NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 8-28-87

Company: Amoco Production Company	Connection:			
Pool: Bravo Dome	Formation: Tubb			Unit: BDCDGU
Completion Date: 11-15-83	Total Depth: 2800	Plug Back TD: 2700	Elevation: 4695	Farm or Lease Name:
Csg. Size: 7" / Wt.: 20# / d: 6.456 / Set At: 2800	Perforations: From 2422 To 2490			Well No.: 1835-161M
Tbg. Size: 3.5" / Wt.: 9.5# / d: 3.00 / Set At: 2374	Perforations: From To			Unit: M / Sec.: 16 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2343'			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.25	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
			100	0	0		4.0	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	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	Duration of Flow
SI						372				
1.	4.026	1.625	187	47	61	190	61	0		24 hr.
2.	4.026	1.625	201	38	61	203	61	0		24 hr.
3.	4.026	1.625	214	31	60	216	60	0		24 hr.
4.	4.026	1.625	244	15	60	246	60	0		24 hr.
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							1074
2.							1001
3.							929
4.							713
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas 1.529 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 1072 P.S.I.A. ____ P.S.I.A.
Critical Temperature 496 R ____ R

P_c 384.25 P_c^2 147648

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		202.25	40905	106743
2		215.25	46332	101316
3		228.25	52098	95550
4		258.25	66693	80955
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.50$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.50$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1500$

Absolute Open Flow 1500 Mcfd @ 15.025 Angle of Slope θ 45.0 Slope, n 1.0

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	RANDY MAHANNAH	RICHARD ROETH	

BRAVO DOME
AOF TESTING DATA SHEET

TEST DATE: 8/28/87
WELL NO.: DODGE 1835 16 1M

SHUT-IN TBG PRESSURE: 372
30 MIN. SHUT-IN TBG PRESSURE:

RATE NO. 1

Day 1	FLOWING TBG. PRESS. (PSIG)	Rate Mcf D	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H20)	METER TEMP. (F)
24 hrs	190	1074	1.625	187	47	61

RATE NO. 2

Day 2	FLOWING TBG. PRESS. (PSIG)	Rate Mcf D	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H20)	METER TEMP. (F)
24 hrs	203	1001	1.625	201	38	61

RATE NO. 3

Day 3	FLOWING TBG. PRESS. (PSIG)	Rate Mcf D	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H20)	METER TEMP. (F)
24 hrs	216	929	1.625	214	31	60

RATE NO. 4

Day 4	FLOWING TBG. PRESS. (PSIG)	Rate Mcf D	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H20)	METER TEMP. (F)
24 hrs	246	713	1.625	244	15	60

BDCDGU No. 1835 161M