

**WELL NAME:** Long/Simpson 1-22  
**COMPANY:** Murfin Drilling Co. Inc.  
**LOCATION:** 22-2S-27W  
Decatur County, Kansas  
**DATE:** 3/9/98

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co. Inc.  
 WELL NAME: Long/Simpson 1-22  
 LOCATION : Sec 22 02s 27w Decatur KS  
 INTERVAL : 3403.00 To 3473.00 ft

DATE 03/03/98  
 KB 2668.00 ft TICKET NO: 11029 DST #1  
 GR 2663.00 ft FORMATION: Topeka  
 TD 3473.00 ft TEST TYPE: CONVENTIONAL

RECORDED DATA

mins		Field	1	2	3	4	TIME DATA-----
30	Rec.		11084	11084	ALPINE		PF Fr. 0458 to 0528 hr
45	Range(Psi )		4300.0	4300.0	4995.0	0.0	IS Fr. 0528 to 0613 hr
60	Clock(hrs)		12 HR	12 HR	batt		SF Fr. 0613 to 0713 hr
90	Depth(ft )		3406.0	3406.0	3439.0	0.0	FS Fr. 0713 to 0843 hr

	Field	1	2	3	4	
Init Hydro	1627.0	1620.0	1616.0	0.0	0.0	T STARTED 0327 hr
First Flow	77.0	82.0	42.0	0.0	0.0	T ON BOTM 0455 hr
Final Flow	263.0	267.0	267.0	0.0	0.0	T OPEN 0458 hr
In Shut-in	1153.0	1147.0	1150.0	0.0	0.0	T PULLED 0843 hr
Init Flow	296.0	307.0	278.0	0.0	0.0	T OUT 1025 hr
Final Flow	460.0	449.0	440.0	0.0	0.0	
Fl Shut-in	1163.0	1160.0	1154.0	0.0	0.0	TOOL DATA-----
Final Hydro	1616.0	1618.0	1611.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 22000.00 lbs

RECOVERY

Test Fluid 860.00 ft of 479.00 ft in DC and 381.00 ft in DP  
 50.00 ft of slightly muddy water 95% water 5% mud  
 .00 ft of  
 .00 ft of Rw .22 @ 39  
 CALINITY 620000.00 P.P.M. A.P.I. Gravity 0.00

Wt Pulled Loose 70000.00 lbs  
 Initial Str Wt 58000.00 lbs  
 Unseated Str Wt 60000.00 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 479.00 ft  
 D.P. Length 2929.00 ft

MUD DATA-----

Mud Type Chemical  
 Weight 8.80 lb/c  
 Vis. 44.00 S/L  
 W.L. 6.80 in3  
 F.C. 0.00 in  
 Mud Drop N

LOW DESCRIPTION

Initial Flow-  
 1" blow building to bottom of  
 bucket in 11 minutes

Initial Shutin-

no blow  
 Final Flow-  
 bucket in 18 minutes

Amt. of fill 0.00 ft  
 Btm. H. Temp. 97.00 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 Paul Simpson  
 Co. Rep. Paul Gunzleman  
 Contr. Murfin  
 Rig # 3  
 Unit #  
 Pump T.

SAMPLES: none  
 SENT TO:

Test Successful: Y

GAS RECOVERY

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COMPANY: Murfin Drilling Co. Inc. DATE: 03/03/98  
WELL NAME: Long/Simpson 1-22 KB Elev: 2668.00 ft TICKET #11029 DST #1  
WELL LOCATION: Sec 22 02s 27w Decatur KS GR Elev: 2663.00 ft FORMATION: Topeka  
INTERVAL Fr.: 3403.00 To 3473.00 T.D.: 3473.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA ORFICE

\*\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	10	19900.0
20	0.50	0	11	20900.0
30	0.50	0	13	22800.0
40	0.50	0	15	24500.0
50	0.50	0	16	25100.0
55	0.50	0	16	25100.0

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Long/Simpson 1-22

LOCATION : Sec 22 02s 27w Decatur KS

TICKET No. 11029 D.S.T. No. 1 DATE 03/03/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 39

TOTAL TOOL ..... 66

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 97

D.C. ABOVE TOOLS.Stands8 Single Total 479

D.P. ABOVE TOOLS.Stands47 Single Total 2929

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3505

TOTAL DEPTH ..... 3473

TOTAL DRILL PIPE ABOVE K.B. .... 32

REMARKS:

Sampler----Not run

TOTAL VOL. 4000 ML.

TOTAL VOL. REC. ML.

P.S.I.

TEMP. F.

OIL 0 ML.

MUD ML.

WATER 0 ML.

GAS CUBIC FT.

PIT RW. OHMS AT F. PPM.

REC. RW. OHMS AT F. PPM.

GRAVITY -- AT -- F.

P.O. SUB Top of Tool @	3377
C.O. SUB	
S.I. TOOL Sterling	3383
HMV Sterling	3388
JARS Sterling	3392
SAFETY JOINT BOWEN	3394
PACKER Top	3398
PACKER Bottom	3403
DEPTH 3403	
STUBB	3404
ANCHOR	
2' perf	3406
AK-1 rec @ 3406	
1 joint of pipe & subs to	3439
Alpine rec @ 3439	
5' perf	3444
T.C.	
DEPTH	
5' perf	3449
5' perf	3454
5' perf	3459
6' perf	3465
5' perf	3470
BULLNOSE	
T.D. 3' bullplug to	3473

11029 Murfin Drilling Co. Long/Simpson #1-22 DST #1

TEST HISTORY

Flag Points  
 t (Min.) P (PSIg)

R:	0.00	1616.64
B:	0.00	41.58
C:	30.50	267.37
D:	44.50	1150.21
E:	0.00	277.54
F:	59.00	440.44
G:	93.50	1154.41
Q:	0.00	1610.93

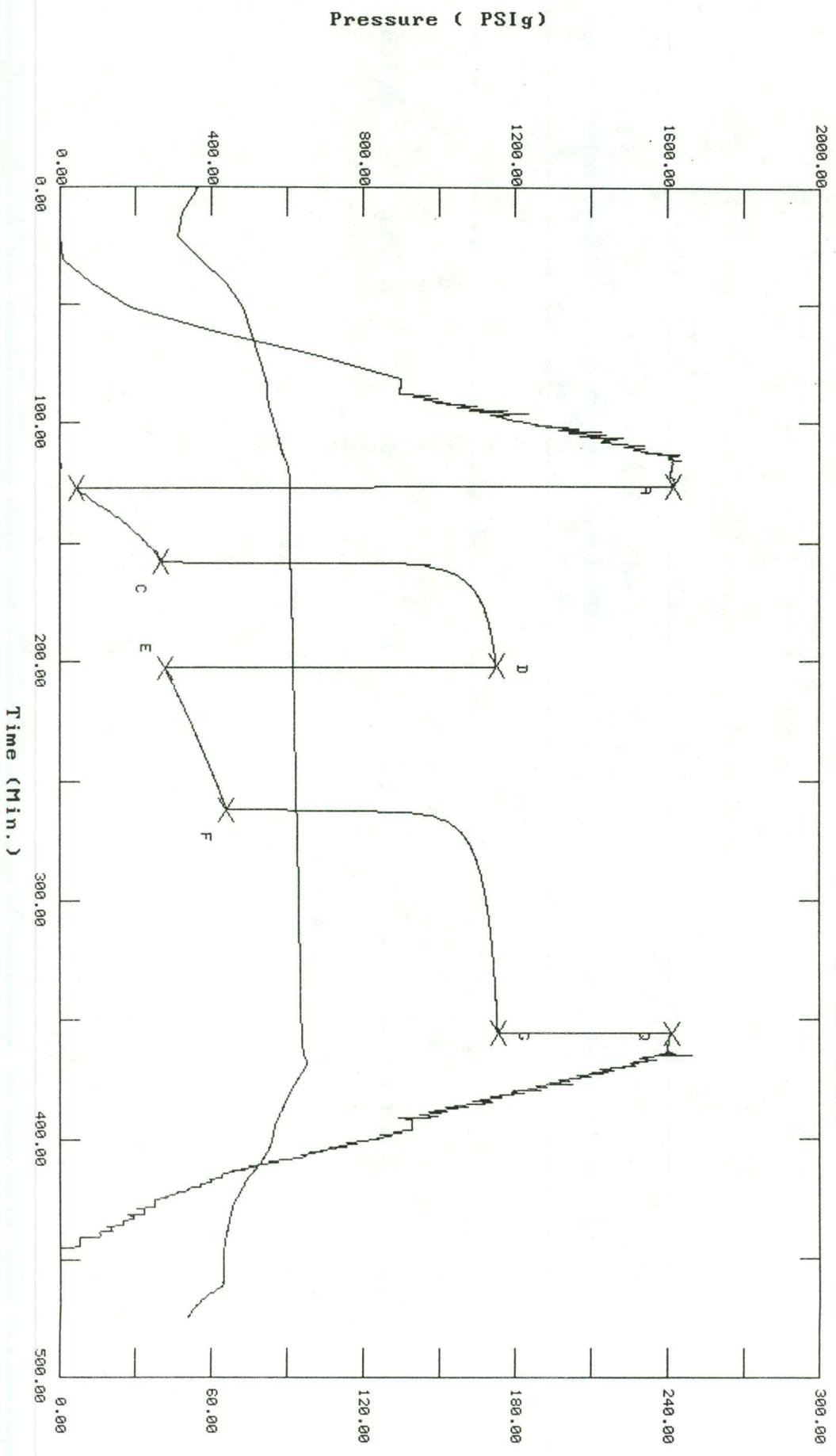
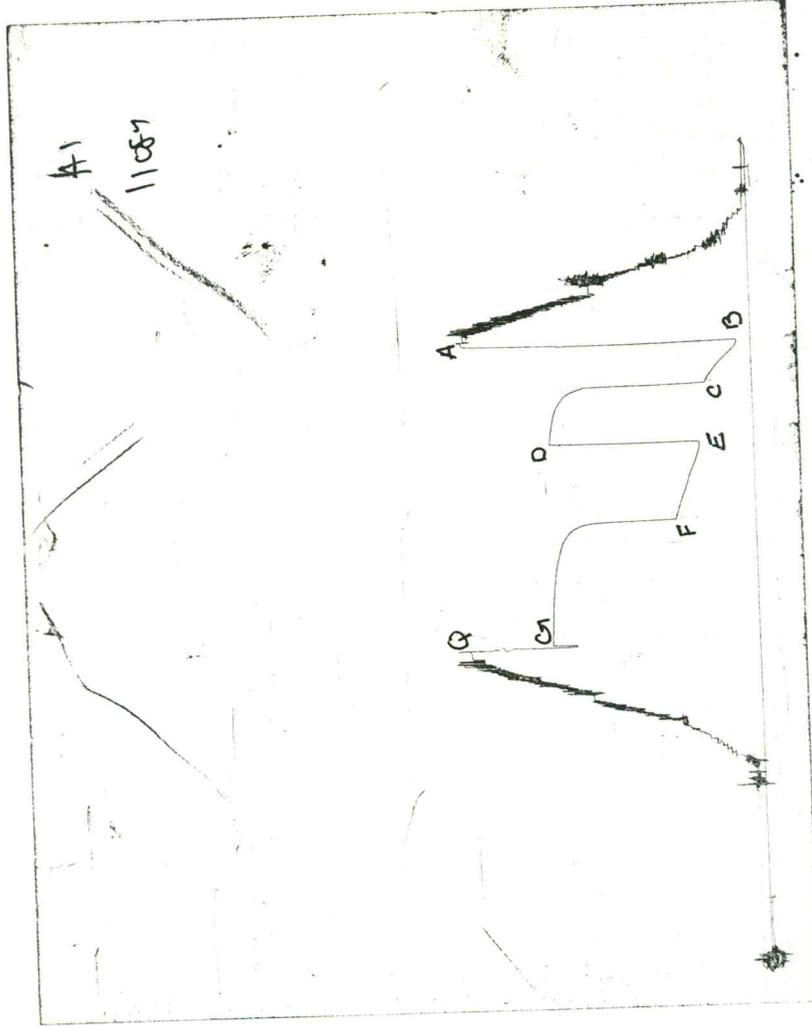


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co. Inc.  
 WELL NAME: Long/Simpson 1-22  
 LOCATION : Sec 22 02s 27w Decatur KS  
 INTERVAL : 3498.00 To 3558.00 ft

DATE 03/03/98

KB 2668.00 ft TICKET NO: 11030 DST #2  
 GR 2663.00 ft FORMATION: Oread Toronto  
 TD 3558.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11084	11084	ALPINE		PF Fr. 2126 to 2156 hr
SI 45	Range(Psi )	4300.0	4300.0	4995.0	0.0	IS Fr. 2156 to 2241 hr
SF 60	Clock(hrs)	12 HR	12 HR	batt		SF Fr. 2241 to 2341 hr
FS 90	Depth(ft )	3535.0	3535.0	3501.0	0.0	FS Fr. 2341 to 0121 hr

	Field	1	2	3	4	
A. Init Hydro	1843.0	1850.0	1671.0	0.0	0.0	T STARTED 2020 hr
B. First Flow	66.0	85.0	24.0	0.0	0.0	T ON BOTM 2124 hr
B1. Final Flow	142.0	156.0	132.0	0.0	0.0	T OPEN 2126 hr
C. In Shut-in	1099.0	1108.0	1088.0	0.0	0.0	T PULLED 0121 hr
D. Init Flow	175.0	189.0	144.0	0.0	0.0	T OUT 0308 hr
E. Final Flow	241.0	255.0	256.0	0.0	0.0	
F. Fl Shut-in	1110.0	1118.0	1093.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1724.0	1713.0	1052.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs

RECOVERY

Tot Fluid 550.00 ft of 479.00 ft in DC and 71.00 ft in DP  
 290.00 ft of gas in pipe  
 0.00 ft of  
 190.00 ft of clean gassy oil 5% gas 95% oil  
 240.00 ft of mud cut oil 70% oil 30% mud  
 120.00 ft of heavy oil cut mud 40% oil 60% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of 6' of pay  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 22.00

Wt Pulled Loose 64000.00 lbs  
 Initial Str Wt 58000.00 lbs  
 Unseated Str Wt 58000.00 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 479.00 ft  
 D.P. Length 3025.00 ft

MUD DATA-----  
 Mud Type Chemical  
 Weight 8.80 lb/c  
 Vis. 44.00 S/L  
 W.L. 7.20 in3  
 F.C. 0.00 in  
 Mud Drop N

BLOW DESCRIPTION

Initial Flow-  
 1" blow building to bottom of  
 bucket in 19 minutes  
  
 Initial Shutin-  
 surface blow building to 3 1/2"  
 Final Flow-  
 in 17 minutes  
  
 Final Shutin-  
 surface blow building to 3 1/2"

Amt. of fill 0.00 ft  
 Btm. H. Temp. 103.00 F  
 Hole Condition fair  
 % 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 Paul Simpson  
 Co. Rep. Paul Gunzelman  
 Contr. Murfin  
 Rig # 3  
 Unit #  
 Pump T.

SAMPLES: none  
 SENT TO:

Test Successful: Y

GAS RECOVERY

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COMPANY: Murfin Drilling Co. Inc. DATE: 03/03/98  
WELL NAME: Long/Simpson 1-22 KB Elev: 2668.00 ft TICKET #11030 DST #2  
WELL LOCATION: Sec 22 02s 27w Decatur KS GR Elev: 2663.00 ft FORMATION: Oread Toronto  
INTERVAL Fr.: 3498.00 To 3558.00 T.D.: 3558.00 ft TEST TYPE: CONVENTIONAL

AS RECOVERY MEASURED WITH MERLA ORFICE

\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	10	19900.0
20	0.50	0	11	20900.0
30	0.50	0	13	22800.0
40	0.50	0	15	24500.0
50	0.50	0	16	25100.0
55	0.50	0	16	25100.0

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Long/Simpson 1-22

LOCATION : Sec 22 02s 27w Decatur KS

WELL No. 11030 D.S.T. No. 2 DATE 03/03/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 29

TOTAL TOOL ..... 56

INSTALL COLLAR ANCHOR IN INTERVAL .....

1. ANCHOR STAND.Stands Single Total

2. ANCHOR STAND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 87

1. ABOVE TOOLS.Stands8 Single Total 479

2. ABOVE TOOLS.Stands48 Single 1 Total 3025

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3591

TOTAL DEPTH ..... 3558

TOTAL DRILL PIPE ABOVE K.B. .... 33

MARKS:

Sampler---Not run

TOTAL VOL. 4000 ML.

TOTAL VOL. REC. ML.

P.S.I.

TEMP. F.

OIL 0 ML.

MUD ML.

WATER 0 ML.

GAS CUBIC FT.

PIT RW. OHMS AT F. PPM.

REC. RW. OHMS AT F. PPM.

GRAVITY -- AT -- F.

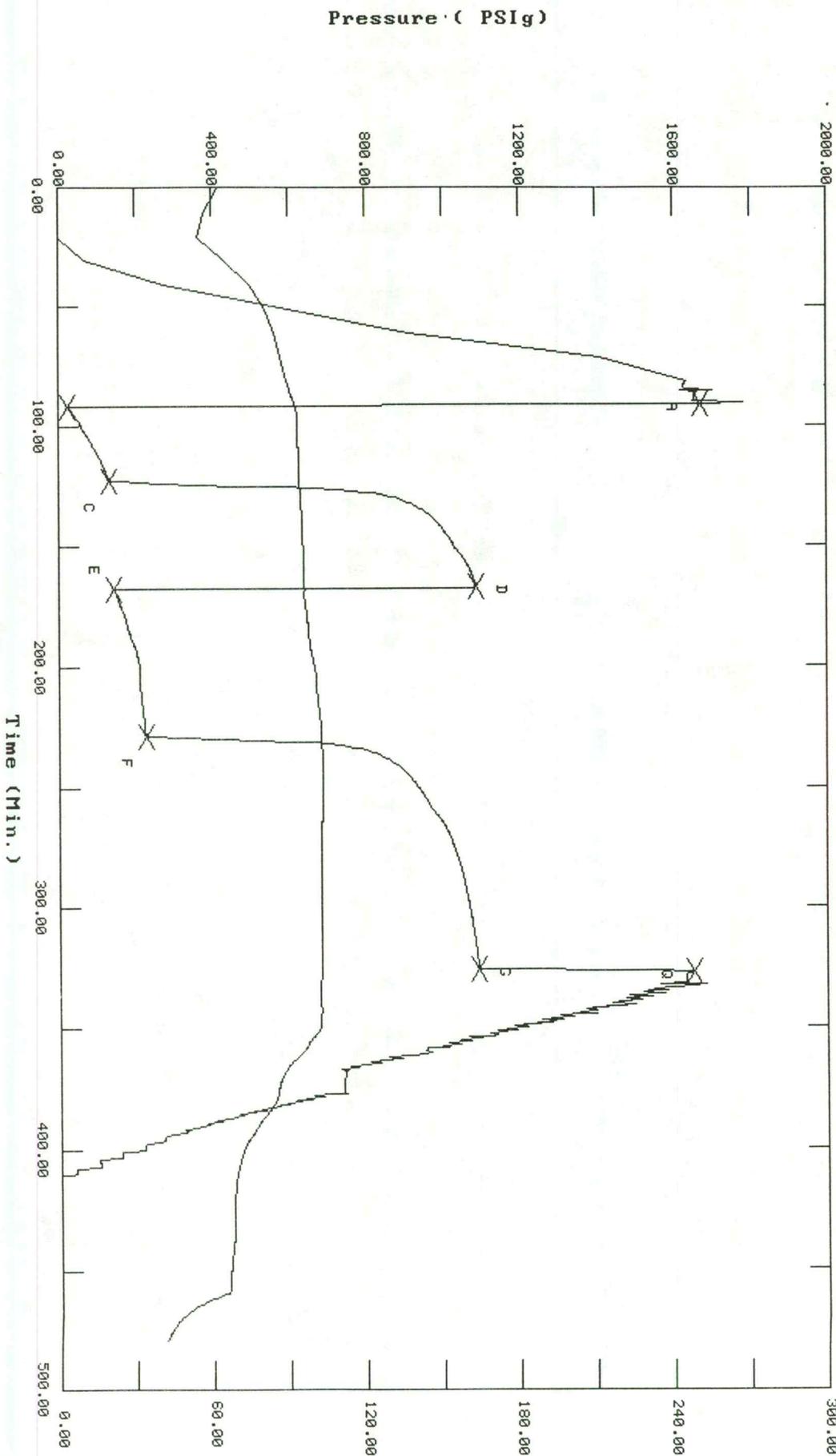
P.O. SUB Top of Tool @	3472
C.O. SUB	
S.I. TOOL Sterling	3478
HMV Sterling	3483
JARS Sterling	3487
SAFETY JOINT Bowen	3489
PACKER Top	3493
PACKER Bottom	3498
DEPTH 3498	
STUBB	3499
ANCHOR	
2' perf	3501
Alpine rec @ 3501	
1 joint of pipe & subs to	3534
Ak-1 rec @ 3534	
5' perf	3539
T.C.	
DEPTH	
5' perf	3544
5' perf	3549
5' perf	3554
1' perf	3555
BULLNOSE	
T.D. 3' bullplug to	3558

# TEST HISTORY

11830 Murfin Drilling Co. Long/Simpson 1/22 DST #2

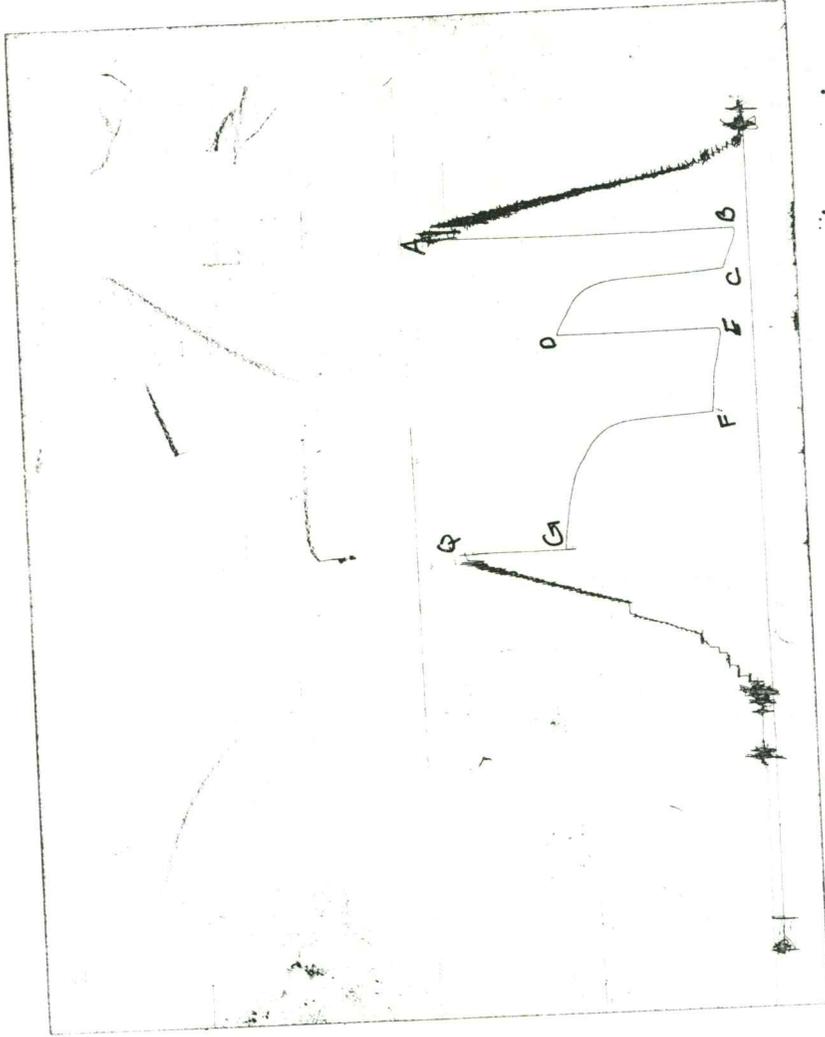
Flag Points

t (Min.)	P (PSig)
A: 0.00	1671.42
B: 0.00	23.54
C: 31.00	131.70
D: 44.50	1087.96
E: 0.00	143.78
F: 60.50	225.55
G: 97.50	1093.01
Q: 0.00	1652.03



Temperature (DEG F)

CHART PAGE



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TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co. Inc.  
 WELL NAME: Long/Simpson 1-22  
 LOCATION : Sec 22 02s 27w Decatur KS  
 INTERVAL : 3568.00 To 3591.00 ft

DATE 03/04/98  
 KB 2668.00 ft TICKET NO: 11031 DST #3  
 GR 2663.00 ft FORMATION: Pollnow  
 TD 3591.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11084	11084	ALPINE			PF Fr. 1337 to 1407 hr
SI 60	Range(Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1407 to 1507 hr
SF 60	Clock(hrs)	12 HR	12 HR	batt			SF Fr. 1507 to 1607 hr
FS 90	Depth(ft )	3586.0	3586.0	3571.0	0.0	0.0	FS Fr. 1607 to 1737 hr

	Field	1	2	3	4	
A. Init Hydro	1896.0	1866.0	1706.0	0.0	0.0	T STARTED 1220 hr
B. First Flow	55.0	67.0	21.0	0.0	0.0	T ON BOTM 1335 hr
B1. Final Flow	121.0	133.0	111.0	0.0	0.0	T OPEN 1337 hr
C. In Shut-in	1056.0	1052.0	1040.0	0.0	0.0	T PULLED 1737 hr
D. Init Flow	154.0	161.0	122.0	0.0	0.0	T OUT 1855 hr
E. Final Flow	252.0	263.0	244.0	0.0	0.0	
F. Fl Shut-in	1024.0	1029.0	1014.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1800.0	1771.0	1696.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 68000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 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 479.00 ft
						D.P. Length 3084.00 ft

RECOVERY

Tot Fluid 490.00 ft of 479.00 ft in DC and 11.00 ft in DP  
 120.00 ft of oil specked muddy water trace oil  
 0.00 ft of 80% water 20% mud  
 0.00 ft of  
 370.00 ft of salt water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of Rw .16 @ 70  
 SALINITY 48000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow-  
 1/2" blow building to 10"

Initial Shutin-  
 surface blow died in 2 minutes  
 Final Flow-

surface blow building to 11"

Final Shutin-

no blow

SAMPLES: none  
 SENT TO:

MUD DATA-----

Mud Type Chemical  
 Weight 8.80 lb/c  
 Vis. 44.00 S/L  
 W.L. 7.20 in3  
 F.C. 0.00 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 104.00 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 Paul Simpson  
 Co. Rep. Paul Gunzelman  
 Contr. Murfin  
 Rig # 3  
 Unit #  
 Pump T.

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Long/Simpson 1-22

LOCATION : Sec 22 02s 27w Decatur KS

TICKET No. 11031 D.S.T. No. 3 DATE 03/04/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 23

TOTAL TOOL ..... 50

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 50

D.C. ABOVE TOOLS.Stands8 Single Total 479

D.P. ABOVE TOOLS.Stands49 Single 1 Total 3084

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3613

TOTAL DEPTH ..... 3591

TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:

Sampler----Not run

TOTAL VOL. 4000 ML.

TOTAL VOL. REC. ML.

P.S.I.

TEMP. F.

OIL 0 ML.

MUD ML.

WATER 0 ML.

GAS CUBIC FT.

PIT RW. OHMS AT F. PPM.

REC. RW. OHMS AT F. PPM.

GRAVITY -- AT -- F.

P.O. SUB Top of Tool @	3542
C.O. SUB	
S.I. TOOL Sterling	3548
HMV Sterling	3553
JARS Sterling	3557
SAFETY JOINT Bowen	3559
PACKER Top	3563
PACKER Bottom	3568
DEPTH 3568	
STUBB	3569
ANCHOR	
2' perf	3571
Alpine rec @ 3571	
5' perf	3576
T.C. DEPTH	
5' perf	3581
6' perf	3587
AK-1 rec @ 3586	
1' perf	3588
BULLNOSE	
T.D. 3' bullplug to	3558

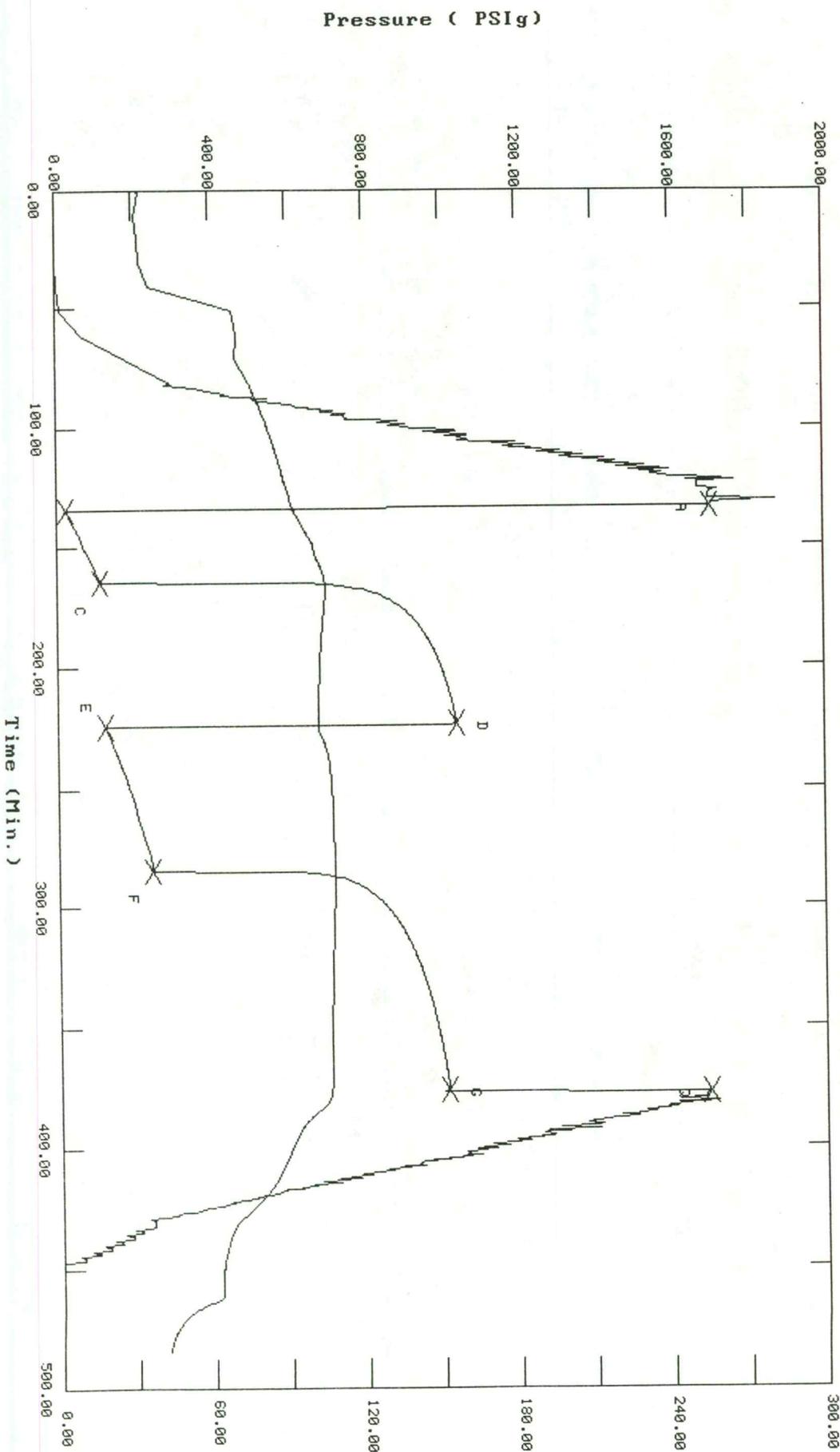


# TEST HISTORY

11031 Murfin Drilling Co. Long/Simpson 1-22 DST #3

Flag Points

Time (Min.)	Pressure (PSig)
A: 0.00	1706.46
B: 0.00	21.31
C: 30.50	111.38
D: 59.00	1040.10
E: 0.00	121.77
F: 60.00	244.12
G: 91.50	1013.68
H: 0.00	1696.27

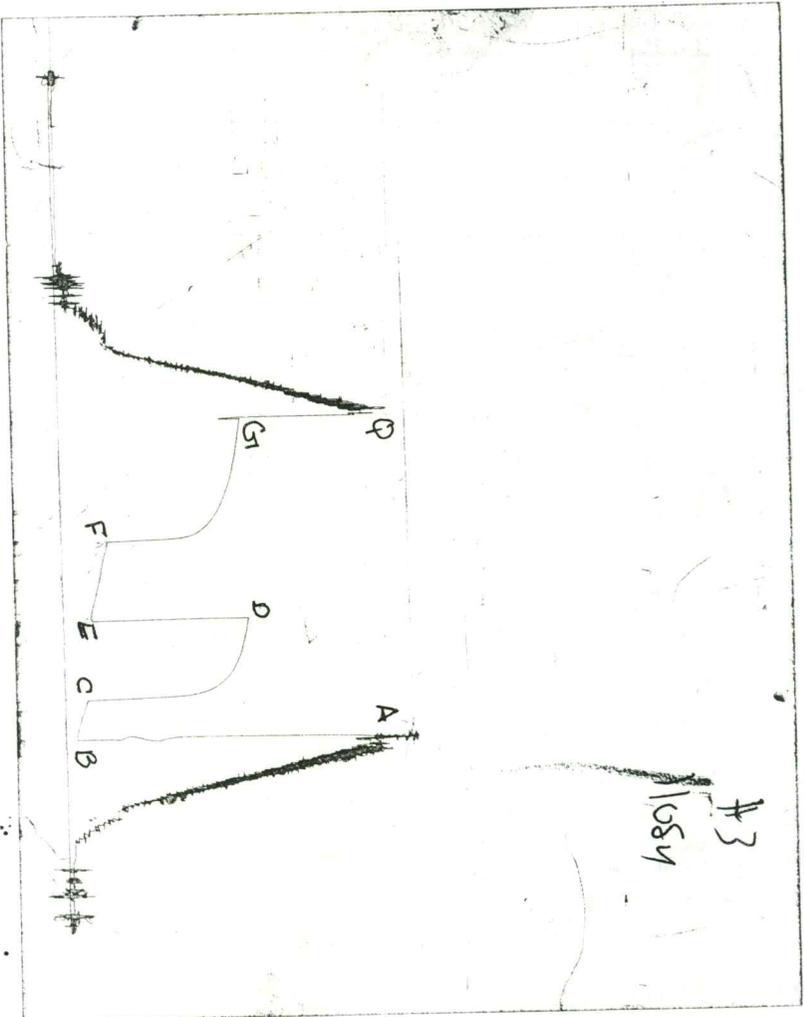


Pressure ( PSig )

Temperature ( DEG F )

Time (Min.)

CHART PAGE



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



GAS RECOVERY

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COMPANY: Murfin Drilling Co. Inc.

DATE: 03/05/98

WELL NAME: Long/Simpson 1-22

KB Elev: 2668.00 ft TICKET #11032 DST #4

WELL LOCATION: Sec 22 02s 27w Decatur KS

GR Elev: 2663.00 ft FORMATION: Lansing D

INTERVAL Fr.: 3592.00 To 3618.00 T.D.: 3618.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA ORFICE

\*\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	10	19900.0
20	0.50	0	11	20900.0
30	0.50	0	13	22800.0
40	0.50	0	15	24500.0
50	0.50	0	16	25100.0
55	0.50	0	16	25100.0

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Long/Simpson 1-22

LOCATION : Sec 22 02s 27w Decatur KS

TICKET No. 11032 D.S.T. No. 4 DATE 03/05/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 26

TOTAL TOOL ..... 53

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 53

D.C. ABOVE TOOLS.Stands8 Single Total 479

D.P. ABOVE TOOLS.Stands50 Single Total 3115

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3647

TOTAL DEPTH ..... 3618

TOTAL DRILL PIPE ABOVE K.B. .... 29

REMARKS:

Sampler----Not run

TOTAL VOL. 4000 ML.

TOTAL VOL. REC. ML.

P.S.I.

TEMP. F.

OIL 0 ML.

MUD ML.

WATER 0 ML.

GAS CUBIC FT.

PIT RW. OHMS AT F. PPM.

REC. RW. OHMS AT F. PPM.

GRAVITY -- AT -- F.

H	P.O. SUB Top of Tool @	3566
H	C.O. SUB	
H	S.I. TOOL Sterling	3572
H		
H	HMV Sterling	3577
H	JARS Sterling	3581
H		
H	SAFETY JOINT Bowen	3583
H	PACKER Top	3587
H	PACKER Bottom	3592
H	DEPTH 3592	
H	STUBB	3593
H	ANCHOR	
H	2' perf	3595
H	Alpine rec @ 3595	
H		
H	5' perf	3600
H	T.C.	
H	DEPTH	
H		
H	5' perf	3605
H		
H	5' perf	3610
H	AK-1 rec @ 3613	
H		
H	5' perf	3615
H		
H	BULLNOSE	
H	T.D. 3' bullplug to	3618

# TEST HISTORY

11032 Murfin Drilling Co. Long/Simpson 1-22 DST #4

## Flag Points

t (Min.) P (PSig)

A:	0.00	1726.07
B:	0.00	39.32
C:	32.00	103.30
D:	59.00	1104.25
E:	0.00	112.44
F:	60.00	214.42
G:	90.50	1097.12
Q:	0.00	1759.46

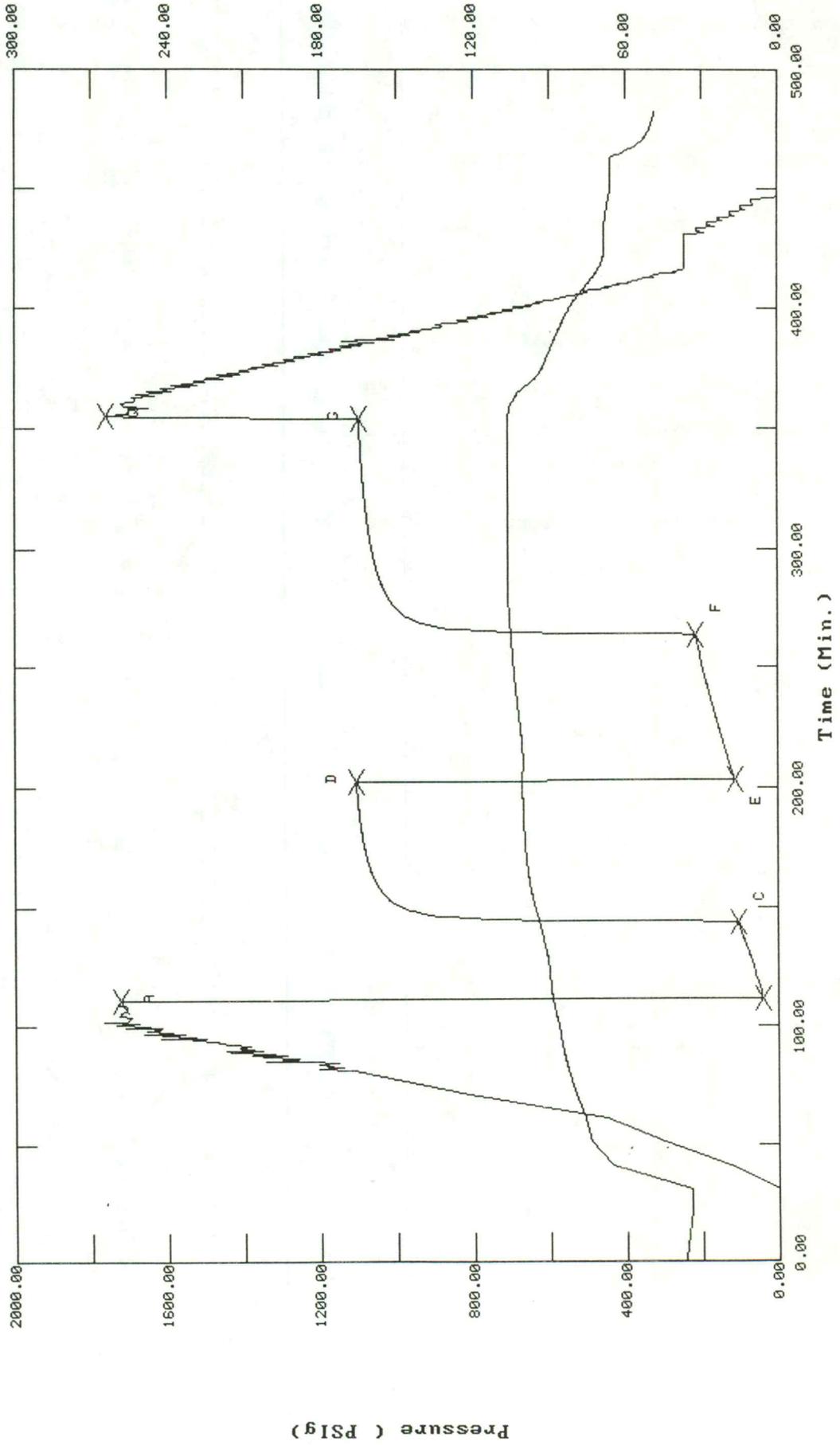
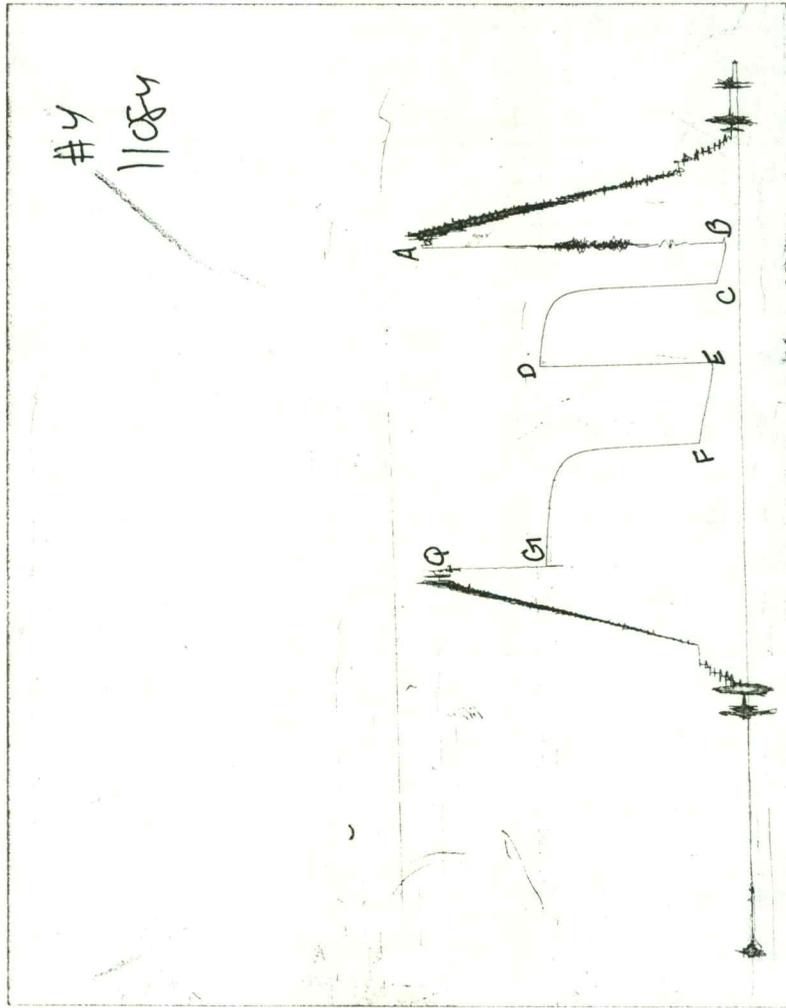


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co. Inc. DATE 03/05/98  
 WELL NAME: Long/Simpson 1-22 KB 2668.00 ft TICKET NO: 11033 DST #5  
 LOCATION : Sec 22 02s 27w Decatur KS GR 2663.00 ft FORMATION: Lansing I-J  
 INTERVAL : 3643.00 To 3708.00 ft TD 3708.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11084	11084	ALPINE			PF Fr. 2029 to 2059 hr
SI 30 Range(Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 2059 to 2129 hr
SF 30 Clock(hrs)	12 HR	12 HR	batt			SF Fr. 2129 to 2159 hr
FS 30 Depth(ft )	3679.0	3679.0	3645.0	0.0	0.0	FS Fr. 2159 to 2229 hr

	Field	1	2	3	4	
A. Init Hydro	1853.0	1844.0	1768.0	0.0	0.0	T STARTED 1920 hr
B. First Flow	44.0	60.0	20.0	0.0	0.0	T ON BOTM 2027 hr
B1. Final Flow	44.0	64.0	21.0	0.0	0.0	T OPEN 2029 hr
C. In Shut-in	66.0	81.0	51.0	0.0	0.0	T PULLED 2229 hr
D. Init Flow	44.0	61.0	21.0	0.0	0.0	T OUT 2354 hr
E. Final Flow	44.0	61.0	22.0	0.0	0.0	
F. Fl Shut-in	55.0	73.0	35.0	0.0	0.0	
G. Final Hydro	1842.0	1843.0	1750.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 2400.00 lbs
						Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 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 479.00 ft
						D.P. Length 3147.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
 5.00 ft of mud  
 0.00 ft of  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	48.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	97.00 F
Hole Condition	
% 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	Paul Simpson
Co. Rep.	Paul Gunzelman
Contr.	Murfin
Rig #	3
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow-  
 weak 1" blow died in 28 minutes

Initial Shutin-  
 no blow

Final Flow-

no blow

Final Shutin-

no blow

SAMPLES: none

SENT TO:

Test Successful: Y



\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Long/Simpson 1-22

LOCATION : Sec 22 02s 27w Decatur KS

TICKET No. 11033 D.S.T. No. 5 DATE 03/05/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 33

TOTAL TOOL ..... 60

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY ..... 92

D.C. ABOVE TOOLS.Stands8 Single Total 479

D.P. ABOVE TOOLS.Stands51 Single 1 Total 3147

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3718

TOTAL DEPTH ..... 3708

TOTAL DRILL PIPE ABOVE K.B. .... 10

REMARKS:

Sampler----Not run

TOTAL VOL. 4000 ML.

TOTAL VOL. REC. ML.

P.S.I.

TEMP. F.

OIL 0 ML.

MUD ML.

WATER 0 ML.

GAS CUBIC FT.

PIT RW. OHMS AT F. PPM.

REC. RW. OHMS AT F. PPM.

GRAVITY -- AT -- F.

P.O. SUB Top of Tool @	3617
C.O. SUB	
S.I. TOOL Sterling	3623
HMV Sterling	3628
JARS Sterling	3632
SAFETY JOINT Bowen	3634
PACKER Top	3638
PACKER Bottom	3643
DEPTH 3643	
STUBB	3644
ANCHOR	
1' perf	3645
Alpine rec @ 3645	
1 joint of pipe & subs to	3679
AK-1 rec @ 3679	
5' perf	3684
T.C.	
DEPTH	
5' perf	3689
5' perf	3694
5' perf	3699
6' perf	3705
BULLNOSE	
T.D. 3' bullplug to	3708

11033 Murfin Drilling Co. Long/Simpson #1-22 DST #5

TEST HISTORY

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1768.45
B:	0.00	19.57
C:	30.50	20.71
D:	30.00	51.19
E:	0.00	21.07
F:	29.50	21.87
G:	29.00	34.99
Q:	0.00	1730.04

