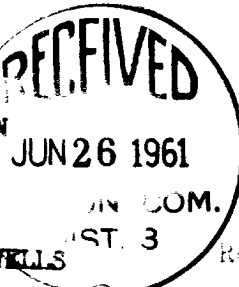


NEW MEXICO OIL CONSERVATION COMMISSION



JUN 26 1961

IN COM.

Form C-12

ST. 3

Revised 12-1-5

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County San Juan
 Initial Annual Special Date of Test 6/26/61
 Company Apache Oil & Gas Co. Lease Whitney Well No. 1-1
 Unit C Sec. 3 Twp. 23N Rge. 9W Purchaser
 Casing 4 1/2 " Wt. 9.5 I.D. 4.092 Set at 6910 Perf. 6656 To 6858
 Tubing 2 3/8 " Wt. 4.7 I.D. 1.995 Set at 6623 Perf. Pipe Collar To
 Gas Pay: From 6656 To 6858 16638 MC 65 GL 4308 Bar. Press. 12
 Producing Thru: Loading Tubing Type Well Single
 Date of Completion 6/19/61 Sucker Single-Bradenhead-C. G. or G.O.
 Reservoir Temp. 144

OBSERVED DATA

Tested Through 2 3/8 (Choke) 2 3/8

Type Taps

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h	Temp. °F	Press. psig	Temp. °F	
1.		<u>0.30</u>				<u>1971</u>	<u>1972</u>	<u>3.00</u>
2.						<u>196</u>	<u>80(5)</u>	<u>508</u>
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-hour)	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFD @ 14.7 psia
1.	<u>12.365</u>	<u>108</u>	<u>0.9812</u>	<u>0.9608</u>	<u>1.018</u>	<u>24.19</u>
2.						
3.						
4.						
5.						

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio of/lbbl.
 Gravity of Liquid Hydrocarbons deg.
 P_c (1-e-8)

Specific Gravity Separator Gas
 Specific Gravity Flowing Fluid
 P_c 1983 P_c 3.93 289

No.	P_w	P_t (psia)	P_c	$(P_c)^2$	$(P_c Q)^2$ (1-e-8)	P_w^2	$P_c^2 - P_w^2$	Cal. $\frac{S}{h}$	$\frac{S}{h}$
1.		<u>520</u>							
2.						<u>22400</u>	<u>3.66389</u>		
3.									
4.									
5.									

Absolute Potential: 2605 MOPHT: 0.75
 COMPANY Apache Oil & Gas Co.
 ADDRESS Denver 530, International Bldg.
 AGENT and TITLE
 WITNESSED
 COMPANY