

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 3/14/78				
Company Western Oil & Minerals, Ltd.					Connection				
Pool Largo					Formation Chacra		Unit		
Completion Date 2/25/78		Total Depth 4080		Plug Back TD 4042		Elevation 6664 KB		Farm or Lease Name Snodgrass	
Csq. Size 4 1/2	Wt. 10.50	d	Set At 4075	Perforations: From 3880 To 4019		Well No. 1			
Tbg. Size 1 1/4	Wt.	d	Set At 4000	Perforations: From To		Unit K	Sec. 24	Twp. 27	Rge. 8
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% 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	
1.	750 T.C. Choke		10				957	58	957	58	3 hrs-40 min.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure X _m Pt	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		22	1.0019	.9608		262
2.							
3.							
4.							
5.							

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

P _c 969	P _c ² 938,961		
NO.	P _t ²	P _w	P _w ²
1	484	277	76,729
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0890$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 279$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0660$

Absolute Open Flow	279	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By: <i>Sam Smith</i>	Calculated By: <i>Sam Smith</i>	Checked By: