



COLORADO CONSERVATION COMMISSION
 RAILROAD COMMISSION OF TEXAS
 OIL AND GAS DIVISION
 MULTI-POINT BACK PRESSURE TEST
 FOR GAS WELL

RECEIVED
 JUN 27 1962

FORM NO. 1000

Company Henry Frost Oil Property, Ltd. Lease CONSERVATION COMMISSION Well No. 1
 New Well X Retest _____ Date of Test June 13, 19 62
 Field Unnamed Topeka Formation County Baca, Colorado Acres 640
 Sec. 15 33 S 43 W Loc. _____ Conn. None
 Casing 2-7/8 Wt. 6.5 I.D. _____ Set at 3238 Perf. 3148 To 3158
 Liner _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Tubing _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Gas Pay From 3148 To 3158 L 3153 G .770 GL 2428 Barometric 14.4
 e^s 1.184 F_d 6.376 Well Shut In 72 Hours Before Test
 Size of Prover 2" Size of Meter Run _____ Type of Connection _____

REMARKS: Elevation 3931 G.L. T.D. 5500

OBSERVED DATA

RUN NO.	SIZE METER RUN OR PROVER ORIFICE	METER PRESSURES			FLOW TEMP	WELLHEAD		DURATION OF FLOW IN HOURS
		STATIC Psig	Pm Psia	DIFFERENTIAL Inches-Roots		WP Psig	Pw Psia	
1	1/8				68	401.9	416.3	
2	3/16				68	392.6	407.0	
3	1/4				68	375.4	389.8	
4	5/16				68	355.7	370.1	

FLOW CALCULATIONS

RUN NO.	COEFF. "C" (24 HR.)	WORKING PRESSURE ON PROVER			FLOW TEMP. FACTOR F _{tf}	GRAVITY FACTOR F _g	FLOW RATE Q=M ² cf/d @ 14.65
		h _w P _m Name	h _w P _m Initial	To			
1	.3499	CEC			.9924	.8827	128
2	.8035	NBC			.9924	.8827	287
3	1.4360	NWB			.9924	.8827	491
4	2.2080	GWK			.9924	.8827	716
5		WCL					

PRESSURE CALCULATIONS

S.I.P. 407.0 Psig
 Bar. 14.4
 P_c 421.4 Psia P_c^2 177.58 x e^s 1.184 = P_f^2 210.25
 (All Squared Pressures In Thousands)

RUN NO.	P_w^2	$e^s P_w^2$	$F_d Q$	F^2	R^2	P_s^2	$P_f^2 - P_s^2$
1	173.31	205.20	.82	.68	.13	205.33	4.92
2	165.65	196.13	1.83	3.22	.59	196.72	13.53
3	151.94	179.90	3.13	9.10	1.67	181.57	28.68
4	136.97	162.17	4.57	18.92	3.48	165.65	44.60

Slope of Curve: n = .767
 Angle of Curve: θ = 52.5
 Absolute Open Flow: 2,400 MCF/Day

R. R. COMMISSION: _____
 Company: *R.R. Paulsen*
 Pipe Line: _____
 Others: _____

AFFIDAVIT

STATE OF Texas

COUNTY OF Gray

BEFORE me, the undersigned authority, on this day personally appeared R. R. Jordan, known to me to be the person whose name is subscribed to this instrument, who, after being by me duly sworn on oath, states that he is employed by or associated with THURMOND-McGLOTHLIN in the capacity of Consultant; that this test was made by affiant or under the supervision of affiant; that this test was made according to the Rules and Regulations of the indicated Field as of this date; that the test data and factual data shown hereon are true and correct; and that no pertinent matter inquired about in said report has been omitted.

R. R. Jordan

Subscribed and Sworn to before me on this the 14 day of June 19 62

C. Helen Sams

C HELEN SAMs

Notary Public in and for

Gray County, Texas

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CO. 11 27. 201 25. 26. 27. 28. 201 28. 201
29. 201 30. 201 31. 32. 33. 34. 201 34. 201
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