

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Barker Dome Paradox Date: October 4, 1954
Company: Artes Oil & Gas Company Lease: Barker Well No. 13
County: San Juan Sec. 29 Twp. 32-N Rge. 14-W Loc. Unit B - 660/N & 1900/E
7 ID casing set @ 8830'; 2.441" ID tubing 2.575" OD tubing set @ 8481
Pay zone from 8400' to 8610'; Separator gas gr. 0.727 Barometer rdg. 12 psia
Reservoir temperature 530 ° Produced through: csg. _____ tbg. X
Average gas/liquid ratio during test: _____ Cu. ft. / bbl. gravity of liquid _____ ° API
Size of meter run or prover: 2" Choke Cages.

Shut in 60 days.

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing 1731 Tubing 1731 PSIA

Run No.	Orifice Size	Choke 1 1/2" x Line	Meter Pressures		Coefficient C Flg. tap _____ Pipe tap _____	Wellhead Pr.		Flowing Temp.	
			Static P_m Abs.	Diff. h_w		Casing P_{wc} Abs.	Tubing P_{wc} Abs.	Meter	Wellhead
1	7/16				4.730		1314		91
2	1/2				6.260		1195		99
3	9/16				8.070		1070		100
4	5/8				9.900		943		89

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	6350	2765
2	7350	3311
3	8560	4016
4	9225	4284
5		

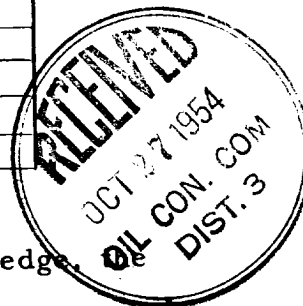
Absolute Open Flow 11,700 MCF

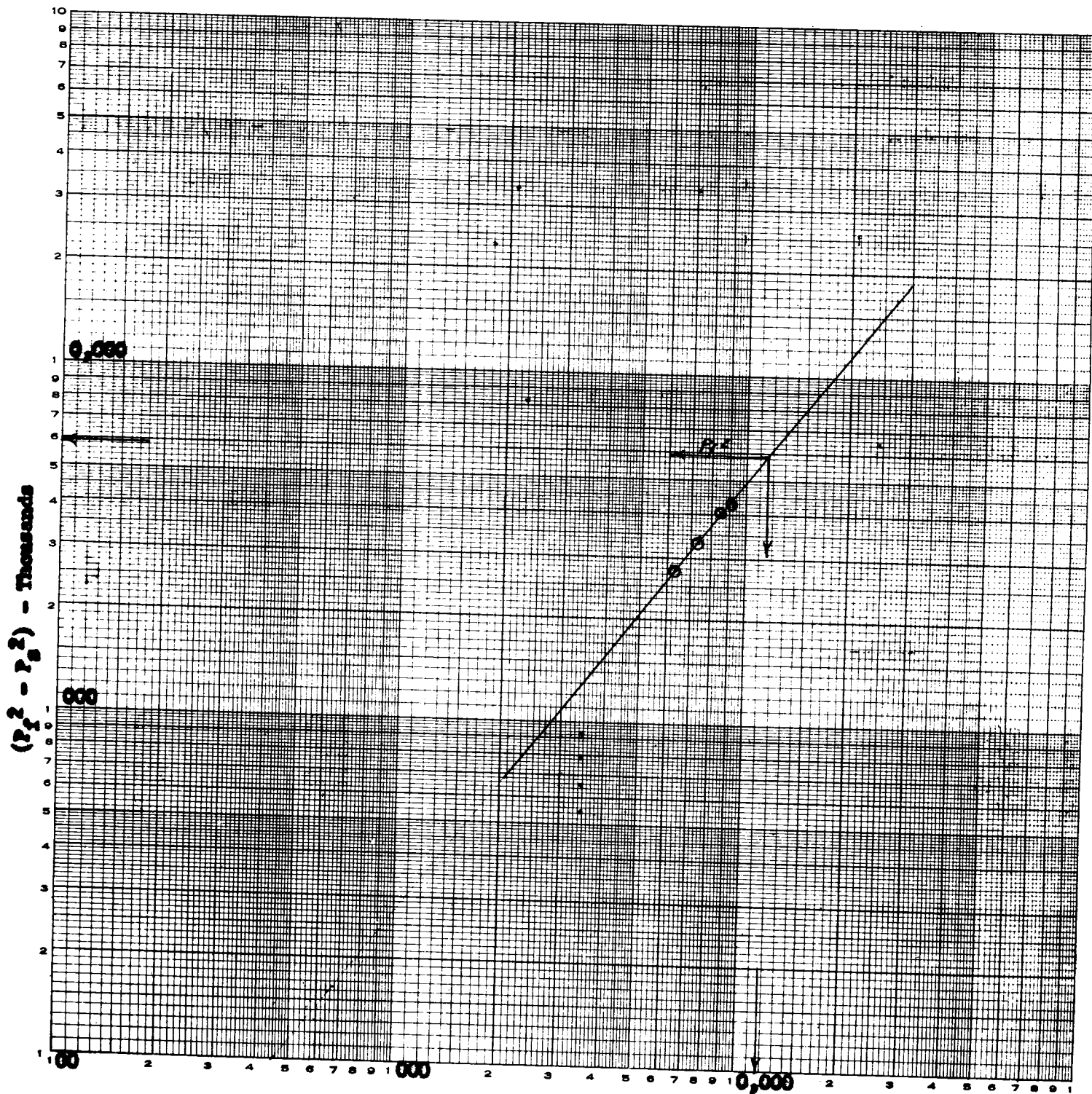
CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, information given above is true and correct.

Original signed by

Name: John J. Abendschan Position: Petroleum Engineer
John J. Abendschan
Company: Artes Oil & Gas Company Address: 112 N. Behrend, Farmington, New Mexico

Please plot curve on back





$Q - \text{MCF/day}$

$38.5^\circ\text{F} = 0.795$

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico 9-19-57
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Barker Dome, Well No. 13, in NW 1/4 NE 1/4,
(Company or Operator) (Lease)

B, Sec. 29, T. 32 N, R. 14 W, NMPM., Barker Dome Pool
Unit Letter

San Juan County, Date Spudded 9-24-45 Date Drilling Completed 2-23-46

Please indicate location:

D	C	B	A
		X	
E	F	G	H
L	K	J	I
M	N	O	P

600 N, 1980 E

Elevation 6150 Total Depth 8830 PBD

Top Oil/Gas Pay 8396' (P.C.) Name of Prod. Form. Paradox

PRODUCING INTERVAL -

Perforations 8396-8460

Open Hole None Depth Casing Shoe 8830' Depth Tubing 8481'

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): bbls. oil, bbls water in hrs, min. Size

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Tubing, Casing and Cementing Record

Size	Feet	Size
13 3/8"	420	285
9 5/8"	1683'	300
7"	8481'	---

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 46,000 MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand): Acidized w/10,000 gal.

Casing Tubing Date first new Press. oil run to tanks

Oil Transporter El Paso Natural Gas Products Company

Gas Transporter El Paso Natural Gas

Remarks: This well was originally drilled by Southern Union Gas Co. as the Barker Dome #13. El Paso Natural Gas has taken over the operations of this well with name changed to the El Paso Natural Gas Barker Dome #13.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved SEP 23 1957, 19

El Paso Natural Gas Company
(Company or Operator)

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold

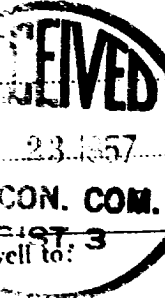
Title Supervisor Dist. # 3

By: 23 1957
(Signature)

Title Petroleum Engineer
Send Communications regarding well to: 3

Name E. S. Oberly

Address Box 997-Farmington, New Mexico



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received	5	
OIL CONSERVATION		
Operator	2	
Plant Fe	1	
Transporter	1	
Plant, Lamps Office		
S. G. S.		
Transporter		
File	1	✓