

3-OCC
1-H.L. Kendrick
1-B. Parrish
1-International
2-EPNG (El Paso, Farm.)
2-Tidewater, (Durango)
1-ICA, 1-L.D. Horne
1-F

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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 6/16/64
Company Beta Development Co. Lease Tidewater Federal Well No. 1
Unit D Sec. 12 Twp. 29 N Rge. 11 W Purchaser El Paso Natural Gas Co.
Casing 4-1/2" Wt. 10.5# I.D. 4.052 Set at 6745 Perf. 6550 To 6712
Tubing 2-3/8" Wt. 4.70# I.D. 1.995 Set at 6713 Perf. Open To End
Gas Pay: From 6550 To 6712 L 6700 xG .670 -GL 4489 Bar.Press. 12.0
Producing Thru: Casing _____ Tubing x Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6/5/64 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (00000000) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1917		1940		7 Days
1.		3/4"	405		86	405	86	1119		3 Mins.
2.										
3.										
4.										
5.										

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.	12.3650		417	.9759	.9463	1.038	4,943
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1952 P_c² 3810.3
P_w 1131 P_w² 1279.2

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.							2531.1		.979
2.									
3.									
4.									
5.									

Absolute Potential: 6,718 MCFPD; n .75
COMPANY Beta Development Co.
ADDRESS 234 Petr. Club Plaza, Farmington, New Mexico
AGENT and TITLE George L. Hoffman, Production Engineer
WITNESSED H. McAnally
COMPANY El Paso Natural Gas Co.

REMARKS

