

3-10000
1-Lloyd
1-Murphy
1-Southern Union
1-File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County San Juan
Initial X Annual Special Date of Test 8-23-61
Company International Oil Corp. Lease Fogelson Well No. 2-11
Unit P Sec. 11 Twp. 29N Rge. 11W Purchaser
Casing 4-1/2 Wt. 10.5 I.D. Set at 6724 Perf. 6394 To 6554
Tubing 1-1/4 Wt. 2.4 I.D. Set at 6586 Perf. 6584 To 6586
Gas Pay: From 6394 To 6554 L xG .680 -GL Bar.Press.
Producing Thru: Casing Tubing X Type Well Single-Gas
Date of Completion: 8-8-61 Packer Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp.

OBSERVED DATA

Tested Through 100000 (Choke) 100000 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						2033		2054		
1.										
2.										
3.	2"	3/4"	235		58°			1477		3 hrs.
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.							
2.							
3.	12.3650		267	1.0019	.9393	1.031	3293
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 2066 P_c 4268

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.	1489					2217	2051		2.041
4.									
5.									

Absolute Potential: 5550 MCFPD; n .75 1.7326

COMPANY International Oil Corp.
ADDRESS 1007 N. Dustin, Farmington, New Mexico
AGENT and TITLE Original signed by T. A. Dugan Engineer
WITNESSED
COMPANY

REMARKS

