

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

DATE 8-3-60

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

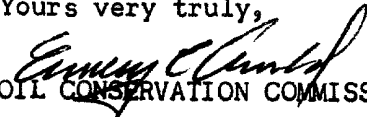
Proposed DC ☒ _____

Gentlemen:

I have examined the application dated 7-11-60
for the E. P. A. G. King # 1 A-22-300-1011
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Blanco Mesa Verde & Wildcat Pictured Cliffs		County San Juan	Date July 11, 1960
Operator El Paso Natural Gas Company		Lease King	Well No. 1 (RM)
Location of Well A	Unit 22	Township 30 N	Range 10 W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO **X**

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Pictured Cliffs	Mesa Verde
b. Top and Bottom of Pay Section (Perforations)	2935-2971	5148-5255 (Point Lookout)
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

No c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Aztec Oil & Gas Company

220 Mercantile Sec. Building

Dallas, Texas

Aztec Oil & Gas Company

Box 736

Farmington, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES **X** NO _____. If answer is yes, give date of such notification **July 13, 1960**.

CERTIFICATE: I, the undersigned, state that I am the **Div. Petroleum Engineer** of the **El Paso Natural Gas** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

ORIGINAL SIGNED E. S. OBERLY

Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

State Of New Mexico

County Of San Juan

I, D. W. Meehan, being first duly sworn upon my oath depose and say as follows:

I am an employee of El Paso Natural Gas, and that on May 24, 1960, I was called to the location of the El Paso Natural Gas Company King No. 1 (PM) Well located in the N.E.N.E. of Section 22, Township 30 N, Range 10 W, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Guiberson Model "Shorty" Production Packer was set in this well at 4468 feet in accordance with the usual practices and customs of the industry.

David W. Meehan

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 11 Day of July, 1960.

My Commission Expires 6-21-61

Lawrence D. Hill
Notary Public in and for San Juan
County, New Mexico



1992-1993

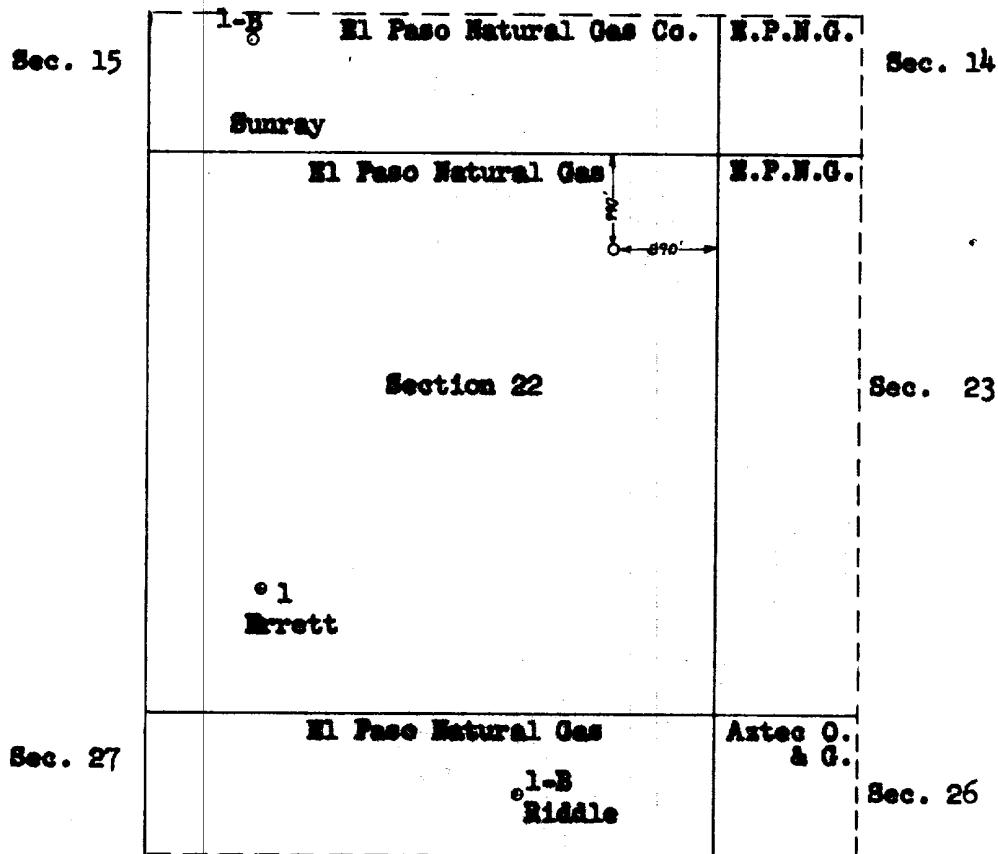
7-1-1944

10.15.1 2008-01-01 10:15:11



Plat showing location of Dually Completed
El Paso Natural Gas King No. 1 (FW)
and offset acreage

T-30-N
R-10-W



EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE

DATE

No.

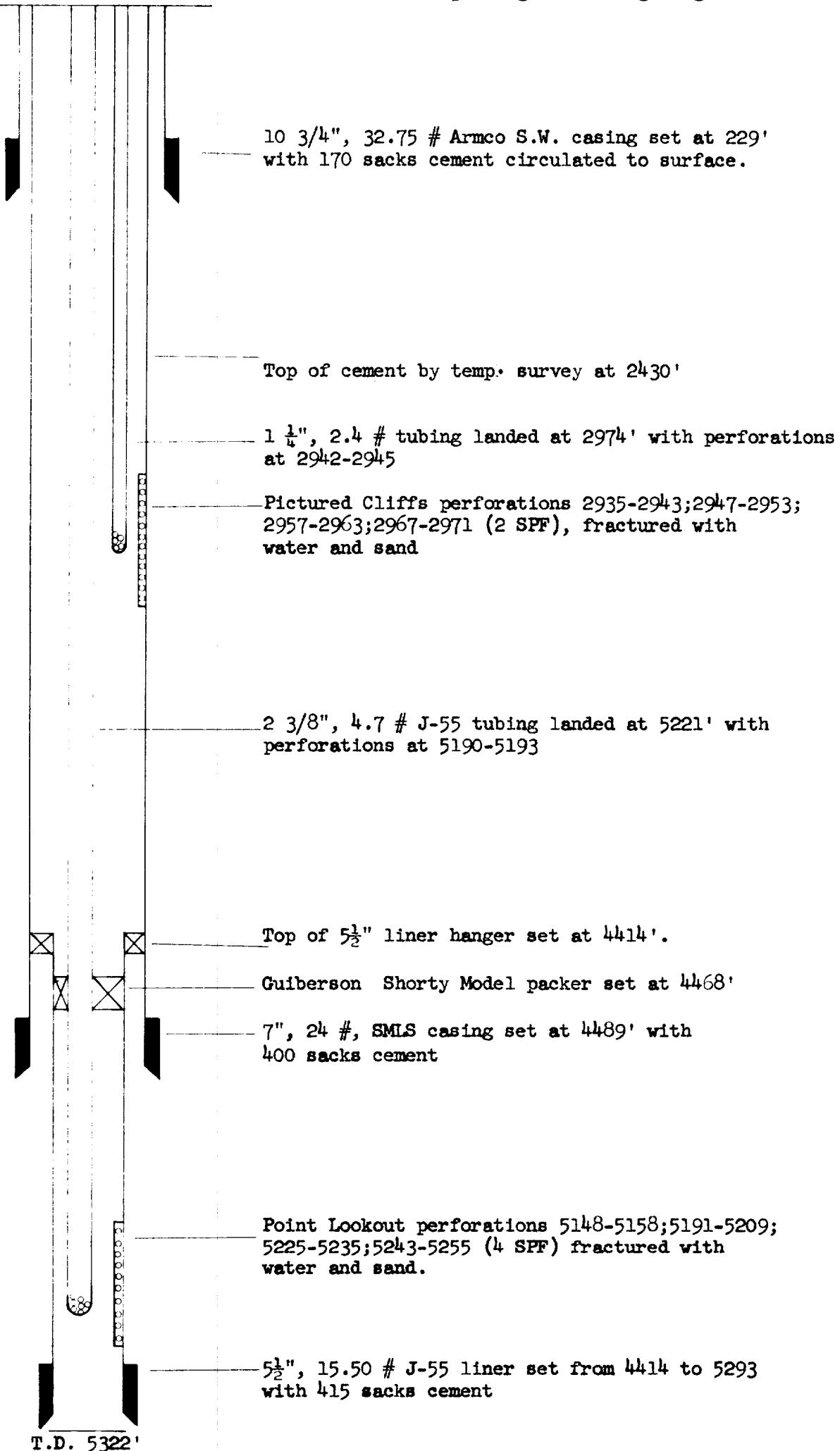
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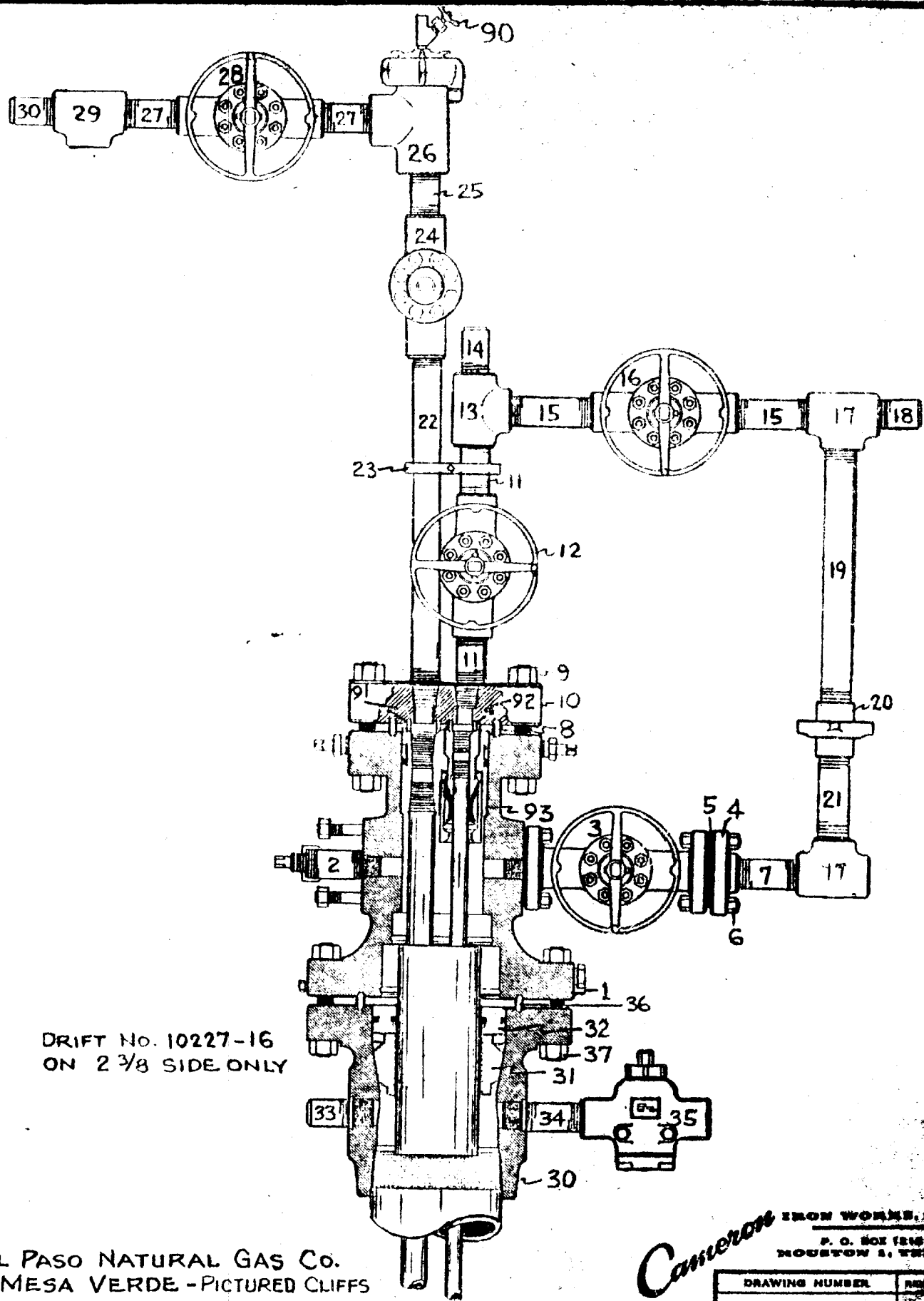
CHECKED BY

Schematic Diagram of Dual Completion
 El Paso Natural Gas King No. 1 (FM)
 NE/4 Section 22, T 30 N, R 10 W

Dual String
 Xmas Tree

Zero reference point 10.0' above
 top flange of tubing hanger.





DRIFT No. 10227-16
ON 2 3/8 SIDE ONLY

EL PASO NATURAL GAS Co.
MESA VERDE - PICTURED CLIFFS

Cameron IRON WORKS, INC.
P. O. BOX 1215
HOUSTON 1, TEXAS

DRAWN BY: <i>E H</i>	DATE: 3-17-59	WORKING PRESSURE: 2,000 #	DRIFT NO.	DRAWING NUMBER: 916015	REVISION: A
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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 15, 1960

Operator: El Paso Natural Gas	Lease: King No. 1 (P)	OWWO
Location: 990N, 890E; 22-30N-10W	County: San Juan	State: New Mexico
Formation: Pictured Cliffs	Pool: Undesignated	
Casing: Diameter 7"	Set At: Feet 4489	Tubing: Diameter 1-1/4"
Pay Zones: From 2947	To 2971	Set At: Feet 2963
Stimulation Method: Sand Water Frac.	Total Depth: 5322 c/o 5258	Shut-In 5/24/60
	Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	Days Shut-In 22
Shut-In Pressure, Casing, PSIG 944 (PC)	PSIA 956	Shut-In Pressure, Tubing, PSIG 944 (PC)
Flowing Pressure: P, PSIG Csg. 364	PSIA 376	Working Pressure: P _w , PSIG Tbg. 382
Temperature: T 66 F	.9943	Gravity .670
	.85	1.039
		.9463

Initial SIPT (MV) = 609 psig
Final SIPT (MV) = 611 psig

Guiberson "Shorty" Packer at 4468

CHOKE VOLUME $Q = C \times P_r \times E_r \times E_g \times F_{pv}$

$$Q = 12.365 \times 376 \times .9943 \times .9463 \times 1.039$$

4545

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_r^2}{P_w^2} \right)^n$

$$Aof = \left(\frac{913936}{758700} \right)^n$$

$$1.2046^{.85} \times 4545 = 1.1715 \times 4545$$

Aof 5324

MCF/D

TESTED BY W. D. Dawson

WITNESSED BY

L. D. Galloway
L. D. Galloway *by J.R.H.K.*

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **June 7, 1960**

Operator El Paso Natural Gas Company		Lease King No. 1 (M)		OWO	
Location 990N, 890E; 22-30N-10W		County San Juan		State New Mexico	
Formation Mesa Verde		Pool Blanco			
Casing: Diameter 7"	Set At: Feet 4489	Tubing: Diameter 2"	Set At: Feet 5210		
Pay Zone: From 5148	To 5255	Total Depth: 5322 c/o 5258	Shut In 5/24/60		
Stimulation Method Sand Water Frac.		Flow Through Casing		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner 4414 - 5293	
Shut-In Pressure, Casing, PSIG (PC) 925	12 PSIA 937	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG (MV) 593	12 PSIA 605	
Flowing Pressure: P (MV Tbg) 99	12 PSIA 111		Working Pressure: Pw, PSIG Calc. 215	12 PSIA 215	
Temperature, °F 59 F	n 1.0010		Fpv (From Tables) 1.009	Gravity .698	Fg .9292

Initial SIPT (PC) = 926 psig

Final SIPC (PC) = 927 psig

Packer at 4468 - Guiberson "Shorty"

CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = 12.365 \times 111 \times 1.0010 \times .9292 \times 1.009$$

1288

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{366025}{319800} \right)^n$$

$$1.1445^{.73} \times 1288 = 1.1066 \times 1288$$

$$Aof = 1425 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**

WITNESSED BY

L. D. Galloway
L. D. Galloway
by TBG