

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 Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator Pioneer Prod. Corp. Lease Phillips Well No. 2
Unit P Sec. 22 Twp. 28N Rge. 11W Pay Zone: From 6051 To 6056
Casing: OD 5 1/2 WT. 15.5 Set At 6234 Tubing: OD 2 1/2 WT. 4.7 T. Perf. 6136
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .664 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 5-21-61
Meter Run Size 4" Orifice Size 2.050" Type Chart SR Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) 1259 psig + 12 = 1271 psia (a)
Flowing tubing pressure (Dwt) 1057 psig + 12 = 1069 psia (b)
Flowing meter pressure (Dwt) 515 psig + 12 = 527 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (7.3)² x spring constant 10 = 533 psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ psi (e)
Friction loss, Flowing column to meter: _____
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.55)² x sp. const. 10 = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ psia (h)
P_t = (h) + (f) _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1222 psig + 12 = 1234 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1222 psig + 12 = 1234 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ psia (n)

FLOW RATE CALCULATION

$$Q = \frac{4369}{2300} \times \left(\frac{\sqrt{(c)} = \frac{1000}{9237} = .2925}{\sqrt{(d)} = \frac{1000}{9237} = .2925} \right) = \frac{4369}{2300} \text{ MCF/day}$$

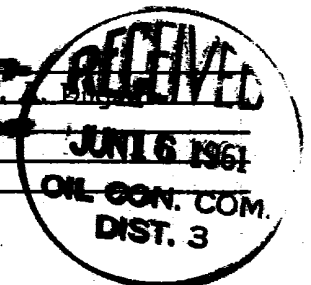
DELIVERABILITY CALCULATION

$$D = Q \frac{4369}{2300} \left[\frac{(P_c^2 - P_d^2) = 2,822,700}{(P_c^2 - P_w^2) = 2,162,700} \right]^n \frac{.75}{(1.8010) .75} = 5,547 \text{ MCF/day}$$

SUMMARY

P_c = 1240 psia
Q = 4369 Mcf/day
P_w = 1266 psia
P_d = 970 psia
D = 5,547 Mcf/day

Company Pioneer Prod. Corp.
By Original signed by T.
Title Consulting Engineer
Witnessed by _____
Company _____



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

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
4975	.256	1703.609	435.124	1157.775	1592.899	1266

NUMBER OF COPIES RECEIVED	
DISTINCTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

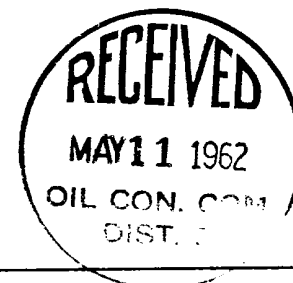
Company or Operator PIONEER PRODUCTION CORPORATION				Lease PHILLIPS		Well No. 2	
Unit Letter P	Section 22	Township 28N	Range 11W	County SAN JUAN			
Pool BASIN DAKOTA				Kind of Lease (State, Fed, Fee) FEDERAL			
If well produces oil or condensate give location of tanks		Unit Letter P	Section 22	Township 28N	Range 11W		
Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/> PLATEAU, INC.				Address (give address to which approved copy of this form is to be sent) BOX 567 BLOOMFIELD, 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"/> EL PASO NATURAL GAS CO.		Date Connected	Address (give address to which approved copy of this form is to be sent) BOX 997 . FARMINGTON, NEW MEXICO				

If gas is not being sold, give reasons and also explain its present disposition:

REASON(S) FOR FILING (please check proper box)

New Well ☐
 Change in Transporter (check one)
 Oil ☐ Dry Gas ☐
 Casing head gas . ☐ Condensate.. ☒

Change in Ownership ☐
 Other (explain below)



Remarks

CHANGE OF PURCHASER OF CONDENSATE FROM McWOOD CORP. TO PLATEAU, INC.
 EFFECTIVE 6-1-62.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 8 day of MAY, 19 62.

OIL CONSERVATION COMMISSION		By (ORIGINAL SIGNED) E. S. MORRIS	E. S. MORRIS
Approved by Original Signed by W. B. Smith		Title VICE PRESIDENT	
Title DEPUTY OIL & GAS MGR FOR DIST. NO. 2		Company PIONEER PRODUCTION CORPORATION	
Date MAY 11 1962		Address P. O. BOX 2542 AMARILLO, TEXAS	