

(303) 522-7025

LIBERTY TESTERS, INC.

P.O. Box 1454
erling, CO 80751

00264653

Contractor Allison Bros.
 Rig No. 2
 Spot NE/NE
 Sec. 8
 Twp. 9 N
 Rng. 54 W
 Field Wildcat
 County Logan
 State Colorado
 Elevation 4267' KB
 Formation "J" Sand

Surface Choke 3/8"
 Bottom Choke 3/4"
 Hole Size 7 7/8"
 Core Hole Size --
 DP Size & Wt. 4 1/2" 16.60
 Wt. Pipe None
 I.D. of DC 2 1/4"
 Length of DC 421'
 Total Depth 5230'
 Type Test Conventional
 Interval 5210' - 5230'

Mud Type --
 Weight 9.7
 Viscosity 75
 Water Loss --
 Filter Cake --
 Resistivity -- @ -- °F
-- Ppm. NaCl
 B.H.T. 138 °F
 Co. Rep. Mike Webster
 Tester Darrell Suter

REPORTED CORRECTED

Opened Tool @ -- hrs.
 Flow No. 1 -- min.
 Shut-In No. 1 -- min.
 Flow No. 2 -- min.
 Shut-In No. 2 -- min.
 Flow No. 3 -- min.
 Shut-In No. 3 -- min.

Recorder Type Kuster AK-1
 No. 13483 Cap. 7150 psi
 Depth -- feet
 Inside Clock
 Outside Range -- hrs.

Initial Hydrostatic A --
 Final Hydrostatic K --
 Initial Flow B --
 Final Initial Flow C --
 Initial Shut-In D --
 Second Initial Flow E --
 Second Final Flow F --
 Second Shut-In G --
 Third Initial Flow H --
 Third Final Flow I --
 Third Shut-In J --

Pipe Recovery:

Remarks:

Could not reach test interval due to hole conditions.
 No data was obtained.

**** MISRUN ****

Operator WINFIELD EXPLORATION
 Ticket No. 1782
 Date 3/9/86
 Well Name & No. Buchleiter #1
 Location NE/NE S-8 T-9N R-54W
 County, State Logan, Colorado
 DST No. 1
 Interval 5210' - 5230'
 Formation "J" Sand

LIBERTY TESTERS, INC.

P.O. Box 1454
Sterling, CO 80751

Contractor Allison Drilling
 Rig No. 2
 Spot NE/NE
 Sec. 8
 Twp. 9 N
 Rng. 54 W
 Field Wildcat
 County Logan
 State Colorado
 Elevation 4267' KB
 Formation "J" Sand #1

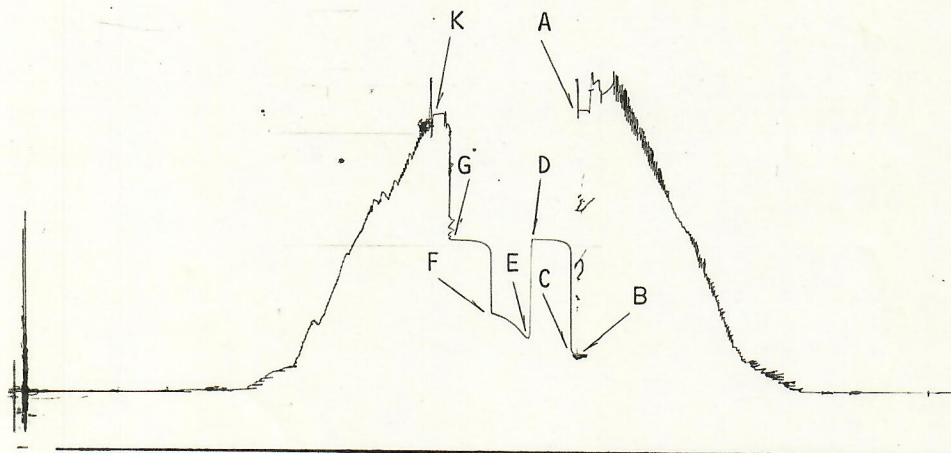
Surface Choke 3/8"
 Bottom Choke 3/4"
 Hole Size 7 7/8"
 Core Hole Size --
 DP Size & Wt. 4 1/2" XH 16.60
 Wt. Pipe None
 I.D. of DC 2 1/4"
 Length of DC 421'
 Total Depth 5569'
 Type Test Straddle
 Interval 5203' - 5221'

Mud Type --
 Weight 9.9
 Viscosity 120
 Water Loss --
 Filter Cake --
 Resistivity 3.0 @ 60 °F
2,111 Ppm. NaCl
 B.H.T. 140 °F
 Co. Rep. Mike Webster
 Tester Darrell Suter

	REPORTED	CORRECTED
Opened Tool @	05:30	hrs.
Flow No. 1	5	5 min.
Shut-In No. 1	30	28 min.
Flow No. 2	30	29 min.
Shut-In No. 2	30	30 min.
Flow No. 3	None Taken	min.
Shut-In No. 3	"	" min.

Recorder Type Kuster AK-1
 No. 11082 Cap. 7200 psi
 Depth 5185 feet
 Inside X Clock
 Outside Range 12 hrs.

Initial Hydrostatic	A	2565.7
Final Hydrostatic	K	2524.5
Initial Flow	B	338.3
Final Initial Flow	C	394.4
Initial Shut-In	D	1387.6
Second Initial Flow	E	501.6
Second Final Flow	F	724.0
Second Shut-In	G	1377.4
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery:

390' Total fluid = 1.91 bbl., Consisting of:
 180' Oil = 0.88 bbl. (gravity: 37.0°API @ 60°F)
 30' Oil cut mud = 0.15 bbl.
 180' Muddy water = 0.88 bbl.

Resistivity:
 Bottom:

2.38 @ 62°F - 1.12 @ Res Temp = 2,612 ppm NaCl., 1,588 ppm Cl.

1st Flow:

Tool opened with a strong blow, increased to 80.0 psi at end of flow period with gas to surface.

2nd Flow:

Tool opened with a strong gas blow, see gas volume report.

Date

3/11/86

Ticket No.

1784

Operator

WINFIELD EXPLORATION

Well Name & No.

Buchleiter #1

Location

NE/NE S-8 T-9N R-54W

County, State

Logan, Colorado

Formation

"J" Sand #1

DST No.

2

Interval

5203' - 5221'

LIBERTY TESTERS, INC.

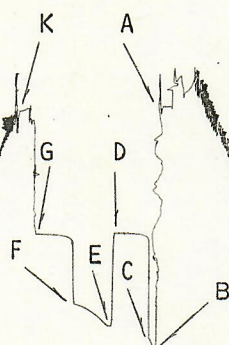
Winfield Exploration
Operator

Buchleiter #1
Well Name and No.

2
DST No.

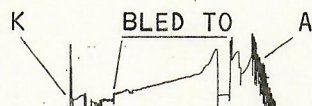
Recorder Type Kuster AK-1
No. 13483 Cap. 7175 psi
Depth 5190 feet
Inside X Clock
Outside Range 12 hrs.

Initial Hydrostatic A 2570.4
Final Hydrostatic K 2526.7
Initial Flow B 336.0
Final Initial Flow C 424.9
Initial Shut-In D 1399.0
Second Initial Flow E 541.9
Second Final Flow F 745.6
Second Shut-In G 1390.8
Third Initial Flow H
Third Final Flow I
Third Shut-In J



Recorder Type Kuster AK-1
No. 11034 Cap. 5175 psi
Depth 5229 feet
Inside Clock
Outside X Range 12 hrs.

Initial Hydrostatic A 2599.5
Final Hydrostatic K 2580.2
Initial Flow B
Final Initial Flow C
Initial Shut-In D
Second Initial Flow E
Second Final Flow F
Second Shut-In G
Third Initial Flow H
Third Final Flow I
Third Shut-In J



Bled to: 2556.8

LIBERTY TESTERS, INC.

SAMPLER REPORT

Company Winfield Exploration Date 3/11/86
Well Name & No. Buchleiter #1 Ticket No. 1784
County Logan State Colorado
Test Interval 5203' - 5221' DST No. 2

Pressure in Sampler: 600 psig

Total Volume of Sampler: 2000 cc.

Total Volume of Sample: 50 cc.

Oil: -- cc.

Water: None cc.

Mud: 50 (oil cut mud) cc.

Gas: 3.19 cu. ft.

Other: None

Resistivity

Make Up Water _____ @ _____ °F of Chloride Content _____ ppm.

Mud Pit Sample 3.0 @ 60 °F of Chloride Content 2,111 ppm.

Gas/Oil Ratio _____ Gravity 37.0 °API @ 60 °F

Where was sample drained On location.

Remarks: _____

Operator

Well Name and No.

DST No.

[illegible]

LIBERTY TESTERS, INC.

Winfield Exploration
Operator

Buchleiter #1
Well Name and No.

2
DST No.

RECORDER NO. 11082 DEPTH 5185 FT.

INITIAL FLOW

DT(MIN) PRESSURE(PSIG)

0	338.3
5	394.4

RECORDER NO. 11082 DEPTH 5185 FT.

FINAL FLOW

DT(MIN) PRESSURE(PSIG)

0	501.6
5	534.5
10	599.0
15	650.2
20	684.5
25	710.2
29	724.0

LIBERTY TESTERS, INC.

Winfield Exploration

Operator

Buchleiter #1

Well Name and No.

2

DST No.

RECORDER NO. 11082 DEPTH 5185 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 5 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)	DP(P SIG)
0		394.4	0.0
1	.778	1336.6	942.2
2	.544	1347.7	953.3
3	.426	1356.4	961.9
4	.352	1362.5	968.1
5	.301	1366.1	971.7
6	.263	1369.6	975.2
7	.234	1372.8	978.4
8	.211	1376.2	981.8
9	.192	1377.4	983.0
10	.176	1379.9	985.5
12	.151	1383.0	988.6
14	.133	1385.2	990.8
16	.118	1385.2	990.8
18	.106	1385.3	990.9
20	.097	1387.3	992.9
22	.089	1387.4	993.0
24	.082	1387.4	993.0
26	.076	1387.5	993.1
28	.071	1387.6	993.2

EXTRAPOLATED PRESSURE: 1392.1 PSI

SLOPE: 56.8 PSI/LOG CYCLE

POINTS USED: 9

LIBERTY TESTERS, INC.

Winfield Exploration
Operator

Buchleiter #1
Well Name and No.

2
DST No.

RECORDER NO. 11082 DEPTH 5185 FT.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 34 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		724.0	0.0
1	1.544	1300.8	576.8
2	1.255	1319.1	595.1
3	1.091	1331.0	607.0
4	.978	1340.7	616.7
5	.892	1347.1	623.1
6	.824	1353.4	629.4
7	.768	1357.8	633.8
8	.720	1362.1	638.1
9	.679	1365.5	641.5
10	.643	1366.2	642.2
12	.584	1369.2	645.3
14	.535	1371.9	648.0
16	.495	1374.5	650.5
18	.461	1376.1	652.1
20	.431	1377.1	653.1
22	.406	1377.1	653.1
24	.383	1377.2	653.2
26	.363	1377.3	653.3
28	.345	1377.3	653.4
30	.329	1377.4	653.4

EXTRAPOLATED PRESSURE: 1382.7 PSI
SLOPE: 14.9 PSI/LOG CYCLE
POINTS USED: 8

