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

72-308

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

Flowing tubing pressure (Dwt)	Pool	Blanco	<u> </u>			_Forma	tion.	Mesa Ve	rde		County_	Rio A	Arriba_	
	Purchasing Pi	peline	El Par											
Unit N Sec. 9 Twp 21 Rge. 7 Pay Zone; From 5400 To 5646 Cosing; OD 5-1/2 WT 15-1/2 Set At 5716 Tubing; OD 2 WT 4.7 T. Peri. 5590 Produced Through: Cosing Tubing X Gas Gravity; Measured 685 Estimated Date of Flow Test: From 10/15/58 To 10/22/58 - Date S.I.P. Measured 1/21/58 (37 days) Meter Run Size Onlice Size Type Chort: Type Chort: Type Taps OBSERVED DATA Towing cosing pressure (Dwt) Pair 12 Pair 12 Pair 12 Pair 13 Pair 14 Pair 14 Pair 14 Pair 15 Pair 16 Pair	Operator E	l Paso I	latural	Gas	I	_ease		San Juan	28-7		Well	No. 93	5 (M)	
Casing: OD 5-1/2 WT 15-1/2 Set At 5716 Tubing: OD 2 WT 4.7 T. Perf. 5550	Unit N	Sec.	9	T wp	27	Rae.	7	Pav Zone:	From					
Tubing X Gas Gravity: Measured Measu													erf. 5 5	90
Date of Flow Test: From 10/15/58 To 10/22/58 * Date S.I.P. Measured 1/21/58 (37 days)	Produced Thro													
Moter Run Size			_			_								
Flowing cosing pressure (Dwt)	Meter Run Size	e			Orifi	ce Size .			Type (Chart		Туре	Taps	
Flowing meter pressure (Dwt) paid peasure (Dwt) paid paid peasure (Dwt) paid paid paid paid paid paid paid paid						OBSE	RVE	ED DATA						
Clowing meter pressure (Dwt)													-	(a
Clowing meter pressure (netter reading when Dwt, measurement taken: Normal chart reading ((b
Normal chart reading $($									_psig T	12 –			psid	(c
Meter error (c) - (d) or (d) - (c) 2		,							_psig +	12=			psia	(d
Fiction loss, Flowing column to meter: (b) - (c) Flow through tubing; (a) - (c) Flow through casing pai pa	Square root c	hart reading	ı () ² x s	spring co	onstant				=_			psia	(d
Seven day average static meter pressure (from meter chart):	Meter error (c) -	(d) or (d) -	(c)			±				=			psi	(e
ieven day average static meter pressure (from meter chart): Normal chart average reading (7.05) 2 x sp. const. (7.05) $^$	•	-				***								
Normal chart average reading $(7.05)^2 \times sp$, const.										=		·	psi	(f)
Square root chart average reading (7.05) 2 x sp. const. 10 = 497 psia Corrected seven any avge, meter press. (pf) (g) + (e) = 497 psia psia psia psia psia psia psia psia			-		meter ch	art):				10				
Corrected seven day avge, meter press, (p_{l}) (q) + (e) (p_{l}) + (f) + (f) psid peta peta peta peta peta peta peta peta	Normal chart	average rec	aing	7.05) 2 v .	en const		10	_psig +	- 12 =	1	197	-	(g (~
P ₁ = (h) + (f) F P ₂ P ₃ P ₃							•				1	1 97	•	(g (h
Melhead casing shut-in pressure (Dwt)		remady avg	o, motor j	, (pI)	(9) (0)	,				=_	1	197	-	(i)
Note	•	shut-in pres	ssure (Dv	/t)					_psig +	12 =			•	(i)
Company Comp								1056	_psig +	12 =			· ·	(k
FLOW RATE CALCULATION	$C_C = (j) \text{ or } (k) \text{ w}$	hichever we	ll flowed	through	_					=			psia	(1)
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	Flowing Temp. (Meter Run)		-	69	•F	+ 460	0		=			•Abs	(m
$\begin{array}{c} = & \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$P_d = \frac{1}{2} P_c = \frac{1}{2} ($	1)								=		34	psia	(n
SUMMARY P)	x	2 -2)	Λ(q)	ERABIL	LITY	CALCULATI	ON		·	41	MCF,	/da
C = 1068	= Q 41		- [P	$\left(\frac{1}{2} - P_w^2\right) = \frac{1}{2}$	855 893	5468 3615	_ n	•9 5 7	73 78	=		10	MCF/	da.
Mcf/day W = 497 Desia Title Desia Witnessed by Mcf/day Company This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2+R2 Pw R2 (Column i) Friction Negligible Friction Negligible	1000	_				psia		Company	El F	eso Na	atural	Gas		
psia Title Harold L. Kendrick psia Witnessed by Company This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) (FcQ)2 (1-e^-s) Pt^2 Pt^2 Pw R2 (Column i) Friction Negligible	=	•				Mcf/day				Origi	nal Sign	10d		
This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2 + R2 Pw Friction Negligible Friction Negligible	w					_psia		Title						
This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) (FcQ)2 (1-e^-s) Pt^2 Pt^2 + R^2 Pw Friction Negligible Friction Negligible						•		Witnessed by	/		Q L. Nell	urick		
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 Friction Negligible	=40	<u> </u>				. Mcf/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 Friction Negligible		•		В	EM A DIZ		· CTI C		vove.					
GL (1-e-v) (F _c Q)2 R2 (Column i) P _t 2 + R2 P _w		- "	т	<u></u>	LIVIARK				TOMP		,			
	GL	(1-e ^{-s})		(F _c Q)	2	(F	(cQ) 4	• •				P _t ² +	R ²	P _w
D at 500 = 40 (NO. 1 2 1958 OIL CON. COM.) DIST. COM.						Fric	tic	n Negligit	ale	,				
	D at 500	= 40								100	NOUT.	2 /958 COM.		