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)

Pool South Blanco Picture	CLILL	$_{ m Form}$ ation $_{ m -}$	Pictured Cliff	County_	an Juan	
Purchasing Pipeline El Paso	tural Gas C	CHIPONY	Date Te	est Filed	-	
Operator El Paso Natural Ge	as Company L	ease	Schwerdtfeger	Well	No. 2-A	-
Unit_ B Sec 21	Twp. 271	_Rge 8 \	Pay Zone: From _2	38 9	To 2478	
Casing: OD 7 WT.						4
Produced Through: Casing						
						•
Date of Flow Test: From						
Meter Run Size4	Orific	e Size	Type Ch	arbe. neor	Type Taps_ F_E	nge
		OBSERVE	D DATA			
Flowing casing pressure (Dwt)			psig + l	2 =	psia	(a)
Flowing tubing pressure (Dwt)			psig + 1	2 =	psia	(b)
Flowing meter pressure (Dwt)			psig + l	2 =	psia	(c)
Flowing meter pressure (meter reading				0		(3)
Normal chart reading Square root chart reading (\ 2 ai-a-a		psig + l	2 =	psia	(d)
Meter error (c) - (d) or (d) - (c)) ~ x spring co	<u>+</u>		=		(e)
Friction loss, Flowing column to mete	er:	_			•	` '
(b) - (c) Flow through tubing: (a) -		casing		=	psi	(f)
Seven day average static meter pressu	ire (from meter cho	art):				
Normal chart average reading				2 =	psia 256 psia	(g)
Square root chart average reading ((g) (h)
Corrected seven day avge. meter positive $P_{+} = (h) + (f)$	less. (pf) (g) (c)			=		(i)
					900	14/
	t)	811	psig + l	2 =	823 psia	
Wellhead casing shut-in pressure (Dw Wellhead tubing shut-in pressure (Dwt		811 811	psig + l		823 psia	(j)
Wellhead casing shut-in pressure (Dw	through	811	psig + l		823 psia 823 psia	(j) (k (1)
Wellhead casing shut-in pressure (Dw Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run)			psig + l		823 psiα 823 psiα	(j) (k) (l) (m
Wellhead casing shut-in pressure (Dw Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed	through 43	811 •F + 460	psig + l		823 psia 823 psia	(j) (k) (l) (m
Weilhead casing shut-in pressure (Dw Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run)	through43	811	psig + l		823 psiα 823 psiα	(j) (k) (l) (m)
Weilhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_C = \frac{1}{2} (1)$		*F + 460 RATE CALC	psig + l	2 =	823 psia 823 psia • Abs 412 psia	(j) (k (l) (m (n
Wellhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_C = \frac{1}{2} (1)$	#3 FLOW V(d) DELIV - P3 =	### ##################################	CALCULATION CALCULATION	2 =	823 psia 823 psia • Abs 412 psia	(j) (k (l) (m (n
Wellhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwt $P_C = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_C = \frac{1}{2} (1)$	#3 FLOW V(d) DELIV - P3 =	### ##################################	CULATION CALCULATION CALCULATION .8297	2 =	823 psia 823 psia • Abs 412 psia	(j) (k (1) (m (n
Wellhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}} X$		### ##################################	CALCULATION CALCULATION	2 =	823 psia 823 psia • Abs 412 psia MCF/	(j) (k (1) (m (n
Weilhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q = \frac{1075}{\text{P}_{c}^{2}}$	#3 FLOW V(d) DELIV - P3 =	### ##################################	CULATION CALCULATION CALCULATION .8297	2 =	823 psia 823 psia • Abs 412 psia MCF/	(j) (k (1) (m (n
Wellhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) P _d = ½ P _C = ½ (1) Q = 1075 X SUMMARY	#3 FLOW V(d) DELIV - P3 =	811 •F + 460 RATE CALC = ERABILITY 585 793	CULATION CALCULATION 8297 8532	2 =	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k (1) (m (n
Weilhead casing shut-in pressure (Dwi Weilhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{SUMMARY}}$ $P_{C} = \frac{823}{823}$	#3 FLOW V(d) DELIV - P3 =	811 •F + 460 RATE CALC = ERABILITY 585 793 psia	CALCULATION CALCULATION 8297 8532 Company El Paso	2 =	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k) (1) (m) (n)
Wellhead casing shut-in pressure (Dw: Wellhead tubing shut-in pressure (Dw: P_c = (j) or (k) whichever well flowed of Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_c = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q = \frac{1075}{\text{SUMMARY}}$ $P_c = \frac{823}{\text{Q}} = \frac{1075}{\text{IO75}}$	#3 FLOW V(d) DELIV - P3 =	811 •F + 460 RATE CALC = ERABILITY 585 793	CALCULATION CALCULATION 8297 8532 Company El Paso By Original	2 = = = = 	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k) (1) (m) (n)
Weilhead casing shut-in pressure (Dwi Weilhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{SUMMARY}}$ $P_{C} = \frac{823}{823}$	#3 FLOW V(d) DELIV - P3 =	811 PF + 460 RATE CALC ERABILITY 585 793 psia Mcf/day	CALCULATION CALCULATION 8297 8532 Company El Paso By Original	2 =	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k) (l) (m) (n)
Wellhead casing shut-in pressure (Dw: Wellhead tubing shut-in pressure (Dw: P_c = (j) or (k) whichever well flowed of Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_c = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{SUMMARY}}$ $P_c = \frac{823}{1075}$ $Q = \frac{1075}{1075}$	#3 FLOW V(d) DELIV - P3 =	*F + 460 RATE CALC = ERABILITY 585 793 psia Mcf/day psia	CULATION CALCULATION .8297 .8532 Company El Paso By Original Title Lewis D.	2 = = = = 	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k) (1) (m) (n)
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Wellhead casing shut-in pressure (Dwi Wellhead tubing shut-in pressure (Dwi P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{SUMMARY}}$ $P_{C} = \frac{823}{2}$ $Q = \frac{1075}{2}$ $P_{w} = \frac{256}{2}$ $P_{d} = \frac{112}{2}$ $D = \frac{1}{2}$	FLOW V(c) V(d) DELIV 1 - P _d ² = 507, 611,	*F + 460 RATE CALC ERABILITY 585 793 psia Mcf/day psia psia Mcf/day	CALCULATION	2 =	823 psia 823 psia • A bs 412 psia MCF/6	(j) (k) (1) (m) (n)
Wellhead casing shut-in pressure (Dw) Wellhead tubing shut-in pressure (Dw) $P_c = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_c = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{P}_c}$ SUMMARY $P_c = \frac{823}{1075}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ This is date of completion test.	FLOW V(c) V(d) DELIV 1 - P _d ² = 507, 611,	*F + 460 RATE CALC ERABILITY 585 793 psia Mcf/day psia Mcf/day s OR FRICTIO	CALCULATION CALCULATION 8297 8532 Company El Paso By Original Title Lewis D. Witnessed by Company Company Company Company Company Company Company	2 =	823 psia 823 psia Abs 112 psia MCF/	(j) (k (1) (m (n
Wellhead casing shut-in pressure (Dw) Wellhead tubing shut-in pressure (Dw) $P_c = (j)$ or (k) whichever well flowed Flowing Temp. (Meter Run) $P_d = \frac{1}{2} P_c = \frac{1}{2} (1)$ $Q = \frac{1075}{\text{(integrated)}}$ $D = Q \frac{1075}{\text{P}_c}$ SUMMARY $P_c = \frac{823}{1075}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ $Q = \frac{1075}{112}$ This is date of completion test.	FLOW V(c) V(d) DELIV 1 - P _d ² = 507, 611,	*F + 460 RATE CALC ERABILITY 585 793 psia Mcf/day psia psia Mcf/day	CALCULATION	2 =	823 psia 823 psia Abs 112 psia MCF/	(j) (k (1) (m (n
Wellhead casing shut-in pressure (Dw' Wellhead tubing shut-in pressure (Dw' P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) P _d = ½ P _C = ½ (1) Q =	through $ \frac{\text{FLOW}}{\text{V(c)}} $ $ \frac{\text{V(d)}}{\text{DELIV}} $ $ \frac{\text{P}_{d}}{\text{P}_{w}^{2}} = \frac{\text{507.}}{\text{611.}} $ REMARK	*F + 460 RATE CALC ERABILITY 585 793 psia Mcf/day psia Mcf/day s OR FRICTIO	CALCULATION CALCULATION 8297 8532 Company El Paso By Original Title Lewis D. Witnessed by Company Company Company Company Company Company Company	2 =	823 psia 823 psia Abs 112 psia MCF/	(j) (k) (l) (m) (n)
Wellhead casing shut-in pressure (Dw' Wellhead tubing shut-in pressure (Dw' P _C = (j) or (k) whichever well flowed Flowing Temp. (Meter Run) P _d = ½ P _C = ½ (1) Q =	through $ \frac{\text{FLOW}}{\text{V(c)}} $ $ \frac{\text{V(d)}}{\text{DELIV}} $ $ \frac{\text{P}_{d}}{\text{P}_{w}^{2}} = \frac{\text{507.}}{\text{611.}} $ REMARK	PRATE CALC RATE CALC ERABILITY 585 793 Psia Mcf/day psia psia Mcf/day S OR FRICTIC (FcQ) 2	CALCULATION	2 =	823 psia 823 psia Abs 112 psia MCF/	(j) (k) (l) (m) (n)

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