

WELL NAME: Atkinson #2-34
COMPANY: Marmik Oil Company
LOCATION - SEC: 34 TWP: 32S RGE: 29W
COUNTY: Meade STATE: KS
DATE: 10/04/95

TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Company
WELL NAME: Atkinson #2-34
LOCATION : 34-32S-29W, Meade Cty KS
INTERVAL : 4466.00 To 4580.00 ft

DATE 09/30/95
KB 2640.00 ft TICKET NO: 8241 DST #1
GR 0.00 ft FORMATION: Lansing
TD 4580.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	10333	10333	13255			PF Fr. 1933 to 2033 hr
SI 60 Range(Psi)	4075.0	4075.0	6300.0	0.0	0.0	IS Fr. 2033 to 2133 hr
SF 60 Clock(hrs)	23935	23935	30418			SF Fr. 2133 to 2233 hr
FS 120 Depth(ft)	4472.0	4472.0	4577.0	0.0	0.0	FS Fr. 2233 to 0033 hr

	Field	1	2	3	4	
A. Init Hydro	2032.0	2018.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	762.0	738.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	813.0	819.0	0.0	0.0	0.0	T OPEN 1933 hr
C. In Shut-in	1426.0	1418.0	0.0	0.0	0.0	T PULLED 0033 hr
D. Init Flow	772.0	752.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	802.0	799.0	0.0	0.0	0.0	
F. Fl Shut-in	1415.0	1404.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1858.0	1862.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			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 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 265.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 275.00 ft of 265.00 ft in DC and 10.00 ft in DP
10.00 ft of Clean natural gas - 100% gas (liquid)
265.00 ft of Gas cut mud - 40% gas (liquid), 60% mud

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

BLOW DESCRIPTION

Initial Blow -

Very strong blow, bottom of bucket in
30 sec; Gas to surface 2 min, MCF @
5245, gas will burn

Initial Shutin -

Bled off 2", took 33 min, blow back
built to 4"

Final Blow -

Very strong blow, bottom of bucket as
soon as tool open; MCF @ 5185

Final Shutin -

bled off 2", took 38 min, blow back
built to 6"

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	38.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	

Tester Mike Colantonio
Co. Rep. Lee Shobe
Contr. Abercrombie
Rig #
Unit #
Pump T.

Test Successful: Y

10533
B471 x

This is an actual photograph of recorder chart

GAS RECOVERY

COMPANY: Marmik Oil Company DATE: 09/30/95
 WELL NAME: Atkinson #2-34 KB Elev: 2640.00 ft TICKET #8241 DST #1
 WELL LOCATION: 34-32S-29W, Meade Cty, KS GR Elev: 0.00 ft FORMATION: Lansing
 INTERVAL Fr.: 4466.00 To 4580.00 T.D.: 4580.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	0	25	2258000.0
10	1.50	0	48	3633000.0
15	1.50	0	54	3991000.0
20	1.50	0	62	4468000.0
25	1.50	0	68	4827000.0
30	1.50	0	72	5065000.0
35	1.50	0	74	5185000.0
40	1.50	0	73	5125000.0
45	1.50	0	72	5065000.0
50	1.50	0	75	5245000.0
55	1.50	0	72	5065000.0
60	1.50	0	73	5125000.0

***** GAS RATES FOR FLOW #2

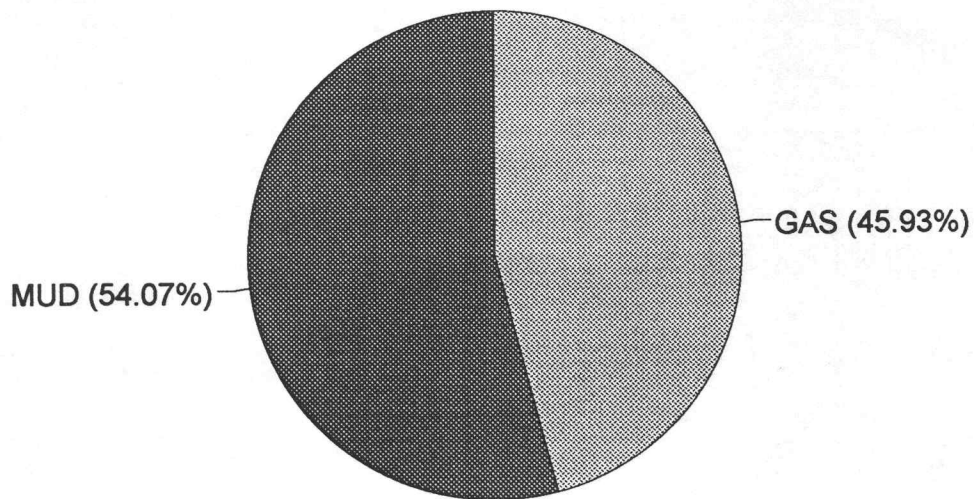
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	0	42	3274000.0
10	1.50	0	61	4409000.0
15	1.50	0	70	4946000.0
20	1.50	0	74	5185000.0
25	1.50	0	68	4827000.0
30	1.50	0	72	5065000.0
35	1.50	0	74	5185000.0
40	1.50	0	72	5065000.0
45	1.50	0	72	5065000.0
50	1.50	0	72	5065000.0
55	1.50	0	71	5006000.0
60	1.50	0	72	5065000.0

CALCULATED RECOVERY ANALYSIS

DST # 1

TICKET # 8241

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL PIPE	1	100	10		0		0		0	
	2		0		0		0		0	
	3		0		0		0		0	
	4		0		0		0		0	
	5		0		0		0		0	
	6		0		0		0		0	
WEIGHT PIPE	1		0		0		0		0	
	2		0		0		0		0	
	3		0		0		0		0	
	4		0		0		0		0	
DRL COLLAR	1	40	106		0		0	60	159	
	2		0		0		0		0	
	3		0		0		0		0	
	4		0		0		0		0	
	5		0		0		0		0	
TOTAL	275	42.18182	116	0	0	0	0	57.81818	159	
			HRS OPE BBL/DAY							
BBL OIL=	0	*	2.00	0						
BBL WATER=	0	*		0						
BBL MUD=	0.77751									
BBL GAS =	0.66054									



TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Company
WELL NAME: Atkinson #2-34
LOCATION : 34-32S-29W, Meade Cty KS
INTERVAL : 5585.00 To 5685.00 ft

DATE 10-4-95
KB 2640.00 ft TICKET NO: 8242 DST #2
GR 0.00 ft FORMATION: Morrow
TD 5685.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	2836	2836	2342			PF Fr. 1154 to 1224 hr
SI 60 Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 1224 to 1254 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1254 to 1354 hr
FS 60 Depth(ft)	5682.0	5682.0	5589.0	0.0	0.0	FS Fr. 1354 to 1454 hr

	Field	1	2	3	4	
A. Init Hydro	2713.0	2746.0	2808.0	0.0	0.0	T STARTED 1145 hr
B. First Flow	94.0	108.0	41.0	0.0	0.0	T ON BOTM 1152 hr
B1. Final Flow	94.0	110.0	54.0	0.0	0.0	T OPEN 1154 hr
C. In Shut-in	99.0	139.0	142.0	0.0	0.0	T PULLED 1454 hr
D. Init Flow	94.0	113.0	56.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	102.0	113.0	67.0	0.0	0.0	
F. Fl Shut-in	119.0	132.0	154.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2576.0	2588.0	2624.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 66000.00 lbs
						Unseated Str Wt 46000.00 lbs
						Bot Choke 7.50 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 295.00 ft
						D.P. Length 5621.00 ft

RECOVERY

Tot Fluid 95.00 ft of 95.00 ft in DC and 0.00 ft in DP
95.00 ft of Drilling Mud

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

BLOW DESCRIPTION

Initial Blow -
Weak blow built to 2"

Initial Shutin -
Bled off 2", no blow back

Final Blow -
Weak blow built to 2"

Final Shutin -
Bled off 2", no blow back

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 64.00 S/L
W.L. 9.60 in3
F.C. 0.00 in
Mud Drop Y 20.0 ft

Amt. of fill 0.00 ft
Btm. H. Temp. 126.00 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 Mike Colantonio
Co. Rep. Lee Shobe
Contr. Abercrombie Drlg
Rig # 5
Unit #
Pump T.

Test Successful: Y

TEST HISTORY

8242 DST#2 Atkinson#2-34 Marmik Oil Company

Flag Points

t(Min.) PK PSIG

R:	0.00	2808.47
B:	0.00	40.53
C:	28.00	53.96
D:	60.00	141.91
E:	0.00	55.89
F:	30.00	66.80
G:	58.00	153.66
Q:	0.00	2623.74

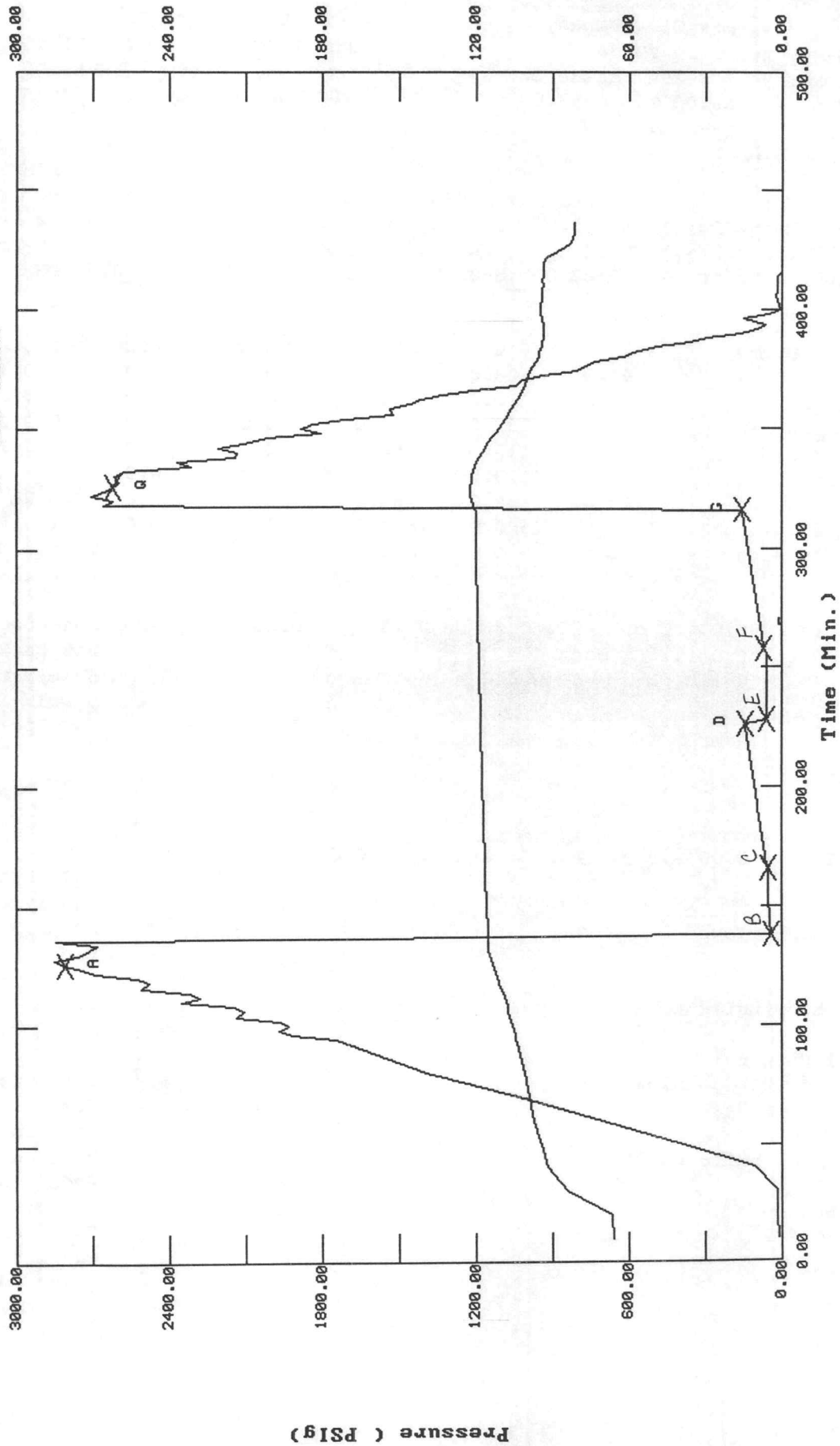
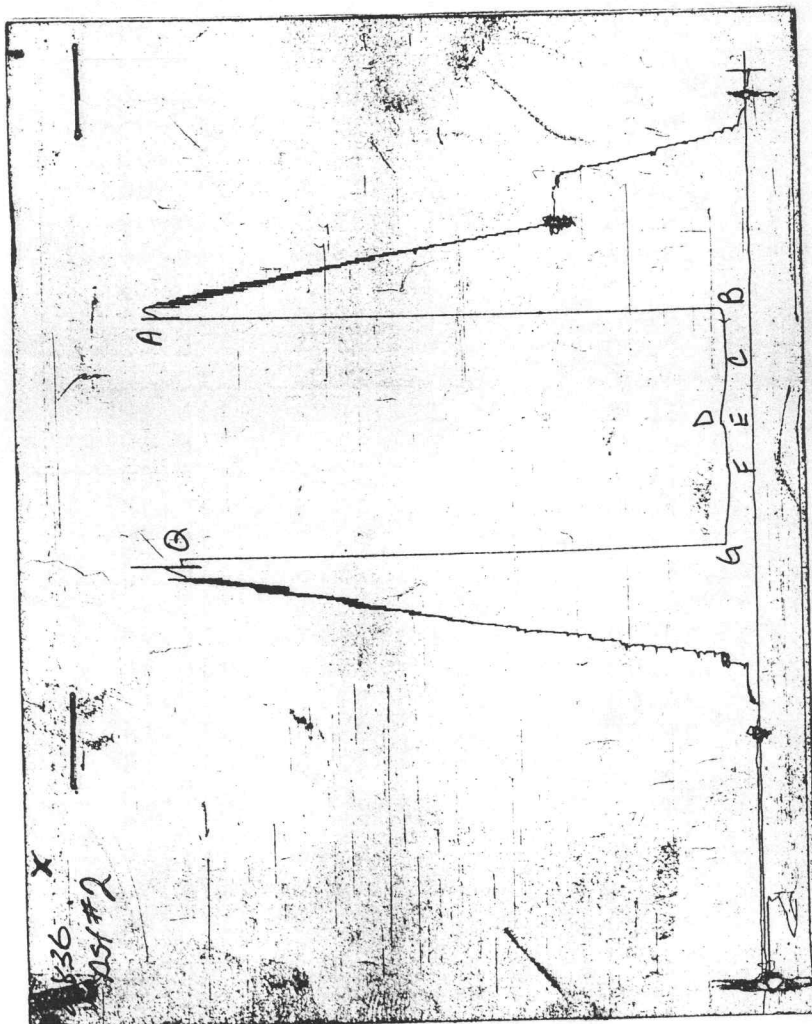


CHART PAGE



This is an actual photograph of recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8242 DST#2 Atkinson#2-34 Marmik Oil Company

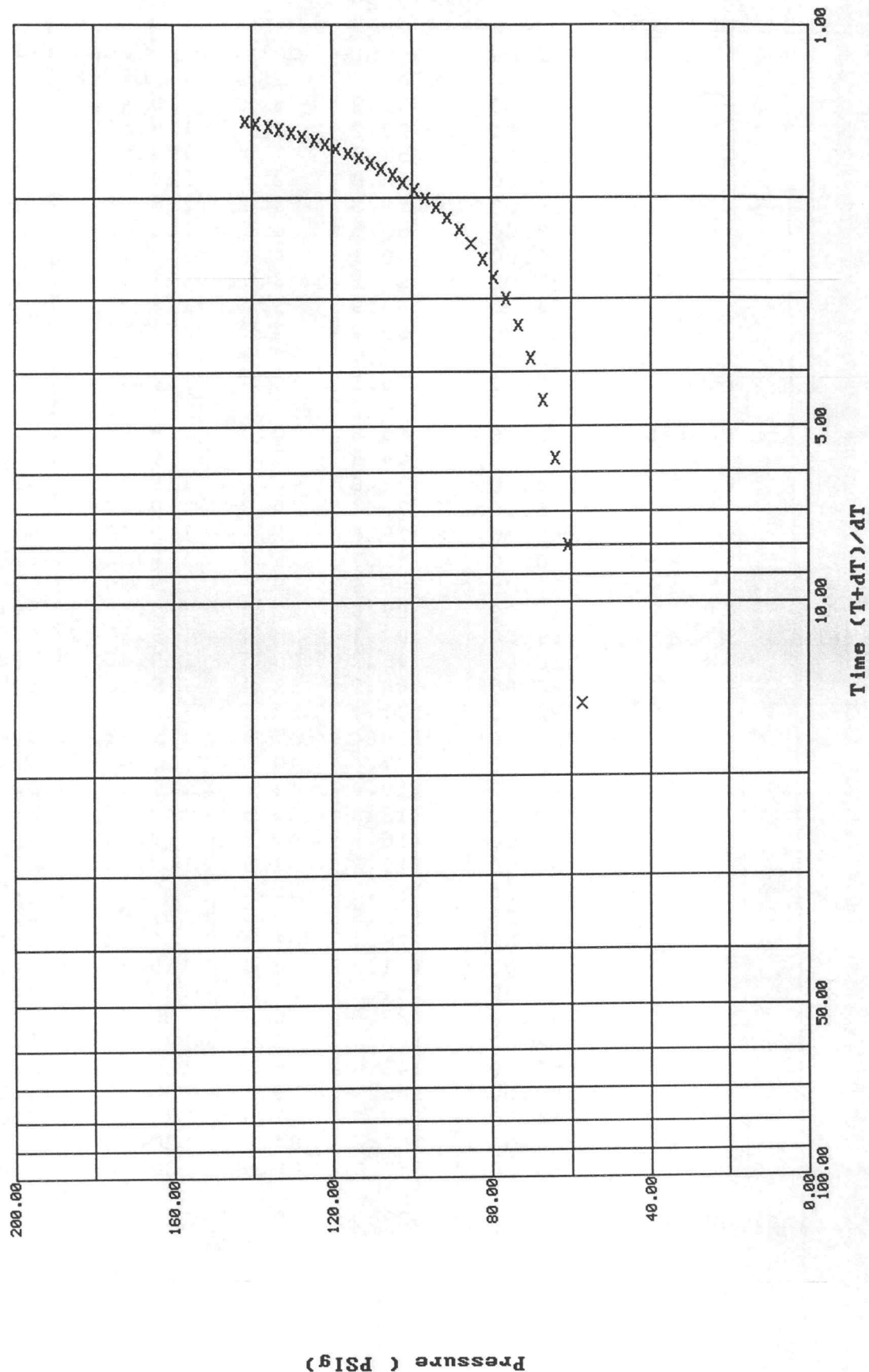
DATE: 10/04/95 TIME: 08:32:27

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	126.00	2808.5	0.0	113.54		
***** Start Flow 1	0.00	40.5	0.0	115.34		
	2.00	42.6	2.1	115.34		
	4.00	45.2	4.7	115.34		
	6.00	46.2	5.6	115.34		
	8.00	47.8	7.3	115.52		
	10.00	48.4	7.9	115.52		
	12.00	48.9	8.4	115.70		
	14.00	50.3	9.7	115.70		
	16.00	51.4	10.8	115.88		
	18.00	51.9	11.4	115.88		
	20.00	52.0	11.5	116.06		
	22.00	52.9	12.3	116.06		
	24.00	53.5	12.9	116.06		
	26.00	54.0	13.4	116.24		
***** End Flow 1	28.00	54.0	13.4	116.24		
***** Start Shutin 1	0.00	54.0	0.0	116.24	0.0000	0.003
	2.00	57.3	3.4	116.42	15.0000	0.003
	4.00	60.8	6.9	116.42	8.0000	0.004
	6.00	64.2	10.2	116.42	5.6667	0.004
	8.00	67.3	13.3	116.60	4.5000	0.005
	10.00	70.4	16.4	116.60	3.8000	0.005
	12.00	73.5	19.6	116.78	3.3333	0.005
	14.00	76.4	22.5	116.78	3.0000	0.006
	16.00	79.5	25.5	116.78	2.7500	0.006
	18.00	82.4	28.5	116.96	2.5556	0.007
	20.00	85.2	31.2	116.96	2.4000	0.007
	22.00	88.1	34.2	116.96	2.2727	0.008
	24.00	91.1	37.1	117.14	2.1667	0.008
	26.00	93.8	39.9	117.14	2.0769	0.009
	28.00	96.6	42.6	117.14	2.0000	0.009
	30.00	99.4	45.4	117.32	1.9333	0.01
	32.00	102.2	48.3	117.32	1.8750	0.010
	34.00	104.8	50.9	117.32	1.8235	0.011
	36.00	107.7	53.7	117.50	1.7778	0.012
	38.00	110.4	56.4	117.50	1.7368	0.012
	40.00	113.2	59.3	117.50	1.7000	0.013
	42.00	116.1	62.1	117.68	1.6667	0.013
	44.00	119.0	65.0	117.68	1.6364	0.014
	46.00	121.8	67.8	117.68	1.6087	0.015
	48.00	124.6	70.7	117.68	1.5833	0.016
	50.00	127.5	73.5	117.86	1.5600	0.016
	52.00	130.4	76.5	117.86	1.5385	0.017
	54.00	133.3	79.3	117.86	1.5185	0.018
	56.00	136.1	82.2	118.04	1.5000	0.019
	58.00	139.1	85.1	118.04	1.4828	0.019
***** End Shut-in 1	60.00	141.9	88.0	118.04	1.4667	0.020
***** Start Flow 2	0.00	55.9	0.0	118.22		
	2.00	58.1	2.2	118.22		
	4.00	58.3	2.4	118.22		
	6.00	59.0	3.1	118.40		

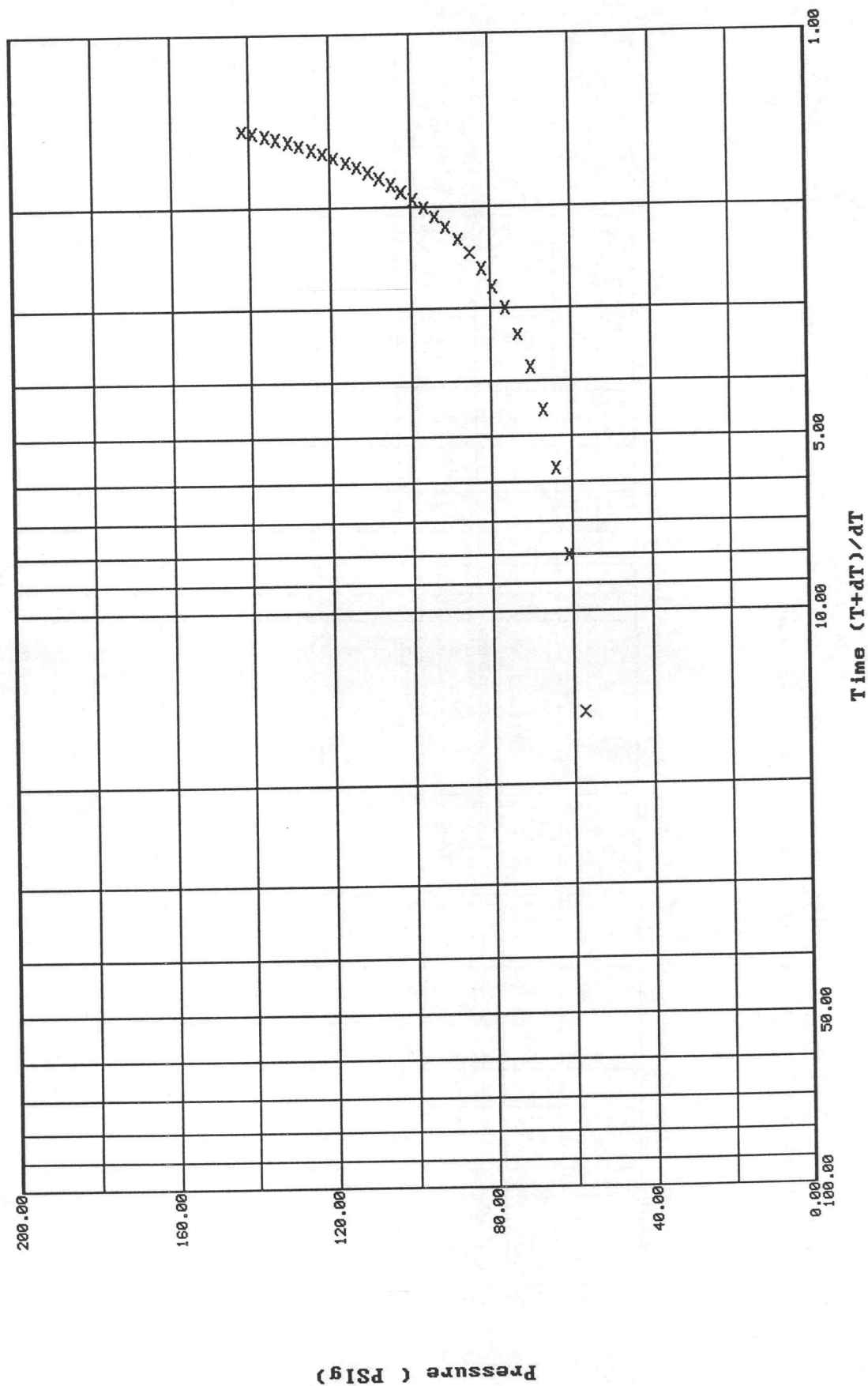
ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8242 DST#2 Atkinson#2-34 Marmik Oil Company
DATE: 10/04/95 TIME: 08:32:27

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	59.2	3.3	118.40		
	10.00	58.2	2.3	118.40		
	12.00	58.2	2.4	118.58		
	14.00	58.8	2.9	118.58		
	16.00	59.3	3.4	118.58		
	18.00	60.5	4.6	118.76		
	20.00	60.1	4.2	118.76		
	22.00	59.5	3.6	118.76		
	24.00	58.9	3.0	118.76		
	26.00	59.7	3.8	118.94		
	28.00	59.7	3.9	118.94		
***** End Flow 2	30.00	66.8	10.9	118.94		
***** Start Shutin 2	0.00	66.8	0.0	118.94	0.0000	0.004
	2.00	69.8	3.0	118.94	30.0000	0.005
	4.00	73.0	6.2	119.12	15.5000	0.005
	6.00	76.4	9.6	119.12	10.6667	0.006
	8.00	79.6	12.8	119.12	8.2500	0.006
	10.00	82.7	15.9	119.30	6.8000	0.007
	12.00	85.9	19.1	119.30	5.8333	0.007
	14.00	89.0	22.2	119.30	5.1429	0.008
	16.00	92.1	25.3	119.30	4.6250	0.008
	18.00	95.2	28.5	119.48	4.2222	0.009
	20.00	98.2	31.4	119.48	3.9000	0.01
	22.00	101.4	34.6	119.48	3.6364	0.010
	24.00	104.4	37.6	119.48	3.4167	0.011
	26.00	107.4	40.6	119.48	3.2308	0.012
	28.00	110.4	43.6	119.66	3.0714	0.012
	30.00	113.3	46.5	119.66	2.9333	0.013
	32.00	116.3	49.5	119.66	2.8125	0.014
	34.00	119.3	52.5	119.66	2.7059	0.014
	36.00	122.3	55.5	119.84	2.6111	0.015
	38.00	125.3	58.5	119.84	2.5263	0.016
	40.00	128.1	61.4	119.84	2.4500	0.016
	42.00	131.3	64.5	119.84	2.3810	0.017
	44.00	134.1	67.3	120.02	2.3182	0.018
	46.00	137.0	70.2	120.02	2.2609	0.019
	48.00	140.1	73.3	120.02	2.2083	0.020
	50.00	143.0	76.2	120.02	2.1600	0.020
	52.00	145.9	79.1	120.02	2.1154	0.021
	54.00	148.7	81.9	120.20	2.0741	0.022
	56.00	151.6	84.9	120.20	2.0357	0.023
***** End Shut-in 2	58.00	153.7	86.9	120.20	2.0000	0.024
***** Final Hydro.	326.00	2623.7	0.0	122.18		

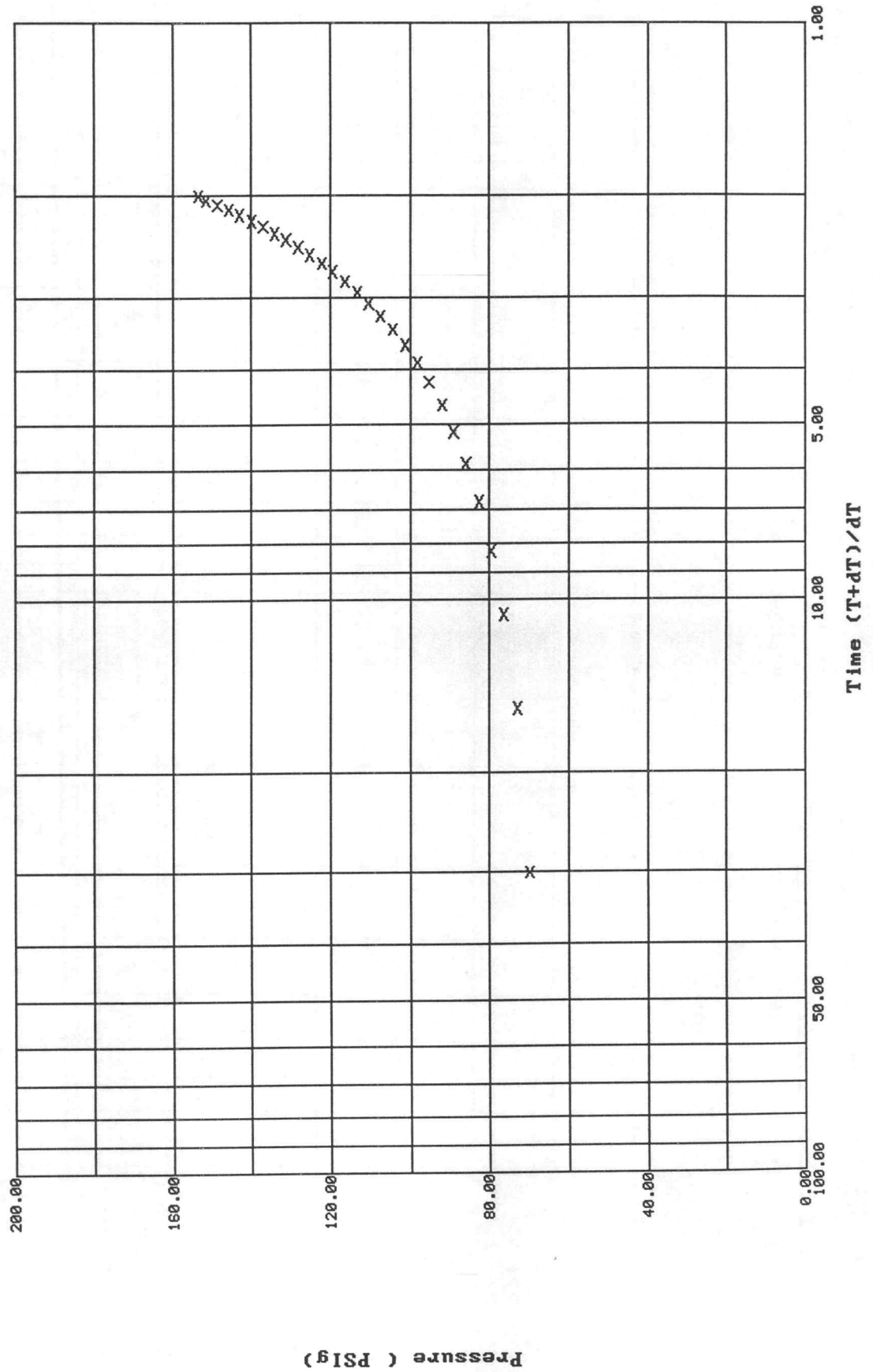
Horner Plot: shut-in #1 8242 DST#2 Atkinson#2-34 Marmik Oil Company



Horner Plot: shut-in #1 8242 DST#2 Atkinson#2-34 Marmik Oil Company

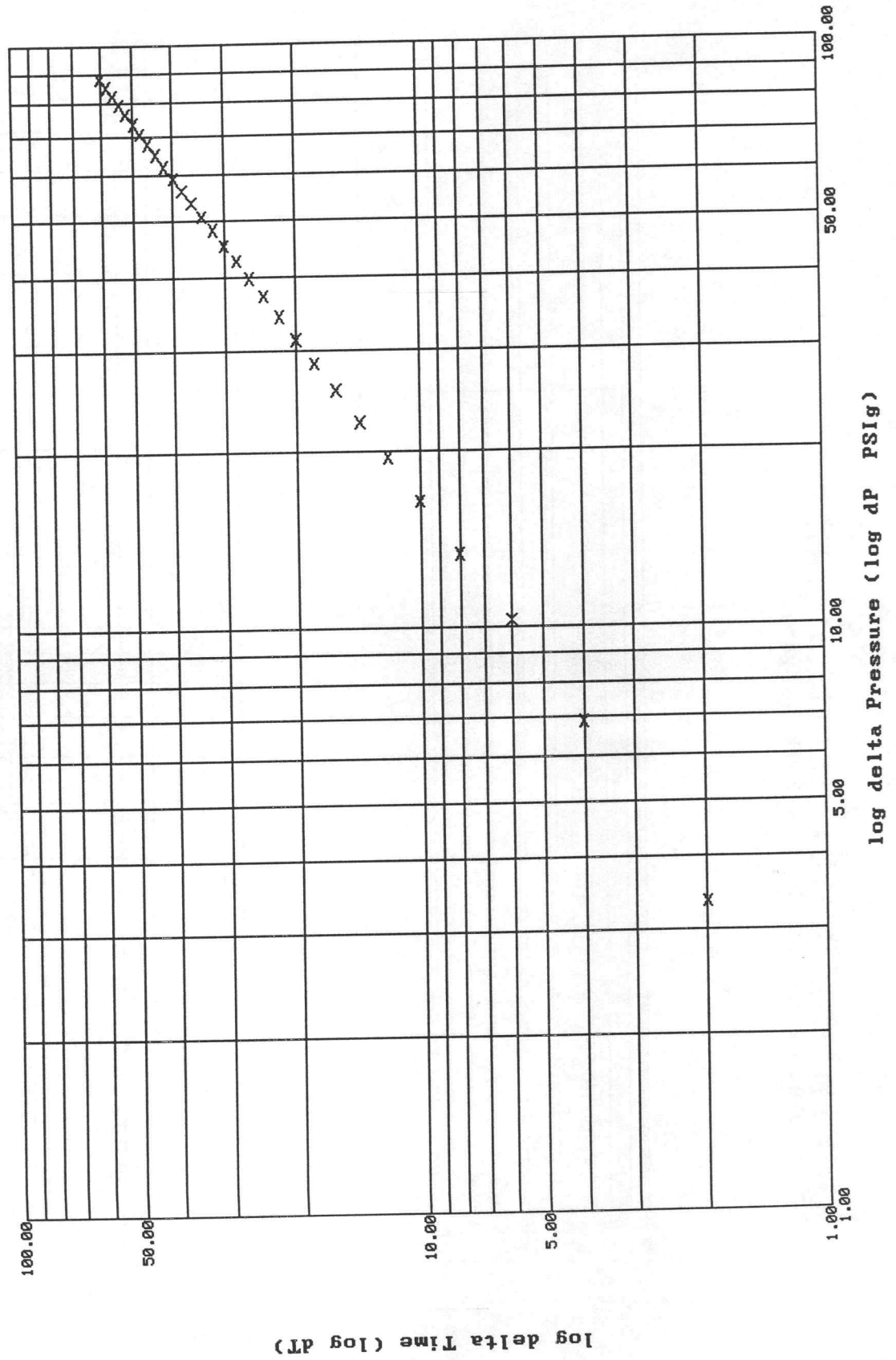


Horner Plot: shut-in #2 8242 DST#2 Atkinson#2-34 Marmik Oil Company



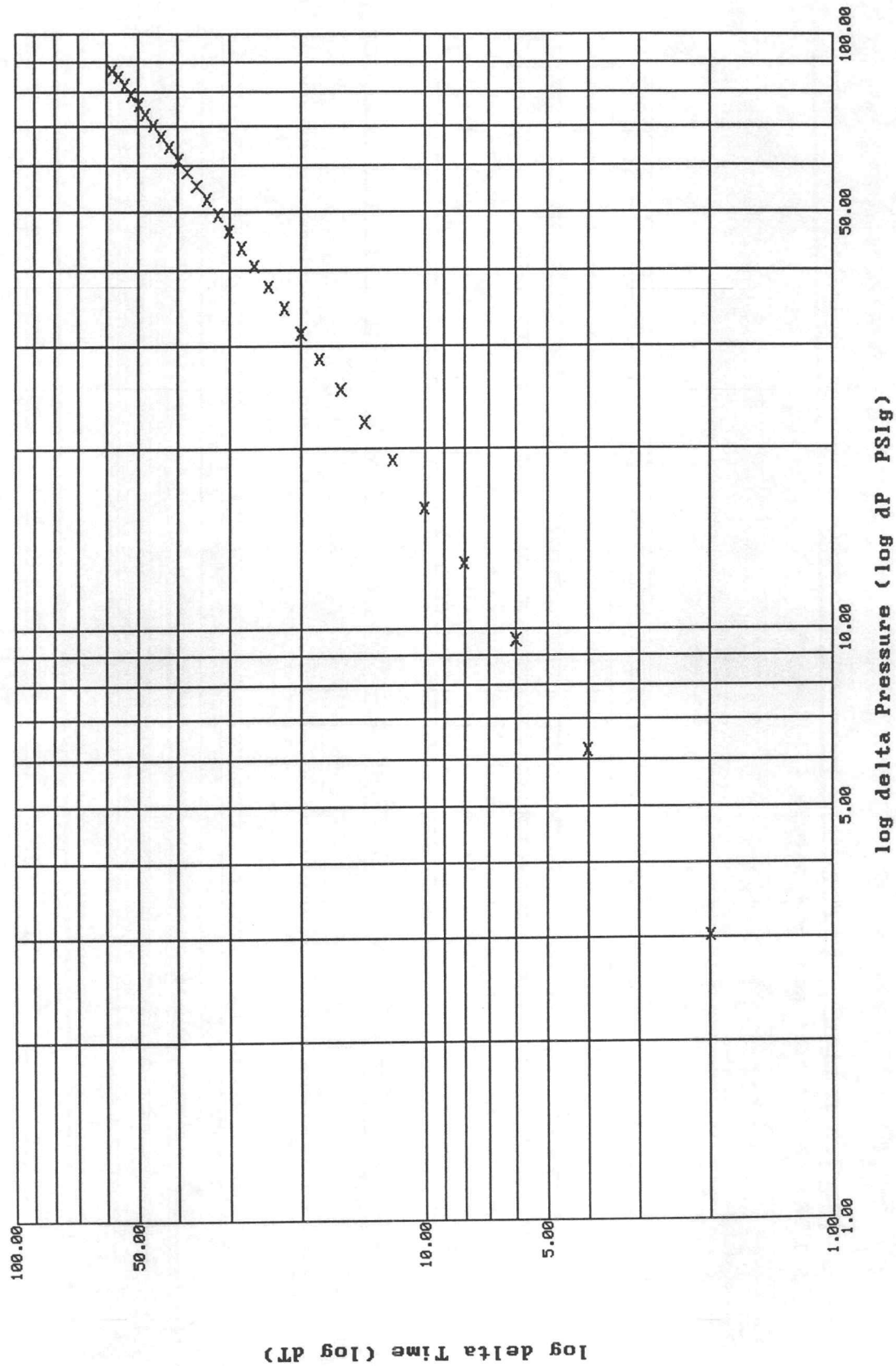
McKinley Plot: shut-in #1

8242 DST#2 Atkinson#2-34 Marmik Oil Company

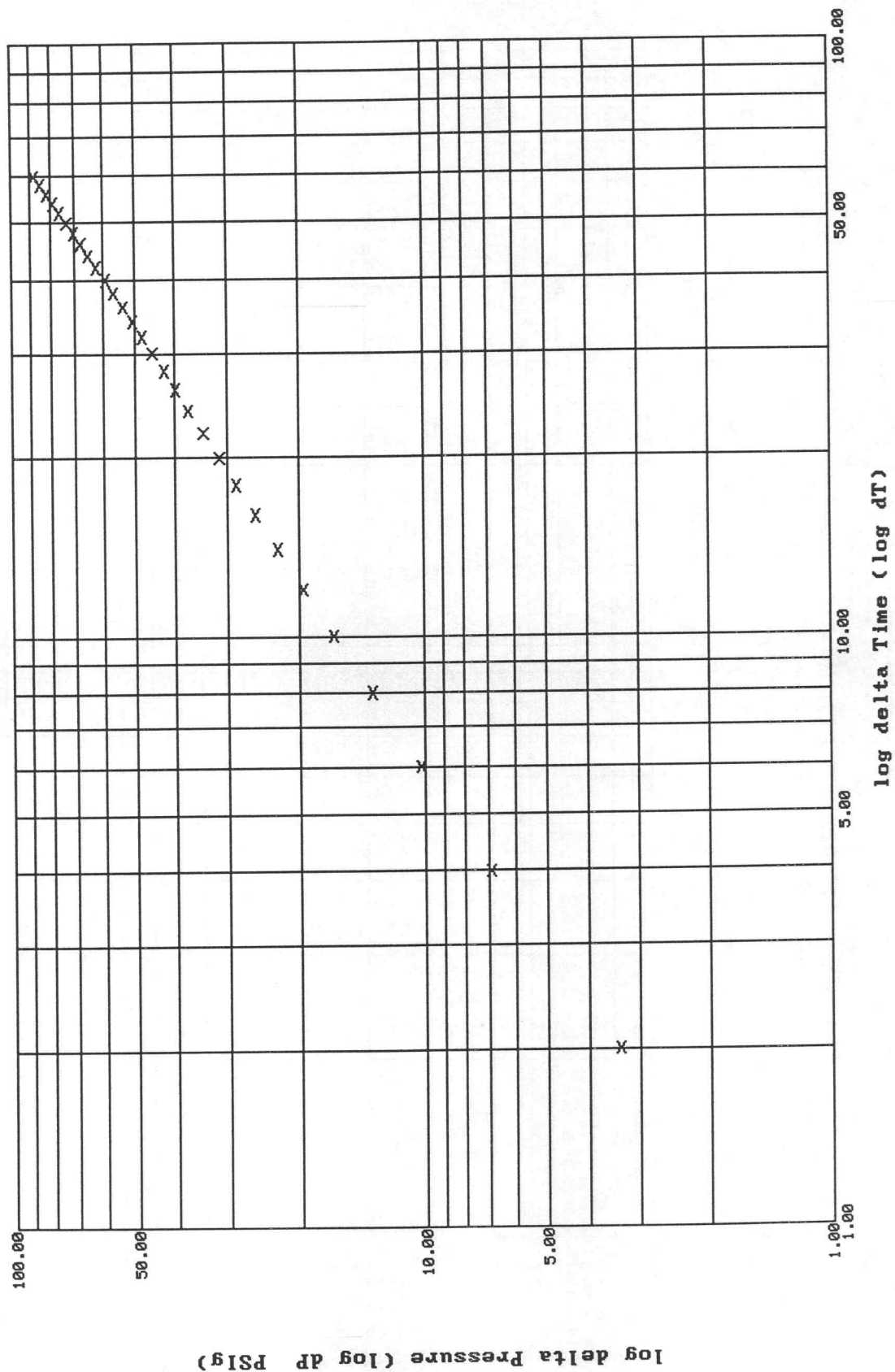


McKinley Plot: shut-in #2

8242 DST#2 Atkinson#2-34 Marmik Oil Company

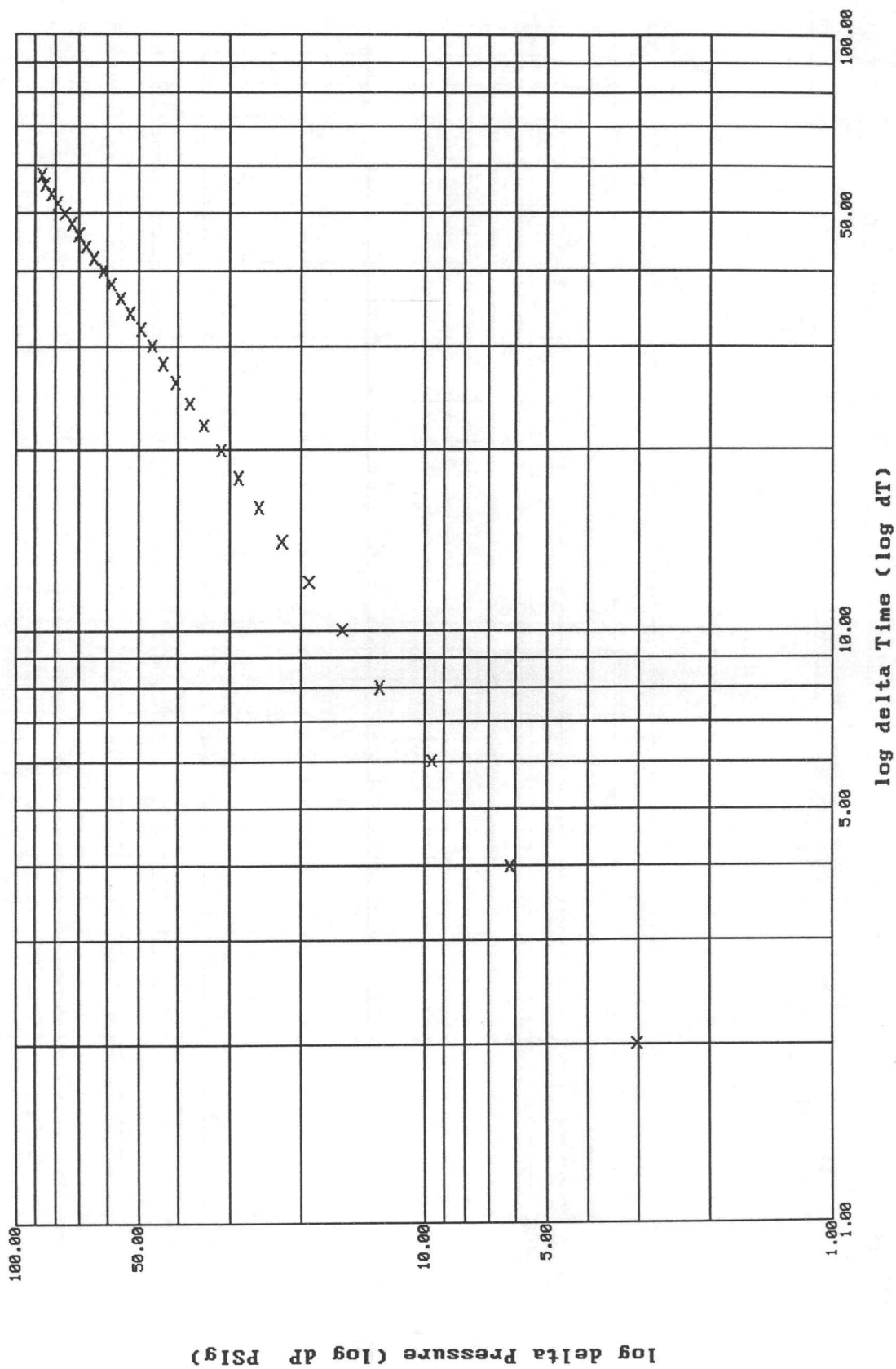


Ramey Plot: shut-in #1 8242 DST#2 Atkinson#2-34 Marmik Oil Company



Ramey Plot: shut-in #2

8242 DST#2 Atkinson#2-34 Marmik Oil Company



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Atkinson #2-34

LOCATION : 34-32S-29W, Meade Cty KS

TICKET No. 8242 D.S.T. No. 2 DATE 10-4-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 44ft.

TOTAL TOOL 66ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 2 Total 61ft

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 100ft.

D.C. ABOVE TOOLS.Stands3 Single 1 Total 295ft.

D.P. ABOVE TOOLS.Stands57 Single Total 5621

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5713ft.

TOTAL DEPTH 5685ft.

TOTAL DRILL PIPE ABOVE K.B. 28ft.

REMARKS:

P.O. SUB	
C.O. SUB 1ft.	5558
S.I. TOOL 5ft.	5559
HMV HYD. 5ft.	5564
JARS 5ft.	5569
SAFETY JOINT 2ft.	5574
PACKER 5ft.	5576
PACKER 4-1	5581
DEPTH 5585	
STUBB	
ANCHOR 2ft.	5586
6ft. perf	5588
Alpine Rec.	5589
5ft. perf	5594
5ft. perf	5599
5ft. perf	5604
5ft. perf	5609
T.C.	
DEPTH	
3ft. perf	5614
1ft. C\O	5617
61ft. Collars	5618
1ft.Double pin	5679
1ft. Hanging sub	5680
1ft. perf	5681
BULLNOSE AK-1 Rec.	5682
T.D. 3ft. Bullplug	5682