

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Tosito County Rio Arriba
Initial X Annual _____ Special _____ Date of Test December 14, 1956
Company Southern Union Gas Company Lease Jicarilla Well No. 6-E
Unit B Sec. 21 Twp. 26N Rge. 4W Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 17 I.D. 4.892 Set at 5518-8048 Perf. 7140 To 7153
Tubing 2 3/8" Wt. 4.7 I.D. 1.995 Set at 7130 Perf. 7100 To 7130
Gas Pay: From 7140 To 7153 L _____ xG 0.73 -GL _____ Bar.Press. 12.0
Producing Thru: Casing _____ Tubing XX Type Well Single Gas
Single-Bradenhead-G. G: or G.O. Dual
Date of Completion: January 6, 1957 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Pressure) (Choke) (Restrictor) Type Taps _____

Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig		Temp. °F.
SI						1730		1732		7 day
1.		3/4"	475			475	77°	1106	77°	3 hour
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wp} F}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		487	0.9840	0.9066	1.056	5663
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

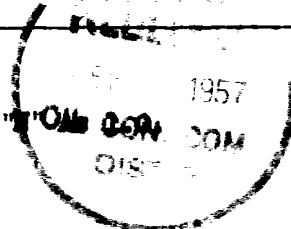
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1744 P_c 3041
P_w 1118 P_w 1249

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.						1249	1792		
2.									
3.									
4.									
5.									

Absolute Potential: 9750 MCFPD; n 1.0
COMPANY Southern Union Gas Company
ADDRESS 1001 Bart Building, Dallas 1, Texas
AGENT and TITLE L. S. Muench, Exploration Engineer
WITNESSED _____
COMPANY _____

REMARKS

Gas Gravity Estimated. Absolute Potential Calculated Assuming Factor



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U. S. G. S.	1	
Transporter		
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Company Southern Union Gas Company

Lease Jicarilla Well 6-E

Volume 2.750 MCF per day

