

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Eumont 1957 FEB 14 Devon Lea County Lea
Initial _____ Annual _____ Special X Date of Test 12-13-56 to 12-14-56
Company The Superior Oil Company Lease State 175 Well No. 1
Unit I Sec. 11 Twp. 21S Rge. 35E Purchaser El Paso Natural Gas Company
Casing 7 Wt. 20 I.D. 6.456 Set at 3915 Perf. 3780 To 3790
Tubing 2 1/2 Wt. 6.5 I.D. 2.441 Set at 3802 Perf. 3854 To 3870
Gas Pay: From 3780 To 3790 L 3780 xG .655 -GL 2475 Bar.Press. 13.2
Producing Thru: Casing X Tubing _____ Type Well G. O. Dual
Date of Completion: 8-6-55 Packer 3767 - 3802 Reservoir Temp. -

OBSERVED DATA

Tested Through (Prover) (XXXX) (XXXX)

Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (XXXX) Size	(XXXX) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.
SI									
1.	2	0.123	304		57			551	24
2.	2	0.187	258		60			304	3
3.	2	0.218	246		48			258	3
4.	2	0.250	225		47			246	3
5.	2	0.250	212		52			225	3
								212	24

Well would not produce into El Paso Natural Gas Company's High pressure Line.

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	0.3418		317.2	1.0029	0.9571	1.032	107
2.	0.7851		271.2	1.000	0.9571	1.026	209
3.	1.0834		259.2	1.0117	0.9571	1.029	280
4.	1.4030		238.2	1.0127	0.9571	1.027	333
5.	1.4030		225.2	1.0078	0.9571	1.024	312

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 0.825 (1-e^{-s}) 0.157

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 564.2 P_c 318.3

Slope greater than 1.000 - average slope of 1.000 drawn through 24 hr. point.

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	317.2	100.6	0.088	.008	.0013	100.6	217.7	317.2	56.2
2.	271.2	73.5	0.172	.030	.0047	73.5	244.8	271.2	48.1
3.	259.2	67.2	0.231	.053	.0083	67.2	251.1	259.2	45.9
4.	238.2	56.7	0.275	.076	.0119	56.7	261.6	238.2	42.2
5.	225.2	50.7	0.257	.066	.0104	50.7	267.6	225.2	39.9

Absolute Potential: 363 MCFPD; n 1.000COMPANY THE SUPERIOR OIL COMPANYADDRESS Midland, TexasAGENT and TITLE J. B. Burton (Gas Engineer)

WITNESSED _____

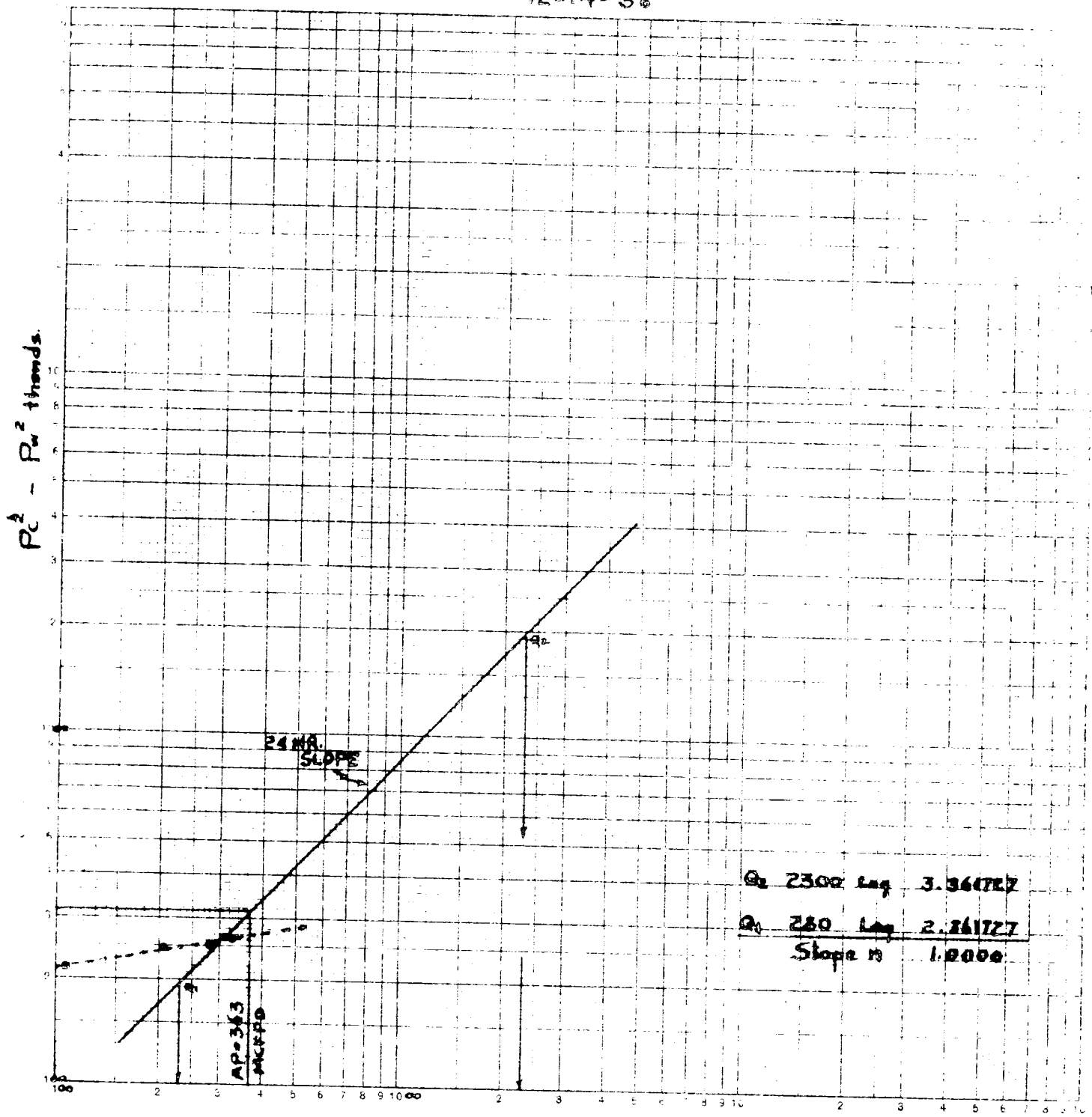
COMPANY _____

THE SUPERIOR OIL CO.

STATE 175 °1

Sec. 11 - T21S - R35E Lea. N.M.

12-14-56



Q MCFPD

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator The Superior Oil Company Lease State

Well No. 1-175 Unit Letter I S 11 T 21S R 35E Pool Rumont (Oil)

County Lea Kind of Lease (State, Fed. or Patented) State

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate _____

Address _____
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas Phillips Petroleum Company

Address Box 6666, Odessa, Texas
(Give address to which approved copy of this form is to be sent)

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

Reasons for Filing: (Please check proper box) New Well (X)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks: _____
(Give explanation below)

Casinghead gas sale only - Forms C-110 have previously been filed on oil and high pressure gas from this lease.

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

Executed this the 15th day of November 19 55

By _____

Approved 1955 19 _____

Title District Gas Engineer

OIL CONSERVATION COMMISSION

Company The Superior Oil Company

By C. M. Keady

Address Midland, Texas

Title _____