

Initial  
Deliverability Test

## GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT  
BARKER DOME STORAGE AREA)72817 Pool BLANCO Lease SAN JUAN 27 4 No. 25Formation MV Unit M S 30 T 27 R 04 Pay Zone 5772 to 5881 Cty. RACasing - OD 5500 Wt. 1550 Set at 5942 Tubing - OD 2000 Wt. 0470 L 5851 (T. Perf.)Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

## OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From	<u>020661</u>	To <u>021461</u>	<u>110360</u>
			O.D. <u>2.000</u>

Deadweight Flowing Pressure, psia			
Casing	<u>(a)</u>	Tubing	<u>(b)</u>
		Meter	<u>(c)</u>
			Wt. <u>4.70</u>

Flowing Pressure, psia		Deadweight Shut-in Pressure, psia		Length
Chart	<u>(d)</u>	Tubing	<u>1150 (k)</u>	
			<u>1150 (j)</u>	<u>5851</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0 (e)</u>	<u>0 (f)</u>	Chart <u>563 (g)</u> Corrected <u>563 (h)</u>

## FRICTION CALCULATION

Grav. .673  $P_t =$  563 (i)  $GL =$  3938  $(1-e^{-s}) =$  .249

$(F_c Q)^2 =$  20794  $(1-e^{-s})(F_c Q)^2 = R^2 =$  5178  $p_t^2 =$  316969  $p_w^2 =$  322147

## FLOW RATE CALCULATION

$Q =$  485  $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$  485

## DELIVERABILITY CALCULATION

$D = Q$  485  $\times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$  .9915  $=$  .9936  $=$  482

## SUMMARY

 $P_c =$  1150 $Q =$  485 $P_w =$  568 $P_d =$  575 $D =$  482D at 250 or 500 505

Note:

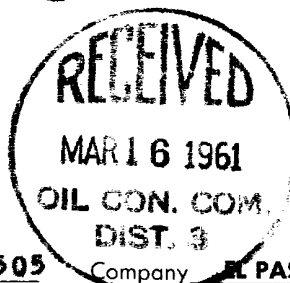
250# for P.C.

500# for M.V.

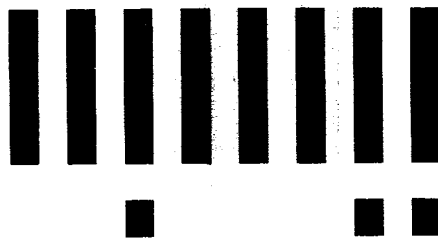
Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By \_\_\_\_\_

Company \_\_\_\_\_







**LTR**



**Job separation sheet**

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator El Paso Natural Gas Company	
Address Box 990, Farmington, New Mexico 87401	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 27-4 Unit	Well No. 25	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee <input checked="" type="checkbox"/>	Lease No. SF 080670
Location				
Unit Letter M ; 890 Feet From The South Line and 1180 Feet From The West				
Line of Section 30 Township 27N Range 4W, NMFM, Rio Arriba County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 990, Farmington, New Mexico 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	501 Airport Drive, Farmington, New Mexico 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	M 30 27N 4W

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

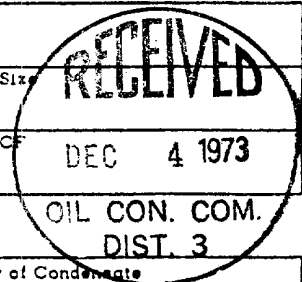
TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF



GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

DORA C. BRISCO
(Signature)
(Title)
JAN 1 1974
(Date)

OIL CONSERVATION COMMISSION

APPROVED	FEB 7 1974	, 19
BY	Original Signed by A. R. Kendrick	
TITLE	PETROLEUM ENGINEER DIST. NO. 2	

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Form C-104 must be filed for each pool in multiply