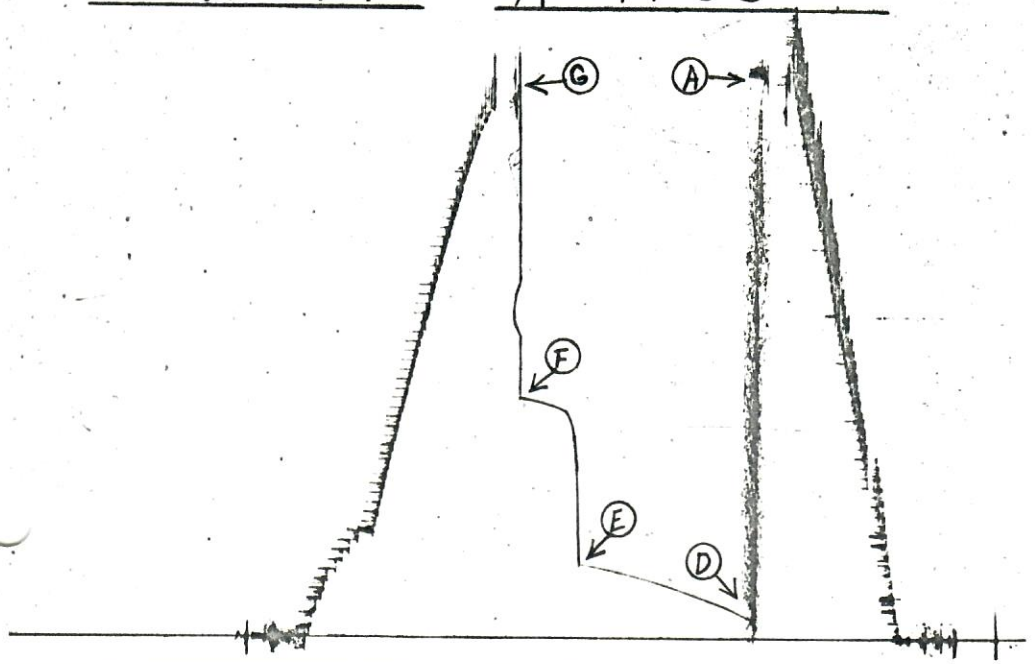
PHONE 522-1206 AREA 303 **VIRG'S TESTERS, INC.** BOX 712 STERLING, COLORADO

T# 7617 R# 1105



Company Operating Well: Buttes Gas & Oil Co.

Address: See Slip

Contractor and Rig No.: Murfin Drlg. Co. Rig # 4/8

Well Name and No.: J. Nicklas # 2

County	State
Weld	Colorado

Sec.	Twnp.	Rng.
24	9 N	56 W

Ticket	DST No.	Tester
7617	1	Rittenhouse

Date of Test and Formation Tested: 9-2-65 "D" Sand

		Field Pressure	Corrected Pressure
Initial Hydrostatic:	A	3074	3078
Final Hydrostatic:	G	3063	3057
Initial Flow:	D	98	113
Final Flow:	E	404	410
Initial Shut-in:			
Final Shut-in:	F	1306	1316
Pressure below bottom packer bled to:			

RESULTS No. Final Copies 12

Total Depth 5619 Interval Tested **5588** to **5619**

Tool open none Min. before Initial Shut-in none Min.

Tool open 90 Min. Total Final Shut-in 30 Min.

Tool open @ 4:45 p. M. Mud Wt. 9.8 Viscosity 70

Did well flow Gas? Yes Oil? No Water? No

Was blow measured? No, was to small to measure.

Top Choke 1" Bottom Choke 9/16" Size and Wt. D.P. 4½" 16.60

Recorder No. 1105 Run at 5610 I.D. & Length of D.C.s 2 3/4" 88'

Was this a straddle test? No Witnessed by: Roland Young

Recovery in Pipe 1125' total fluid. 90' clean oil - 180' heavily mud & gas cut oil (50% mud) and 855' water.

REMARKS: Tool opened with fair blow then built to strong blow in 2 minutes. Slight decrease after 30 minutes. Gas to surface in 41 minutes but was to small to measure. BHT 174°.

Test Conclusive.

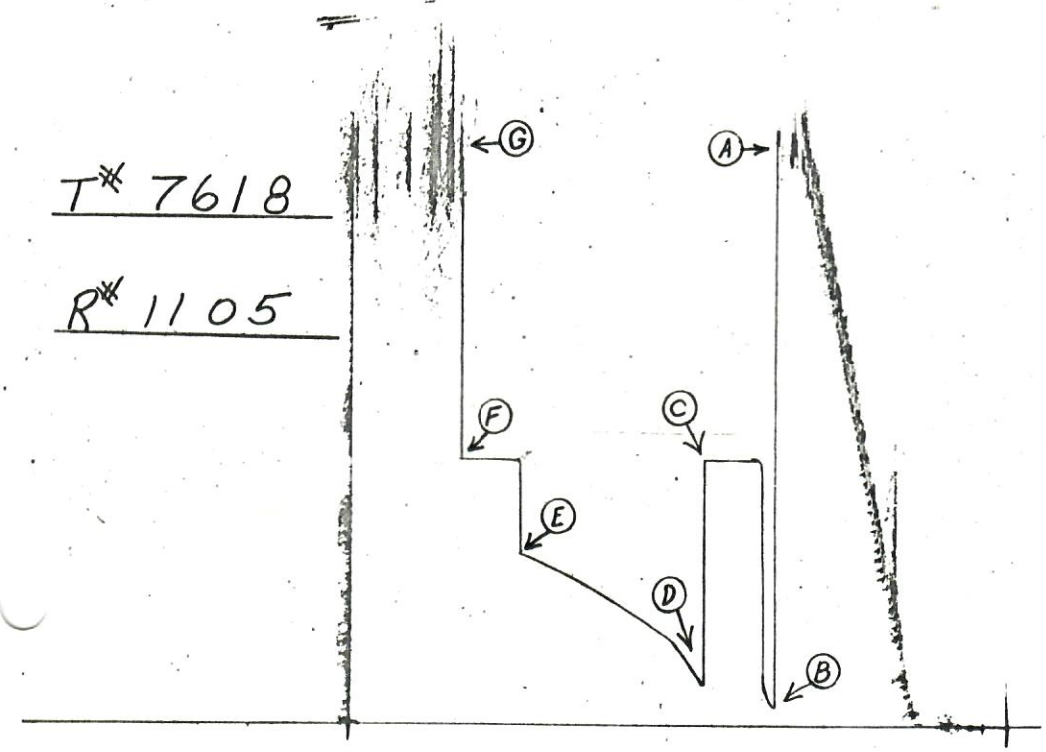
Note: adjust test depths 5' down hole to agree with log depths.

[redacted]

PHONE 522-1206 AREA 303 **VIRG'S TESTERS, INC.** BOX 712 STERLING, COLORADO

T# 7618

R# 1105



Company Operating Well: Buttes Gas & Oil Co.

Address: See Slip

Contractor and Rig No.: Murfin Drlg. Co. Rig # 4

Well Name and No.: J. Nicklas # 2

County: Weld State: Colorado

Sec.: 24 Twnp.: 9 N Rng.: 56 W

Ticket: 7618 DST No.: 2 Tester: Rittenhouse

Date of Test and Formation Tested: 9-4-65 "J" Sand

		Field Pressure	Corrected Pressure
Initial Hydrostatic:	A	3194	3198
Final Hydrostatic:	G	3183	3176
Pre-Flow Initial Flow:	B D	76	102 222
Final Flow:	E	926	938
Initial Shut-in:	C	1459	1465
Final Shut-in:	F	1459	1462
Pressure below bottom packer bled to:		2700	2650

RESULTS

No. Final Copies 12

Total Depth 5754 Interval Tested 5696 to 5706

Tool open 5 Min. before Initial Shut-in 30 Min.

Tool open 93 Min. Total Final Shut-in 30 Min.

Tool open @ 7:35 p. M. Mud Wt. 9.9 Viscosity 75

Did well flow Gas? No Oil? No Water? No

Was blow measured? No

Top Choke 1" Bottom Choke 9/16" Size and Wt. D.P. 4½" FH

Recorder No. 1105 Run at 5711 I.D. & Length of D.C.s 2 3/4" 88'

Was this a straddle test? Yes Witnessed by: Roland Young

Recovery in Pipe 2150' water.

REMARKS: Tool opened with weak blow. Built to strong blow in 6 minutes then decreased after 45 minutes. Good blow at end of test. BHT 174°. Packers slipped approx. 10" during test.

Test Conclusive.

[redacted]

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Company	BUTTES OIL & GAS COMPANY	Formation	"D" SAND	Page	of
Well	NO. 2 NICKLAS	Cores	DIAMOND	File	RP-2-3427
Field	WILDCAT	Drilling Fluid	WBM	Date Report	9/2/65
County	WELD State COLORADO	Elevation	4429 KB est.	Analysts	PARKER
Location	NW NE 24-9N-56W	Remarks	CONVENTIONAL ANALYSIS		

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS HORIZONTAL	PERMEABILITY MILLIDARCYS VERTICAL	POROSITY PERCENT	RESIDUAL SATURATION % VOLUME OR % PORE	TOTAL WATER % PORE	PROBABLE PRODUCTION	REMARKS
1	5585-86	2.1	0.6	8.2	6.1	26.8		ss,fg
2	88-89	140	109	13.4	11.2	35.1		ss,fg. VERTICAL FRACTURE
3	89-90	209	182	12.5	12.0	27.2		ss,fg
4	5590-91	38	14	12.0	7.5	36.8		ss,fg

NOTE: to agree w/ log, adjust 5' down hole.

BEST IMAGE AVAILABLE

PRELIMINARY COPY

NOTE:
* REFER TO ATTACHED LETTER
INCOMPLETE CORE RECOVERY; INTERPRETATION RESERVED