Initial Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Date Test Filed 4-7-58	ool SOU	fth blanco p	.c.	Formati	on PICTURE	D CLIFF!	County_1	RIO ARRI	BA
Poperator Turns-100 Part Poperator	Purchasing Pi	ipeline KL PAS	O HATURAL	GAS CO	TAIT_	Date Tes	_	_	
asing: OD 7" WT. Set At 2157 Tubing: OD 2" WT. \$1.76 T. Perf. 2197 roduced Through: Cosing \$\frac{x}{x}\$ Tubing. Gas Gravity: Measured \$0.645\$ Estimated atte of Flow Test: From \$1-25-58\$ To \$1-31-58\$ * Date S.I.P. Measured \$5-15-57\$ Orlice Size \$1.000\$ Type Chart \$\frac{x}{34}\$ Rt. Type Taps \$\frac{y}{2}\$ Tabing constant pressure (Dwt) \$\frac{y}{2}\$ paid (\$\frac{y}{2}\$ (\$y	· Fin	MLTAC PETER							
Set At 2157 Tubing: OD 2n WT 4.74 T. Perf. 2197	-		_						
Tubing									
Company Comp	asing: OD_								
Description Test: From 1-23-58 To 1-31-58 * Date S.I.P. Measured 5-15-57	roduced Thre	ough: Casing	X Tu	bing	Gas Gravi	ity: Measure	0.645	Estimated	ii
Description	ate of Flow	Test: From 1-	23-58 To	1-31-5	8_ ∗ Date S.I.P	. Measured_	5-15-	57	
	leter Run Siz	ze4"	Or	ifice Size	1.000	Туре Cha	rt Sq. Rt.	Type Tops	Flang
Dowing casing pressure (Dwt)									
Lowing tabling pressure (Dwt)		_			-	-11-10	_		
Lowing meter pressure (Dwt)									
Normal chart reading						parg + 12		p	, (C
Square root chart reading (ensulanent (d	Kell.	nsia + 12	=	ne	sia (d
eler error (c) - (d) or (d) - (e)	Source test	chart reading /	12 v spring	constant		poig , 12			
Stitution loss, Flowing column to meter: (b) - (c) Flow through tubing; (a) - (c) Flow through casing =			, x spirity					-	
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	, ,		ter.	-			•		(-
even day average static meter pressure (from meter chart): Normal chart average reading 7.00 2 x sp. const. 5				ah casina			=	p:	si (f)
Normal chart average reading		=							
Square root chart average reading (7.00) 2 x sp. const. 5 = 245 psia (g Corrected seven day avge, meter press. (pf) (g) + (e) = 245 psia (t)	Normal char	t average reading				psig + 12	=		sia (g
Corrected seven day avge, meter press, $(p_f)(g) + (e)$ $t = (h) + (f)$	Sauare root	chart average reading	7.00) 2	x sp. const	5_				sia (g
E (h) + (f)									sia (h
eithead casing shut-in pressure (Dwt)			•						sia (i
ellhead tubing shut-in pressure (Dwt)		g shut-in pressure (D	wt)4	<u>58</u>		psig + 12	=	470 p	sia (j
Summary Summ						psig + 12	=	P	sia (k
Downing Temp. (Meter Run) 16			d through				=	ł70 p	sia (l
$= \underbrace{\begin{array}{c} \text{Company} \\ Compa$	Flowing Temp.	(Meter Run)	_	<u>46</u> •F+	460				Ābs (m
$= \underbrace{\begin{array}{c} FLOW RATE CALCULATION \\ V(d) \end{array}}_{=} = \underbrace{\begin{array}{c} P_c^2 - P_d^3 \\ P_c^2 - P_w^2 \end{array}}_{=} = \underbrace{\begin{array}{c} DELIVERABILITY CALCULATION \\ P_c^2 - P_w^2 \end{array}}_{=} = \underbrace{\begin{array}{c} 165.700 \\ P_c^2 - P_w^2 \end{array}}_{=} = \underbrace{\begin{array}{c} 165.700 \\ 160.900 \end{array}}_{=} = \underbrace{\begin{array}{c} 270 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} SUMMARY \\ P_c^2 - P_w^2 \end{array}}_{=} = \underbrace{\begin{array}{c} 165.700 \\ P_c^2 - P_w^2 \end{array}}_{=} = \underbrace{\begin{array}{c} 165.700 \\ 160.900 \end{array}}_{=} = \underbrace{\begin{array}{c} 1.025 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 270 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 270 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 1.025 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 270 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 1.025 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 270 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 1.025 \\ MCF/da. \end{array}}_{=} = \underbrace{\begin{array}{c} 1.025$	Pd = 1/2 Pc = 1/2	(1)					=	2 35 p	sia (n
P c - P w = 160.900		d) 			1				MCF/da
		(F	2 - Pw/= 16	0.900			=	· · ·	CF/da.
W = 245	c =	470		psiα	Company	MI-IV	K PKTRO	CO	
This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) (F _c Q)2 (1-e^-s) Pt ² Pt ² + R ² Pw	=	<u> 205</u>			Ву	Jugit	di	- Cor	C/S
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	w=	245		-		/		THER	
This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) $(F_cQ)^2$ $(1-e^{-s})$ P_t^2 $P_t^2 + R^2$ P_w	d =	272		•		d by			
Meter error correction factor $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	=			Mct/day	Company			 	
GL (1-e ^{-s}) (F _c Q)2 (F _c Q)2 (1-e ^{-s}) P_t^2 $P_t^2 + R^2$ P_w		-							
GL $(1-e^{-s})$ $(F_cQ)^2$ $(1-e^{-s})$ P_t^2 $P_t^2 + R^2$ P_w	Meter error co	rrection factor							
GL $(1-e^{-s})$ $(F_cQ)2$ R^2 $(Column i)$ $P_t^2 + R^2$ P_w			REMA			ATIONS			
	GL	(1-e ^{-s})	(F _c Q)2	(Fo				$P_t^2 + R^2$	Pw
PLACTOR REGISTRA				Post at 4					
150111111				FIZELL	on meRTTR	AUAG PER	1111		
						170	1111111		
						7 1	1058	1	