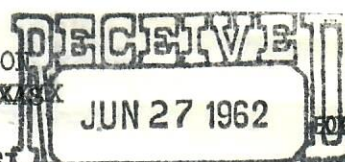




00640362

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



FORM NO. 1000

OIL & GAS

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 Twp. 33 S Rng. 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	P _m Psia	DIFFERENTIAL Inches-Roots		WP Psig	P _w 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	
5								

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	NAB			.9924	.8827	491
4	2.2080	GVK			.9924	.8827	716
5		WCL					

S.I.P. 407.0 Psig
Bar. 14.4
P_c 421.4 Psia
P_c 421.4 Psia P_c² 177.58 x e^s 1.184 = P_f² 210.25

PRESSURE CALCULATIONS

(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
5							

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

R. R. COMMISSION: _____
Company: _____
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