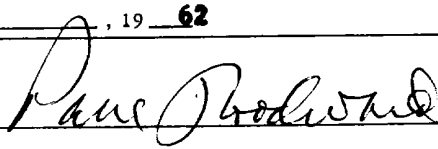


<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2">NUMBER OF COPIES RECEIVED</td></tr> <tr><td colspan="2">DISTRIBUTION</td></tr> <tr><td>SANTA FE</td><td></td></tr> <tr><td>FILE</td><td></td></tr> <tr><td>U.S.G.S.</td><td></td></tr> <tr><td>LAND OFFICE</td><td></td></tr> <tr><td>TRANSPORTER</td><td>OIL</td></tr> <tr><td></td><td>GAS</td></tr> <tr><td>PRODUCTION OFFICE</td><td></td></tr> <tr><td>OPERATOR</td><td></td></tr> </table>	NUMBER OF COPIES RECEIVED		DISTRIBUTION		SANTA FE		FILE		U.S.G.S.		LAND OFFICE		TRANSPORTER	OIL		GAS	PRODUCTION OFFICE		OPERATOR		<p>NEW MEXICO OIL CONSERVATION COMMISSION</p> <p>SANTA FE, NEW MEXICO</p> <p>CERTIFICATE OF COMPLIANCE AND AUTHORIZATION</p> <p>TO TRANSPORT OIL AND NATURAL GAS</p>	<p>FORM C-110</p> <p>(Rev. 7-60)</p>
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Company or Operator Western Natural Gas Company		Lease Bonnie C. Schlosser-Federal																				
Unit Letter C	Section 10	Well No. 1																				
Township 27-N	Range 11-W	County San Juan																				
Pool Basin Dakota		Kind of Lease (State, Fed, Fee) Federal																				
If well produces oil or condensate give location of tanks	Unit Letter C	Section 10																				
	Township 27-N	Range 11-W																				
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)																				
McWood Corporation		Box 1702 Farmington, New Mexico																				
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																						
Authorized transporter of casing head 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)																				
El Paso Natural Gas Company		Box 997 Farmington, New Mexico																				
Date Connected 12-29-59																						
If gas is not being sold, give reasons and also explain its present disposition:																						
REASON(S) FOR FILING (please check proper box)																						
<table style="width: 100%;"> <tr> <td>New Well <input type="checkbox"/></td> <td>Change in Ownership <input type="checkbox"/></td> </tr> <tr> <td>Change in Transporter (check one)</td> <td>Other (explain below)</td> </tr> <tr> <td>Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/></td> <td></td> </tr> <tr> <td>Casing head gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/></td> <td></td> </tr> </table>			New Well <input type="checkbox"/>	Change in Ownership <input type="checkbox"/>	Change in Transporter (check one)	Other (explain below)	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>		Casing head gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>													
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Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>																						
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Effective October 1, 1962																						
<div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center;"> <p>RECEIVED</p> <p>OCT 9 1962</p> <p>U.S. GEOLOGICAL SURVEY</p> <p>ALBUQUERQUE, N.M.</p> </div> </div>																						
Remarks Condensate transporter changed to McWood Corporation from El Paso Natural Gas Products Company effective October 1, 1962.																						
The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.																						
Executed this the <u>8</u> day of <u>October</u> , 19 <u>62</u>																						
OIL CONSERVATION COMMISSION		By 																				
Approved by	Original Signed by W. B. Smith	Title Office Manager																				
Title	Company WESTERN NATURAL GAS COMPANY																					
Date	Address 823 Midland Tower Midland, Texas																					
OCT 9 1962																						

Initial Deliverability
Test

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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed January 8, 1962
Operator Western Natural Gas Company Lease Schlusser-Federal Well No. 1
Unit 6 Sec. 10 Twp. 27-N Rge. 11-W Pay Zone: From 6630 To 6666
Casing: OD 7" WT. 23 Set At 6828 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 6623
Produced Through: Casing Tubing X Gas Gravity: Measured .681 Estimated
Date of Flow Test: From 11-26-61 To 12-4-61 * Date S.I.P. Measured 12-11-61
Meter Run Size 4.026 Orifice Size 1.750 Type Chart L-10 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) Packer psig + 12 = psia (a)
Flowing tubing pressure (Dwt) 513 psig + 12 = 525 psia (b)
Flowing meter pressure (Dwt) 460 psig + 12 = 452 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading psig + 12 = psia (d)
Square root chart reading (6.90)² x spring constant 10 = 476 psia (d)
Meter error (c) - (d) or (d) - (c) = 24 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing = 73 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading psig + 12 = psia (g)
Square root chart average reading (6.95)² x sp. const. 10 = 483 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 459 psia (h)
P_t = (h) + (f) = 532 psia (i)
Wellhead casing shut-in pressure (Dwt) Packer psig + 12 = psia (j)
Wellhead tubing shut-in pressure (Dwt) 1323 psig + 12 = 1335 psia (k)
P_c = (j) or (k) whichever well flowed through = 1335 psia (l)
Flowing Temp. (Meter Run) 87 °F + 460 = 547 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 668 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{896}{(\text{Integrated})} \times \left(\frac{\sqrt{(c)} = 21.26}{\sqrt{(d)} = 21.82} = .9743 \right) = 873 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{873}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{1,136,001}{1,477,521} \right]^n} \frac{.75}{(.9042)} = .9278 = 810 \text{ MCF/day}$$

SUMMARY

P_c = 1335 psia
Q = 873 Mcf/day
P_w = 552 psia
P_d = 668 psia
D = 810 Mcf/day

* This is date of completion test.
* Meter error correction factor

Company Western Natural Gas
By W. B. Cook
Title Division Petroleum
Witnessed by Paul Varner
Company Western Natural



REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-s})	(F _c Q) ²	(F _c Q) ² (1-e ^{-s}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
4510	0.267	79.263	21.163	283.024	304.187	552

