TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: VALEDEZ #1 Test No. 1 Date 6/22/92

Company: ABERCROMBIE DRILLING, INC. Zone CHEROKEE

Address: 150 N MAIN #801 WICHITA KS 67202 Elevation 2285 K.B.

Co. Rep./Geo. STEVE FRANKAMP Cont. ABERCROMBIE DRLG #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25S Rge. 21W Co. FORD State KS

Interval Tested: 4656-4720

Anchor Length: 64

Top Packer Depth: 4651

Bottom Packer Depth: 4656

Total Depth: 4720

Drill Pipe Size: 4.5 XH

Wt. Pipe I.D. - 2.7 Ft. Run: 472

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.4 lb/Gal.

Viscosity 51 Filtrate 9.6

Tool Open @ 4:40 AM Initial Blow 1/4" BLOW DIED IN 25 MINUTES

Final Blow NO BLOW-FLUSHED TOOL-GOT SURGE/SURFACE BLOW DIED IN 5 MINUTES

Recovery - Total Feet 10 Flush Tool? YES

Rec. 10 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 118 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2312.6 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 28.4 PSI @ (depth) 4690 w / Clock No. 27594

(C) First Final Flow Pressure 28.4 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 44.6 PSI @ (depth) 4717 w / Clock No. 30418

(E) Second Initial Flow Pressure 28.4 PSI AK1 Recorder No. Range

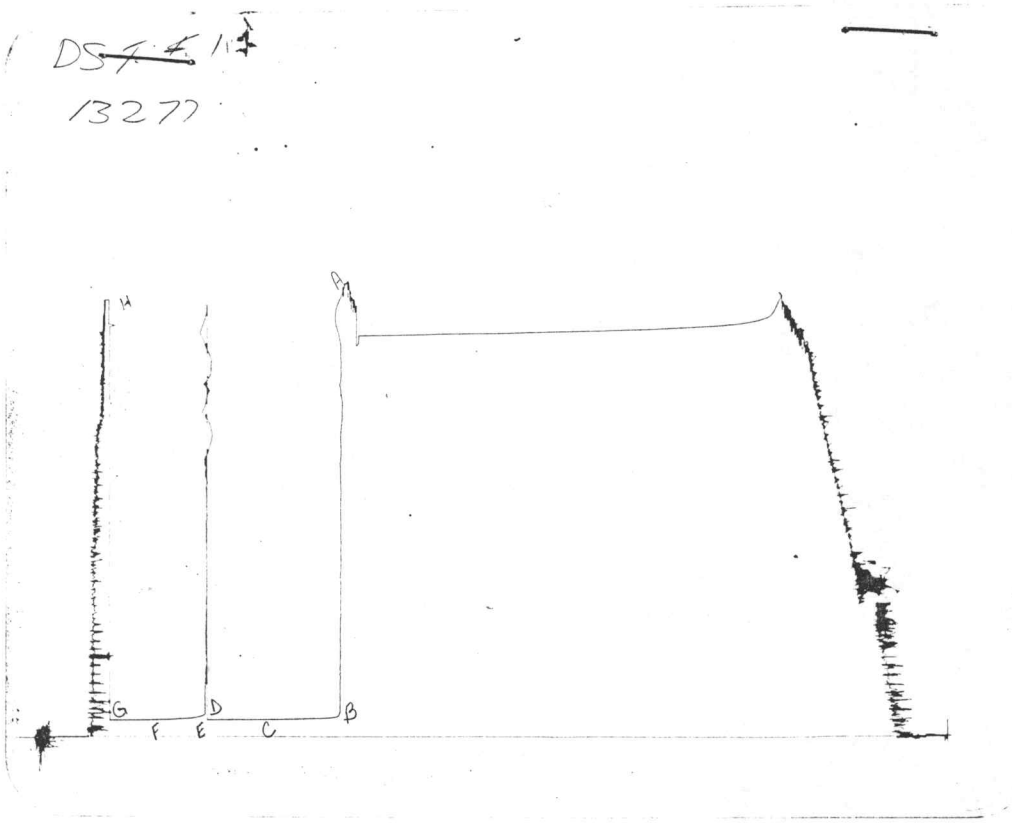
(F) Second Final Flow Pressure 28.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 28.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2260.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2310	2312.6
(B) FIRST INITIAL FLOW PRESSURE	27	28.4
(C) FIRST FINAL FLOW PRESSURE	27	28.4
(D) INITIAL CLOSED-IN PRESSURE	41	44.6
(E) SECOND INITIAL FLOW PRESSURE	27	28.4
(F) SECOND FINAL FLOW PRESSURE	27	28.4
(G) FINAL CLOSED-IN PRESSURE	27	28.4
(H) FINAL HYDROSTATIC MUD	2259	2260.1

TRILOBITE TESTING L.L.C.

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Test Ticket

№ 5026

Well Name & No. Valedez #1 Test No. #1 Date 6-22-92

Company Abercrombie Drlg Inc. Zone Tested Cherokee

Address 150 N. Main Suite 801 Wichita 67202 Elevation 2285 (KB)

Co. Rep./Geo. Steve Frankamp Cont. Abercrombie Drlg #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25 Rge. 21 Co. Ford State Ks.

No. of Copies 5 Distribution Sheet ____ Yes X No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4656-4720 Drill Pipe Size 4.5 x-Hole

Anchor Length 64' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4651 Hole Size — 7⁷/₈" ____ Rubber Size — 6³/₄" ____

Bottom Packer Depth 4656 Wt. Pipe I.D. — 2.7 Ft. Run 472'

Total Depth 4720 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.4 lb/gal. Viscosity 51 Filtrate 9.6

Tool Open @ 4:40 AM Initial Blow 1/4 blow died in 25 min.

Final Blow No blow - Flushed tool got surge - surface blow died in 5 min.

Recovery — Total Feet 10' Feet of Gas in Pipe ____ Flush Tool? yes

Rec.		Feet Of	%gas	%oil	%water	%mud
Rec.		Feet Of	%gas	%oil	%water	%mud
Rec.	10'	Feet Of Drlg mud	%gas	%oil	%water	%mud
Rec.		Feet Of	%gas	%oil	%water	%mud
Rec.		Feet Of	%gas	%oil	%water	%mud

BHT 118 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud	2310 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	27 PSI	@ (depth)	4690	w/Clock No.	27594
(C) First Final Flow Pressure	27 PSI	AK1 Recorder No.	11038	Range	5075
(D) Initial Shut-In Pressure	41 PSI	@ (depth)	4717	w/Clock No.	30418
(E) Second Initial Flow Pressure	27 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	27 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	27 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2259 PSI	Initial Shut-In	45	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

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 Steve Frankamp

Our Representative Tom Hornek

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: VALEDEZ #1 Test No. 2 Date 6/23/92

Company: ABERCROMBIE DRILLING, INC. Zone MISSISSIPPI

Address: 150 N MAIN #801 WICHITA KS 67202 Elevation 2285 K.B.

Co. Rep./Geo. STEVE FRANKAMP Cont. ABERCROMBIE DRLG #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25S Rge. 21W Co. FORD State KS

Interval Tested 4715-4755

Anchor Length 40

Top Packer Depth 4710

Bottom Packer Depth 4715

Total Depth 4755

Drill Pipe Size 4.5 XH

Wt. Pipe I.D. - 2.7 Ft. Run 503

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.4 lb/Gal.

Viscosity 53 Filtrate 9.6

Tool Open @ 8:35 PM Initial Blow SURFACE BLOW BUILT TO 1"

Final Blow 1/4" BLOW DECREASED TO WEAK SURFACE BLOW

Recovery - Total Feet 30 Flush Tool? NO

Rec. 10 Feet of CLEAN GASSY OIL-5%GAS/95%OIL

Rec. 20 Feet of OIL CUT MUD-2%GAS/20%OIL/78%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 119 °F Gravity 35 °API @ 80 °F Corrected Gravity 34 °API

RW @ °F Chlorides ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud 2377.1 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 44.6 PSI @ (depth) 4721 w / Clock No. 27594

(C) First Final Flow Pressure 44.6 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 83.5 PSI @ (depth) 4752 w / Clock No. 30418

(E) Second Initial Flow Pressure 44.6 PSI AK1 Recorder No. Range

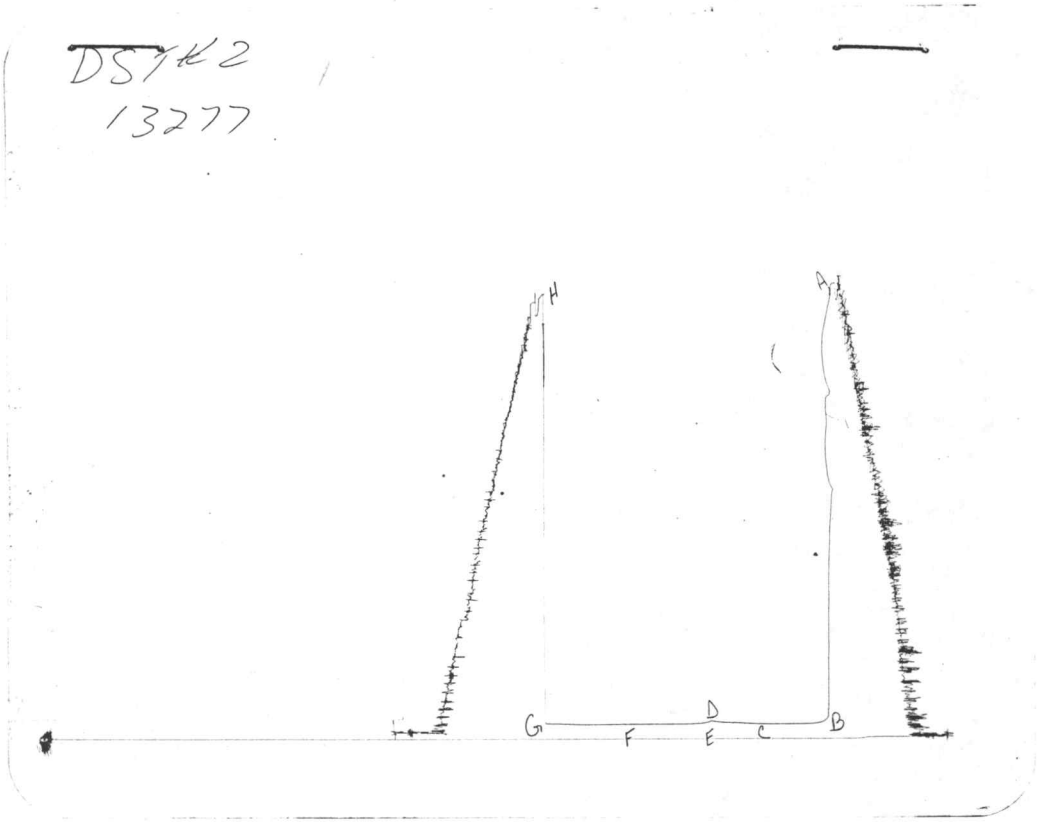
(F) Second Final Flow Pressure 44.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 70.9 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2340.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2374	2377.1
(B) FIRST INITIAL FLOW PRESSURE	41	44.6
(C) FIRST FINAL FLOW PRESSURE	41	44.6
(D) INITIAL CLOSED-IN PRESSURE	82	83.5
(E) SECOND INITIAL FLOW PRESSURE	41	44.6
(F) SECOND FINAL FLOW PRESSURE	41	44.6
(G) FINAL CLOSED-IN PRESSURE	68	70.9
(H) FINAL HYDROSTATIC MUD	2336	2340.1

TRILOBITE TESTING L.L.C.

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Test Ticket

№ 5027

Well Name & No. Valedez #1 Test No. #2 Date 6-23-92

Company Abercrombie Drlg Inc. Zone Tested Miss.

Address 150 N. Main, Suite 801 Wichita Ks 67202 Elevation 2285 KB

Co. Rep./Geo. Steve Frankamp Cont. Abercrombie Drlg #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25 Rge. 21 Co. Ford State Ks

No. of Copies 5 Distribution Sheet ____ Yes X No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4715-4755 Drill Pipe Size 4.5 x-Hole

Anchor Length 40' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4710 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4715 Wt. Pipe I.D. — 2.7 Ft. Run 503

Total Depth 4755 Drill Collar — 2.25 Ft. Run -

Mud Wt. 9.4 lb/gal. Viscosity 53 Filtrate 9.6

Tool Open @ 8:35 pm Initial Blow surface blow built to 1 in.

Final Blow 1/4 blow decreased to weak surface blow

Recovery — Total Feet 30' Feet of Gas in Pipe ____ Flush Tool? NO

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 10	Feet Of	CGO	5 %gas	95 %oil	%water	%mud
Rec. 20	Feet Of	OCM	2 %gas	20 %oil	%water 78	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 119 °F Gravity 35 °API @ 80 °F Corrected Gravity 34 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	2374 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	41 PSI	@ (depth)	4721	w/Clock No.	27594
(C) First Final Flow Pressure	41 PSI	AK1 Recorder No.	11038	Range	5075
(D) Initial Shut-In Pressure	82 PSI	@ (depth)	4752	w/Clock No.	30418
(E) Second Initial Flow Pressure	41 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	41 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	68 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2336 PSI	Initial Shut-In	45	Jars	
		Final Flow	60	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

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Approved By Steve Franking

Our Representative Toni Horacek

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: VALEDEZ #1 Test No. 3 Date 6/24/92

Company: ABERCROMBIE DRILLING, INC. Zone MISSISSIPPI

Address: 150 N MAIN #801 WICHITA KS 67202 Elevation 2285 K.B.

Co. Rep./Geo. STEVE FRANKAMP Cont. ABERCROMBIE DRLG #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25S Rge. 21W Co. FORD State KS

Interval Tested 4754-4762

Anchor Length 8

Top Packer Depth 4749

Bottom Packer Depth 4754

Total Depth 4762

Drill Pipe Size 4.5 XH

Wt. Pipe I.D. - 2.7 Ft. Run 503

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.4 lb/Gal.

Viscosity 65 Filtrate 20

Tool Open @ 10:25 AM Initial Blow 1/4" BLOW - BUILT TO 2.5"

Final Blow SURFACE BLOW - BUILT TO 2"

Recovery - Total Feet 30 Flush Tool? NO

Rec. 20 Feet of CLEAN GSY CUT OIL-2%GAS/98%OIL

Rec. 10 Feet of OIL CUT MUD-10%OIL/90%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 119 °F Gravity 36 °API @ 80 °F Corrected Gravity 35 °API

RW @ °F Chlorides ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud 2377.1 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 28.4 PSI @ (depth) 4756 w / Clock No. 27594

(C) First Final Flow Pressure 28.4 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 125.6 PSI @ (depth) 4759 w / Clock No. 30418

(E) Second Initial Flow Pressure 28.4 PSI AK1 Recorder No. Range

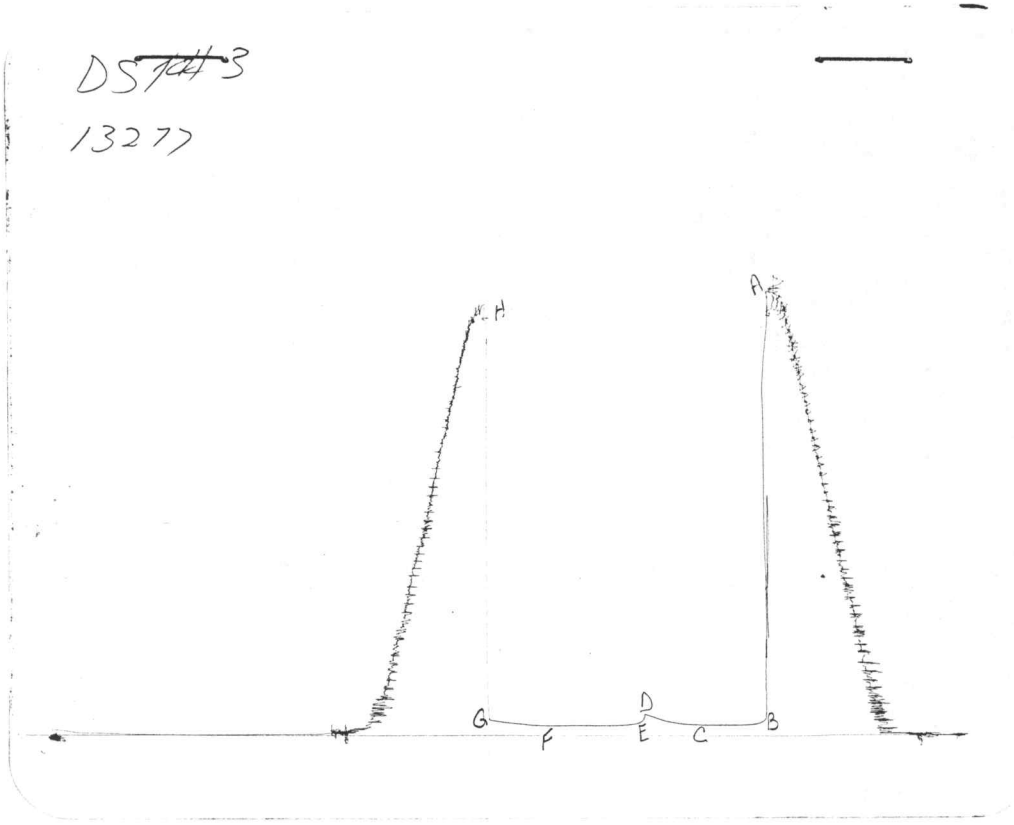
(F) Second Final Flow Pressure 28.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 88.9 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2340.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2374	2377.1
(B) FIRST INITIAL FLOW PRESSURE	27	28.4
(C) FIRST FINAL FLOW PRESSURE	27	28.4
(D) INITIAL CLOSED-IN PRESSURE	122	125.6
(E) SECOND INITIAL FLOW PRESSURE	27	28.4
(F) SECOND FINAL FLOW PRESSURE	27	28.4
(G) FINAL CLOSED-IN PRESSURE	82	88.9
(H) FINAL HYDROSTATIC MUD	2336	2340.1

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5028

Well Name & No. Valedee #1 Test No. #3 Date 6-24-92

Company Abercrombie Drlg Inc. Zone Tested Miss

Address 150 N. Main, Suite 801 Wichita Ks 67202 Elevation 2285 (KB)

Co. Rep./Geo. Steve Frankamp Cont. Abercrombie Drlg #5 Est. Ft. of Pay

Location: Sec. 25 Twp. 25 Rge. 21 Co. Ford State KS.

No. of Copies 5 Distribution Sheet ____ Yes X No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4754-4762 Drill Pipe Size 4.5 x-Hole

Anchor Length 8' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4749 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4754 Wt. Pipe I.D. — 2.7 Ft. Run 503

Total Depth 4762 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.4 lb/gal. Viscosity 65 Filtrate 20

Tool Open @ 10:25 PM Initial Blow 1/4 blow - built to 2 1/2 in.

Final Blow surface blow - built to 2 in.

Recovery — Total Feet 30 Feet of Gas in Pipe ____ Flush Tool? NO

Rec.		Feet Of		%gas		%oil	%water	%mud
Rec.		Feet Of		%gas		%oil	%water	%mud
Rec.	20	Feet Of	CGCO	%gas	2	%oil 98	%water	%mud
Rec.	10	Feet Of	OCM	%gas		%oil 10	%water 90	%mud
Rec.		Feet Of		%gas		%oil	%water	%mud

BHT 119 °F Gravity 36 °API @ 80 °F Corrected Gravity 35 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 12,000 ppm System

(A) Initial Hydrostatic Mud	2374 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	27 PSI	@ (depth)	4756	w/Clock No.	27594
(C) First Final Flow Pressure	27 PSI	AK1 Recorder No.	11038	Range	5075
(D) Initial Shut-In Pressure	122 PSI	@ (depth)	4759	w/Clock No.	30418
(E) Second Initial Flow Pressure	27 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	27 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	82 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	2336 PSI	Initial Shut-In	45	Jars	
		Final Flow	60	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

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Approved By Steve Frankamp

Our Representative Tom Hornack

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