

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

Form C-122

Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X	Annual	Special	Date of Test 9-25-65		
Company Tenneco Oil Co.		Lease Oiler		Well No. A-2	
Unit	Sec. 35	Twp. 28 N	Range 10 W	Purchaser	
Casing 4.5	Wt. 9.5	I.D.	Set at 6518	Perf. 6249	To 6454
Tubing 2 3/8	Wt. 4.7	I.D.	Set at 6240	Perf.	To
Gas Pay:	From	To	L .650	G 4046	Bar. Press. 12.0
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas; Oil	
Date of Completion		Packer		Reservoir Temp.	

OBSERVED DATA

Produced 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.		3/4				1897		441	80	3 hr
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-MCF P D @ 15,025 psia
1.	12.3650		453	.9813	.9608	1.041	5498
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 _____
 F_c **9.402** (1-e^{-S}) **0.245** P_c **1909** P_c² **3644281**

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 P _w	$\frac{P_w}{P_c}$
1.	453	205,209	51.692	2672.063	654.655	859.864	2784417	927	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6727** MCFPD: **n .75 1.2236**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1714 - Durango, Colorado** COMPANY _____

AGENT AND TITLE **J. E. Massey**

J. E. Massey

RECEIVED

OCT 25 1965

**OIL CON. COM.
DIST. 3**