

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astec-Pictured Cliffs Formation Pictured Cliffs County San Juan
Initial I Annual _____ Special _____ Date of Test 12-7-56
Company STARLIND OIL AND GAS COMPANY Lease Madrox Gas Unit Well No. 1
Unit 1 Sec. 27 Twp. 29 Rge. 10 Purchaser El Paso Natural Gas Company
Casing 2-1/2" Wt. 146 I.D. 5.012" Set at 1917 Perf. 1838 To 1862
Tubing 1-1/4" Wt. 2.38 I.D. 1.36" Set at 1833 Perf. 1827 To 1833
Gas Pay: From 1822 To 1865 L 1827 xG 0.65 (est.) HL 1198 Bar.Press. -
Producing Thru: Casing I Tubing _____ Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-27-56 Packer _____ Reservoir Temp. _____

IS = 3530
OL = 3548

OBSERVED DATA

Tested Through (Bumper) (Choke) (Bumper)Type Taps -

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (Bumper) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										(S.I. 7 days)
1.		<u>1/4"</u>	<u>300</u>		<u>60°</u>	<u>440</u> <u>382</u>	<u>60°</u>	<u>640</u> <u>390</u>		<u>3 hrs.</u>
2.										
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>12.350</u>		<u>362</u>	<u>1.00</u>	<u>0.9608</u>	<u>1.039</u>	<u>4440</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 640 psia P_c 435.600

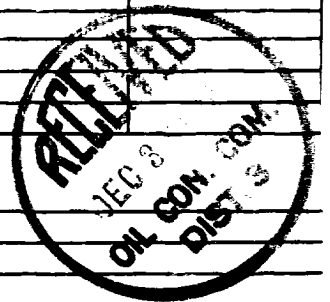
No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						<u>139.876</u>	<u>295.724</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 6,146 MCFPD MCFPD; n 0.85COMPANY STARLIND OIL AND GAS COMPANYADDRESS Box 107AGENT and TITLE Ray E. Smith, Jr., Field Engineer RWS

WITNESSED

COMPANY

REMARKS



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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