

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 6-14-85

Company Amoco Production Company Connection

Pool Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area Formation Tubb Unit BDCDGU

Completion Date 5-08-81 Total Depth 2530' Plug Back TD 2424' Elevation 4610' G.L. Form or Lease Name

Csg. Size 5 1/2" Wt. 14# Set At 2530' Perforations: From 2057' To 2247' Well No. 1935 311F

Tbg. Size 2-3/3" Wt. 4.7# Set At 1902' Perforations: From To Unit F Soc. 31 Twp. 19 Rye. 35

Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Packer Set At 1872' County Union

Producing Thru Tubing Reservoir Temp. °F @ 2152' Mean Annual Temp. °F 50 Baro. Press. - P<sub>a</sub> 12.2 State New Mexico

L 2152' H 2152' G<sub>g</sub> 1,529 % CO<sub>2</sub> 100 % N<sub>2</sub> 0 % H<sub>2</sub>S 0 Prover Meter Run 4.0" Taps Flange

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.	
SI							324			
1.	4.026	x	1.875	216	24	58	228.2	50		
2.	"	"	"	239	24	58	251.2	"		24 hr.
3.	"	"	"	263	15	59	275.2	"		24 hr.
4.	"	"	"	289	7	59	301.2	"		24 hr.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							1239
2							1136
3							940
4							672
5							

NO.	P <sub>i</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.					0	
3.					1.529	XXXXXX
4.					1072	
5.					547	

A.P.I. Gravity of Liquid Hydrocarbons \_\_\_\_\_ Deg.  
 Specific Gravity Separator Gas \_\_\_\_\_  
 Specific Gravity Flowing Fluid \_\_\_\_\_  
 Critical Pressure \_\_\_\_\_ P.S.I.A.  
 Critical Temperature \_\_\_\_\_ R

P<sub>i</sub> 336.2 P<sub>w</sub> 113.03

NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>e</sub> <sup>2</sup>	P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1		228.2		60.955
2		251.2		49.929
3		275.2		37.295
4		301.2		22.309
5				

(1)  $\frac{P_e^2}{P_e^2 - P_w^2} = 1.854$  (2)  $\left[ \frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.457$

AGF = G  $\left[ \frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1806$

Absolute Open Flow 1806 Mcfd @ 15.025 Angle of Slope θ Slope, n .61

Remarks:

Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By: