

12-28-83 & 12-29-83 Cont'd Cmt'd w/ 250 sx (543 cu.ft) C1 "I
12-1/2# fine gils/sk & 0.4% retarder. Tailed in w/ 100 sx
C1 "B" w/ 1/4# fine-tuf-plug/sk & 0.4% retarder. Preceded
gel wtr. Plug displaced w/ 123 bbls wtr. Plug down @ 0647
Rig released at 0900 hrs 12-29-83.
12-30-83 Ran temp survey and found TOC @ 3100' KB.

NOW WAITING ON COMPLETION.



LTR



Job separation sheet

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 01/31/84		FEB 13 1984	
Company Northwest Pipeline Corporation				Connection New Completion		OIL CON. DIV. DIST. 3	
Pool Basin				Formation Dakota		Unit San Juan 31-6	
Completion Date 01-08-84		Total Depth 7977'		Plug Back TD 7950'		Elevation 6433'	
Farm or Lease Name San Juan 31-6 Unit							
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7977'	Perforations: From 7812' To 7830'		Well No. #40	
Tqg. Size 2.375	Wt. 4.7	d 1.995	Set At 7797'	Perforations: From To		Unit Sec. Twp. Rye. D 1 30 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico							
L	H	G _g Est. .590	% CO ₂	% N ₂	% H ₂ S	Positive Choke	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	SIP						2810		2800		
1.	2"	X	.750"			61°	78	61°	334	61°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		90	.999	1.302	1.006	1131
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _i	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
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 2822	P _c ² 7963684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0153$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0114$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		346	119716	7843968
2				
3				
4				
5				

Absolute Open Flow 1144		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Produced light mist during flow. Vented 180 MCF.

Approved By Commission:	Conducted By: Chik Charley	Calculated By: M.J. Turnbaugh	Checked By:
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SKI