NEW .XICO OIL CONSERVATION COMMSSI(

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

...ved, O. C. C.

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 3/13/69	
Company: Dar...son Exploration Corp		Connection: none			
Pool: Undesignated House Blinebry		Formation: Blinebry		Unit	
Completion Date: 3/1/69	Total Depth: 7...31'	Plug Back TD: 63...0'	Elevation: 3...93 GR	Farm or Lease Name: Jones	
Csg. Size: 5 1/2" / Wt.: 15.5# / d: / Set At: 7...31'		Perforations: From 6070' To 6246'		Well No.: 1	
Tbg. Size: 2 3/8" / Wt.: 4.7 / d: / Set At: 6210'		Perforations: From none To		Unit: H / Sec.: 1 / Twp.: 2...S / Rge.: 38 E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: none		County: Lea	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 13.2 psia	State: New Mexico	

L	H	Esp. gr.	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.690				X		

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI			2029			2029		2130		72 hr. SI
1.	2"	1/16"	1832		62	1832	62	1960		3
2.	2"	3/32"	1538		6...	1538	6...	1679		3
3.	2"	1/8"	1190		67	1190	67	1335		3
4.	2"	3/16"	658		60	671	60	825		3
5.	2"	1/16"	1751		64	17...1	6...	1860		22

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m P_t	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	0.0827		1845.2	0.9931	0.932...	1.21...	172.7
2	0.1820		1551.2	0.9952	0.932...	1.203	31...2
3	0.3418		1203.2	0.9932	0.932...	1.162	342....
4	0.7851		671.2	1.00	0.9325	1.073	529.8
5	0.0827		1764.2	0.9962	0.952...	1.214	164.7

NO.	P_t	Temp. °R	T_r	Z
1	2.76	...22	1.3...	0.67...
2	2.32	...25	1.353	0.690
3	1.79	...27	1.36	0.74
4	1.003	520	1.34	0.86
5	2.64	...24	1.35	0.67

Gas Liquid Hydrocarbon Ratio: dry gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 669 P.S.I.A. P.S.I.A.
Critical Temperature: 338 R R

P_c 2042.2 P_c^2 4170.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	3404.7			765.9
2	2406.2			1764.4
3	1447.7			2722.9
4	450.5			3720.1
5	3112.4			1058.2

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 2.3637

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.5...

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 38...6

Absolute Open Flow: 58...6 Mcfd @ 15.025 | Angle of Slope θ: | Slope, n: 0.72

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Don K. Ormand	Don K. Ormand	