

CONTINENTAL OIL COMPANY

Hobbs, New Mexico
June 26, 1956

TO: Mr. E. V. Bynton - Hobbs, New Mexico

SUBJECT: GAS WELL BACK PRESSURE TEST WELL Skaggs 8-14 No. 1
POOL Bumont
LOCATION L 14-20-37

An 8 hour back pressure test was conducted on subject well on 6-20-56 to determine the theoretical open flow capacity of the Queen gas zone at zero bottom hole pressure and the deliverability characteristics at various rates of flow. Well is producing from Perforations at 3548-3638. A calculated open flow potential of 9,115 MCF of gas per day was obtained.

Attached are curves representing the calculated open flow potential and deliverability and a chart tabulating the data obtained by this test.

Calculated open flow potential: 9,115 MCF/GPD
Deliverability at 600 lbs. psi: 6,400 MCF/GPD
Deliverability at 150 lbs. psi: 9,000 MCF/GPD
Shut in pressure: 1083.2 lbs. psia



Gas Tester

CC:

*Case 1154
Exhibit No. 3*

BEFORE THE
OIL AND GAS COMMISSION
SANTA FE, NEW MEXICO
1154 EXHIBIT No. 3
CASE 1154

CONTINENTAL OIL COMPANY
 HOBBS DISTRICT
 GAS WELL DATA

VOLUME
 (CALCULATED FORD)

WORKING
 WENTHEAD PRESSURE (PSIA)

I.H.P.²

P_c² - P_w²

Q₁ 850
 Q₂ 1700
 Q₃ 3081
 Q₄ 4383

P_c - 1083.2
 P_{w1} - 1024.2
 P_{w2} - 976.2
 P_{w3} - 913.2
 P_{w4} - 722.2

P_c² 1173 M
 P_{w1}² 1049 M
 P_{w2}² 953 M
 P_{w3}² 834 M
 P_{w4}² 522 M

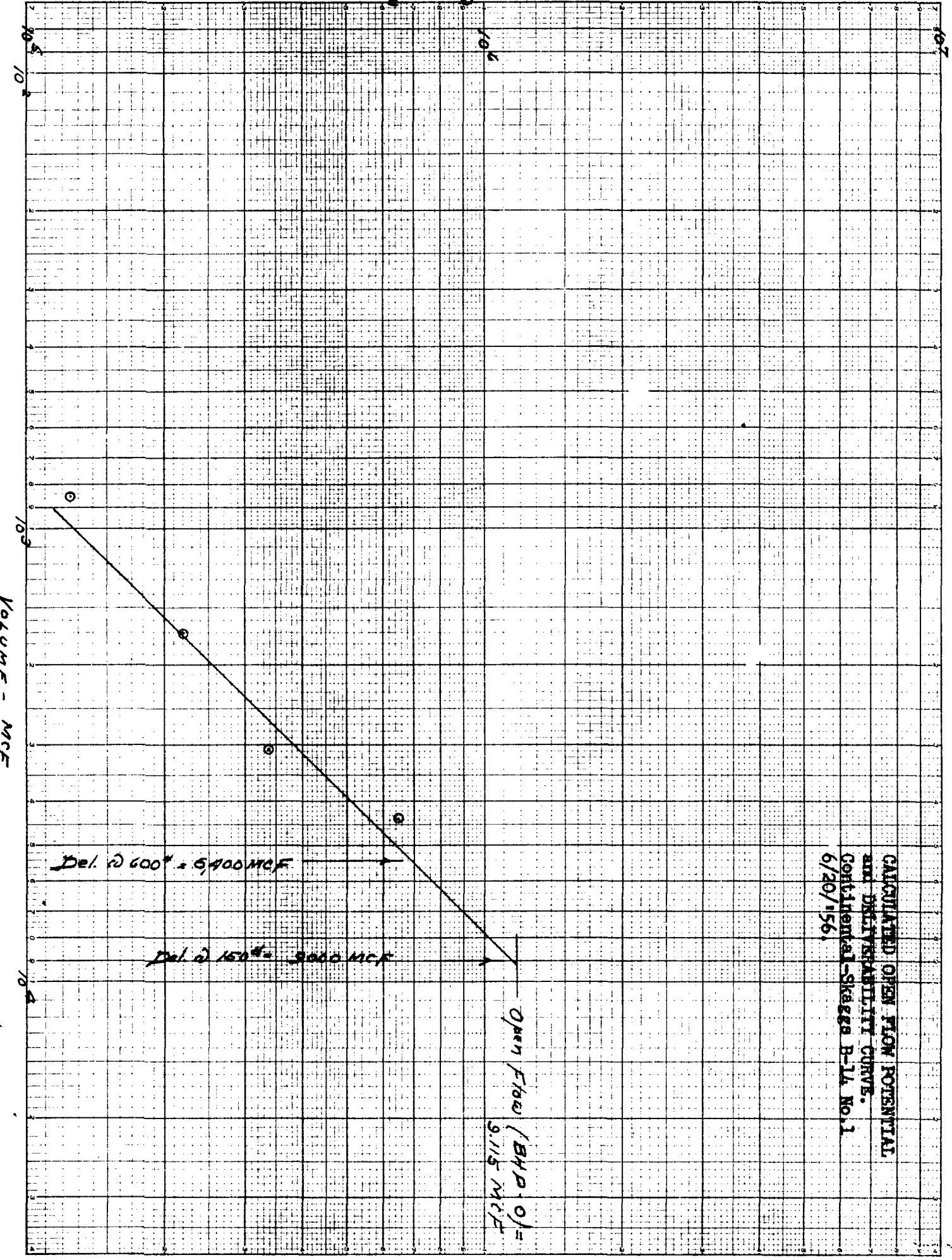
124 M
 220 M
 339 M
 651 M

Volumes were corrected for specific gravity, flowing temperature, atmospheric pressure and supercompressibility when applicable.

Specific Gravity .680
 GRM Content NA
 CO₂ Content NA
 H₂S Content NA
 Water Production 0
 Distillate Production 0
 Distillate Gravity -



P2 - P2



CALCULATED OPEN FLOW POTENTIAL
 and DIFFERENTIABILITY CURVE.
 Continental-Skeggs B-14 No. 1
 6/20/1956.

Open Flow (BHP 0) =
 9.15 MCF

Del. @ 600' = 5400 MCF

Del. @ 150' = 3000 MCF

VOLUME - MCF