WELL NAME:	Jones #2
COMPANY:	Castelli Exploration Inc
LOCATION:	16-18S-24W
	Ness County Kansas
DATE:	09/29/96

TRILOBITE TESTING L.L.C.

OPERATOR : Castelli Exploration Inc
WELL NAME: Jones #2
LOCATION : 16-18S-24W, Ness Cty KS
INTERVAL : 4260.00 To 4299.00 ft

DATE 9-29-96
KB 2291.00 ft
GR 2283.00 ft
TD 4299.00 ft

TICKET NO: 9524 DST #1
FORMATION: Cherokee Sd
TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	13754	13754	2341		
SI 30	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12	12	Alpin		
FS 60	Depth(ft)	4296.0	4296.0	4264.0	0.0	0.0

TIME DATA----------
PF Fr. 0358 to 0428 hr
IS Fr. 0428 to 0458 hr
SF Fr. 0458 to 0528 hr
FS Fr. 0528 to 0628 hr

	Field	1	2	3	4
A. Init Hydro	2157.0	2156.0	2131.0	0.0	0.0
B. First Flow	78.0	67.0	40.0	0.0	0.0
B1. Final Flow	98.0	102.0	99.0	0.0	0.0
C. In Shut-in	1236.0	1242.0	1248.0	0.0	0.0
D. Init Flow	127.0	126.0	103.0	0.0	0.0
E. Final Flow	157.0	157.0	158.0	0.0	0.0
F. Fl Shut-in	1236.0	1256.0	1262.0	0.0	0.0
G. Final Hydro	2087.0	2097.0	2088.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0214 hr
T ON BOTM 0355 hr
T OPEN 0358 hr
T PULLED 0628 hr
T OUT 0830 hr

RECOVERY
Tot Fluid 355.00 ft of 30.00 ft in DC and 325.00 ft in DP
496.00 ft of Gas in pipe
169.00 ft of Clean gassy oil - 10% gas, 90% oil
186.00 ft of Mud cut gassy oil - 10% gas, 80% oil, 10% mud

TOOL DATA----------

Tool Wt.	1500.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	45000.00 lbs
Initial Str Wt	44000.00 lbs
Unseated Str Wt	46000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	4212.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 36.00

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	43.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	N

BLOW DESCRIPTION
Initial Flow -
Weak, building to bottom of bucket in 20 minutes

Final Flow -
Weak, building to bottom of bucket in 22 minutes

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	Dan Bangle
Co. Rep.	Tom Castelli
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

SAMPLES:
SENT TO:

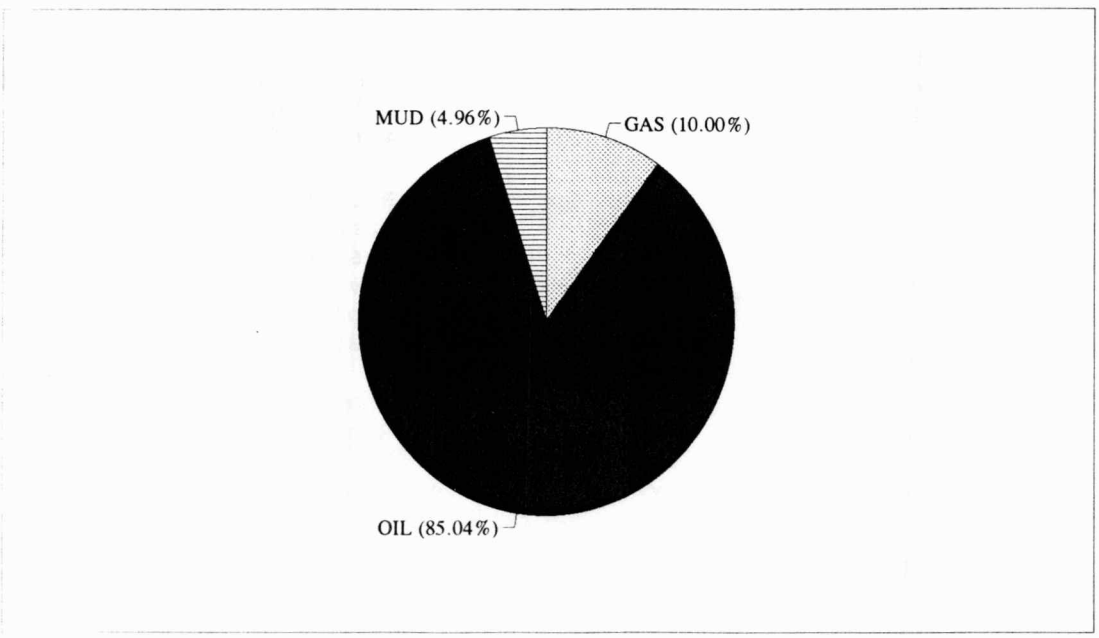
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 1 TICKE 9524

SAMPLE #		TOTAL FEET		GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	169	10	90	16.9	90	152.1		0		0
PIPE	2	156	10	80	15.6	80	124.8		0	10	15.6
	3				0		0		0		0
	4				0		0		0		0
	5				0		0		0		0
	6				0		0		0		0
WEIGHT	1				0		0		0		0
PIPE	2				0		0		0		0
	3				0		0		0		0
	4				0		0		0		0
DRILL	1	30	10	80	3	80	24		0	10	3
COLLAR	2				0		0		0		0
	3				0		0		0		0
	4				0		0		0		0
	5				0		0		0		0
TOTAL		355			35.5		300.9		0		18.6

			HRS OPEN		BBL/DAY
BBL OIL=	4.05488	*	1	=	97.3171
BBL WATER	0	*		=	0
BBL MUD=	0.2365				
BBL GAS =	0.47682				



TEST HISTORY

Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2131.29
B:	0.00	39.88
C:	29.00	99.14
D:	30.00	1248.12
E:	0.00	102.96
F:	29.00	157.78
G:	60.00	1261.94
Q:	0.00	2087.98

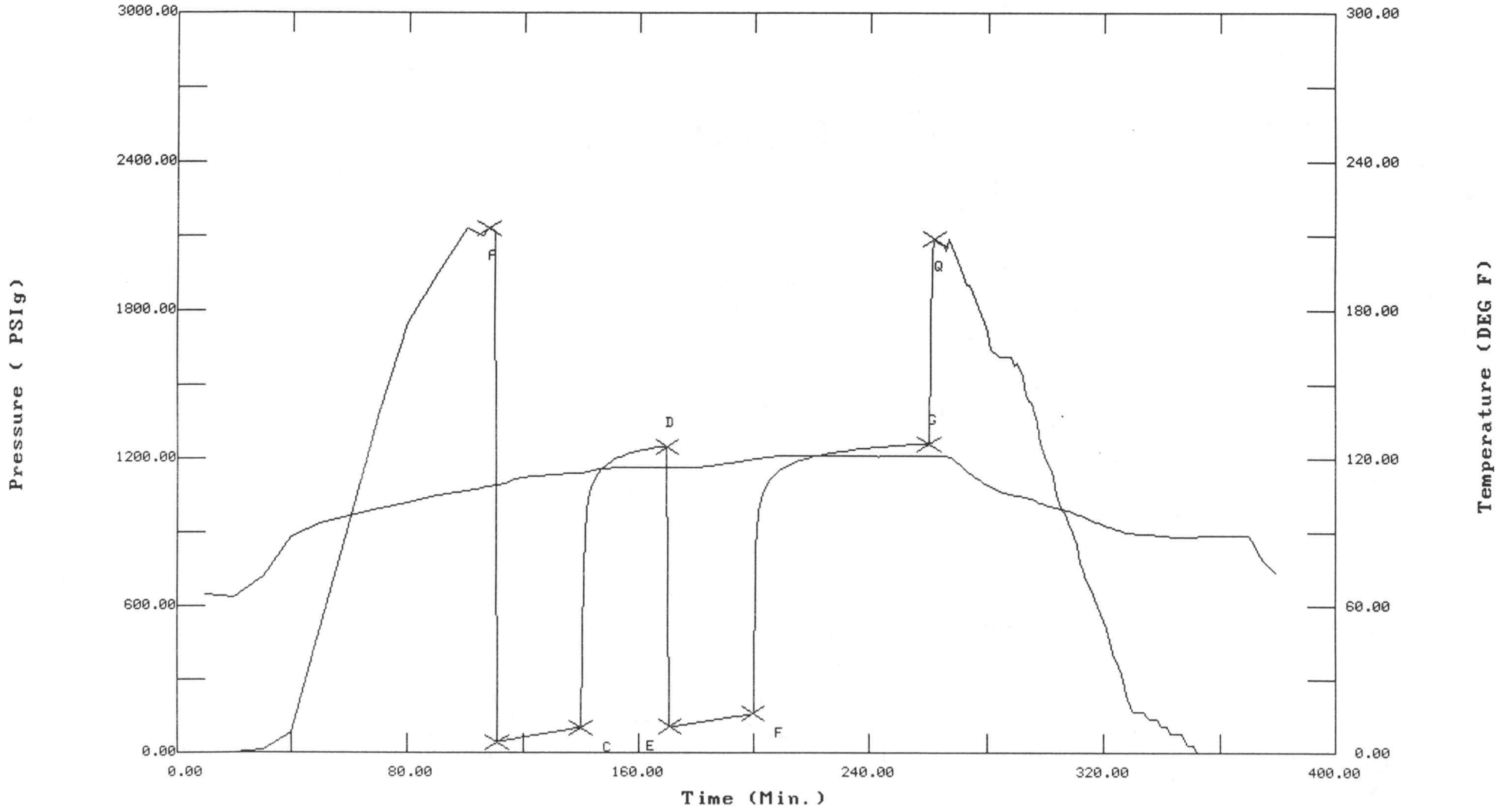
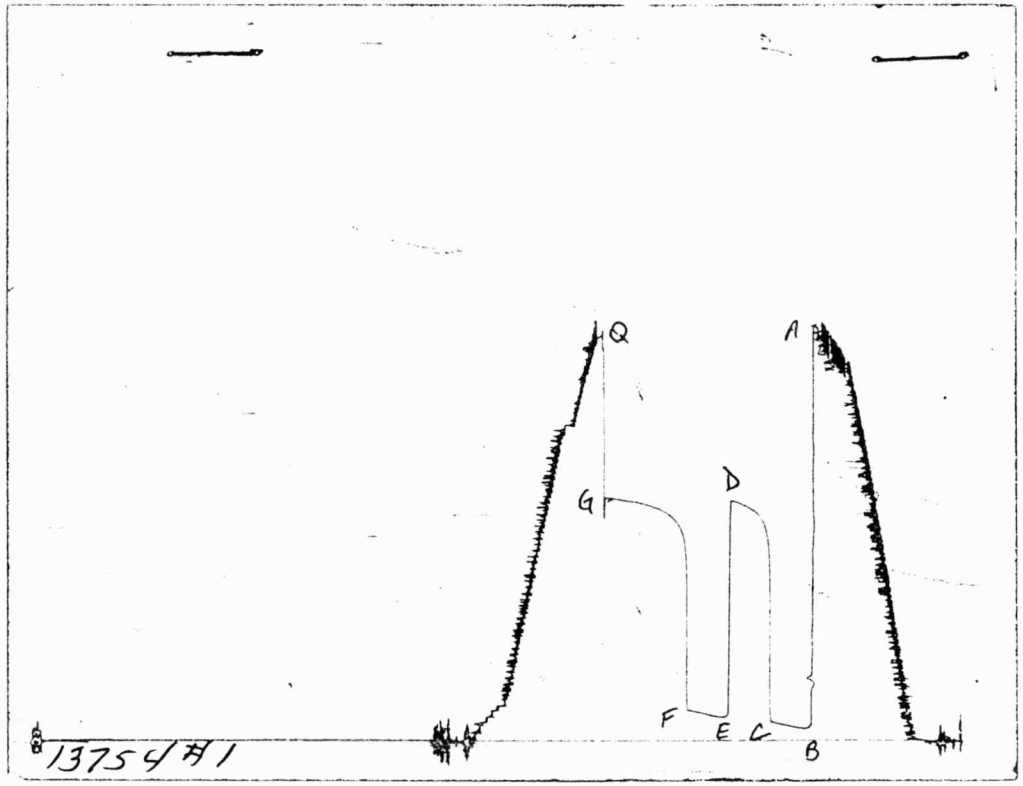


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

DATE: 09/29/96 TIME: 02:16:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	108.00	2131.3	0.0	108.50		
****** Start Flow 1	0.00	39.9	0.0	109.06		
	1.00	42.8	2.9	109.16		
	2.00	44.4	4.6	109.43		
	3.00	46.7	6.8	109.89		
	4.00	49.3	9.4	110.42		
	5.00	52.1	12.2	110.89		
	6.00	54.4	14.5	111.29		
	7.00	56.7	16.8	111.62		
	8.00	59.0	19.1	111.89		
	9.00	61.3	21.4	112.11		
	10.00	63.8	23.9	112.28		
	11.00	66.1	26.2	112.42		
	12.00	68.1	28.3	112.52		
	13.00	70.4	30.5	112.63		
	14.00	72.3	32.4	112.73		
	15.00	74.5	34.6	112.83		
	16.00	77.1	37.2	112.93		
	17.00	76.8	37.0	113.02		
	18.00	78.8	38.9	113.11		
	19.00	81.0	41.1	113.24		
	20.00	83.0	43.1	113.40		
	21.00	85.0	45.2	113.50		
	22.00	87.4	47.5	113.60		
	23.00	89.5	49.6	113.67		
	24.00	91.6	51.8	113.73		
	25.00	93.7	53.8	113.78		
	26.00	95.7	55.8	113.83		
	27.00	97.9	58.1	113.86		
	28.00	99.8	60.0	113.92		
****** End Flow 1	29.00	99.1	59.3	114.01		
****** Start Shutin 1	0.00	99.1	0.0	114.01	0.0000	0.01
	1.00	760.0	660.9	114.15	30.0000	0.578
	2.00	993.2	894.1	114.37	15.5000	0.986
	3.00	1059.5	960.4	114.72	10.6667	1.123
	4.00	1096.7	997.6	115.00	8.2500	1.203
	5.00	1121.5	1022.4	115.25	6.8000	1.258
	6.00	1139.9	1040.8	115.46	5.8333	1.299
	7.00	1154.2	1055.1	115.61	5.1429	1.332
	8.00	1165.9	1066.8	115.75	4.6250	1.359
	9.00	1175.6	1076.5	115.88	4.2222	1.382
	10.00	1184.0	1084.8	115.99	3.9000	1.402
	11.00	1191.2	1092.1	116.07	3.6364	1.419
	12.00	1197.4	1098.3	116.13	3.4167	1.434
	13.00	1203.1	1104.0	116.21	3.2308	1.447
	14.00	1208.1	1108.9	116.24	3.0714	1.459
	15.00	1212.6	1113.4	116.28	2.9333	1.470
	16.00	1216.7	1117.5	116.32	2.8125	1.480
	17.00	1220.5	1121.4	116.34	2.7059	1.490
	18.00	1224.0	1124.8	116.35	2.6111	1.498
	19.00	1227.2	1128.1	116.35	2.5263	1.506

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

DATE: 09/29/96 TIME: 02:16:10

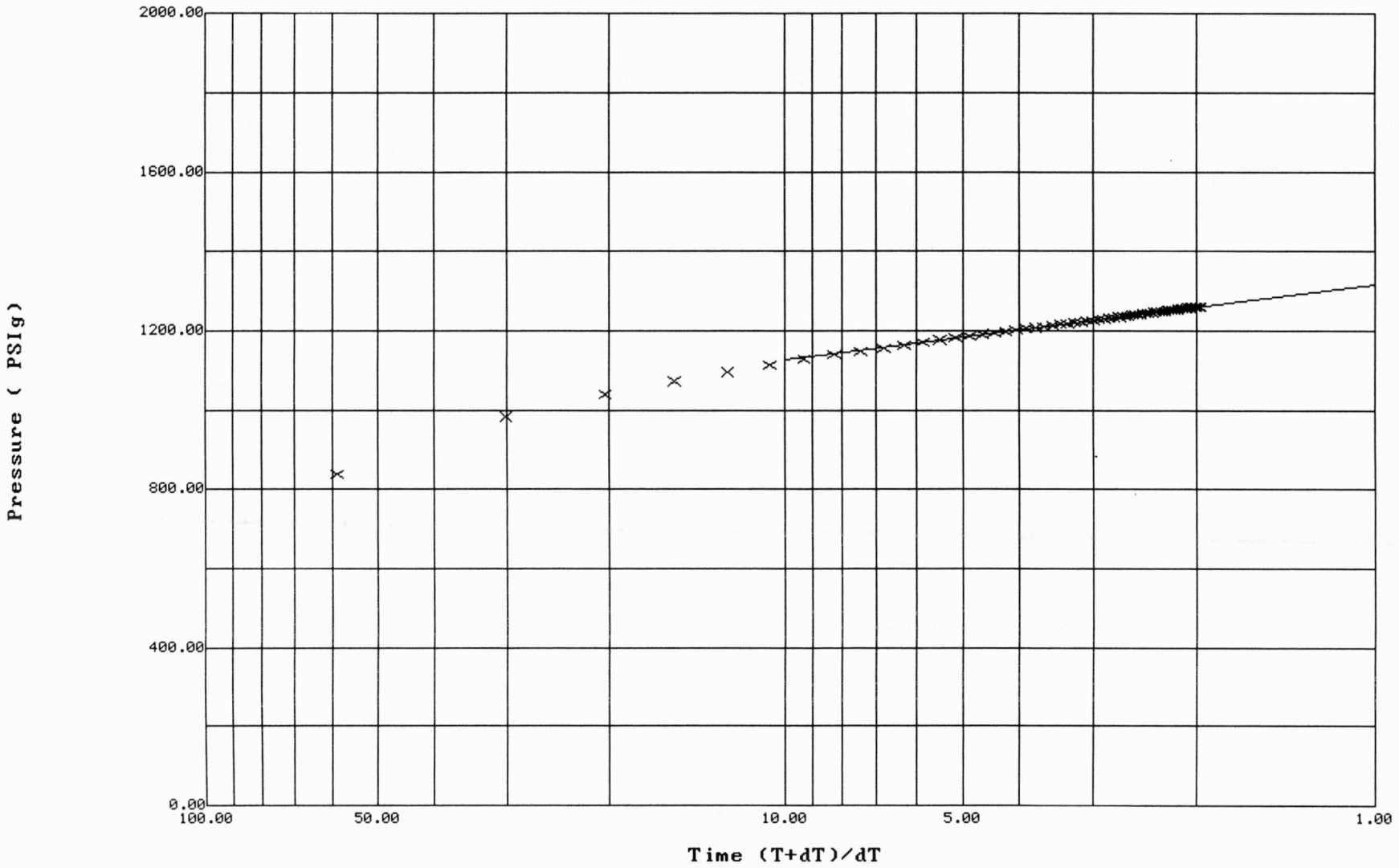
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	1230.1	1131.0	116.40	2.4500	1.513
	21.00	1232.9	1133.7	116.41	2.3810	1.520
	22.00	1235.4	1136.3	116.41	2.3182	1.526
	23.00	1237.8	1138.6	116.46	2.2609	1.532
	24.00	1240.1	1141.0	116.47	2.2083	1.538
	25.00	1242.3	1143.1	116.47	2.1600	1.543
	26.00	1244.3	1145.1	116.48	2.1154	1.548
	27.00	1246.1	1147.0	116.51	2.0741	1.553
	28.00	1247.9	1148.8	116.48	2.0357	1.557
	29.00	1249.6	1150.5	116.49	2.0000	1.562
****** End Shut-in 1	30.00	1248.1	1149.0	116.49	1.9667	1.558
****** Start Flow 2	0.00	103.0	0.0	116.42		
	1.00	103.5	0.6	116.39		
	2.00	105.3	2.3	116.34		
	3.00	107.3	4.4	116.32		
	4.00	109.4	6.4	116.28		
	5.00	111.2	8.3	116.30		
	6.00	113.4	10.5	116.34		
	7.00	115.8	12.8	116.36		
	8.00	118.0	15.1	116.39		
	9.00	120.1	17.1	116.45		
	10.00	122.1	19.1	116.53		
	11.00	124.0	21.1	116.53		
	12.00	126.0	23.0	116.70		
	13.00	128.2	25.3	116.81		
	14.00	130.1	27.1	116.96		
	15.00	132.0	29.1	117.12		
	16.00	133.8	30.9	117.28		
	17.00	135.7	32.7	117.46		
	18.00	137.6	34.7	117.63		
	19.00	139.7	36.7	117.85		
	20.00	141.6	38.6	118.05		
	21.00	143.4	40.5	118.23		
	22.00	145.3	42.3	118.37		
	23.00	147.0	44.1	118.54		
	24.00	148.8	45.9	118.72		
	25.00	150.6	47.7	118.92		
	26.00	152.4	49.5	119.11		
	27.00	154.3	51.4	119.30		
	28.00	156.2	53.2	119.48		
****** End Flow 2	29.00	157.8	54.8	119.62		
****** Start Shutin 2	0.00	157.8	0.0	119.62	0.0000	0.025
	1.00	837.4	679.7	119.77	59.0000	0.701
	2.00	983.7	825.9	119.94	30.0000	0.968
	3.00	1039.4	881.6	120.12	20.3333	1.080
	4.00	1072.7	914.9	120.41	15.5000	1.151
	5.00	1096.1	938.3	120.45	12.6000	1.201
	6.00	1113.6	955.8	120.59	10.6667	1.240
	7.00	1127.6	969.8	120.72	9.2857	1.271
	8.00	1139.1	981.4	120.83	8.2500	1.298
	9.00	1148.8	991.0	120.94	7.4444	1.320

Horner Plot: shut-in #2

Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

Slope: 190.8636 PSIg/cycle

Ext. Pressure: 1317.9664 PSIg



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

DATE: 09/29/96 TIME: 02:16:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Final Hydro.	262.00	2088.0	0.0	120.94		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

DATE: 09/29/96 TIME: 02:16:10

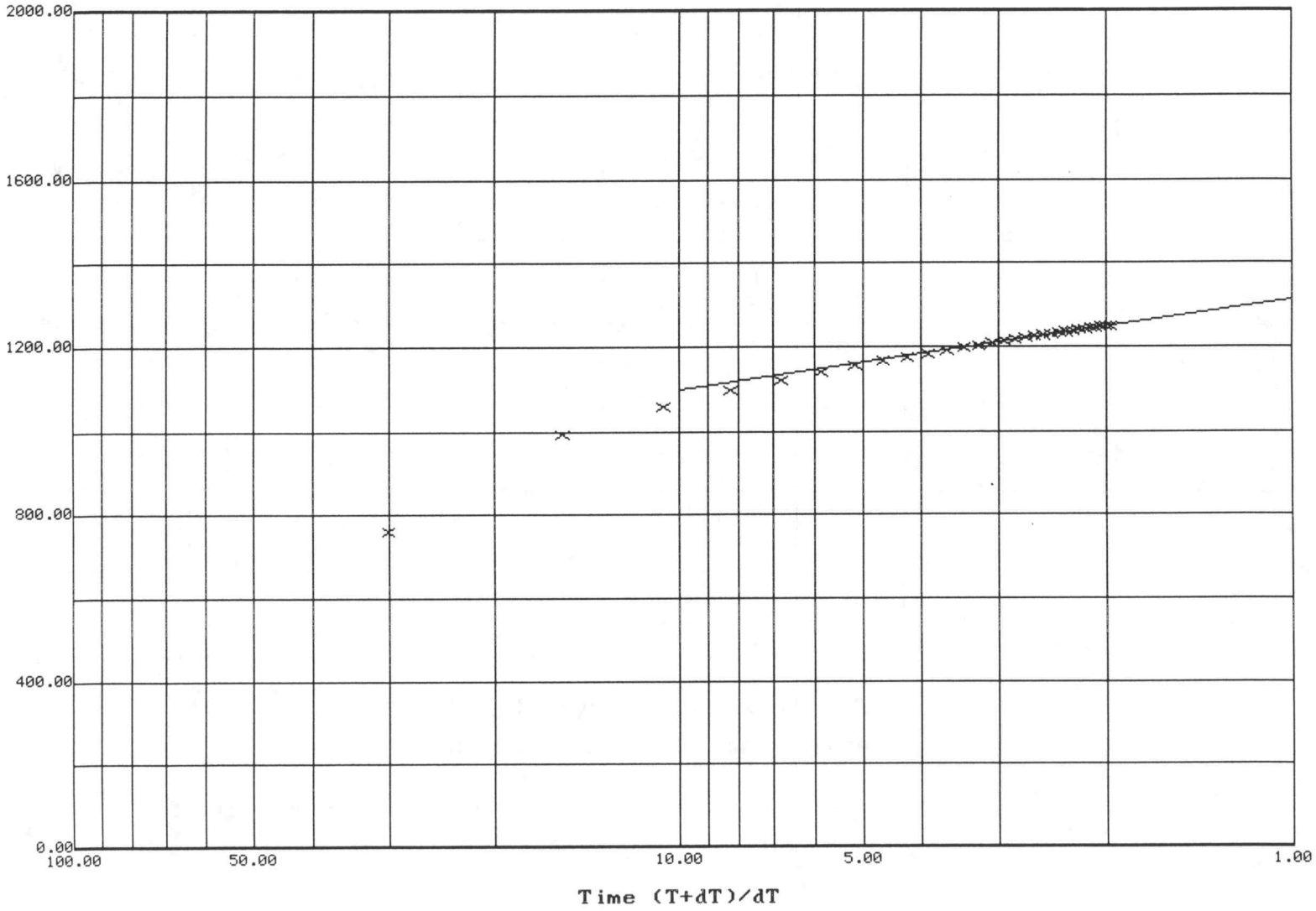
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	1157.2	999.5	121.01	6.8000	1.339
	11.00	1164.4	1006.7	121.06	6.2727	1.356
	12.00	1171.0	1013.2	121.12	5.8333	1.371
	13.00	1176.8	1019.0	121.16	5.4615	1.385
	14.00	1182.0	1024.3	121.19	5.1429	1.397
	15.00	1186.8	1029.0	121.23	4.8667	1.408
	16.00	1191.1	1033.3	121.23	4.6250	1.419
	17.00	1195.0	1037.2	121.27	4.4118	1.428
	18.00	1198.7	1041.0	121.26	4.2222	1.437
	19.00	1202.1	1044.3	121.28	4.0526	1.445
	20.00	1205.3	1047.5	121.29	3.9000	1.453
	21.00	1208.3	1050.5	121.29	3.7619	1.460
	22.00	1211.0	1053.3	121.28	3.6364	1.467
	23.00	1213.7	1056.0	121.29	3.5217	1.473
	24.00	1216.3	1058.5	121.27	3.4167	1.479
	25.00	1218.5	1060.7	121.25	3.3200	1.485
	26.00	1220.8	1063.1	121.26	3.2308	1.490
	27.00	1222.9	1065.2	121.25	3.1481	1.496
	28.00	1225.1	1067.3	121.23	3.0714	1.501
	29.00	1226.9	1069.2	121.21	3.0000	1.505
	30.00	1228.8	1071.0	121.20	2.9333	1.510
	31.00	1230.5	1072.7	121.19	2.8710	1.514
	32.00	1232.2	1074.4	121.17	2.8125	1.518
	33.00	1233.8	1076.1	121.16	2.7576	1.522
	34.00	1235.4	1077.6	121.14	2.7059	1.526
	35.00	1236.9	1079.1	121.12	2.6571	1.530
	36.00	1238.3	1080.5	121.10	2.6111	1.533
	37.00	1239.7	1082.0	121.10	2.5676	1.537
	38.00	1241.0	1083.3	121.08	2.5263	1.540
	39.00	1242.4	1084.6	121.07	2.4872	1.544
	40.00	1243.6	1085.8	121.06	2.4500	1.547
	41.00	1244.8	1087.1	121.11	2.4146	1.550
	42.00	1246.0	1088.3	121.03	2.3810	1.553
	43.00	1247.2	1089.4	120.79	2.3488	1.555
	44.00	1248.3	1090.5	120.98	2.3182	1.558
	45.00	1249.3	1091.5	120.98	2.2889	1.561
	46.00	1250.2	1092.4	120.98	2.2609	1.563
	47.00	1251.3	1093.5	120.97	2.2340	1.566
	48.00	1252.2	1094.4	120.95	2.2083	1.568
	49.00	1253.1	1095.3	120.95	2.1837	1.570
	50.00	1254.1	1096.3	120.93	2.1600	1.573
	51.00	1255.0	1097.2	120.93	2.1373	1.575
	52.00	1255.9	1098.1	120.91	2.1154	1.577
	53.00	1256.7	1098.9	120.91	2.0943	1.579
	54.00	1257.5	1099.7	120.90	2.0741	1.581
	55.00	1258.3	1100.5	120.87	2.0545	1.583
	56.00	1259.1	1101.3	120.86	2.0357	1.585
	57.00	1259.8	1102.0	120.86	2.0175	1.587
	58.00	1260.4	1102.7	120.86	2.0000	1.589
	59.00	1261.2	1103.5	120.85	1.9831	1.591
****** End Shut-in 2	60.00	1261.9	1104.2	120.84	1.9667	1.592

Horner Plot: shut-in #1

Tk#9524 DST#1 Jones#2 Castelli Explor. Inc.

Slope: 215.7362 PSIg/cycle

Ext. Pressure: 1314.0114 PSIg



*** TOOL DIAGRAM *** CONV

WELL NAME: Jones #2

LOCATION : 16-18S-24W, Ness Cty KS

TICKET No. 9524 D.S.T. No. 1 DATE 9-29-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 39

TOTAL TOOL 67

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 67

D.C. ABOVE TOOLS.Stands Single 1 Total 30

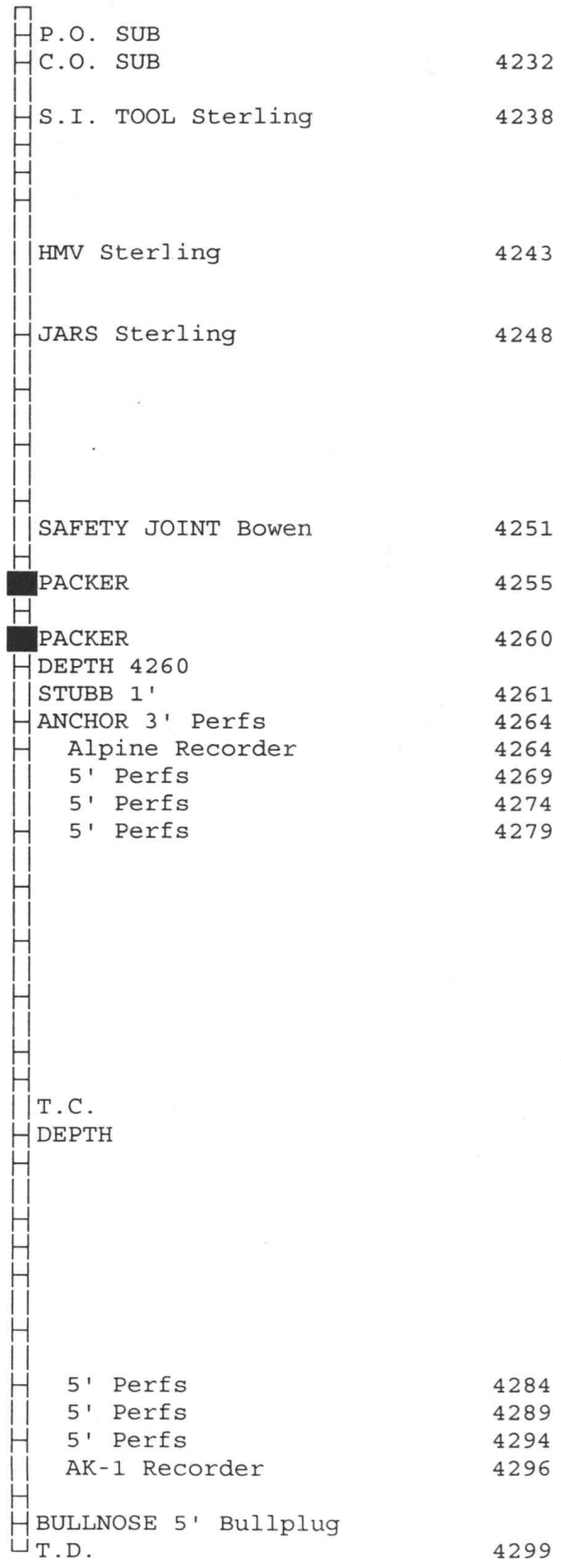
D.P. ABOVE TOOLS.Stands68 Single 1 Total 4212

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4309

TOTAL DEPTH 4299

TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 9524

Well Name & No. Jones #2 Test No. 1 Date 9-29-96

Company Castelli Exploration, Inc Zone Tested Cherokee Sd

Address 9500 Westgate Dr, Suite 101, Oklahoma City, Okla Elevation 2291 KB 2283 GL

Co. Rep / Geo. Tom Castelli Cont. Discovery 73162 #1 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 16 Twp. 18 Rge. 24 Co. Ness State Ks

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4260 - 4299 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 46,000

Anchor Length 39 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 4255 Tool Weight 1500

Bottom Packer Depth 4260 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 4299 Wt. Pipe Run ____ Drill Collar Run 30

Mud Wt. 9.1 LCM 1/8# Vis. 43 WL 8 Drill Pipe Size 4.5 XH Ft. Run 4202

Blow Description I.F. Weak- building to B.O.B. in 20 min.

F.F. Weak- building to B.O.B. in 22 min.

Recovery — Total Feet 325 GIP 496 Ft. in DC 30 Ft. in DP 325

Rec. 169 Feet Of CGsyO 10 %gas 90 %oil %water %mud

Rec. 186 Feet Of MCGsyO 10 %gas 80 %oil %water 10 %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

BHT 120 °F Gravity ____ °API D@ ____ °F Corrected Gravity 36 °API

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

(A) Initial Hydrostatic Mud	2157	2131	PSI	Recorder No. 2341	T-Started	02:14
(B) First Initial Flow Pressure	78	39	PSI	(depth) 4264	T-Open	03:58
(C) First Final Flow Pressure	98	99	PSI	Recorder No. 13754	T-Pulled	06:28
(D) Initial Shut-in Pressure	1236	1248	PSI	(depth) 4296	T-Out	08:30
(E) Second Initial Flow Pressure	127	102	PSI	Recorder No. ____		
(F) Second Final Flow Pressure	157	157	PSI	(depth) ____		
(G) Final Shut-in Pressure	1236	1261	PSI	Initial Opening 30	Test	600
(H) Final Hydrostatic Mud	2087	2087	PSI	Initial Shut-in 30	Jars X	200
	AK-1	Alpine		Final Flow 30	Safety Joint X	50
				Final Shut-in 60	Straddle	____
				68 Stds + 1	Circ. Sub	____
					Sampler	____
					Extra Packer	____
					Elect. Rec. X	150
					Other	____
					TOTAL PRICE $	1000

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Approved By ____

Our Representative Dan Bangle