NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 4-14-77	
Company: Union Texas Petroleum		Connection:			
Pool: Blanco		Formation: Mesaverde		Unit:	
Completion Date: 4-7-77	Total Depth: 5601	Plug Back TD:		Elevation: GL-6394	Farm or Lease Name: Prichard Federal
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.5#	d: 6.456 / 4.052	Set At: 3310 / 5601	Perforations: 4904-5146 From 4647-4815 To 5246-5521	Well No.: 1-A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5529	Perforations: From Open To Ended	Unit: O; Sec.: 6; Twp.: 29N; Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: Est. 12 psi		State: New Mexico
L: .	H:	Gg: Est. .650	% CO_2:	% N_2:	% H_2S: Prover: Meter Run: Taps:

FLOW DATA NO.	Line Size	x Choke Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	Temp. °F	CASING DATA Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days					638		647		
1.	2"	.750				273	60°	583	60°	3-hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		285	1.0000	.9608	1.028	3481
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

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

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P_c 659 P_c^2 434281

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		595	354025	80256
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.4112$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.5479$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 12,350$

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Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: 4½"10.5# liner set from 3310 to 5601.
At 6 minutes-heavy surge of oil followed by surge of water. Produced condensate and trace of water throughout test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Joe F. Elledge	Joe F. Elledge	Mr. Don Wells