

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-177
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/22/80			
Company Hill & Llewellyn				Connection				
Pool Basin				Formation Dakota				Unit
Completion Date		Total Depth		Plug Back TD		Elevation		Form or Lease Name Newsom B
Coq. Size 5.500	Wt. 15.50	d 4.950	Set At 7005	Perforations: From 6660 To 6870			Well No. 14 E	
Thq. Size 1.900	Wt. 2.900	d 1.610	Set At 6597	Perforations: From OE To			Unit Sec. Twp. Rge. 9-26N-8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 6597			County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico
L	H	G _g est .675	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1556				Days
1.		.750		23		56					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	12.3650		35	1.0039	.9427	1.0000	410
2.							
3.							
4.							
5.							

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

P _c 1568 P _c ² 2458624					(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0057$		(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0042$	
NO.	P _r ²	P _w ²	P _r ²	P _c ² - P _w ²				
1	1225	118	13841	2444783				
2								
3								
4								
5								

Absolute Open Flow 412 Mcfd @ 15.025					Angle of Slope @		Slope, n .75	
Remarks: Unloaded surges of wster for 20 minutes th n blew a fog for remainder of test.								
Approved By Division			Conducted By:		Calculated By:		Checked By:	