NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool: South Blanco Pictured Cliffs	Formation: Pictured Cliffs			County: San Juan
Initial: X	Annual:	Special:	Date of Test: 9/12/66	9/23/66
Company: Aztec Oil and Gas	Lease: Whitley			Well No.: 9
Unit: O	Sec.: 8	Twp.: 27N	Range: 9W	Purchaser: Southern Union Gas
Casing: 4½	Wt.: 9.5	I.D.: 4.090	Set at: 2367	Perf.: 2256 To: 2296
Tubing: 1"	Wt.: 1.7	I.D.: 1.049	Set at: 2283	Perf.: 2265 To: 2275
Gas Pay:	From: 2256	To: 2296	L:	G: .700 (est) GL: Bar. Press.:
Producing Through:	Casing: X	Tubing:	Type Well – Single – Braden head – G.G. or G.O. Dual: single - gas	
Date of Completion: 7/16/66	Packer: none	Reservoir Temp.:		

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
1.			7 days			492		492		
2.	2"	3/4"				228	60 (est)	163	60 (est)	3 hr
3.										
4.										
5.										
6.										
7.										

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 P.D. @ 15.25 psia
1.	12.365		175	1.000	.9258	1.021	2045
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

P_c _____ $(1-e^{-S})$ _____ P_c 504 P_c^2 254,016

No.	P_w or 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	$\frac{P_w}{P_c}$
1.	240					57,600	196,416		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2544 MCFPD; n .85

COMPANY Aztec Oil and Gas WITNESSED _____

ADDRESS Drawer 570, Farmington, New Mex. COMPANY _____

Original Signed By
AGENT AND TITLE Carl E. Jameson
District Engineer

RECEIVED
SEP 14 1966
OIL CON. COM.

Corrections on perforations