TENNECO OIL COMPANY · P. O. BOX 1031 · 1800 WILCO BUILDING · MIDLAND, TEXAS 79701

December 7, 1966

1966 DEC 9 AM 8 23

C O P Y

State Engineers' Office
Capitol Building
Santa Fe, New Mexico

Attention: Mr. Frank E. Irby

RE: Conversion to Water Injection
G - J West Coop. Ut.
Well No. 17
Eddy County, New Mexico

Gentlemen:

In reference to your letter of December 2, 1966, we apologize for the confusion that we might have caused relative to the subject well. We attach a revised schematic diagram of this installation with the language corrected.

We also attach for your information a description of the cup type packer as the lower packer and of a sliding sleeve similar to that to be used between the packers. By a copy of this letter we also are furnishing the Oil Conservation Commission a revised schematic diagram.

We trust that this information will allow you to give a waiver concerning the conversion of this well.

Yours very truly,

TENNECO OIL COMPANY

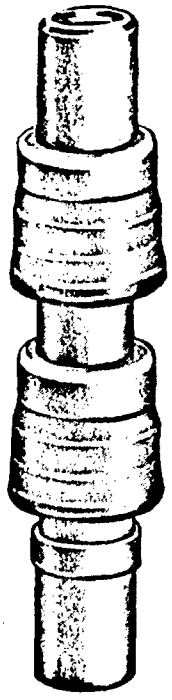
Original Signed By:
A. W. LANG

A. W. Lang
District Production Superintendent

JFC:pt

Attachments

cc: NMOCC
Box 2088
Santa Fe, New Mexico



Type GW Two-Cup Packer

GW CUP TYPE PACKERS

STANDARD AND SPECIAL

The GW packer is available in a full range of tubing or casing sizes, in two-cup or four-cup models, with either standard or special cups. In its simplest form, the two-cup GW, it has a one-piece seamless steel mandrel with box connections, top and bottom. It has no latch or locking mechanism to be fouled by sand, shale or mud; has no slips; it does not require tubing weight to be set and packs-off equally well at any point in the hole.

The GW packer is offered in two types, Standard and Special. Simplicity of design, rugged construction and unusually low cost make the GW attractive to the operator for a wide variety of applications.

STANDARD GW PACKER

The Standard GW packer has a seamless steel mandrel with an extra large opening. Standard GW, Standard Heavy Duty GW and GWD Heavy Duty cups fit this packer. The Standard GW packer is suitable for all applications involving normal pressures.

SPECIAL GW PACKER

The special GW packer has a full opening, thick wall seamless steel mandrel making it an excellent choice for rugged duty, high-pressure applications. The Special GW and Special Heavy Duty GW cups fit this packer.

A UNIVERSAL PACKING ELEMENT ADAPTABLE TO A VARIETY OF TOOLS

WELL TESTING TOOLS	PRODUCTION PACKERS
CEMENTING TOOLS	LINER PACKERS
SAND PUMP PISTONS	JUNK PUSHERS
PERFORATION CLEANERS	CASING TESTERS

BLOWOUT PREVENTER TESTERS

Type GW Packer Cup and Thimble

POWERFUL TYPE GW PACKER CUPS

The GW cups, used as a packing element on this packer, hold so well that the operator is cautioned to always be sure some means of by-passing fluid is provided when using the GW packer. Where fluid circulation above the cups is required, a Guiberson circulating slide valve may be used. For anchoring the packer, a Guiberson mechanical tubing anchor or a Guiberson hydraulic anchor is recommended.

CHOOSE FROM FIVE VARIETIES IN A WIDE RANGE OF SIZES

There are five variations of GW packer cups—the Standard, the Standard Heavy Duty, the GWD Heavy Duty, the Special and the Special Heavy Duty—each available in a wide range of sizes. These cups plus the two types of GW packers give the operator virtually unlimited possible combinations from which to choose the one best suited for his purpose. New applications for GW packers and cups are constantly being discovered and reported from the field. Consult your Guiberson representative if you have a particular problem that the GW might solve.

PSI FLOW CONTROL EQUIPMENT

The control of fluid flow, both tubing-to-casing and within the tubing, is a very important part of today's more efficient multiple-zone completions. PSI Sliding Sleeves and Seating Nipples with their Modular-Designed companion products offer true versatility in control of this sub-surface flow.

MODULAR DESIGN

Except for a few highly specialized products, PSI Flow Control Equipment designed to seat in Sliding Sleeves or Seating Nipples can be described as consisting of two basic Modules: The Lock Module (See LOCKS below) that holds the product in place and the Flow-Control Module. The interchangeability of the two basic components—plus adapters in some cases—means that, even in the field, many specifically-tailored products can be put together easily and quickly from a minimum number of stocked Modules. And, because it cuts down on the number of complete products stocked, PSI Modular equipment is economical as well as versatile.

SELECTIVITY

Being able to place a given flow-control device at a given spot is only part of complete sub-surface flow control. Maximum service from a flow control system can only be realized when the locations for seating flow control devices are both numerous and sufficiently versatile to allow for changing the device at any time during the life of the well.

The designs of PSI Seating Nipples and Sleeves and the variety and interchangeability of the retrievable products that seat in them give real meaning to the word SELECTIVITY. In a PSI-equipped well, the selection of a seat for a flow control device is not limited by the number of seating locations the product must pass through while running in.

THREE LOCKING MODULES FOR VERSATILITY

PSI offers three different Locking Modules: the Model "S-1" Locking Module is "Selective" because it has locks to prevent upward movement and locks (instead of a NoGo) to prevent downward movement; the Model "W" Lock has locks to prevent upward movement and a NoGo shoulder that seats in the upper part of a seating product to prevent downward movement; the Model "Z" Lock is similar to the Model "W" except that it can be used only with Model "N" and Model "R" Seating Nipples, which have special NoGo shoulders in the lower end. Even when NoGo-type Locks are used, however, there is a degree of Selectivity because a product with a Model "Z" Lock will pass through seating products in which Model "W" Locks seat.

For sub-surface equipment specifically engineered to act as an intergrated system for zone isolation and flow control, use PSI Flow Control Products and the Baker Line of Production Packers. See Pages 522 through 529 of the Baker Catalog.

PSI MODEL "L" SLIDING SLEEVE

Product No. 810-04

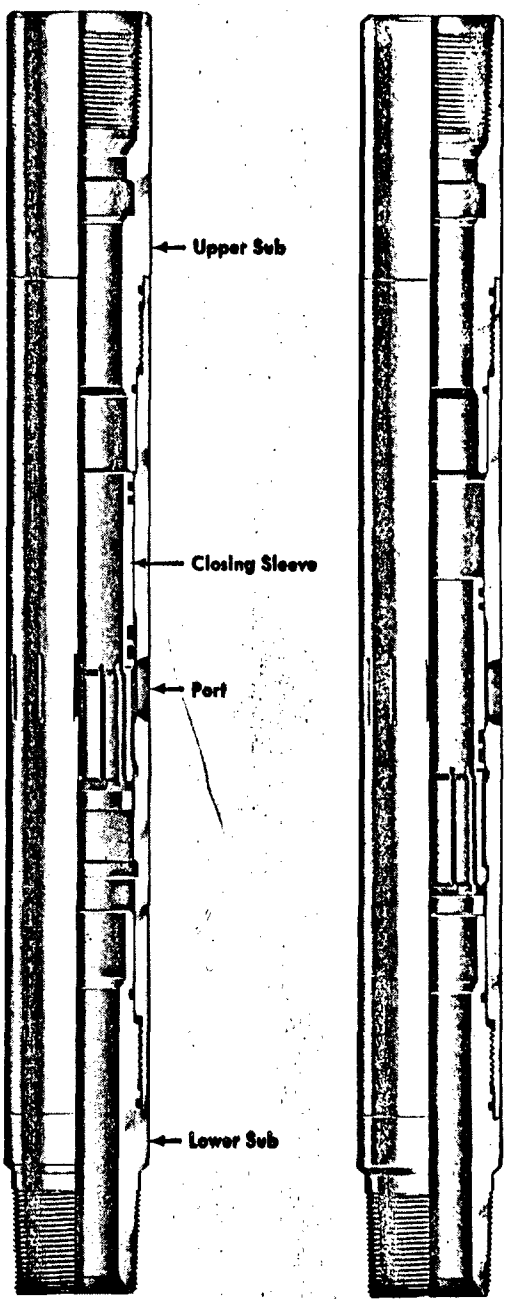


FIG. 1