

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Alfent Formation Picture Cliff County San Andres
Initial X Annual _____ Special _____ Date of Test 7-26-56
Company Gulf Oil Corporation Lease Anchor-Federal Well No. 7
Unit 114 Sec. 17 Twp. 24N Rge. 5W Purchaser El Paso Natural Gas Co.
Casing 4 1/2" Wt. 5.5 I.D. 4 1/8" Set at 2467 Perf. 2363 To 2424
Tubing 2 3/8" Wt. 4.7 I.D. 2 1/8" Set at 2424 Perf. Open end To 2424
Gas Pay: From 2363 To 2424 L. _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing _____ Type Well Single gas
Date of Completion: 6-3-56 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) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI								
1.		<u>3/4"</u>	<u>17</u>			<u>17</u>		<u>7 Day Station</u>
2.								<u>3 hours</u>
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>14.1505</u>		<u>17</u>				<u>970.73</u>
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 642 P_c 10.16

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.									
2.									
3.									
4.									
5.									

Absolute Potential: 253.45 MCFPD; n .85
COMPANY Oil Production Company
ADDRESS 1001 2nd Drive Wilmington, New Mexico
AGENT and TITLE A. J. Keely Owner
WITNESSED _____
COMPANY _____

REMARKS



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