Phone
(303) 522-2050

Mile-Hi Testers, In

Box 453
·ling, CO 80751

00264433

Operator Tipperary Oil & Gas Corp.
Address 1675 Broadway, Suite 2530
Denver, Colorado 80202

Well Name & No. Davis #1
Formation "R" Sand
Test Interval 5270'- 5288'

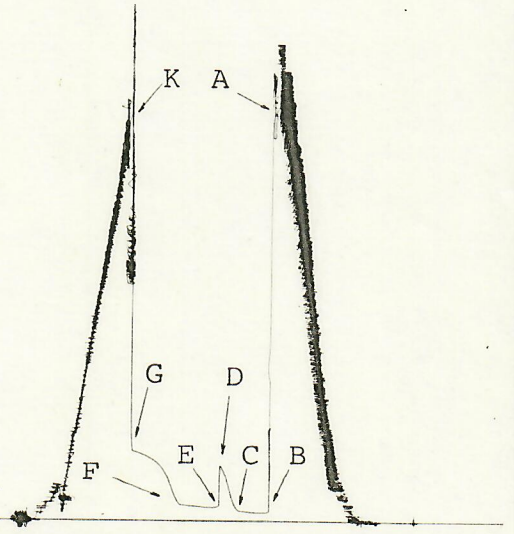
DST No. 2
Ticket No. 193
Date 10/28/80

Contractor	Allison Drlg. Co.
Rig No.	3
Spot	NE-NE
Sec.	29
Twp.	9 N
Rng.	53 W
Field	East Mt. Hope
County	Logan
State	Colorado
Elevation	4206' K.B.

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 1/2"
Length of DC	437'
Total Depth	5288' (driller)
Type of Test	Conventional

Mud Type	Gel-Chemical
Weight	9.8
Viscosity	70
Water Loss	7.2
Filter Cake	2/32
Resistivity	2.0 @ 70 °F
	2800 Ppm. NaCl
Bottom Hole Temp.	142° F

Opened Tool @		06:38 hrs.
Flow No.	1	45 min.
Shut-in No.	1	30 min.
Flow No.	2	60 min.
Shut-in No.	2	60 min.
Flow No.	3	None min.
Shut-in No.	3	" min.



Recorder Type Kuster AK-1
No. 11039 Cap. 5150 psi
Depth 5285 feet
Inside [X] Outside [ ]

Initial Hydrostatic	A	2732
Final Hydrostatic	K	2680
Initial Flow	B	68
Final Initial Flow	C	70
Initial Shut-in	D	385
Second Initial Flow	E	102
Second Final Flow	F	112
Second Shut-in	G	483
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Co. Rep. Melody Ulen
Tester Duane Custer

Pipe Recovery: 180' Total fluid
100' Heavy black oil = 0.61 bbl.
80' Slightly water & oil cut mud = 0.49 bbl.

Bottom sample R W - 1.8 @ 70° F = 3200 ppm. NaCl.

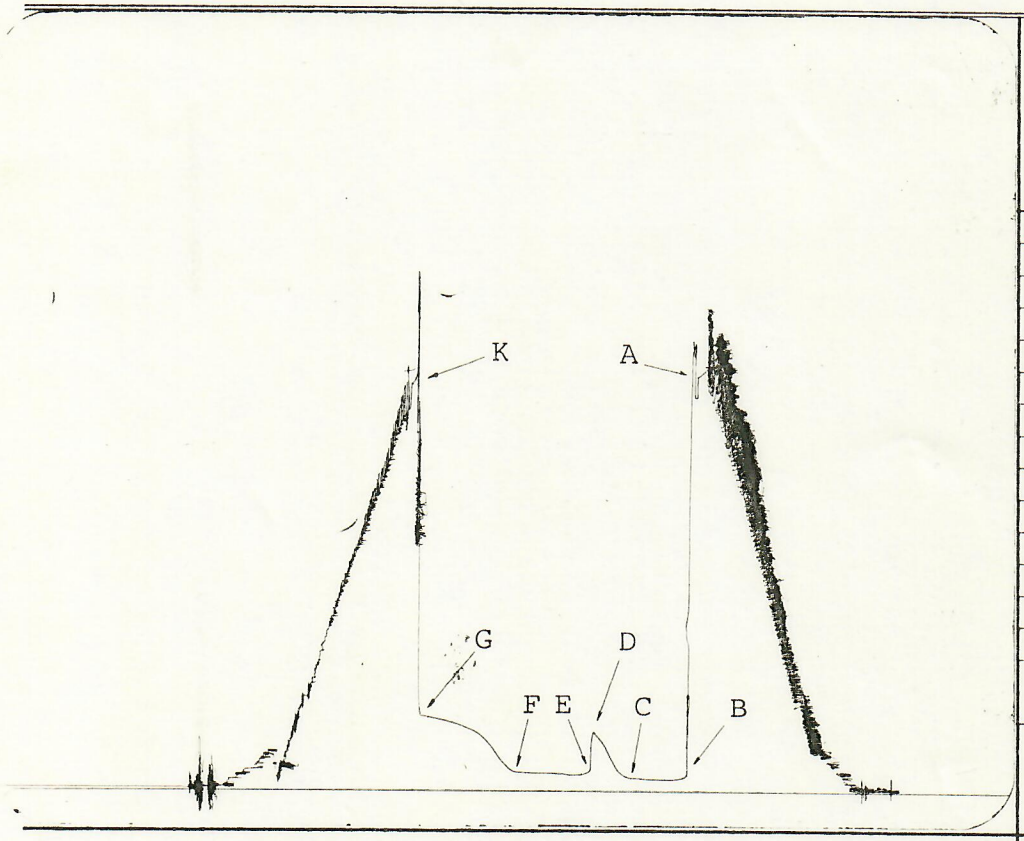
Surface blow:

1st flow: Tool opened with a very weak blow, increased to a 1/2" blow; began to decrease after 18 minutes, died at end of flow period.

2nd flow: Tool opened with a very weak blow, died in 51 minutes and remained through flow period.

Mile-Hi Testers, Inc.

Tipperary Oil & Gas Corp. (Operator) | Davis #1 (Well Name and No.) | 2 (DST No.)



Inside Recorder

PRD Make Kuster AK-1

No. 11038 Cap. 5075 @ 5280'

Press		Corrected
Initial Hydrostatic	A	2710
Final Hydrostatic	K	2660
Initial Flow	B	71
Final Initial Flow	C	66
Initial Shut-in	D	375
Second Initial Flow	E	95
Second Final Flow	F	105
Second Shut-in	G	472
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	

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Tipperary Oil & Gas Corp.	Davis #1	2
Operator	Well Name and No.	DST No.

INCREMENTAL READING DATA

Recorder No. 11039 @ 5285'

Initial Shut-in (t = 45 min)

θ (min)	$\log \frac{t+\theta}{\theta}$	Pressure (psi)
0		70
2	1.371	73
4	1.088	81
6	.929	91
8	.821	106
10	.743	126
12	.677	154
14	.625	183
16	.581	218
18	.544	255
20	.512	288
22	.484	317
24	.459	341
26	.436	361
28	.416	374
30	.398	385

Extrapolated Pressure: Indeterminate *

Final Shut-in (t = 105 min)

θ (min)	$\log \frac{t+\theta}{\theta}$	Pressure (psi)
0		112
4	1.435	132
8	1.150	177
12	.989	234
16	.879	291
20	.796	338
24	.730	371
28	.677	396
32	.632	414
36	.593	428
40	.559	440
44	.530	451
48	.503	461
52	.480	470
56	.459	477
60	.439	483

Points Used: 8

Extrapolated Pressure: 632 psi

Slope: 363 psi/log cycle

* The Initial Shut-in pressure build-up curve has insufficient character to permit the use of a Horner plot to determine a reliable extrapolated shut-in pressure.

Mile-Hi Testers, Inc.

Sampler Report

Company: Tipperary Oil & Gas Corp. Date: 10/28/80

Well Name & No.: Davis #1 Ticket No.: 193

County: Logan State: Colorado

Test Interval: 5270'- 5288' DST No.: 2

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 1150 cc.

Pressure in Sampler: 0 psig

Oil: -- cc.

Water: 1150 (oil stained) cc.

Mud: None cc.

Gas: None cu. ft.

Other: None

Resistivity

Make Up Water 1.8 @ 110° F of Chloride Content 3000 ppm.

Mud Pit Sample 2.0 @ 70° F of Chloride Content 2800 ppm.

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

Where was sample drained On location.

Remarks: