

3 NMOC
1 International
1 El Paso
1 Murphy Corp.
1 Lloyd
1 File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Basin Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 12-27-61
Company International Oil Corp. Lease Fogelson Well No. 1-4
Unit P Sec. 11 Twp. 29N Rge. 11W Purchaser _____
Casing 4 1/2" Wt. 10.5 I.D. _____ Set at 6763 Perf. 6480 To 6646
Tubing 1 1/2" Wt. 2.4 I.D. _____ Set at 6620 Perf. 6617 To 6620
Gas Pay: From 6480 To 6646 L _____ xG 0.680 -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well single-gas
Date of Completion: 12-6-61 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Orifice) 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.	
1.						2040		2058		
2.										
3.	2"	3/4	226		52°			1378		3 hrs
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.							
2.							
3.	12.3650		238	1.0078	.9393	1.028	2864
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 2070 P_c 4285

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.	1390					1932	2353		1.821
4.									
5.									

Absolute Potential: 4491 MCFPD; n .75 1.568

COMPANY International Oil Corporation

ADDRESS 2010 Republic Bank Building, Dallas, Texas

AGENT and TITLE Original signed by T. A. Dugan, Engineer

WITNESSED _____

COMPANY _____

REMARKS _____

