

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MAIN OFFICE OCC

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat 1960 MAY 25 PM 1:46 Formation Dakota County San Juan

Initial X Annual _____ Special _____ Date of Test 5-17-60

Company Adobe Oil Company Lease Parker Well No. 1

Unit X Sec. 33 Twp. 31 Rge. 13 Purchaser El Paso Natural Gas Company

Casing 5-1/2 Wt. 15.5 I.D. 4.950 Set at 6362 Perf. 6097 To 6002 6287

Tubing 3-3/8 Wt. 4.70 I.D. 1.995 Set at 6200 Perf. ----- To 6200

Gas Pay: From 6097 To 6207 L _____ xG .67 -GL _____ Bar.Press. 12.0

Producing Thru: Casing _____ Tubing _____ Type Well _____

Date of Completion: 5-4-60 Packer _____ Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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						2000		2000		<u>7 days</u>
1.		<u>3/4</u>	<u>233</u>		<u>90</u>	<u>233</u>	<u>90</u>	<u>620</u>		<u>3 hours</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>12.3630</u>		<u>267</u>	<u>.9723</u>	<u>.9463</u>	<u>1.024</u>	<u>3.303</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

$P_c (1-e^{-S})$ _____

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 2012 P_c^2 4048

P_w 632 P_w^2 399.4

No.	P_w P _t (psia)	P_t^2	F _c Q	(F _c Q) ²	$\frac{(F_c Q)^2}{(1-e^{-S})}$	P_w^2	$P_c^2 - P_w^2$	Cal. P _w	$\frac{P_w}{P_c}$
1.						<u>399.4</u>	<u>105.4</u>		<u>.986</u>
2.									
3.									
4.									
5.									

Absolute Potential: 3,635.5 MCFPD; n .75

COMPANY ADobe OIL COMPANY

ADDRESS 1213 Petroleum Life Building - Midland, Texas

AGENT and TITLE George L. Hoffman, Operator

WITNESSED [Signature]

COMPANY AOC

REMARKS

