NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan

Initial ✓ Annual _____ Special _____ Date of Test 9/15/61

Company Aztec Oil & Gas Co. Lease Hanks Well No. 15-D

Unit B Sec. 4 Twp. 27N Rge. 9W Purchaser Southern Union Gas

Casing 4.5 Wt. 11.6 9.5 I.D. 4.000 4.090 Set at 6755 Perf. 6546 To 6688

Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6517 Perf. OPEN ENDED To _____

Gas Pay: From 6546 To 6688 L 6517 xG .700(E) -GL 4562 Bar.Press. _____

Producing Thru: Casing _____ Tubing ✓ Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 9/8/61 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ Type Taps _____

No.	Flow Data: ~~(Prover)~~ (Line) Size	Flow Data: (Choke) ~~(Orifice)~~ Size	Flow Data: Press. psig	Flow Data: Diff. h_w	Flow Data: Temp. °F.	Tubing Data: Press. psig	Tubing Data: Temp. °F.	Casing Data: Press. psig	Casing Data: Temp. °F.	Durat. of Fl Hr.
SI	7 days					1940		1940		
1.						299	80(E)	739	80(E)	3
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.	12.365		311	.9813	.9258	1.033	3609
2.							
3.							
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 1952 P_c^2 3,810,304

No.	P_w / P_t (psia)	F_t^2	F_cQ	$(F_cQ)^2$	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 4070 MCFPD; n .75
COMPANY Aztec Oil & Gas Company
ADDRESS _____
AGENT and TITLE B.H. Meads, Dist. Engr.
WITNESSED _____
COMPANY _____

RECEIVED
SEP 19 1961
OIL CON. COM.
DIST. 3

REMARKS