

15-055-21672

1-23s-31w

TRILOBITE TESTING L.L.C.

OPERATOR : Hess Oil Co.

DATE 4-2-00

WELL NAME: Trekell 2-1

KB 0.00 ft

TICKET NO: 12474 DST #1

LOCATION : 1-23s-31w Finney co KS

GR 0.00 ft

FORMATION: Morrow

INTERVAL : 4744.00 To 4780.00 ft

TD 4780.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 0754 to 0824 hr
SI 45 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 0824 to 0909 hr
SF 30 Clock(hrs)	12hr	12hr	elect			SF Fr. 0909 to 0939 hr
FS 45 Depth(ft)	4780.0	4780.0	4751.0	0.0	0.0	FS Fr. 0939 to 1024 hr

	Field	1	2	3	4	
A. Init Hydro	2318.0	2412.0	2267.0	0.0	0.0	T STARTED 0430 hr
B. First Flow	140.0	146.0	61.0	0.0	0.0	T ON BOTM 0753 hr
B1. Final Flow	205.0	219.0	344.0	0.0	0.0	T OPEN 0754 hr
C. In Shut-in	0.0	0.0	937.0	0.0	0.0	T PULLED 1024 hr
D. Init Flow	0.0	0.0	353.0	0.0	0.0	T OUT 1300 hr
E. Final Flow	0.0	0.0	426.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	815.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2260.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 588.00 ft
						D.P. Length 4141.00 ft

RECOVERY

Tot Fluid 970.00 ft of 588.00 ft in DC and 3820.00 ft in DP
 120.00 ft of Muddy Water
 0.00 ft of 60% water 40% mud
 600.00 ft of Gas cut muddy water
 0.00 ft of 10% gas 60% water 30% mud
 250.00 ft of Gas cut water
 0.00 ft of 10% gas 90% water
 0.00 ft of
 0.00 ft of

SALINITY 42000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong blow. Bottom of bucket in 10
minutes.

Initial Shut-In:

No blow back.

No blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	43.00 S/L
W.L.	9.10 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Jamie Hess
Contr.	Cheyenne
Rig #	1
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Trekell 2-1

LOCATION : 1-23s-31w Finney co KS

TICKET No. 12474 D.S.T. No. 1 DATE 4-2-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 25

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 36

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands10 Single Total 588

D.P. ABOVE TOOLS.Stands67 Single Total 4141

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4790

TOTAL DEPTH 4780

TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:

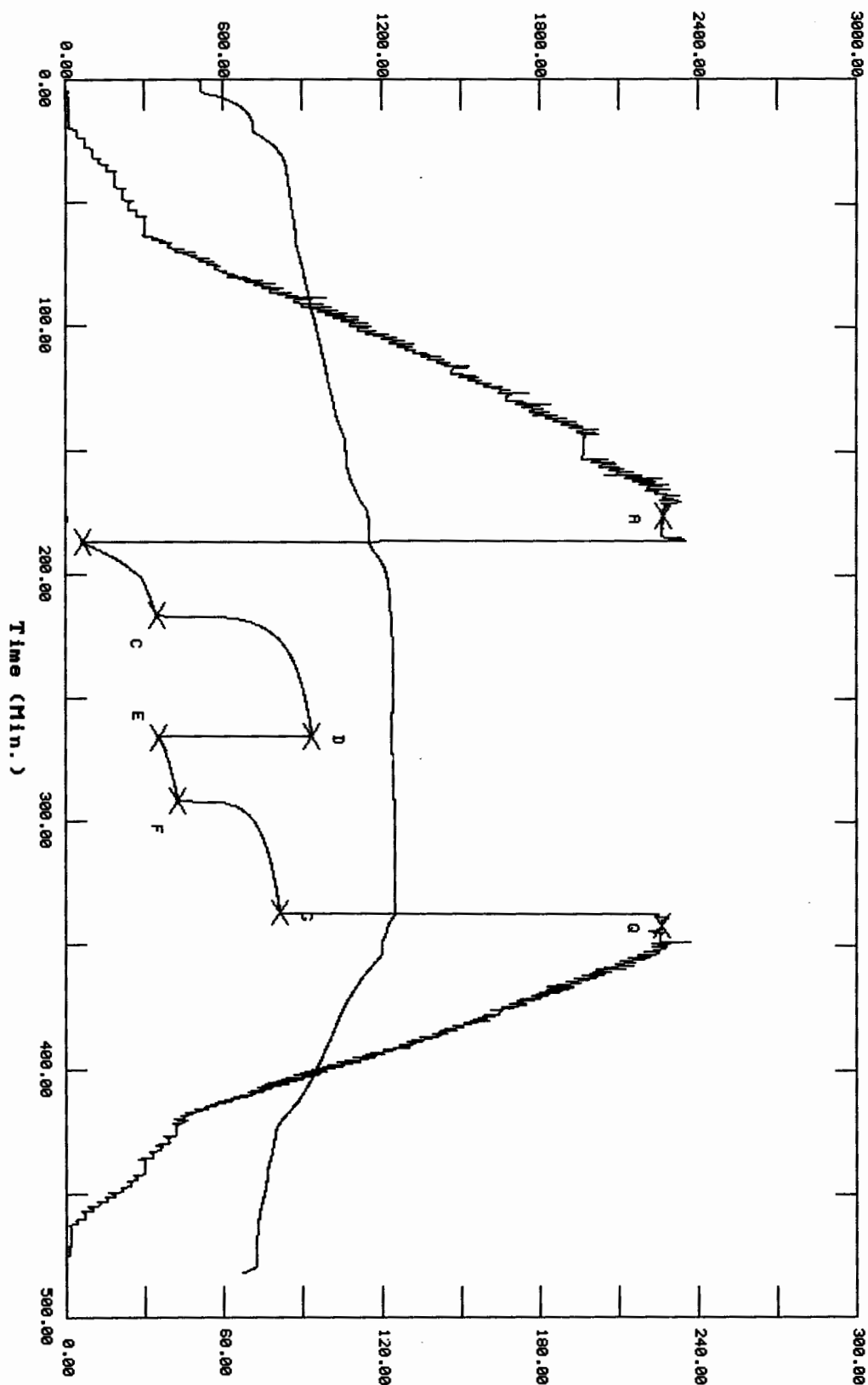
RW .22 at 69 deg.

42000 chlorides

P.O. SUB top of tool	4719
C.O. SUB 1'	4720
S.I. TOOL 5'	4725
HMV 5'	4730
JARS 5'	4735
SAFETY JOINT	
PACKER 5'	4740
PACKER 5'	4744
DEPTH 4744	
1'	4745
ANCHOR	
1' perf	4746
Alpine Rec.	4751
5' PU sub	4751
24' perf	4775
Ak1 Rec.	4780
BULLNOSE	
T.D. 5'	4780

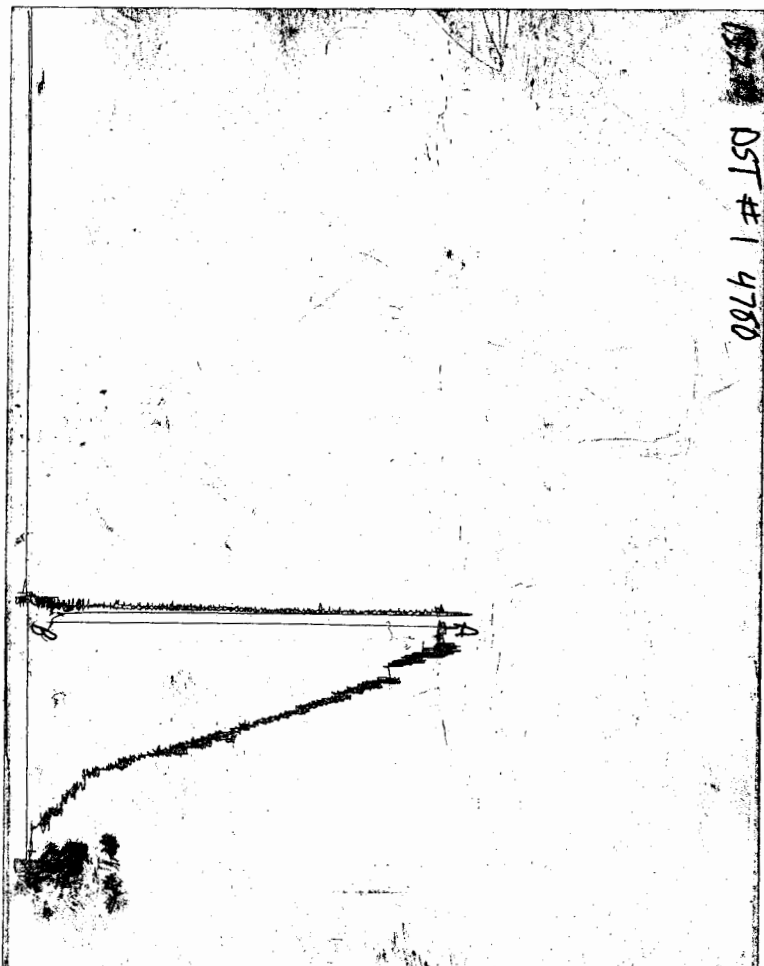
TEST HISTORY

12474 DST#1 Trekeil 2-1 Hess Oil Co.



	t(Min.)	P(PSig)	Flag Points
A:	0.00	2267.71	
B:	0.00	61.23	
C:	29.75	344.31	
D:	48.75	937.18	
E:	0.00	353.40	
F:	25.75	426.92	
G:	45.25	815.77	
Q:	0.00	2260.98	

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12474

Well Name & No.	Trekell 2-1	Test No.	#1	Date	4-2-00
Company	Hess Oil Co.	Zone Tested	Marrow		
Address	2080 E Ks. McPherson Ks. 67460	Elevation		KB	GL
Co. Rep / Geo.	Jamie Hess	Cont.	Cheyenne Rig 1	Est. Ft. of Pay	Por. %
Location: Sec.	1	Twp.	23S	Rge.	31W Co. Finney State Ks.
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	4744 - 4780	Initial Str Wt/Lbs.	24,000	Unseated Str Wt/Lbs.	26,000
Anchor Length	36'	Wt. Set Lbs.	26,000	Wt. Pulled Loose/Lbs.	88,000
Top Packer Depth	4739	Tool Weight	1800		
Bottom Packer Depth	4744	Hole Size — 7 7/8"	✓	Rubber Size — 6 3/4"	✓
Total Depth	4780	Wt. Pipe Run		Drill Collar Run	588 10
Mud Wt.	9.2 LCM 1 Vis. 43 WL 9.6	Drill Pipe Size	4 1/2 XH	Ft. Run	4171 67
Blow Description	Strong blow B.O.B. in 10 min. No blow back 2nd open Fair blow built to B.O.B. in 22 min. No blow back				

Recovery — Total Feet	970	GIP	30'	Ft. in DC	588	Ft. in DP	382
Rec.	120	Feet Of	muddy water	%gas	%oil	60%water	40%mud
Rec.	600	Feet Of	Gas Cut muddy water	10 %gas	%oil	60%water	30%mud
Rec.	250	Feet Of	Gas Cut water	10 %gas	%oil	90%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT		°F Gravity		°API D@		°F Corrected Gravity	°API
RW	.22 @ 69	°F Chlorides	42,000	ppm Recovery		Chlorides	2500 ppm System

(A) Initial Hydrostatic Mud	2318 AK-1 2270	Alpine	2267	PSI Recorder No.	3026	T-On Location	2:00 A.M.
(B) First Initial Flow Pressure	140 130		61	PSI (depth)	4751	T-Started	4:40 A.M. 2:40
(C) First Final Flow Pressure	205		344	PSI Recorder No.	13277	T-Open	7:54 A.M.
(D) Initial Shut-In Pressure	Clock		937	PSI (depth)	4780	T-Pulled	10:24 A.M. 2:00
(E) Second Initial Flow Pressure	Stopped		353	PSI Recorder No.		T-Out	1:00 P.M.
(F) Second Final Flow Pressure			424	PSI (depth)		T-Off Location	2:00 P.M.
(G) Final Shut-in Pressure			815	PSI Initial Opening	30	Test	✓ 700 °°
(Q) Final Hydrostatic Mud			2260	PSI Initial Shut-in	45	Jars	✓ 200 °°

Final Flow	30	Safety Joint	
Final Shut-in	45	Straddle	

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Approved By Jamie C. Hess
Our Representative Scott Bynbee

Circ. Sub ✓ N/C
Sampler
Extra Packer
Elec. Rec. ✓ 150.00
Mileage
Other ext 1 hr 30
TOTAL PRICE \$ 400.00
1080

TRILOBITE TESTING L.L.C.

OPERATOR : Hess Oil Co.

DATE 4-2-00

WELL NAME: Trekell 2-1

KB 0.00 ft

TICKET NO: 12475 DST #2

LOCATION : 1-23s-31w Finney co KS

GR 0.00 ft

FORMATION: Mississippi

INTERVAL : 4778.00 To 4800.00 ft

TD 4800.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.						PF Fr. mis to run hr
SI 0 Range(Psi)	0.0	0.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)						SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside						Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 588.00 ft
						D.P. Length 4202.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Misrun No packer seat.

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	56.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

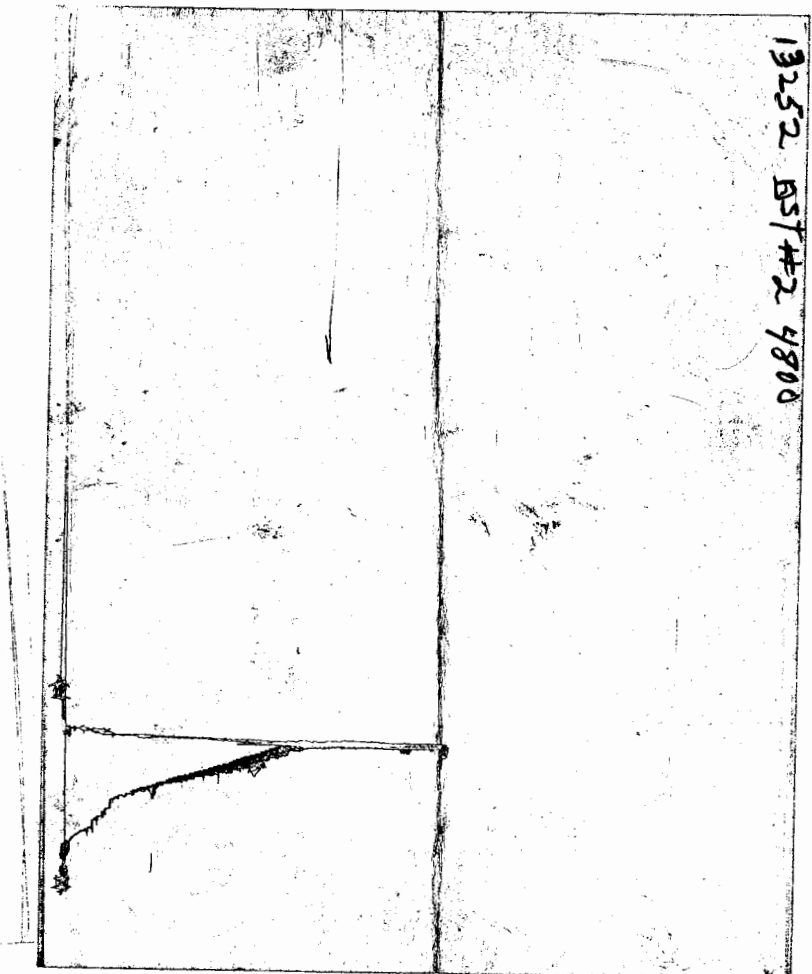
SAMPLES:

SENT TO:

Tester	Scott Bugee
Co. Rep.	Jamie Hess
Contr.	Cheyenne
Rig #	1
Unit #	
Pump T.	

Test Successful: N

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 12475

Well Name & No.	<u>Trekell 2-1</u>	Test No.	<u># 2</u>	Date	<u>4-2-00</u>
Company	<u>Hess Oil Co.</u>	Zone Tested	<u>Mississippi</u>		
Address	<u>McPherson KS, 67460</u>	Elevation	_____	KB	_____
Co. Rep / Geo.	<u>Jamie Hess</u>	Cont.	<u>Cherokee Rig 1</u>	Est. Ft. of Pay	_____
Location: Sec.	<u>1</u>	Twp.	<u>23S</u>	Rge.	<u>31W</u>
		Co.	<u>Finney</u>	State	<u>KS</u>
No. of Copies	_____	Distribution Sheet (Y, N)	_____	Turnkey (Y, N)	_____
		Evaluation (Y, N)	_____		

Interval Tested	<u>4778-4800</u>	Initial Str Wt./Lbs.	_____	Unseated Str Wt./Lbs.	_____
Anchor Length	<u>22'</u>	Wt. Set Lbs.	_____	Wt. Pulled Loose/Lbs.	_____
Top Packer Depth	<u>4773</u>	Tool Weight	<u>1800</u>		
Bottom Packer Depth	<u>4778</u>	Hole Size — 7 7/8"	☒	Rubber Size — 6 3/4"	☒
Total Depth	<u>4800</u>	Wt. Pipe Run	_____	Drill Collar Run	<u>588' 10"</u>
Mud Wt.	<u>9.1</u>	LCM	<u>2</u>	Vis.	<u>56</u>
		WL	<u>8.8</u>	Drill Pipe Size	<u>4 1/2 XH</u>
Blow Description	<u>MISTUN NO Packer seat</u>				

Recovery — Total Feet	_____	GIP	_____	Ft. in DC	_____	Ft. in DP	_____
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	_____
Rec.	_____	Feet Of	_____	%gas	_____	%oil	_____
				%water	_____	%mud	_____

BHT	_____	°F Gravity	_____	°API D@	_____	°F Corrected Gravity	_____	°API	_____	
RW	_____	@	_____	°F	Chlorides	_____	ppm Recovery	_____	Chlorides	_____
							ppm System			

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	_____	PSI	Recorder No.	<u>13252</u>	T-On Location	<u>8:10 P.M.</u>	
(B) First Initial Flow Pressure	_____	PSI	(depth)	<u>4800</u>	T-Started	<u>9:15 P.M.</u>	
(C) First Final Flow Pressure	_____	PSI	Recorder No.	<u>3026</u>	T-Open	_____	
(D) Initial Shut-In Pressure	_____	PSI	(depth)	<u>4785</u>	T-Pulled	_____	
(E) Second Initial Flow Pressure	_____	PSI	Recorder No.	_____	T-Out	_____	
(F) Second Final Flow Pressure	_____	PSI	(depth)	_____	T-Off Location	_____	
(G) Final Shut-in Pressure	_____	PSI	Initial Opening	_____	Test	<u>✓ 500 "</u>	
(Q) Final Hydrostatic Mud	_____	PSI	Initial Shut-in	_____	Jars	_____	

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Approved By _____
Our Representative Scott Bugbee

Final Flow	_____	Safety Joint	_____
Final Shut-in	_____	Straddle	_____
		Circ. Sub	<u>✓</u>
		Sampler	_____
		Extra Packer	_____
		Elec. Rec.	<u>✓ 150 "</u>
		Mileage	_____
		Other	_____
		TOTAL PRICE \$	<u>650</u>