

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-29-78	
Company Great Western Drilling Co.				Connection El Paso Natural Gas Co.		
Pool Astec				Formation Pictured Cliffs		Unit
Completion Date		Total Depth 3352		Plug Back TD 3300	Elevation 6503' GL	Farm or Lease Name J. E. Decker
Csg. Size 2.875	Wt. 6.5	d 2.347	Set At 3365	Perforations: From 3082 To 3137		Well No. 4
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit L Sec. 7 Twp. 32N Rge. 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County San Juan
Producing Thru Casing		Reservoir Temp. °F 140° 2660'		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
State New Mexico						
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI									1090		13 days
1.	2.0	0.125				27			1033		2 hours
2.	2.0	0.1875				34			940		2 hours
3.	2.0	0.21875				32			861		2 hours
4.	2.0	0.250				31			777		2 hours
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	0.2648			1.033	1.240	1.151	376
2	0.6082			1.026	1.240	1.116	761
3	0.8393			1.028	1.240	1.114	952
4	1.087			1.029	1.240	1.103	1097
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$	
1						
2						
3						
4						
5						

Absolute Open Flow 1634 1633.6 Mcfd @ 15.025	Angle of Slope 60.75°	Slope, n 0.5601
Remarks:		
Approved By Commission:	Conducted By:	Checked By:
	D. E. BAXTER	