NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

3-OCC 2-Texaco 1-WD

	i-epng l-D l-F			MULTI-	-POINT BA	ACK PRES	SURE TES	T FOR GAS	WELLS	ŗ	Revised 12-1-5	5
Pool		ota		Fc	rmation	Da	kota		_County	San J	yan	_
											1-3-61	
											1	
Unit	. C Se	ec. 32	Twp	27	Rge	e. 11	Purc	haser	El Paso N	atural (Gas Co.	_
Casing 41 Wt. 10.50 I.D. 4.040 Set at 6340 Perf. 6264-83 To 6287-92												
											324	
Gas Pay: From 6264 To 6292 L 6324 xG .67 _GL 4237.0 Bar.Press. 12.0												
Producing Thru: Casing - Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual Packer Reservoir Temp.												
Date	e of Complet:	ion:	10/21	/61	Packe	r		Reservo	ir Temp			_
						OBSERV	ED DATA					
Test	ted Through	(France	(C	hoke)	(Metrexa)				Type Tap	s		_
Flow Data						Tubing Data		Casing Data		I		
	(Prover)	(Chok	ce)	Press	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
No.	(Line) Size				h _w	°F.	psig	°F.	psig	°F∙		
SI		,					2102	:	2102		7 d y	4
1. 2.		3/4"		435		60	435	60	1913	 	3 hr.	ゴ
2. 3.												4
4.										 		\dashv
5.					<u></u>	<u> </u>	l	<u> </u>	L			
						FLOW CAL	CULATION	vs			Data at Elevi	
	Coefficient		-	Pressure		Flow Temp. Factor		Gravity	Compre		Rate of Flow	
No.	(24-Hour) ¬		√ h _w r	_	psia	1		Fg	Fpv	´	@ 15.025 psia	İ
-	12.3650) V		1	447	1.00		.9463	1.052		5,602	
1. 2.	12.5050				771	1.00		62700				\Box
3 _e												
4.						 						ب_
5.					PE	RESSURE (CALCULAT:	IONS				
									eria Consu	itu Son	arator Gas	
Gas	Liquid Hydro ity of Liqui	carbon	Ratio	0		cf/bbl.deg.		Speci	lfic Grav. Lfic Grav	ity Flov	ving fluid	
		u nyun) ()	1-e ⁻⁵)			_	Pc	2114	_P _c 2 4	468.9	_
· U				_				Pw	1 9 25	Pw23	705.6	
	$P_{\mathbf{w}}$		\top			,	.2		2 2		, ,	
No.		Pt ²	F	cQ	(F _c Q) ²	· (!	F _c Q) ² 1-e ^{-s})	P_w^2	$P_c^2 - P_w^2$	1	$\frac{P_{w}}{P_{c}}$	
-	Pt (psia)					- - \		3705.6	763.3		.910	
2.												
3.											_	
1. 2. 3. 4.												
	solute Potent		19,0	53		MCFPD	; n	75				
					company		, - <u>-</u>					
						naton. N	. X			MARS	En -	

Absolute	Potential:	19,053	110112, 11	.75		
COMPANY	Southwest	Production C	ompany			
ADDRESS	207 Petr.	Club PlA za.	Farmington, N.M.			
AGENT and	TITLE G.	L. Hoffman,	Production Engineer		_\\	
WITNESSED)				The state of the s	
COMPANY					1961	
			REMARKS		NON COM	
					CON	

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$ Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt- Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.