

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool ~~West Mesa-Pictured Cliffs~~ Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 4-30-55
Company Stanolind Oil & Gas Company Lease Callegos Canyon Unit Well No. 76
Unit 1 Sec. 23 Twp. 28 Rge. 12 Purchaser El Paso Natural Gas Company
Casing 5 1/2" Wt. 15 I.D. 5.012 Set at 1620 Perf. 1545 To 1560
Tubing 1 1/2" Wt. 4.7 I.D. 1" Set at 1569 Perf. _____ To _____
Gas Pay: From 1545 To 1560 L 1545 xG 0.65 -GL 1004 Bar.Press. 12.0
Producing Thru: Casing X Tubing _____ Type Well Single - Gas
Date of Completion: 4-30-56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. 100° F.

OBSERVED DATA

Tested Through (Prover) (Choke) (1560) 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.	Press. psig	Temp. °F.	
SI										
1.		<u>3/4</u>	<u>48</u>				<u>60°</u>	<u>430</u>		<u>3 hrs.</u>
2.								<u>50</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>12.3650</u>		<u>60</u>	<u>1.000</u>	<u>0.9608</u>	<u>1.004</u>	<u>715</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

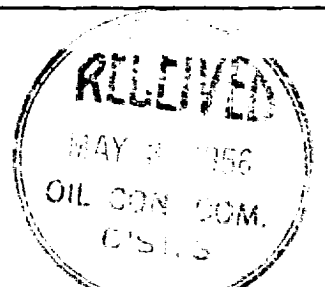
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid 0.65 gas
P_c 442 P_c² 195.4

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.						<u>3.664</u>	<u>191.6</u>		<u>0.163</u>
2.									
3.									
4.									
5.									

Absolute Potential: 721 MCFPD; n 0.85
COMPANY STANOLIND OIL & GAS COMPANY
ADDRESS Box 487, Farmington, New Mexico
AGENT and TITLE John S. Clark, Field Engineer *J M Clark*
WITNESSED _____
COMPANY _____

REMARKS



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