

Cox #1, Becker Oil Corp.  
15-083-21473

Sec. 3, T. 21S, R. 22W.



**TRILOBITE**  
**TESTING, INC.**

DRILL STEM TEST REPORT

Prepared for:

Becker Oil Corporation  
122 E. Grand Suite 212

**RELEASED** Hays, MO 67601

**MAR 15 2004** #1  
3 21s 22w

**FROM CURATOR** Hodgeman, KS  
KANSAS CORPORATION COMMISSION

**FEB 11 2002**

CONSERVATION DIVISION

Trilobite Testing, Inc  
PO Box 362 - Hays, Kansas - 67601  
ph: 785-625-4778 fax: 785-625-5620  
e-mail: trilobite@eaglecom.net



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

RELEASED

MAR 15 2004

FROM CONFIDENTIAL

Well name#:	Cox #1	Date:	11/19/2001
Location#:	3 21s 22w	Ticket #:	15657
		DST#:	1

### General Informaion:

Formation:	Krider	Test Type:	Conventional	BHT:	85
Interval:	2211-2280	Tester:	Ray Schwager	OIL API:	
Total Depth:	2280	Elevation:	2180 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2173 ft(CF)		

Start Data:	11/19/2001	Tool Weight:	2200	Mud Type:	Chemical
Start Time:	15:00:00	Weight Set on Packers:	25000	Mud Weight:	10.1
Time tool opened:	17:50:00	Weight to Pull Loose:	70000	Viscosity:	37
Time Off Btm:	22:20:00	Initial String Weight:	60000	Water Loss:	16
End Date:	11/19/01	Final String Weight:	60000	Resistivity:	-
End Time:	22:45:00	Drill Pipe Length:	1620	Salinity:	83000
		Drill Collar Length:	580		

### Test Comment:

IFP - Weak blow throughout 2" blow  
 FFP - Fair to weak blow 5" to 2" blow

*KCC sa*  
 FEB 14 2002  
 CONFIDENTIAL

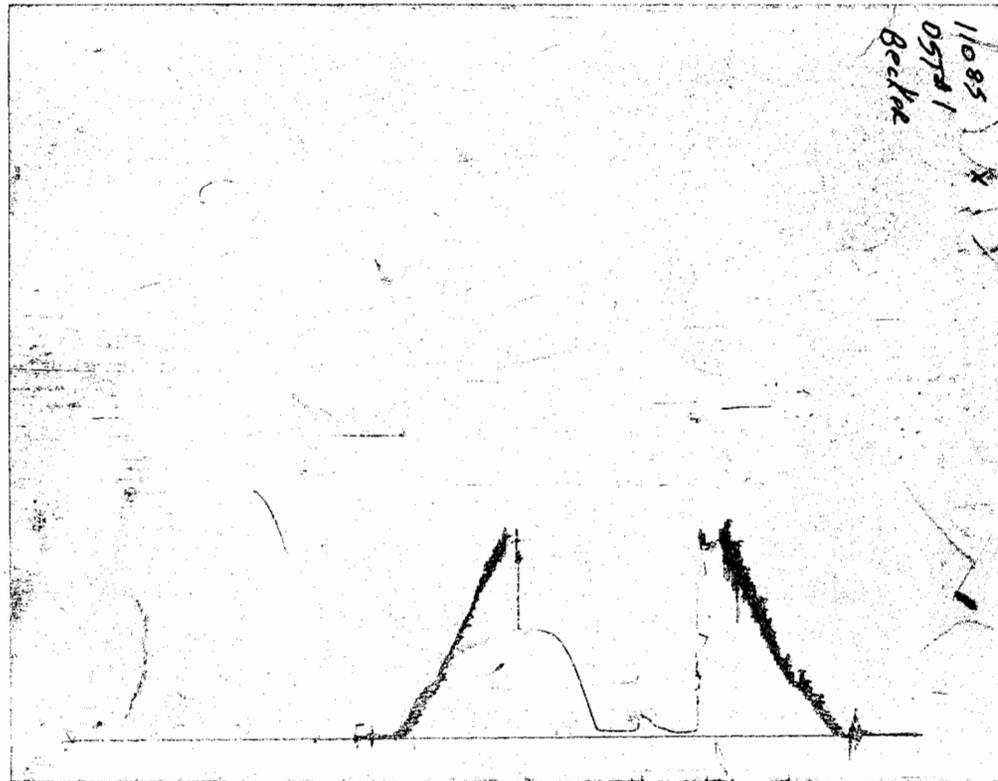
Recovery	60ft	60ft DC
Length(ft):	Description:	
60	SGCM 4%gas 96%mud	

### Gas Volume Report

Recorder #:	11085	Open	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)			PSIG	size	
Initial Hydro-static:	1187					
Open to Flow (1):	23	15				
Shut-in (1):	23					
End Shut-in (1):	128	30				
Open to Flow (2):	36	30				
Shut-in (2):	36					
End Shut-in (2):	632	60				
Final Hydro-static:	1195					

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15657

## Test Ticket

Well Name & No. Cox #1 Test No. 1 Date 11-19-01  
 Company Becker Oil Corporation Zone Tested Krider  
 Address 122 E. GRAND, SUITE 212 Ponca City, OK 74601 Elevation 2180 KB 2173 GL  
 Co. Rep / Geo. Jerry Smith Cont. Cheyenne rig 11 Est. Ft. of Pay - Por. - %  
 Location: Sec. 3 Twp. 21<sup>S</sup> Rge. 22<sup>W</sup> Co. Hodgeman State Ks  
 No. of Copies Req Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 2211 - 2280 Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 60000  
 Anchor Length 69 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 78000  
 Top Packer Depth 2206 Tool Weight 2200  
 Bottom Packer Depth 2211 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 2280 Wt. Pipe Run - Drill Collar Run 580  
 Mud Wt. 10.1 LCM 1# Vis. 37 WL 16 Drill Pipe Size 4 1/2 X H Ft. Run 1620  
 Blow Description TFP - WEAK BLOW THROUGHOUT 2" BLOW  
FFP - FAIR TO WEAK BLOW 5" TO 2" BLOW

Recovery — Total Feet 60 GIP - Ft. in DC 60 Ft. in DP -  
 Rec. 60 Feet Of 56CM %gas 4 %oil - %water 96 %mud -  
 Rec. - Feet Of - %gas - %oil - %water - %mud -  
 Rec. - Feet Of - %gas - %oil - %water - %mud -  
 Rec. - Feet Of - %gas - %oil - %water - %mud -  
 Rec. - Feet Of - %gas - %oil - %water - %mud -  
 BHT 85 °F Gravity - °API D@ - °F Corrected Gravity - °API -  
 RW - @ - °F Chlorides - ppm Recovery Chlorides 83000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1115</u>		PSI Recorder No. <u>11085</u>	T-On Location <u>1430</u>
(B) First Initial Flow Pressure	<u>22</u>		PSI (depth) <u>2213</u>	T-Started <u>1500</u>
(C) First Final Flow Pressure	<u>22</u>		PSI Recorder No. <u>13547</u>	T-Open <u>1750</u>
(D) Initial Shut-In Pressure	<u>121</u>		PSI (depth) <u>2216</u>	T-Pulled <u>2005</u>
(E) Second Initial Flow Pressure	<u>33</u>		PSI Recorder No. <u>-</u>	T-Out <u>2220</u>
(F) Second Final Flow Pressure	<u>33</u>		PSI (depth) <u>-</u>	T-Off Location <u>2245</u>
(G) Final Shut-in Pressure	<u>626</u>		PSI Initial Opening <u>15</u>	Test <u>700</u>
(Q) Final Hydrostatic Mud	<u>1126</u>		PSI Initial Shut-in <u>30</u>	Jars <u>-</u>
			Final Flow <u>30</u>	Safety Joint <u>50</u>
			Final Shut-in <u>60</u>	Straddle <u>-</u>

TRILOBITE TESTING INC. 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 [Signature]

Our Representative Ray Schwager Thank you

Mileage ✓ 65  
 Other -  
 TOTAL PRICE \$ ✓ 815



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Well name#:	Cox #1	Date:	11/20/2001
Location#:	3 21s 22w	Ticket #:	15658
		DST#	2

General Informaion:

Formation:	Winfield	Test Type:	Conventional	BHT:	88
Interval:	2287-2340	Tester:	Ray Schwager	OIL API:	
Total Depth:	2340	Elevation:	2180 ft(KB)	H2O Salinity:	98000
Hole Diameter:	7 7/8"		2173 ft(CF)		
Start Date:	11/20/2001	Tool Weight:	2200	Mud Type:	Chemical
Start Time:	7:15:00	Weight Set on Packers:	25000	Mud Weight:	9.9
Time tool opened:	10:15:00	Weight to Pull Loose:	80000	Viscosity:	39
Time Off Btm:	13:30:00	Initial String Weight:	60000	Water Loss:	16
End Date:	11/20/01	Final String Weight:	60000	Resistivity:	<u>.08 @ 67F</u>
End Time:	16:20:00	Drill Pipe Length:	1675	Salinity:	83000
		Drill Collar Length:	610		

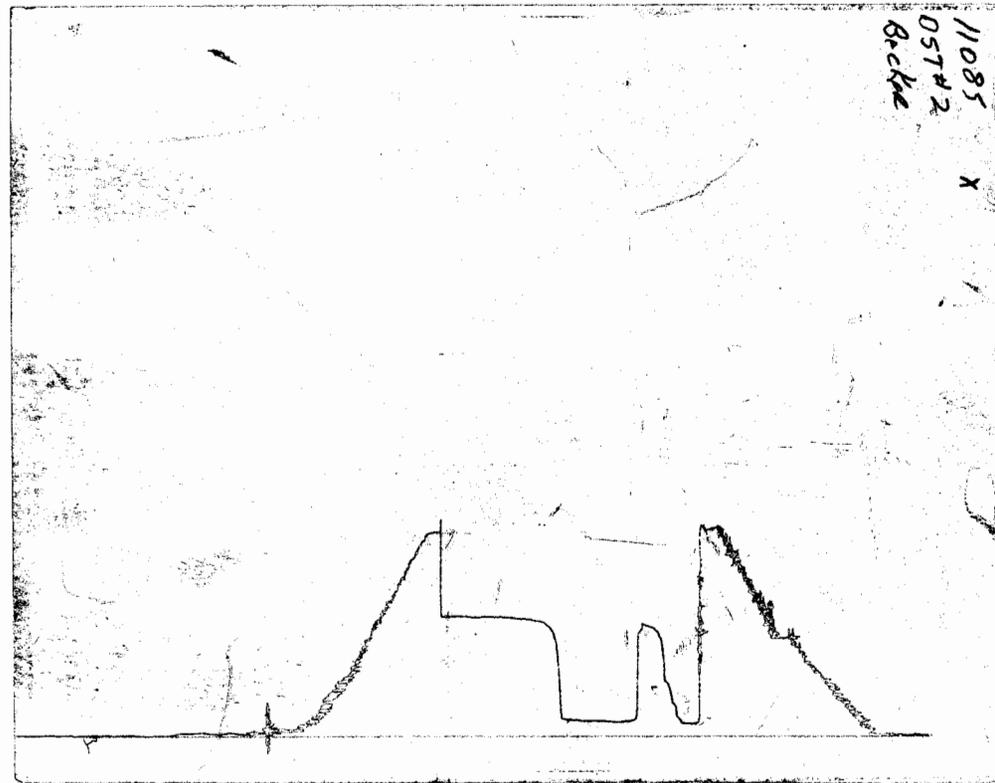
Test Comment:		
IFP - Fair to strong in 10 min.		
FFP - Strong blow GTS		
GTS 10 min. into initial shut-in		
Recovery Length(ft):	150ft	150ft DC
	Description:	
150	WM 20%water 80%mud	

### Gas Volume Report

Recorder #:	11085	Open	Min:	Ins. Of water	Orifice	CF/D
Pressure Summary:	Time:(min)			PSIG	size	
Initial Hydro-static:	1199		5	1#	1/8	5400
Open to Flow (1):	58	15	15	22	1/8	2480
Shut-in (1):	58		20	24	1/8	2590
End Shut-in (1):	645	30	30	26	1/8	2690
Open to Flow (2):	73	30	40	30	1/8	2890
Shut-in (2):	73		50	34	1/8	3080
End Shut-in (2):	680	60	60	36	1/8	3170
Final Hydro-static:	1155					

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15658

## Test Ticket

Well Name & No. Cox #1 Test No. 2 Date 11-20-01  
 Company Becker Oil Corporation Zone Tested Winfield  
 Address 122 E. Grand, suite 212 Ponca City, OK 74601 Elevation 2180 KB 2173 GL  
 Co. Rep / Geo. Jerrey Smith Cont. Cheyenne 1911 Est. Ft. of Pay - Por. - %  
 Location: Sec. 3 Twp. 21<sup>s</sup> Rge. 22<sup>w</sup> Co. Hodgeman State Ks  
 No. of Copies Req Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2287-2340 Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 60000  
 Anchor Length 53 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 80000  
 Top Packer Depth 2282 Tool Weight 2200  
 Bottom Packer Depth 2287 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 2340 Wt. Pipe Run - Drill Collar Run 610  
 Mud Wt. 9.9 LCM 2<sup>#</sup> Vis. 39 WL 16 Drill Pipe Size 4 1/2 XH Ft. Run 1675  
 Blow Description IFP - Fair to Strong in 10 min  
FFP - Strong Blow GTS  
GTS 10min into initial shut-in

Recovery — Total Feet 150 GIP - Ft. in DC 150 Ft. in DP -  
 Rec. 150 Feet Of W/M %gas %oil 20 %water 80 %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 88 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .08 @ 67 °F Chlorides 98000 ppm Recovery Chlorides 83000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1171</u>		PSI Recorder No. <u>11085</u>	T-On Location <u>0630</u>
(B) First Initial Flow Pressure	<u>66</u>		PSI (depth) <u>2297</u>	T-Started <u>0715</u>
(C) First Final Flow Pressure	<u>66</u>		PSI Recorder No. <u>13547</u>	T-Open <u>1015</u> <sup>9:30</sup>
(D) Initial Shut-In Pressure	<u>658</u>		PSI (depth) <u>2300</u>	T-Pulled <u>1330</u>
(E) Second Initial Flow Pressure	<u>77</u>		PSI Recorder No. <u>-</u>	T-Out <u>1600</u>
(F) Second Final Flow Pressure	<u>77</u>		PSI (depth) <u>-</u>	T-Off Location <u>1620</u>
(G) Final Shut-in Pressure	<u>691</u>		PSI Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/> <u>700</u>
(Q) Final Hydrostatic Mud	<u>1169</u>		PSI Initial Shut-in <u>30</u>	Jars _____
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in <u>90</u>	Straddle _____
				Circ. Sub _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. _____
				Mileage <input checked="" type="checkbox"/> <u>65</u>
				Other <u>hrs 30</u>
				TOTAL PRICE \$ <input checked="" type="checkbox"/> <u>845</u>

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Approved By [Signature]  
 Our Representative Ray Schwager Thank you





# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Well name#:	Cox #1	Date:	11/21/2001
Location#:	3 21s 22w	Ticket #:	15659
		DST#	3

**General Informaion:**

Formation:	Towanda	Test Type:	Conventional	BHT:	86
Interval:	2361-2405	Tester:	Ray Schwager	OIL API:	
Total Depth:	2405	Elevation:	2180 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2173 ft(CF)		
Start Date:	11/21/2001	Tool Weight:	2200	Mud Type:	Chemical
Start Time:	1:45:00	Weight Set on Packers:	25000	Mud Weight:	10
Time tool opened:	5:10:00	Weight to Pull Loose:	80000	Viscosity:	36
Time Off Btm:	7:15:00	Initial String Weight:	60000	Water Loss:	12.8
End Date:	11/21/01	Final String Weight:	60000	Resistivity:	
End Time:	11:00:00	Drill Pipe Length:	1740	Salinity:	64000
		Drill Collar Length:	610		

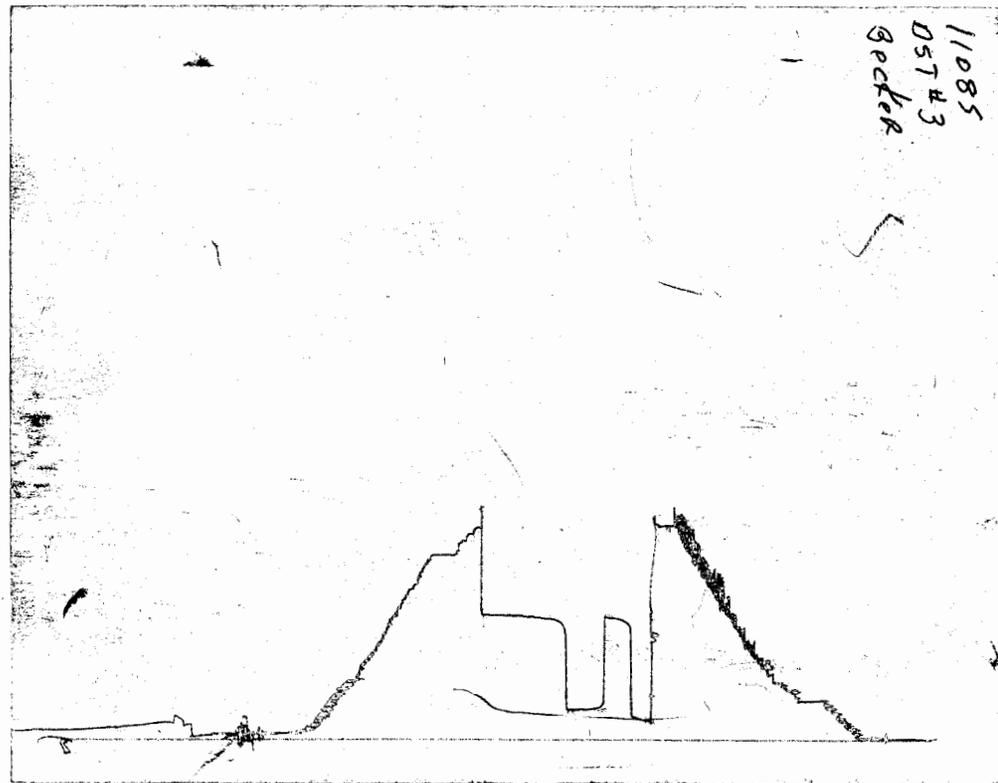
<b>Test Comment:</b>		
IFP - Strong blow GTS in 4 min.		
FFP - GTS		
Recovery	140ft	140ft DC
Length(ft):	Description:	
140	SGCM 4%gas 96%mud	

**Gas Volume Report**

Recorder #:	11085	Open	Min:	Ins. Of water	Orifice	CF/D
Pressure Summary:	Time:(min)			PSIG	size	
Initial Hydro-static:	1228		10	28#	1/2	224,100
Open to Flow (1):	99	15	15	36#	1/2	286,300
Shut-in (1):	125		5	35#	3/4	719,400
End Shut-in (1):	697	20	10	35#	3/4	719,400
Open to Flow (2):	167	30	15	35#	3/4	719,400
Shut-in (2):	160		20	35#	3/4	719,400
End Shut-in (2):	709	60	25	36#	3/4	733,900
Final Hydro-static:	1093		30	37#	3/4	748,400

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15659

## Test Ticket

Well Name & No. Cox #1 Test No. 3 Date 11-21-01  
 Company Becker Oil Corporation Zone Tested TOWANDA  
 Address 122 E. Grand, suite 212 Ponca City, OK 74601 Elevation 2180 KB 2123 GL  
 Co. Rep / Geo. Jeery Smith Cont. Cheylene rig 11 Est. Ft. of Pay - Por. - %  
 Location: Sec. 3 Twp. 21<sup>s</sup> Rge. 22<sup>w</sup> Co. Hodgeman State Ko  
 No. of Copies Req Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2361-2405 Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 60000  
 Anchor Length 44 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 80000  
 Top Packer Depth 2356 Tool Weight 2200  
 Bottom Packer Depth 2361 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 2405 Wt. Pipe Run - Drill Collar Run 610  
 Mud Wt. 10 LCM 2<sup>#</sup> Vis. 36 WL 12.8 Drill Pipe Size 4 1/2 XH Ft. Run 1740  
 Blow Description IFP - Strong Blow GTS in 4 min  
FFP - GTS

Recovery — Total Feet 140 GIP - Ft. in DC 140 Ft. in DP -  
 Rec. 140 Feet Of 56 CM 4 %gas %oil %water 96 %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 86 °F Gravity - °API D@ - °F Corrected Gravity - °API  
 RW - @ - °F Chlorides - ppm Recovery Chlorides 64000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1234</u>		PSI Recorder No. <u>11085</u>	T-On Location <u>0100</u>
(B) First Initial Flow Pressure	<u>110</u>		PSI (depth) <u>2363</u>	T-Started <u>0145</u>
(C) First Final Flow Pressure	<u>143</u>		PSI Recorder No. <u>13547</u>	T-Open <u>0510</u>
(D) Initial Shut-In Pressure	<u>734</u>		PSI (depth) <u>2366</u>	T-Pulled <u>0715</u>
(E) Second Initial Flow Pressure	<u>187</u>		PSI Recorder No. <u>-</u>	T-Out <u>1040</u>
(F) Second Final Flow Pressure	<u>176</u>		PSI (depth) <u>-</u>	T-Off Location <u>1100</u>
(G) Final Shut-in Pressure	<u>734</u>		PSI Initial Opening <u>15</u>	Test <u>700</u>
(Q) Final Hydrostatic Mud	<u>1223</u>		PSI Initial Shut-in <u>20</u>	Jars _____
			Final Flow <u>30</u>	Safety Joint <u>50</u>
			Final Shut-in <u>60</u>	Straddle _____

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Approved By [Signature]

Our Representative Ray Schwager Thank you

Mileage 65  
 Other 1 hr 30  
 TOTAL PRICE \$ 845

