

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12600

Well Name & No. City of Liberal C-1 Test No: #1 Date 7-7-00
 Company Anadarko Pet. Corp. Zone Tested St. Louis
 Address P.O. Box 351 Liberal Ks. 67905-0351 Elevation _____ KB _____ GL _____
 Co. Rep / Geo. Dan Eisenhower Cont. Big A. Rig 2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 16 Twp. 34S Rge. 34W Co. Seward State Ks.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6830-6870 Initial Str Wt./Lbs. 78,000 Unseated Str Wt./Lbs. 88,000
 Anchor Length 40' Wt. Set Lbs. 40,000 Wt. Pulled Loose/Lbs. 130,000
 Top Packer Depth 6830 Tool Weight 2,000
 Bottom Packer Depth 6870 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 7016 Wt. Pipe Run _____ Drill Collar Run 373
 Mud Wt. 9.1 LCM 5 Vis. 54 WL 6.0 Drill Pipe Size 4 1/2 X H Ft. Run 6580
 Blow Description Strong blow B.O.B. in 2min. GTS in 13min.
Bled 2" Blow never completely died had 1" Blow back

Recovery — Total Feet 1950 GIP GTS Ft. in DC 373 Ft. in DP 1577
 Rec. 736 Feet Of Clean oil %gas 100 %oil _____ %water _____ %mud _____
 Rec. 1214 Feet Of Gas + mud cut oil %gas 30 %oil 50 %water 20 %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity 49 °API D @ 90 °F Corrected Gravity 46 °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System _____

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>3236</u>	<u>3218</u>	<u>3026</u>	<u>7:30 P.M.</u>
(B) First Initial Flow Pressure	<u>391</u>	<u>204</u>	(depth) <u>6840</u>	T-Started <u>9:30 P.M.</u>
(C) First Final Flow Pressure	<u>768</u>	<u>782</u>	PSI Recorder No. <u>13252</u>	T-Open <u>3:23 A.M.</u>
(D) Initial Shut-In Pressure	<u>2059</u>	<u>2067</u>	(depth) <u>6870</u>	T-Pulled <u>6:15 A.M.</u>
(E) Second Initial Flow Pressure	<u>825</u>	<u>801</u>	PSI Recorder No. <u>13277</u>	T-Out <u>12:51 P.M.</u>
(F) Second Final Flow Pressure	<u>825</u>	<u>858</u>	(depth) <u>7016</u>	T-Off Location <u>2:30 P.M.</u>
(G) Final Shut-in Pressure	<u>2139</u>	<u>2150</u>	PSI Initial Opening <u>30 mm.</u>	Test <input checked="" type="checkbox"/> <u>900⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>3213</u>	<u>3221</u>	PSI Initial Shut-in <u>12</u>	Jars <input checked="" type="checkbox"/> <u>200⁰⁰</u>
			Final Flow <u>5</u>	Safety Joint <input checked="" type="checkbox"/> <u>50⁰⁰</u>
			Final Shut-in <u>120</u>	Straddle <input checked="" type="checkbox"/> <u>250⁰⁰</u>
				Circ. Sub <input checked="" type="checkbox"/> <u>35⁰⁰</u>
				Sampler <input checked="" type="checkbox"/> <u>200⁰⁰</u>
				Extra Packer <input checked="" type="checkbox"/> <u>150⁰⁰</u>
				Elec. Rec. <input checked="" type="checkbox"/> <u>150⁰⁰</u>
				Mileage <u>35⁰⁰</u>
				Other <u>5.5 hrs std by 16.5⁰⁰</u>

TRILOBITE TESTING L.L.C. 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 Chad McAllister
 Our Representative Scott Byrnes

RELEASED

NOV 12 2002

FROM CONFIDENTIAL

TOTAL PRICE \$ 2135⁰⁰