

15-135-23970

35-16s-21w

**WELL NAME:** Zeller #1  
**COMPANY:** Kenneth S. White  
**LOCATION:** Sec. 35 Twp. 16s Rge. 21w  
Ness County Kansas  
**DATE:** 12-18-96



\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Zeller #1

LOCATION : 35-16s-21w Ness Ks

TICKET No. 9754 D.S.T. No. 1 DATE 12-16-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 19

TOTAL TOOL ..... 47

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 78

D.C. ABOVE TOOLS.Stands3 Single Total 180

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3847

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4105

TOTAL DEPTH ..... 4085

TOTAL DRILL PIPE ABOVE K.B. .... 20

REMARKS:

P.O. SUB	
C.O. SUB	4007
S.I. TOOL	4013
HMV	4018
JARS	4023
SAFETY JOINT	4026
PACKER	4030
PACKER	4035
DEPTH 4035	
STUBB 1'	4036
ANCHOR 5' Perfs	4041
5' Perfs	4046
1' co sub	4047
Alpine recorder	4047
Jt dp 31'	4078
T.C.	
DEPTH	
1' co sub	4079
1' Perfs	4080
BULLNOSE 5' bullplug	4085
T.D.	

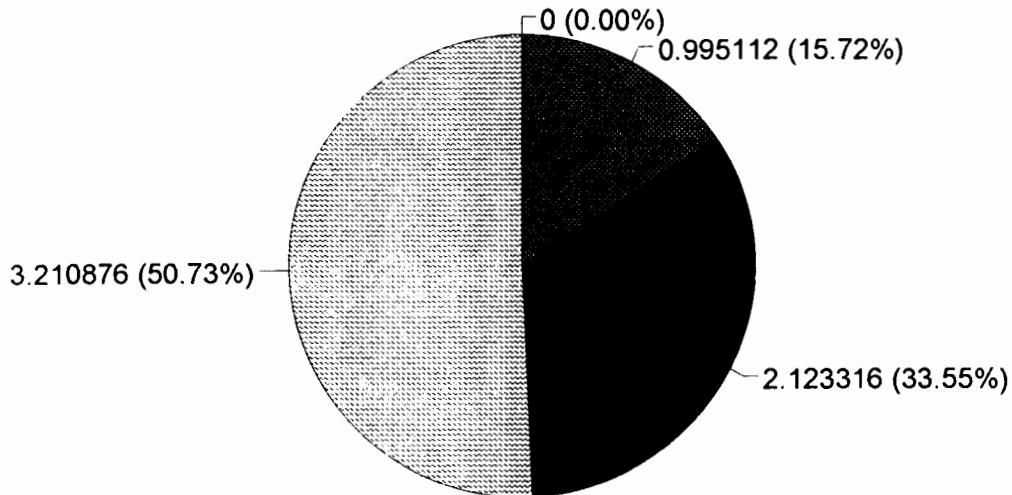
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 9754

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	124		0	5	6.2		0	95	117.8
PIPE 2	180	10	18	30	54		0	60	108
3	198	20	39.6	20	39.6		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	180	20	36	80	144		0		0
COLLARS 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	682		93.6		243.8		0		225.8

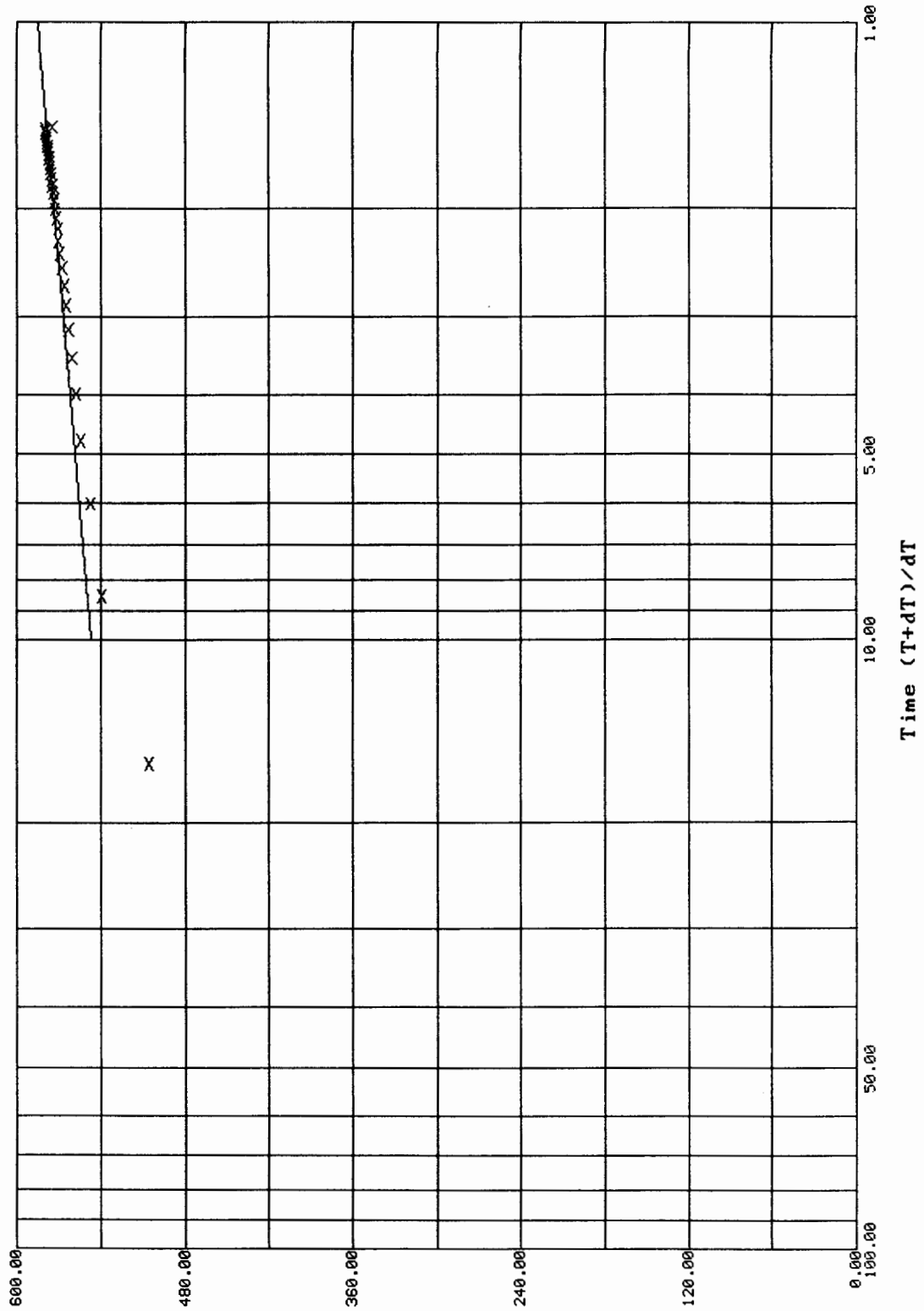
		HRS OPEN		BBL/DAY
BBL OIL =	2.123316	*	0.25	= 203.83834
BBL WATER =	0	*		= 0
BBL MUD =	3.210876			
BBL GAS =	0.995112			



# Horner Plot: shut-in #1

Tk #9754 DST#1 Zeller #1 Ken White

Slope: 38.5487 PSig/cycle  
Ext. Pressure: 585.6263 PSig



Pressure ( PSig )

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #9754 DST#1 Zeller #1 Ken White

DATE: 12/16/96

TIME: 22:21:06

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	163.00	2011.1	0.0	96.19		
***** Start Flow 1	0.00	145.9	0.0	97.21		
	1.00	199.1	53.1	96.87		
	2.00	206.4	60.4	96.70		
	3.00	202.4	56.5	96.80		
	4.00	212.4	66.5	97.39		
	5.00	221.4	75.5	99.10		
	6.00	232.2	86.3	101.61		
	7.00	243.5	97.5	104.28		
	8.00	257.4	111.5	106.72		
	9.00	280.4	134.5	108.84		
	10.00	289.0	143.1	110.65		
	11.00	297.3	151.4	112.22		
	12.00	304.1	158.1	113.64		
	13.00	312.4	166.4	114.95		
	14.00	320.6	174.7	116.17		
***** End Flow 1	15.00	329.0	183.0	117.29		
***** Start Shutin 1	0.00	329.0	0.0	117.29	0.0000	0.108
	1.00	505.6	176.6	118.28	16.0000	0.256
	2.00	539.4	210.4	119.12	8.5000	0.291
	3.00	547.9	218.9	119.74	6.0000	0.300
	4.00	554.3	225.3	120.17	4.7500	0.307
	5.00	558.3	229.3	120.43	4.0000	0.312
	6.00	561.0	232.1	120.61	3.5000	0.315
	7.00	563.3	234.3	120.67	3.1429	0.317
	8.00	565.1	236.1	120.69	2.8750	0.319
	9.00	566.7	237.7	120.68	2.6667	0.321
	10.00	568.1	239.1	120.68	2.5000	0.323
	11.00	569.4	240.4	120.68	2.3636	0.324
	12.00	570.4	241.5	120.67	2.2500	0.325
	13.00	571.4	242.4	120.65	2.1538	0.326
	14.00	572.3	243.3	120.57	2.0714	0.328
	15.00	573.1	244.1	120.51	2.0000	0.328
	16.00	573.7	244.7	120.46	1.9375	0.329
	17.00	574.4	245.4	120.40	1.8824	0.330
	18.00	575.0	246.0	120.36	1.8333	0.331
	19.00	575.5	246.5	120.32	1.7895	0.331
	20.00	576.1	247.1	120.29	1.7500	0.332
	21.00	576.5	247.5	120.25	1.7143	0.332
	22.00	577.0	248.0	120.21	1.6818	0.333
	23.00	577.3	248.3	120.18	1.6522	0.333
	24.00	577.8	248.8	120.14	1.6250	0.334
	25.00	578.2	249.2	120.10	1.6000	0.334
	26.00	578.5	249.5	120.05	1.5769	0.335
	27.00	578.8	249.9	120.01	1.5556	0.335
	28.00	579.1	250.1	119.96	1.5357	0.335
	29.00	579.4	250.4	119.90	1.5172	0.336
	30.00	579.8	250.8	119.85	1.5000	0.336
	31.00	580.0	251.0	119.81	1.4839	0.336
***** End Shut-in 1	32.00	575.1	246.1	119.75	1.4688	0.331

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #9754 DST#1 Zeller #1 Ken White

DATE: 12/16/96 TIME: 22:21:06  
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	Time	Pressure	delta P	Temp.	(T+dT)/dT	P^2/10^6
		PSIg	PSIg	DEG F		
***** Final Hydro.	232.00	1979.3	0.0	116.16		

# TEST HISTORY

Tk #9754 DST#1 Zeller #1 Ken White

## Flag Points

	t (Min.)	Pk (PSig)
A:	0.00	2004.19
B:	0.00	145.94
C:	15.00	328.99
D:	32.00	575.06
Q:	0.00	1976.58

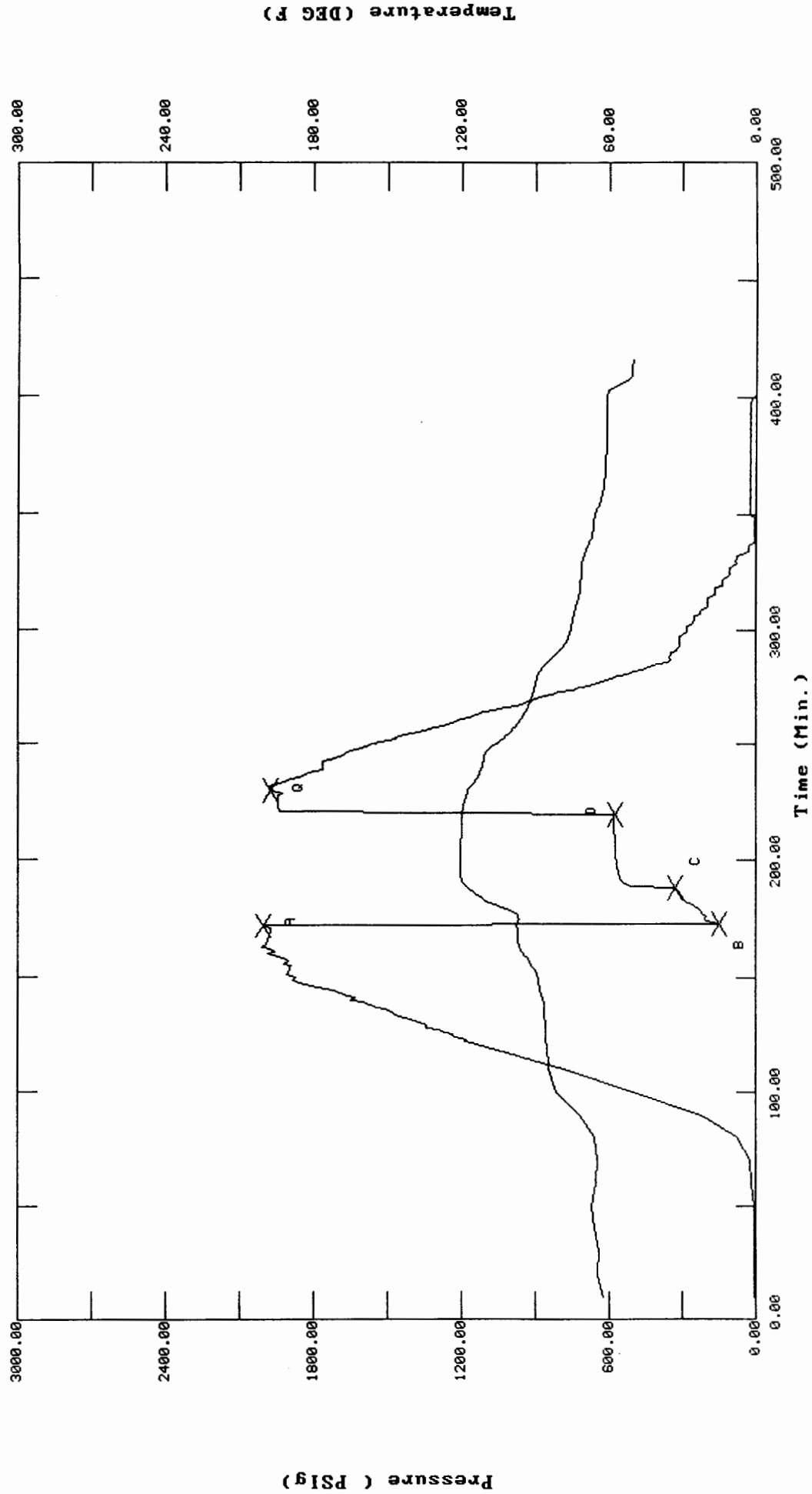
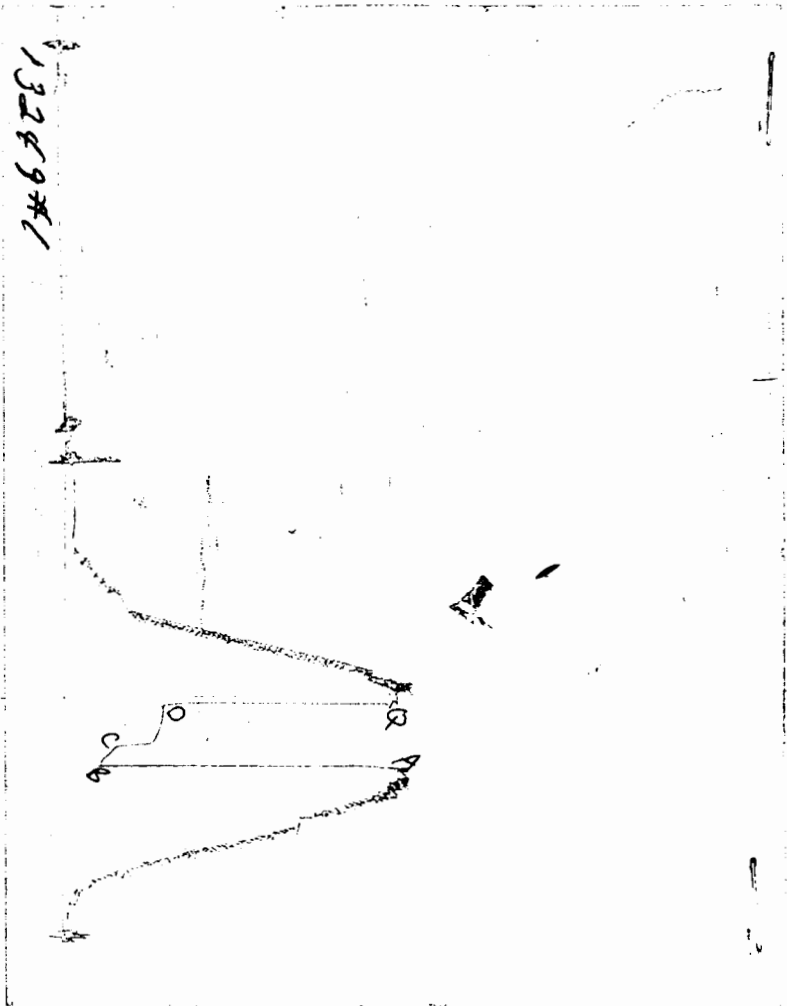


CHART PAGE



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 9754

Well Name & No. <u>Zeller #1</u>	Test No. <u>1</u>	Date <u>12-16-96</u>
Company <u>Kenneth S. White</u>	Zone Tested <u>Cherokee Sd</u>	
Address <u>200 E. First, Suite 405, Wichita, Ks. 67202</u>		Elevation <u>2205</u> KB <u>2200</u> GL
Co. Rep / Geo. <u>Ken White</u>	Cont. <u>Pickrell #10</u>	Est. Ft. of Pay <u>4</u> Por. <u>    </u> %
Location: Sec. <u>35</u> Twp. <u>16</u> Rge. <u>21</u> Co. <u>Ness</u> State <u>Ks.</u>		
No. of Copies <u>    </u> Distribution Sheet (Y, N) <u>    </u> Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>		

Interval Tested <u>4035 - 4085</u>	Initial Str Wt./Lbs. <u>46,000</u>	Unseated Str Wt./Lbs. <u>17,000</u>
Anchor Length <u>50</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>49,000</u>
Top Packer Depth <u>4030</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth <u>4035</u>	Hole Size — 7 7/8" _____	Rubber Size — 6 3/4" _____
Total Depth <u>4085</u>	Wt. Pipe Run _____	Drill Collar Run <u>180</u>
Mud Wt. <u>9.3</u> LCM _____ Vis. <u>56</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5 XH</u>	Ft. Run <u>3847</u>
Blow Description <u>I.F. Strong - B.O.B in 2 min.</u> <u>Weak blow back on shut-in.</u>		

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>124</u>	Feet Of <u>slitly OCM</u>	%gas <u>5</u> %oil _____ %water <u>95</u> %mud _____	
Rec. <u>180</u>	Feet Of <u>HOC Gsym</u>	<u>10</u> %gas <u>30</u> %oil _____ %water <u>60</u> %mud _____	
Rec. <u>378</u>	Feet Of <u>CGsyO</u>	<u>20</u> %gas <u>80</u> %oil _____ %water _____ %mud _____	
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 119 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity 34 °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud <u>2027</u> <u>2001</u> PSI	Recorder No. <u>2357</u>	T-Started <u>02:20</u>
(B) First Initial Flow Pressure <u>226</u> <u>146</u> PSI	(depth) <u>4043</u>	T-Open <u>01:12</u>
(C) First Final Flow Pressure <u>328</u> <u>329</u> PSI	Recorder No. <u>13249</u>	T-Pulled <u>01:58</u>
(D) Initial Shut-in Pressure <u>600</u> <u>575</u> PSI	(depth) <u>4082</u>	T-Out <u>04:30</u>
(E) Second Initial Flow Pressure _____ PSI	Recorder No. _____	
(F) Second Final Flow Pressure _____ PSI	(depth) _____	
(G) Final Shut-in Pressure _____ PSI	Initial Opening <u>15</u>	Test <u>700</u>
(H) Final Hydrostatic Mud <u>1959</u> <u>1978</u> PSI	Initial Shut-in <u>30</u>	Jars <u>X</u> <u>200</u>
<u>AK-1</u> <u>Alpine</u>	Final Flow _____	Safety Joint <u>X</u> <u>50</u>
	Final Shut-in _____	Straddle _____

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Approved By Kenneth S. White

Our Representative Dan Rangle

Extra Packer \_\_\_\_\_

Elect. Rec. X 150

Other \_\_\_\_\_

TOTAL PRICE \$ 1100

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