

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

Will file

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 6-17-60

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated 6-6-60
for the EPNG SJV 27.5 51 K-28-27N-SW
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Agrees

Yours very truly,

Emory C. Arnold
OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name South Blanco P. C. Ext. & Blanco M. V.		County Rio Arriba		Date June 6, 1960
Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit		Well No. 51 (FM)
Location of Well	Unit K	Section 28	Township 27N	Range 5W

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 ☐
2. If answer is yes, identify one such instance: Order No. **DC-834**; Operator, Lease, and Well No.:

El Paso Natural Gas Co. San Juan 27-5 Unit No. 4 (FM)

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)	3192-3260	5353-5474
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.

T. P. Harrington - 150 Wilwood Way, Woodside, California**Mike Abraham - 514 Mercantile Building, Dallas, Texas**

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

CERTIFICATE: I, the undersigned, state that I am the **Division Petroleum Eng'.** of the **El Paso Natural Gas Co.** (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, J. J. Tillerson, being first duly sworn upon my oath
depose and say as follows:

I am an employee of El Paso Natural Gas Co., and that on
April 19, 1960, I was called to the location of the El Paso
Natural Gas Company San Juan 27-5 Unit No. 51 (PM) Well located
in the NESEW/4 of Section 28, Township 27 North, Range 5 West,
N.M.P.M., for advisory service in connection with installation
of a production packer. In my presence, a Guiberson "Shorty"
Model Production Packer was set in this well at 3378 feet in
accordance with the usual practices and customs of the industry.

John J. Tillerson

Subscribed and sworn to before me this 6th day of June, 1960.

Lawrence D. Hall

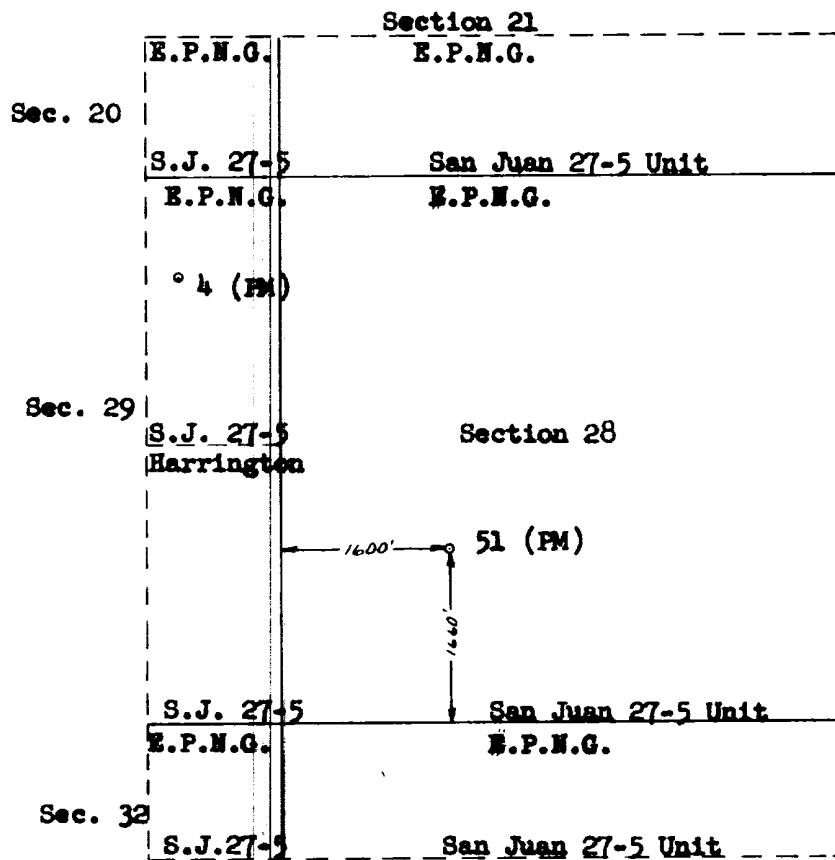
Notary Public in and for San Juan County,
New Mexico

My commission expires

My Commission Expires 6-21-61

**PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. San Juan 27-5 Unit No. 51 (FM)
and Offset Acreage**

T-27-N
R-5-W



EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE

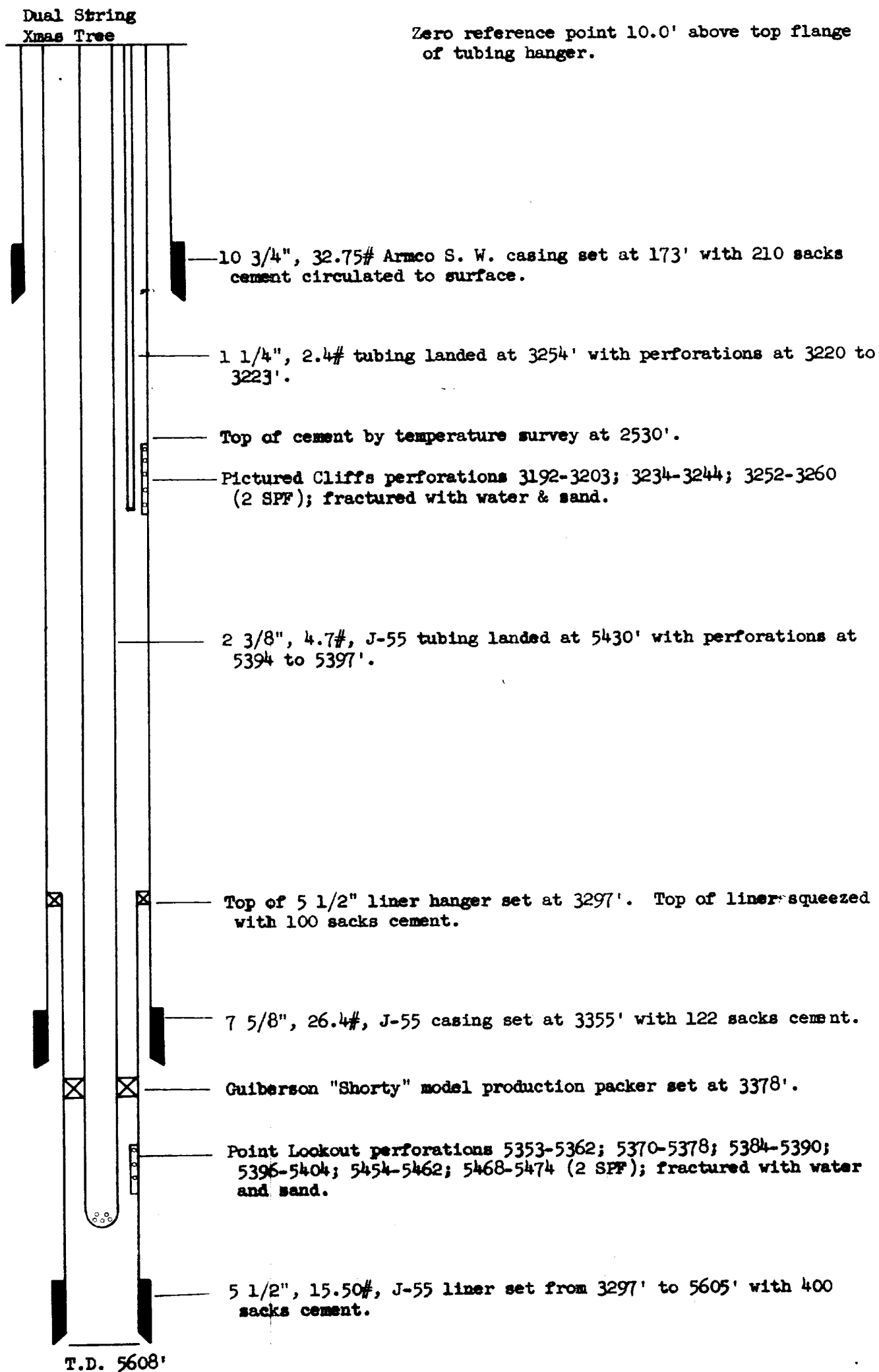
DATE

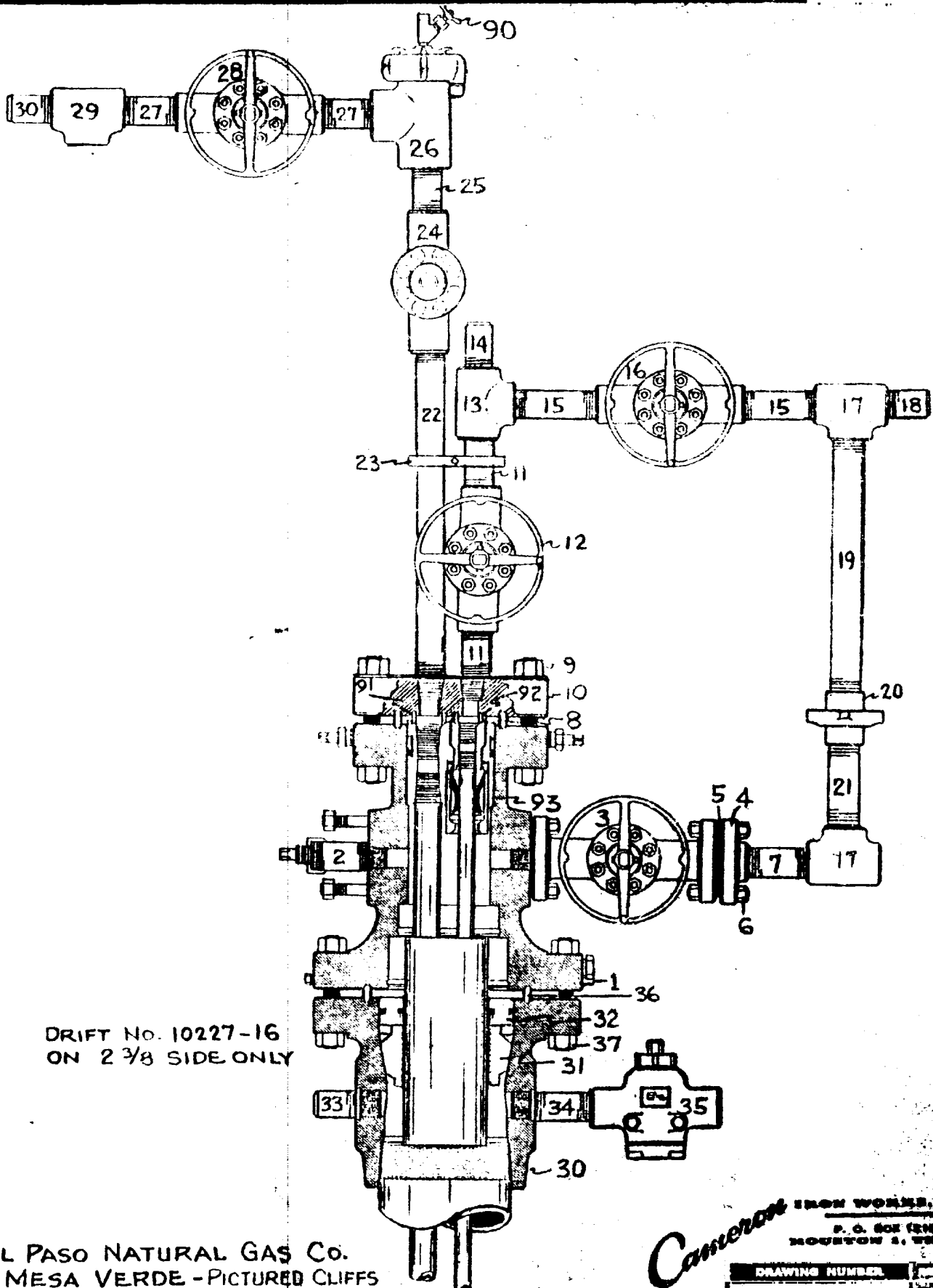
No.

DRAWN BY

CHECKED BY

SCHEMATIC DIAGRAM OF DUAL COMPLETION
El Paso Natural Gas Co. San Juan 27-5 Unit No. 51 (FM)
SW/4 Section 28, T-27-N, R-5-W





DRAWN BY E. N.

DATE 3-17-59

WORKING PRESSURE 2,000 #

DRIFT NO. 10227-16

916015

OPEN FLOW TEST DATA

DUAL COMPLETION

May 5, 1960

El Paso Natural Gas Company

San Juan 27-5 Unit No. 51 (P)

1660S, 1660W; 28-27-5

Rio Arriba

New Mexico

Pictured Cliffs

Undesignated

7-5/8

3355

1-1/4

3244

3192

3260

5605 c/o 5516

4/19/60

Sand Water Frac.

X

.75

12.365

Guiberson "Shorty" Packer at 3378

999 (PC)

1011

16

999 (PC)

1011

63

75

72

84

56

1.0039

.85

1.009

.650

.9608

Initial SIPT (MV) = 1097 psig

Final SIPT (MV) = 1098 psig

$$12.365 \times 75 \times 1.0039 \times .9608 \times 1.009$$

903

1022121
1015065

$$1.0069^{.85} \times 903 = 1.0059 \times 903$$

908

D. Mortensen

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 27, 1960

Operator El Paso Natural Gas Company	Lease San Juan 27-5 Unit No. 51 (M)
Location 1660S, 1660W; 28-27-5	County Rio Arriba State New Mexico
Formation Mesa Verde	Blanco
Well Size 5-1/2	Tubing Diameter 2
Key Zone From 5353	Total Depth 5605 c/o 5516
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Choke Diameter, in. 12.365	5-1/2" liner 3297-5605
Shut-in Pressure, Casing (PC) 958	Shut-in Pressure, Tubing (MV) 1076	PSIG 12 PSIA 1088
Flowing Pressure, P 161	Working Pressure, P _w Calc.	PSIG 12 PSIA 342
Temperature 60	Eqv. From Tables 1.019	Gravity .693 Eq. .9325

Initial SIPT (PC) = 958 psig
Final SIPC (PC) = 961 psig

Quiberson "Shorty" Packer at 3378'

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_g \times F_v$

$$Q = 12.365 \times 173 \times 1.000 \times .9325 \times 1.019$$

2033

MCF/D

OPEN FLOW Act $\left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

Act $\left(\frac{1183744}{1066780} \right)^n$

$$1.1096^{.75} \times 2033 = 1.0810 \times 2033$$

Act 2198

MCF/D

DATE PREPARED S. V. Roberts

WITH COMMENTS

Lewis D. Galloway
L. D. Galloway