

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 8-20-80			
Company El Paso Exploration Company				Connection Northwest Pipeline Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-11-80		Total Depth 7640'		Plug Back TD 7623'		Elevation 6555 G.R.		Farm or Lease Name Jicarilla #152W	
Csg. Size 4.50"	Wt. 10.5#	d 4.052"	Set At 7640'	Perforations: From 7392 To 7598*				Well No. #6	
Tqg. Size 1.50"	Wt. 2.90#	d 1.610"	Set At 7591'	Perforations: From To				Unit Sec. Twp. Rge. E 5 26 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At N/A		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.670	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flg.	

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							1725		2297		9 Days
1.	4" X 2.50"						285		61	65	3 Hours
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	32.64	15.008	22	0.9952	1.222	1.000	596
2							
3							
4							
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

P_c 2309 P_c² 5,331,481

NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0168$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0126$
1	297	88,209	5,243,272		
2					
3					
4					
5					

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 604$

Absolute Open Flow	603	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n	0.75
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Remarks: Liquid - 1.0 Bbls Oil, 1.5 Bbls Water
Gas Vented - 135 MCF

Approved By Commission:	Conducted By: Know Hedgecoke	Calculated By: Bill Clark	Checked By:
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