

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 Sept. 3, 1961
 Company Aster Oil & Gas Co. Lease Maniqua Well No. 4-D
 Unit K Sec. 28 Twp. 24N Rge. 11W Purchaser Southern Union Gas
 Casing 4 1/2 Wt. 46 I.D. 4.000 Set at 6250 Perc. 6033 To 6200
 Tubing 2 3/8 Wt. 47 I.D. 1.995 Set at 6036 Perc. OPEN END To 6026
 Gas Pay: From 6033 To 6200 6036 to 720(E)-GI 4225 Bar. Press. 12
 Producing Thru: Casing ☐ Tubing ☒ Type Well SINGLE GAS
 Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 9/26/61 Packer NONE Reservoir Temp. _____

OBSERVED DATA

Tested Through <u>(2000)</u> (Check) <u>(4000)</u>										Type Tests _____
No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Pressure) (Line Size)	(Choked) (Choked) Size	Press. psig	Diff. Δp	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	
1.	<u>8 Days</u>	<u>3/4"</u>				<u>2021</u>		<u>2021</u>		<u>3 Hrs.</u>
2.						<u>327</u>	<u>80(E)</u>	<u>867</u>	<u>80(E)</u>	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coeff. (24-hour)	Pressure psia	Flow Temp. $^{\circ}F$	Gravity Factor P_g	Compress. Factor P_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>12.265</u>	<u>800</u>	<u>47.5</u>	<u>.9258</u>	<u>1.044</u>	<u>4679</u>
2.						
3.						
4.						
5.						

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/cbl.
 Gravity of Liquid Hydrocarbons _____ gsg.
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 2033 P_c 4,133.089

No.	P_w P_L (psia)	$(P_c - P_w)^2$	$(P_c - P_w)^2 (1 - \alpha)$	P_{cL}	$P_c^2 - P_w^2$	Cal. P_w	P_w / P_c
1.				<u>772.441</u>	<u>3.360442</u>		
2.							
3.							
4.							
5.							

Absolute Potential _____ MCFPD: 15
 COMPANY ASTER OIL & GAS COMPANY
 ADDRESS 6000 E. 1st St. Farmington, New Mex.
 AGENT and Title W. J. MEANEY, DIST. ENG.
 WITNESSES _____
 COMPANY _____

REMARKS

