

Phone
(303) 522-2050



00241525

e-Hi Testers, Inc.

Box 453
Sterling, CO 80751

Contractor Toltek Drilling Co.
Rig No. 4
Spot SE-SE
Sec. 8
Twp. 9 N
Rng. 55 W
Field Wildcat
County Logan
State Colorado
Elevation 4406'K.B. 4396' GR.

Surface Choke 1"
Bottom Choke 3/4"
Hole Size 7 7/8"
Rat Hole Size --
DP Size & Weight 4 1/2" XH 16.60
Wt. Pipe --
I.D. of DC 2 1/4"
Length of DC 590'
Total Depth 5670' (log)
Type of Test Conventional

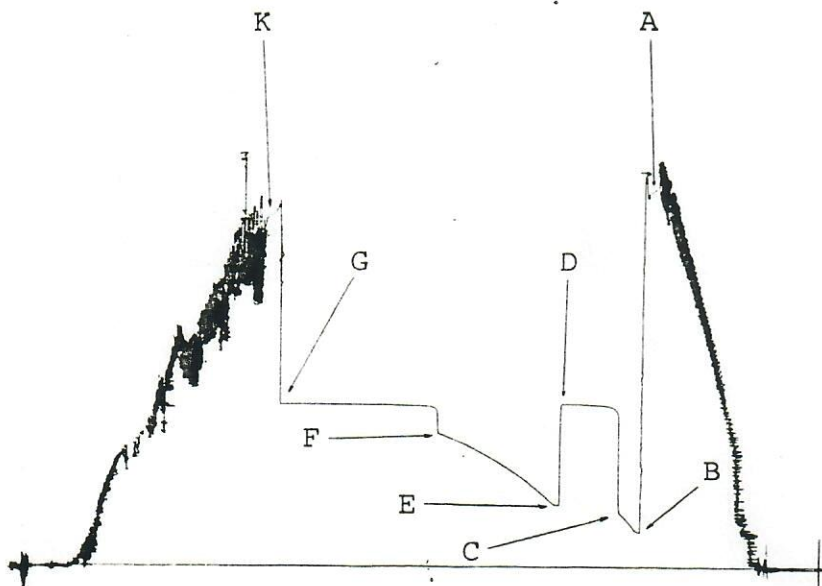
Mud Type Gel-Chemical
Weight 9.9
Viscosity 85
Water Loss --
Filter Cake --
Resistivity 3.1 @ 80 of
1,650 Ppm. NaCl
Bottom
Hole Temp. 161°F

Opened Tool @ 19:58 hrs.
Flow No. 1 (15) 15* min.
Shut-in No. 1 (45) 43* min.
Flow No. 2 (90) 91* min.
Shut-in No. 2 (120) 119* min.
Flow No. 3 None Taken min.
Shut-in No. 3 " " min.

*Corrected

Recorder Type Kuster AK-1
No. 13356 Cap. 6225 psi
Depth 5632 feet
Inside [X] Outside []

Initial Hydrostatic	A	3000
Final Hydrostatic	K	2796
Initial Flow	B	289
Final Initial Flow	C	444
Initial Shut-in	D	1322
Second Initial Flow	E	508
Second Final Flow	F	1079
Second Shut-in	G	1319
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Pipe Recovery:

2440' Total fluid = 29.16 bbl.

240' Slightly gas cut muddy water = 3.41 bbl.

2200' Very slightly gas cut water = 25.75 bbl.

Co. Rep. Bob Kirkham

Tester Duane Custer

Jeff Rittenhouse

Top sample RW - 2.8 @ 75°F = 1850 ppm. NaCl.

Middle sample RW - 1.8 @ 80°F = 2800 ppm. NaCl.

Bottom sample RW - 1.6 @ 80°F = 3200 ppm. NaCl.

Surface blow:

1st flow:

Tool opened with a fair blow, increased to the bottom of bucket in 2 minutes and remained through flow period.

2dn flow:

Tool opened with a good blow, increased to the bottom of bucket in 6 minutes; after 70 minutes blow slowly decreased to 7" at end of flow period.

Operator K & E Petroleum, Inc.
Address 730 17th St., Suite 801
Denver, Colorado 80202

Well Name & No. Miller #1 USA
Formation J-Sand
Test Interval 5619' - 5670'

DST No. 1
Ticket No. 390
Date 11/4/81

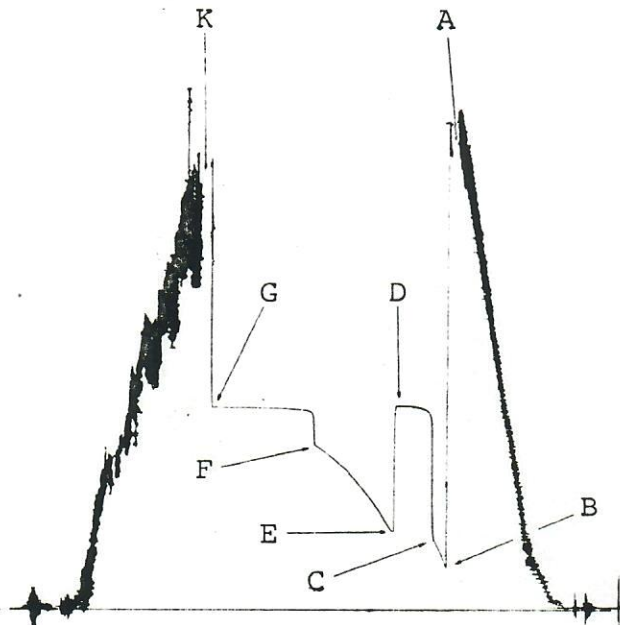
8-9N-55W

Mile-Hi Testers, Inc.

K & E Petroleum, Inc.
Operator

Miller #1 USA
Well Name and No.

1
DST No.



Inside Recorder

PRD Make Kuster AK-1

No. 11038 Cap. 5075 @ 5637'

	Press	Corrected
Initial Hydrostatic	A	3010
Final Hydrostatic	K	2809
Initial Flow	B	267
Final Initial Flow	C	451
Initial Shut-in	D	1333
Second Initial Flow	E	508
Second Final Flow	F	1079
Second Shut-in	G	1326
Third Initial Flow	H	---
Third Final Flow	I	---
Third Shut-in	J	---

PRD Make _____

No. _____ Cap. _____ @ _____

	Press	Corrected
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	

Mile-Hi Testers, Inc.

K & E Petroleum, Inc.
Operator

Miller #1 USA
Well Name and No.

1
DST No.

INCREMENTAL READING DATA

Recorder No. 13356 @ 5632'

INITIAL SHUT-IN

Initial flow time, $t = 15$ min

θ (min)	$\log \frac{t + \theta}{\theta}$	Pressure (psi)
0		444
3	.778	1279
6	.544	1294
9	.426	1302
12	.352	1307
15	.301	1311
18	.263	1313
21	.234	1315
24	.211	1317
27	.192	1318
30	.176	1319
33	.163	1320
36	.151	1321
39	.141	1321
42	.133	1322
43	.130	1322

Points Used: 11
Extrapolated Pressure: 1331 psi

FINAL SHUT-IN

Total flow time, $t = 106$ min

θ (min)	$\log \frac{t + \theta}{\theta}$	Pressure (psi)
0		1079
8	1.154	1299
16	.882	1305
24	.734	1308
32	.635	1311
40	.562	1313
48	.506	1314
56	.461	1315
64	.424	1316
72	.393	1317
80	.366	1318
88	.343	1318
96	.323	1318
104	.305	1319
112	.289	1319
119	.277	1319

Points Used: 12
Extrapolated Pressure: 1326 psi
Slope: 23 psi/log cycle

8-90-650

Mile-Hi Testers, Inc.

Sampler Report

Company K & E Petroleum, Inc. Date 11/4/81
Well Name & No. Miller #1 USA Ticket No. 390
County Logan State Colorado
Test Interval 5619'-5670' DST No. 1

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 1900 cc.

Pressure in Sampler: 120 psig

Oil: None cc.

Water: 1900 cc.

Mud: None cc.

Gas: Trace cu. ft.

Other: None

Sample R W - 1.6 @ 80° F = 3200 ppm. NaCl.

Resistivity

Make Up Water 6.0 @ 75° F of Chloride Content 800 ppm.

Mud Pit Sample 3.1 @ 80° F of Chloride Content 1650 ppm.

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

Where was sample drained On location

Remarks: _____

