

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-12
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BASIN DAKOTA Formation DAKOTA County SAN JUAN
Initial X Annual _____ Special _____ Date of Test 7/30/62
Company Arco Oil and Gas Lease CARRAS UNIT Well No. B-1
Unit 19 29 39 49 59 69 79 89 99 109 119 129 139 149 159 169 179 189 199 209 219 229 239 249 259 269 279 289 299 309 319 329 339 349 359 369 379 389 399 409 419 429 439 449 459 469 479 489 499 509 519 529 539 549 559 569 579 589 599 609 619 629 639 649 659 669 679 689 699 709 719 729 739 749 759 769 779 789 799 809 819 829 839 849 859 869 879 889 899 909 919 929 939 949 959 969 979 989 999 1009 1019 1029 1039 1049 1059 1069 1079 1089 1099 1109 1119 1129 1139 1149 1159 1169 1179 1189 1199 1209 1219 1229 1239 1249 1259 1269 1279 1289 1299 1309 1319 1329 1339 1349 1359 1369 1379 1389 1399 1409 1419 1429 1439 1449 1459 1469 1479 1489 1499 1509 1519 1529 1539 1549 1559 1569 1579 1589 1599 1609 1619 1629 1639 1649 1659 1669 1679 1689 1699 1709 1719 1729 1739 1749 1759 1769 1779 1789 1799 1809 1819 1829 1839 1849 1859 1869 1879 1889 1899 1909 1919 1929 1939 1949 1959 1969 1979 1989 1999 2009 2019 2029 2039 2049 2059 2069 2079 2089 2099 2109 2119 2129 2139 2149 2159 2169 2179 2189 2199 2209 2219 2229 2239 2249 2259 2269 2279 2289 2299 2309 2319 2329 2339 2349 2359 2369 2379 2389 2399 2409 2419 2429 2439 2449 2459 2469 2479 2489 2499 2509 2519 2529 2539 2549 2559 2569 2579 2589 2599 2609 2619 2629 2639 2649 2659 2669 2679 2689 2699 2709 2719 2729 2739 2749 2759 2769 2779 2789 2799 2809 2819 2829 2839 2849 2859 2869 2879 2889 2899 2909 2919 2929 2939 2949 2959 2969 2979 2989 2999 3009 3019 3029 3039 3049 3059 3069 3079 3089 3099 3109 3119 3129 3139 3149 3159 3169 3179 3189 3199 3209 3219 3229 3239 3249 3259 3269 3279 3289 3299 3309 3319 3329 3339 3349 3359 3369 3379 3389 3399 3409 3419 3429 3439 3449 3459 3469 3479 3489 3499 3509 3519 3529 3539 3549 3559 3569 3579 3589 3599 3609 3619 3629 3639 3649 3659 3669 3679 3689 3699 3709 3719 3729 3739 3749 3759 3769 3779 3789 3799 3809 3819 3829 3839 3849 3859 3869 3879 3889 3899 3909 3919 3929 3939 3949 3959 3969 3979 3989 3999 4009 4019 4029 4039 4049 4059 4069 4079 4089 4099 4109 4119 4129 4139 4149 4159 4169 4179 4189 4199 4209 4219 4229 4239 4249 4259 4269 4279 4289 4299 4309 4319 4329 4339 4349 4359 4369 4379 4389 4399 4409 4419 4429 4439 4449 4459 4469 4479 4489 4499 4509 4519 4529 4539 4549 4559 4569 4579 4589 4599 4609 4619 4629 4639 4649 4659 4669 4679 4689 4699 4709 4719 4729 4739 4749 4759 4769 4779 4789 4799 4809 4819 4829 4839 4849 4859 4869 4879 4889 4899 4909 4919 4929 4939 4949 4959 4969 4979 4989 4999 5009 5019 5029 5039 5049 5059 5069 5079 5089 5099 5109 5119 5129 5139 5149 5159 5169 5179 5189 5199 5209 5219 5229 5239 5249 5259 5269 5279 5289 5299 5309 5319 5329 5339 5349 5359 5369 5379 5389 5399 5409 5419 5429 5439 5449 5459 5469 5479 5489 5499 5509 5519 5529 5539 5549 5559 5569 5579 5589 5599 5609 5619 5629 5639 5649 5659 5669 5679 5689 5699 5709 5719 5729 5739 5749 5759 5769 5779 5789 5799 5809 5819 5829 5839 5849 5859 5869 5879 5889 5899 5909 5919 5929 5939 5949 5959 5969 5979 5989 5999 6009 6019 6029 6039 6049 6059 6069 6079 6089 6099 6109 6119 6129 6139 6149 6159 6169 6179 6189 6199 6209 6219 6229 6239 6249 6259 6269 6279 6289 6299 6309 6319 6329 6339 6349 6359 6369 6379 6389 6399 6409 6419 6429 6439 6449 6459 6469 6479 6489 6499 6509 6519 6529 6539 6549 6559 6569 6579 6589 6599 6609 6619 6629 6639 6649 6659 6669 6679 6689 6699 6709 6719 6729 6739 6749 6759 6769 6779 6789 6799 6809 6819 6829 6839 6849 6859 6869 6879 6889 6899 6909 6919 6929 6939 6949 6959 6969 6979 6989 6999 7009 7019 7029 7039 7049 7059 7069 7079 7089 7099 7109 7119 7129 7139 7149 7159 7169 7179 7189 7199 7209 7219 7229 7239 7249 7259 7269 7279 7289 7299 7309 7319 7329 7339 7349 7359 7369 7379 7389 7399 7409 7419 7429 7439 7449 7459 7469 7479 7489 7499 7509 7519 7529 7539 7549 7559 7569 7579 7589 7599 7609 7619 7629 7639 7649 7659 7669 7679 7689 7699 7709 7719 7729 7739 7749 7759 7769 7779 7789 7799 7809 7819 7829 7839 7849 7859 7869 7879 7889 7899 7909 7919 7929 7939 7949 7959 7969 7979 7989 7999 8009 8019 8029 8039 8049 8059 8069 8079 8089 8099 8109 8119 8129 8139 8149 8159 8169 8179 8189 8199 8209 8219 8229 8239 8249 8259 8269 8279 8289 8299 8309 8319 8329 8339 8349 8359 8369 8379 8389 8399 8409 8419 8429 8439 8449 8459 8469 8479 8489 8499 8509 8519 8529 8539 8549 8559 8569 8579 8589 8599 8609 8619 8629 8639 8649 8659 8669 8679 8689 8699 8709 8719 8729 8739 8749 8759 8769 8779 8789 8799 8809 8819 8829 8839 8849 8859 8869 8879 8889 8899 8909 8919 8929 8939 8949 8959 8969 8979 8989 8999 9009 9019 9029 9039 9049 9059 9069 9079 9089 9099 9109 9119 9129 9139 9149 9159 9169 9179 9189 9199 9209 9219 9229 9239 9249 9259 9269 9279 9289 9299 9309 9319 9329 9339 9349 9359 9369 9379 9389 9399 9409 9419 9429 9439 9449 9459 9469 9479 9489 9499 9509 9519 9529 9539 9549 9559 9569 9579 9589 9599 9609 9619 9629 9639 9649 9659 9669 9679 9689 9699 9709 9719 9729 9739 9749 9759 9769 9779 9789 9799 9809 9819 9829 9839 9849 9859 9869 9879 9889 9899 9909 9919 9929 9939 9949 9959 9969 9979 9989 9999

Producing Thru: Casing _____ Tubing _____ Type Well SINGLE - GAS
Date of Completion: _____ Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

Tested Through () (Choke) ()

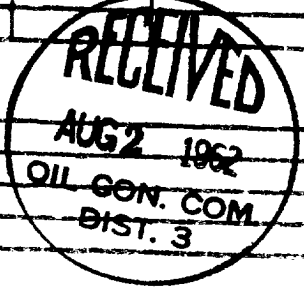
Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Packer) (Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F	Press. psig	Temp. °F	Press. psig	Temp. °F	
1.	2"	1/4"				2003		2003		
2.						571	602	1217	602	3
3.										
4.										
5.										

FLOW CALCULATIONS							
No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor P_t	Gravity Factor P_g	Compress. Factor P_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.2652		583	1.000	.9258	1.077	7.182
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS
Gas Liquid Hydrocarbon Ratio _____ scf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 $P_c = (1 - e^{-B})$ _____
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 $P_c = 2015$ $P_c = 4,060, 225$

No.	P_w P_t (psia)	P_t^2	$P_c Q$	$(P_c Q)^2$	$(P_c Q)^2 (1 - e^{-B})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w / P_c
1.	1229								
2.						1510.94	2,549,202		.612
3.									
4.									
5.									

Absolute Potential: 10,189 MCFPD; n .75
COMPANY Arco Oil and Gas Company
ADDRESS Dallas 530 Edmond, New Mexico
AGENT and TITLE B. B. Mann DISTRICT ENGINEER
WITNESSED _____
COMPANY _____



REMARKS