Pool South Manco

(Prover)

(Line)

Size

Coefficient

(24-Hour)

No.

No.

Initial

Annual

Company Cocidental Fetroleum Corp. Lease

Date of Completion: 7-13-61 Packer

Flow Data

 $h_{\mathbf{W}} p_{\mathbf{f}}$

Tested Through (Choke) (Moder)

(Choke)

(Orifice)

Size

3/4"

Unit _____Sec._6 Twp.__ Rge._5W Purchaser___

Casing 2-7/8" Wt. 6.5 I.D. Set at 3490 Perf. 3264

Tubing - Wt. I.D. Set at Perf. -

Gas Pay: From 1364 To 3336 L 3336 xG .650 -GL 2168

Producing Thru: Casing X Tubing Type Well Single-Bradenhead-G. G.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

pan,	An, Engineer REMARKS						JUL 25-1961			
irole	turn (erp.		n .85			TEIN.			
15.4		237.8		4.7	87	1132		1	.5768	
c ^Q	(F _c Q) ²		(F _c ⊊) ² (1-e ^{-s})		P _w 2	$P_c^2 - P_w^2$	Ca F	Pw Pc		
o ons_ 1-e ⁻⁸	3)	PRI	cf/bbl. deg.	ALCUI AT	Speci Speci	fic Gravi fic Gravi 1184		ring Fl		
Pressure psia		129	9,9901		0,9608	1.023		2776		
		FLOW CAL	l'emp.	Gravity Factor Fg	Compress. Factor Fpv		Rate of Flow Q-MCFPD 6 15.025 psia			
2	17		62					3 %		
	_					1092				
1	ss.	Diff.	Temp.	Press	g Data • Temp.	Press.	Temp.		Ouration of Flow Hr.	
	<u>e)</u>					Type Tap				
<u>3-61</u>		Packe	r	ED DATA	Reserve	oir Temp.				
X		Tu	lbing	Si	Type Wongle-Brade	ell Sing	G. or	G.O. D	ual	
					GL					
					erf					
					chaser		To	1336	 	
							ll No	}-		
	Fo	rmation	n Ple	bured C	liffe	County	Sea Jr		 -	
MU	LTI-	POINT I	BACK PRES	SSURE TE	est for ga	s wells		Revis	ed 12-1-5	

•	12.3650			227	0.9961	0,9608	1.023		2776
1									
vi	iquid Hydroc ty of Liquid 5.551	Hydroca		cf	SURE CALCULAT	Speci	fic Gravity fic Gravity	Separat	or Gas
Ī	P _w	Pt ²	F _c Q	(F _c Q) ²	(F _c ⊊) ² (1-e ^{-s})	P _w 2	P _c ² -P _w ²	Cal.	P _w P _c
	227	52.4	15.4	237.8	34.7	57	1139		1,0766
MP DR EN I'N	lute Potenti ANY Coo ESS T and TITLE ESSED ANY	idental 9 Plocks		Corp.	CFPD; n85		RE	EVA 25-196	
					REMARKS			CON. CO	M.

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 = 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.
- PwI 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.
- $h_{\mbox{\scriptsize W}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- \mathbf{F}_{DV} 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 $P_{\mathbf{t}}$.