.M.JAC.-Aztec L. G. Truly R. Johns

## hillips Petroloum (Vayne Smith) 1-File

Pool

Initial\_

II

WITNESSED COMPANY

No.

F<sub>c</sub>\_

Rianco Messaverde Formation Messaverde

Company Pacific Northwest Pipeline Lease 29-6

Producing Thru: Casing \_\_\_\_\_Tubing \_\_\_\_\_

Annual Special

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Unit H Sec. 23 Twp. 25 Rge. 6W Purchaser Pacific Northwest Pipeline

Gas Pay: From 5430 To 5950 L xG 650 -GL Bar. Press.

Casing 5 1/2 Wt. I.D. Set at 6040 Perf. 5430 To 5950

Tubing 2 Wt. I.D. Set at 5931 Perf. To

County Rio Arriba

Type Well\_\_\_

Date of Test 2-13-57

Well No. 40-23

	Date of Completion:			Single-Bra PackerReser					denhead-G. G. or G.O. Dual voir Temp.		
					OBSERV	ED DATA					
ste	ed Through	(Prove	r) (Chok	e) (Meter	Shut	in 7 d	sys	Type Tap	s		
		Flo	ow Data			Tubin	g Data	Casing I	ata		
	(Prover) (Line)	(Choke	ce)		, ,	Press	. Temp.	Press.	Temp.	Duration of Flow	
╀	Size	Size	ps:	ig h <sub>w</sub>	° <sub>F</sub> .	psig		psig	°F∙	Hr.	
		<u> </u>				1076	<del></del>	1093	<del> </del>		
$\vdash$					,	315	55	913	<del> </del> -	<del>  3</del>	
							-		<del> </del>	<del> </del>	
					<del>                                     </del>		1		<del> </del>	<del> </del>	
							1				
	Coefficie	ent		Pressure	FLOW CALC	Cemp.	NS Gravity Factor	Compre		Rate of Flow Q-MCFPD	
L	(24-Hou	r) $$	h <sub>w</sub> p <sub>f</sub>	psia	F		Fg	Fpv		@ 15.025 psia	
┝											
-	14.1605			327	1.00%		0400			172	
							0.9608	1.03	•	4622	
	<del></del>									<del></del>	
Liquid Hydrocarbon Rati vity of Liquid Hydrocarb (										•	
ity —	y of Liquid	arbon R d Hydroc	atio <u> </u>		cf/bbl. deg.		Speci	fic Gravi	tv Flow	rator Gas ring Fluid	
.—	y of Liquid	arbon R	arbons		cf/bbl. deg.		Speci P <sub>C</sub>	fic Gravi fic Gravi	tv Flow	ring Fluid	
I	y of Liquic  Pw  Pt (psia)	Pt	arbons		deg.	Q) <sup>2</sup> -e-s)	Speci	fic Gravi	PC 192	ring Fluid	
I	y of Liquid	l Hydroc	arbons(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	deg.		Speci. P. 11	fic Gravi	PC 192	l. Pw Pc	
I	y of Liquid	l Hydroc	arbons(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	deg.		Speci P <sub>C</sub>	fic Gravi	PC 192	ring Fluid	
I	y of Liquid P <sub>w</sub> Pt (psia)	l Hydroc	arbons(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	deg.		Speci. P. 11	fic Gravi	PC 192	l. Pw Pc	
I	y of Liquid P <sub>w</sub> Pt (psia)	l Hydroc	arbons(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	deg.		Speci. P. 11	fic Gravi	PC 192	l. Pw W Pc	
I	y of Liquid	Pt	arbons(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	deg.	8	Speci. P. 11	fic Gravi	PC 192	l. Pw Pc	
I	Pw Pt (psia) ute Potenti	Pt	######################################	(F <sub>c</sub> Q) <sup>2</sup>	deg.	8	Speci. P. 11	fic Gravi	PC 192	l. Pw Pc	
I	Pw Pt (psia) ute Potenti	Pt al:	FcQ	(F <sub>c</sub> Q) <sup>2</sup>	deg.	n_•75/	Speci. P. 11	fic Gravi	PC 192	l. Pw Pc	
olu PAN RES	Pw Pt (psia)  ute Potenti	Pt al: 11	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.	n_•75/	Speci. P. 11	fic Gravi	PC 192	l. Pw W Pc	
olu PAN RES	Pw Pt (psia) ute Potenti	Pt al: 11	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.	n_•75/	Speci. P. 11	fic Gravi	Pc 182	l. Pw Pc	
FOLUMENT OF THE STATE OF THE ST	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt al: 11	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.	n_•75/	Speci. P. 11	fic Gravi	Pc 182	l. Pw Pc	
Solu MPAN MPAN MPAN MPAN MPAN MPAN MPAN MPAN	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt al: 11	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.  (Formula (1)  MCFPD;	n_•75/	Speci. P. 11	fic Gravi	Pc 182	l. Pw Pc	
olu PAN RES NT NES	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt late	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.  (F. (1-	n_•75/	Speci. P. 11	fic Gravi	Ca P	l. Pw Pc	
olu PAN RES NT NES	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt late	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.  (F. (1-	n_•75/	Speci. P. 11	fic Gravi	Ca P	l. Pw Pc	
olu PAN RES	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt Pt III	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.  (F. (1-	n_•75/	Speci. P. 11	fic Gravi	Ca P	l. Pw Pc	
PLUPAN	Pw Pt (psia)  ute Potenti NY Potenti SS 63 W and TITLE	Pt Pt III	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	deg.  (F. (1-	n_•75/	Speci. P. 11	fic Gravi	Ca P	l. Pw Pc	

## 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<sub>w</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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  $P_{w}$  cannot be taken because of manner of completion or condition of well, then  $P_{w}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{+}$ .

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