

COMPANY <i>Manana Gas</i>		PROPERTY NAME <i>Hartman</i>		WELL NO. <i># 1</i>
DATE	LOCATION (ULSTR) <i>P-22-29N-11W</i>		FOOTAGE	
API NO.		POOL		

<i>9 5/8 404' 300SXS T.O.C.</i>	3250 Hole 3077 37228 O.P.H. 4010 Tag
<i>4 1/2 6310' 350SXS 50-50 Poz 50 later</i>	
<i>DU Tool 1795 270SXS Poz</i>	
<i>Pent's 6072-6274</i>	

CASING RECORD:

<i>Dakota</i>	<i>6068</i>	
<i>Gallup</i>	<i>5210</i>	<i>- 5160-5260</i>
<i>C.H.</i>	<i>3240</i>	<i>3190-3290</i>
<i>P.C.</i>	<i>1640</i>	<i>1590-1690</i>
<i>FRT.</i>	<i>1410</i>	<i>1360-1460</i>
<i>9 5/8 shoe 404'</i>		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool UNDESIGNATED Formation DAKOTA County SAN JUAN
 Initial X Annual _____ Special _____ Date of Test 5-19-60
 Company KAY Kimbell Lease HARTMAN Bloomfield Well No. 1
 Unit P Sec. 22 Twp. 29N Rge. 11W Purchaser EL PASO NATURAL GAS CO.
 Casing 4 1/2 Wt. 11.60 I.D. 4.000 Set at 6304 Perf. 6072 To 6274
 Tubing 2 3/8 Wt. 4.7 I.D. 2.000 Set at 6304 Perf. OPEN ENDED To _____
 Gas Pay: From 6072 To 6274 L. _____ XL _____ GL _____ Bar. Press. _____
 Producing Thru: Casing _____ Tubing X Type Well SINGLE - GAS
 Date of Completion: 5-19-60 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Size)	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI								
1.		2.50	507		58	2093	2095	7 DAY SHUT-IN
2.						507	1137	3 HOURS
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	14.965		516	1.0098	.9463	1.066	6499
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 _____ (1.0-0.8)

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 2107 P_c 4439 449

No.	P _w P _t (psia)	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1.0-0.8)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.						1320201	3119248		
2.									
3.									
4.									
5.									

Absolute Potential: 8468MCFPD: 125COMPANY Well Production CompanyADDRESS N. A. NEELY, OWNERAGENT and TITLE 1041 JUNI DRIVEWITNESSED Bob JACKSON & Ed HARTMANCOMPANY EMPIRE STATE DRILLING CO.

REMARKS

$$(1.4232)^{.75} = 1.3030$$

