

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 6-9-85	
Company Amoco Production Company				Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb	
Completion Date 4-29-81		Total Depth 2629'		Plug Back TD 2403'	
Elevation 4520' GL		Farm or Lease Name			
Csq. Size 5-1/2"	Wt. 14#	d	Set At 2622	Perforations: From 2085' To 2180'	
Well No. 1835 021J					
Tq. Size 2-3/8"	Wt. 4.7#	d	Set At 1924'	Perforations: From To	
Unit J		Sec. 2	Twp. 18	Rge. 35	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1894'	
Producing Thru Tubing		Reservoir Temp. °F @ 2172'		Mean Annual Temp. °F 50	
Baro. Press. - P _a 12.2		State New Mexico			
L 2172'	H 2172'	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							337				
1.	4.026 x 2.375			276	18	61	288.2	50			24 hr.
2.	4.026 x 2.375			288	13	61	300.2	"			24 hr.
3.	4.026 x 2.375			310	5	60	322.2	"			24 hr.
4.	4.026 x 2.375			328	2	54	340.2	"			24 hr.
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							1734
2							1493
3							985
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 _____ 1.529
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ 1072 P.S.I.A.
5.					Critical Temperature _____ 547 R

P _c 349.2	P _c ² 121.940	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.136$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.33$
NO.	P _t	P _w	P _w ²
1		288.2	38.831
2		300.2	31.821
3		322.2	18.128
4		340.2	6.205
5			

Absolute Open Flow 4040 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .74
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:

1835 0215

46 7200

K_Σ LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

ADF = 40%

Q = MCF

100

1.5

2

2.5

3

4

5

6

7

8

9

1000

1.5

2

2.5

3

4

5

6

7

8

9

10