BLOW BUILDING TO 9.5"

Final Blow 1/4" BLOW BUILDING TO 4.5"

Recovery - Total Feet 250 Flush Tool? NO

Rec. <u>70</u>	Feet of	<u>MUD</u>
Rec. <u>180</u>	Feet of	<u>MUDDY WATER WITH OIL SPECKS IN TOOL</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 105 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.4 @ 61.1 °F Chlorides 19500 ppm Recovery Chlorides 7500 ppm System

(A) Initial Hydrostatic Mud	<u>2152.3</u> PSI	AK1 Recorder No.	<u>22150</u>	Range	<u>3925</u>
(B) First Initial Flow Pressure	<u>50.6</u> PSI	@ (depth)	<u>4238</u>	w / Clock No.	<u>27573</u>
(C) First Final Flow Pressure	<u>91.2</u> PSI	AK1 Recorder No.	<u>24174</u>	Range	<u>3050</u>
(D) Initial Shut-in Pressure	<u>1390.3</u> PSI	@ (depth)	<u>4398</u>	w / Clock No.	<u>27501</u>
(E) Second Initial Flow Pressure	<u>123.7</u> PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	<u>145.8</u> PSI	@ (depth)	_____	w / Clock No.	_____
(G) Final Shut-in Pressure	<u>1450.6</u> PSI	Initial Opening	<u>30</u>	Final Flow	<u>30</u>
(H) Final Hydrostatic Mud	<u>2104.7</u> PSI	Initial Shut-in	<u>30</u>	Final Shut-in	<u>60</u>

Our Representative PAUL SIMPSON