

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Eumont Formation 7-Rivers County Lea

Initial _____ Annual _____ Special X Date of Test 1-31-57

Company Amerada Petroleum Corporation Lease _____ State WV Well No. 1

Unit K Sec. 13 Twp. 21S Rge. 35E Purchaser El Paso Natural Gas

Casing 7" Wt. 23# I.D. 6.366 Set at 4000' Perf. 3575' To 3710'

Tubing 3-1/2" Wt. 9.3# I.D. 2.992 Set at 3925' Perf. 3728' To 3764'

Gas Pay: From 3575' To 3764' L 3670' xG .670 -GL 2459 Bar.Press. 13.2

Producing Thru: Casing X Tubing _____ Type Well G.O. Dual

Date of Completion: 5-1-54 Packer 3788' Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (ORIFICE) (Meter) _____ Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								657		72
1.	2"	.125	630		57			630		2145
2.	2"	.187	556		63			556		3
3.	2"	.218	519		64			519		3
4.	2"	.250	485		60			485		3
5.	2"	.312	400		58			400		3

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	.3418		643.2	1.0029	.9463	1.079	225
2.	.7851		569.2	.9971	"	1.068	450
3.	1.0834		532.2	.9962	"	1.064	578
4.	1.4030		498.2	1.0000	"	1.055	698
5.	2.1577		413.2	1.0019	"	1.048	886

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c 1.540 (1-e^{-s}) .156

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 670.2 P_c² 449.1

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	643.2	413.7	.3	.09	.01	413.7	35.4	643.2	.96
2.	569.2	323.9	.7	.49	.08	324.0	125.1	569.3	.85
3.	532.2	283.2	.9	.81	.13	283.3	165.8	532.2	.79
4.	498.2	248.2	1.1	1.2	.19	248.3	200.8	498.2	.74
5.	413.2	170.7	1.4	2.0	.31	171.0	278.1	413.4	.62

Absolute Potential: 1,450 MCFPD; n .90

COMPANY Amerada Petroleum Corporation

ADDRESS Drawer D - Monument, New Mexico

AGENT and TITLE W.G. Abbott - District Engineer *W.G. Abbott*

WITNESSED J.R. Pross

COMPANY El Paso Natural Gas

REMARKS