

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool <i>Basin</i>		Formation <i>Dakota</i>		County <i>San Juan</i>	
Initial <i>X</i>		Annual		Special	
Company <i>General Pet. Corp.</i>		Lease <i>Rock Island</i>		Date of Test <i>4-18-67</i>	
Unit <i>E</i>		Sec. <i>24</i>		Twp. <i>29N</i>	
Casing <i>4 1/2</i>		Wt. <i>11.6+10.5</i>		Range <i>9W</i>	
Tubing <i>1 1/4</i>		Wt. <i>2.4</i>		Set at <i>7000</i>	
		I.D.		Perf. <i>6900</i>	
		Set at <i>7088</i>		To <i>7170</i>	
		I.D.		Perf. <i>open ended</i>	

Gas Pay:	From <i>6900</i>	To <i>7170</i>	L	G <i>.680</i>	GL	Bar. Press.
Producing Through:		Casing	Tubing <i>X</i>	Type Well - Single - Braden head - G.G. or G.O. Dual <i>Single - Gas</i>		
Date of Completion <i>3-31-67</i>		Packer	Reservoir Temp. <i>1 -</i>			

OBSERVED DATA

Tested Through:						Prover ☐ Choke ☒ Meter ☐		Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.						<i>1240</i>		<i>1852</i>		
2.										
3.	<i>2"</i>	<i>3/4"</i>	<i>52</i>		<i>66</i>			<i>721</i>		<i>3 hrs</i>
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-MCF PD @ 15.025 psia
1.							
2.							
3.	<i>12.3650</i>		<i>64</i>	<i>0.9943</i>	<i>0.9373</i>	<i>1.000</i>	<i>739</i>
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-S}) _____ P_c *1264* P_c^2 *3,474,496*

No.	$\frac{P_w}{P_t}$ 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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.									
2.									
3.	<i>733</i>						<i>2937201</i>		<i>1.1830</i>
4.									
5.									

ABSOLUTE POTENTIAL: *840* MCFPD; n *.75* *1.1370*

COMPANY *General Petroleum Corp.* WITNESSED _____

ADDRESS *Box 224, Farmington, N.M.* COMPANY _____

AGENT AND TITLE *D. A. Whitman - Engineer*

