

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 7/27/80			
Company Hill & Llewellyn				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date		Total Depth 7500		Plug Back TD 7492		Elevation		Farm or Lease Name Newsom A	
Csg. Size 4.500	Wt.	d	Set At 7492	Perforations: From 7237 To 7438		Well No. 4-E			
Tub. Size 1.990	Wt. 2.75	d 1.610	Set At 7188	Perforations: From To		Unit Sec. Twp. Rge. D-10-26N-8W			
Type Well - Single - Prodenhead - G.G. 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		State New Mexico	
L	H	Gg 670 est	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Days	

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	
51							1891		1926		7 days 3 Hrs.
1.			.750	36		96	966		1348		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mgd
1	12.3650		48	.9671	.9463		543
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

P _c 1938	P _w 3755844	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3529$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2544$
NO. 1	956484	990	979650
2			
3			
4			
5			

Absolute Open Flow 681		Mold @ 15.025	Angle of Slope a	Slope, n .75
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Remarks: Well made 6 1/4 inches of oil in three hours. 10 mds

Approved By: Commission	Conducted By: CRW	Calculated By: <i>CRW</i>	Checked By:
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