

KCC

OCT 08 1998

ORIGINAL

TRILOBITE TESTING L.L.C.

CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601

15-175-21754

№ 10977

CONFIDENTIAL Test Ticket

Well Name & No. Harbick "B-1" Test No. 1 Date 10-3-98
 Company Aradaska Pet. Corp. Zone Tested Spargen
 Address Liberal Ks. & Houston Tx. Elevation 2910 KB, 2900 GL
 Co. Rep / Geo. Steve Ridenhour Cont. Big A Rig 1 Est. Ft. of Pay 12 Por. 14 %
 Location: Sec. 11 Twp. 35 S. Rge. 34 W. Co. Seward State Ks.
 No. of Copies Req. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 6786-6890 Initial Str Wt./Lbs. 10000 Unseated Str Wt./Lbs. 112,000
 Anchor Length 104 Tail=30' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 6781 Tool Weight 3,300
 Bottom Packer Depth 6786 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6890 Wt. Pipe Run _____ Drill Collar Run 675
 Mud Wt. 9.0 LCM 8# Vis. 62 WL 9.0 Drill Pipe Size 4 1/2 KH Ft. Run 6108 27' up

Blow Description Weak 1/2" built to strength OBB in 9 min. T o F o P
2 1/2" blow-backs T o S o T o P
Weak 1/2" built to strength OBB in 7 min. F o F o P
OBB blow-backs F o S o T o P

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>990</u>	<u>4,590</u>	<u>675</u>	<u>315</u>
Rec. <u>3</u> Feet Of <u>Condensate</u>	%gas _____ %oil _____ %water _____ %mud _____		
Rec. <u>127</u> Feet Of <u>O&G cut Mud</u>	<u>5</u> %gas <u>5</u> %oil %water _____ %mud _____		
Rec. <u>185</u> Feet Of <u>5 1/2" O&G cut Mud w/ Wt.</u>	<u>10</u> %gas <u>2</u> %oil <u>52</u> %water <u>36</u> %mud		
Rec. <u>675</u> Feet Of <u>Course Wt.</u>	<u>5</u> %gas _____ %oil _____ <u>95</u> %water _____ %mud _____		
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____		

BHT 156 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW 0.32 @ 59 °F Chlorides 25,500 ppm Recovery Chlorides 4,600 ppm System

(A) Initial Hydrostatic Mud	<u>3425</u> <u>3375</u> PSI	Recorder No. <u>3017 "1752"</u>	T-Started <u>6:05 P.M.</u>
(B) First Initial Flow Pressure	<u>138</u> <u>103</u> PSI	(depth) <u>6796</u>	T-Open <u>9:55 P.M.</u>
(C) First Final Flow Pressure	<u>300</u> <u>313</u> PSI	Recorder No. <u>11019</u>	T-Pulled <u>2:25 A.M.</u>
(D) Initial Shut-in Pressure	<u>2106</u> <u>2089</u> PSI	(depth) <u>6887</u>	T-Out <u>8:15 A.M.</u>
(E) Second Initial Flow Pressure	<u>371</u> <u>334</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>497</u> <u>474</u> PSI	(depth) _____	
(G) Final Shut-in Pressure	<u>2136</u> <u>2077</u> PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>3323</u> <u>3260</u> PSI	Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/>

AK-1 Alpine Final Flow 60 Safety Joint
A0381752.017 Final Shut-in 120 Straddle _____
 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 T. Michael Dodge FROM CONFIDENTIAL
 TOTAL PRICE \$ 1,500.00

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FLUID SAMPLER DATA

Ticket No. 10977 Date 10-3-98

Company Name Aradacko

Lease Headrick "B-1" Test No. 1

County Seward Ks. Sec. 11 Twp. 35.5 Rng. 34W.

SAMPLER RECOVERY

Total Vol. = 5000 ML.

Gas 9.5 CFE ~~ML~~

Oil 100 ML

Mud 0 ML

Water 4800 ML

Other - ML

Pressure 650 PSI

Total Vol. Rec. = 4900 ML

PIT MUD ANALYSIS

Chlorides 1,600 ppm.

Resistivity 3.8 ohms @ 65 F

Viscosity 6.2

Mud Weight 9.0

Filtrate 9.0

Other 8# Lo Cal Ma

SAMPLER ANALYSIS

Resistivity 0.27 ohms @ 59 F

Chlorides 30,500 ppm.

Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE
Resistivity 0.32 ohms @ 59 F

Chlorides 25,500 ppm.

BOTTOM
Resistivity _____ ohms @ _____ F

Chlorides REMOVED ppm.

OCT 05 2000

FROM CONFIDENTIAL