

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				Unit BDCDGU	
Completion Date		Total Depth 2765'		Plug Back TD 2645'		Elevation 4680' G.L.		Farm or Lease Name	
Csq. Size 7"	Wt. 20#	d	Set At 2765'	Perforations: From 2123' To 2288'		Well No. 1835 061G			
Thq. Size 3 1/2"	Wt. 9.3#	d	Set At 2068'	Perforations: From To		Unit Soc. Twp. Hge. G 6 18 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2030'		County Union	
Producing Thru Tubing		Reservoir Temp. °F @ 2205'		Mean Annual Temp. °F 50		Baro. Press. - P _g 12.2		State New Mexico	
L 2205'	H 2205'	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.	
SI							317			
1.	4.026	X	2.75	222	38	57	234.2	50		
2.	"		"	244	25	58	256.2	"		
3.	"		"	264	15	58	276.2	"		
4.	"		"	289	6	55	301.2	"		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							3261
2							2801
3							2255
4							1468
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.	Specific Gravity Separator Gas 1.529	Specific Gravity Flowing Fluid X X X X X	Critical Pressure 1072 P.S.I.A.	Critical Temperature 547 R
1.										
2.										
3.										
4.										
5.										

P _r 329.2	P _w 108.24	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.02$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.66$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1		234.2		53.523	
2		256.2		42.734	
3		276.2		32.086	
4		301.2		17.651	
5					

$AOF \neq Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5419$			
Absolute Open Flow 5419 Mcfd @ 15.025		Angle of Slope θ	
		Slope, n .72	

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

1835 0616

46 7200

K·Σ LOGARITHMIC 2 x 2 CYCLES
KLUJTEL & ESSER CO. MADE IN U.S.A.

AOE = 5419

1000 1.5 2 2.5 3 4 5 6 7 8 9 10000 1.5 2 2.5 3 4 5 6 7 8 9 1

$$Q = MCF$$

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR AMOCO PRODUCTION COMPANY					ADDRESS P.O. Box 606, Clayton, NM 88415		
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE X	GASO PLNT	OIL RFY	OTHER*
NAME OF FACILITY BRAVO DOME SE COLL/COMPR FAC/PHASE II							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)				1000' FNL X 2625' FWL	SEC. 6	TWP. 18N	RGE. 35E
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK				8.6 miles southeast of Amistad, NM			
DATE AND HOUR OF OCCURRENCE 12-13-84 6:51 pm				DATE AND HOUR OF DISCOVERY 12-14-84 2:30 pm			
WAS IMMEDIATE NOTICE GIVEN?		YES X	NO	NOT RE-REQUIRED	IF YES, TO WHOM DAVID CATANAC		
BY WHOM J.S. MCELYA, ASST. ADM. ANALYST				DATE AND HOUR 12-19-84 10:35am			
TYPE OF FLUID LOST Carbon Dioxide Gas				QUANTITY OF LOSS 15008 MCF		VOLUME RECOVERED None	
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY			
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN** During purging and collection system line pack a 4" blowdown valve was inadvertently left open. As a result 9425 MCF was vented to the atmosphere on December 13 and 5583 MCF was vented to the atmosphere on December 14. total vent equals 15008 MCF. This volume was estimated not metered.							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** No cleanup was necessary.							
DESCRIPTION OF AREA	FARMING	GRAZING X	URBAN	OTHER*			
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET	DRY	SNOW
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC) ApX 22 degrees-Snowing							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED <i>John S. McElya</i>				TITLE Asst. Adm. Analyst		DATE 12-19-84	
*SPECIFY				**ATTACH ADDITIONAL SHEETS IF NECESSARY			

