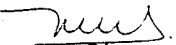







TO: Oscar Nieto
FROM:    
M. Chavez / C. Montes / H. Cornejo / V. Peralta

SUBJECT: **WELL LO16-26, Completion.**

DATE: August 16, 2002

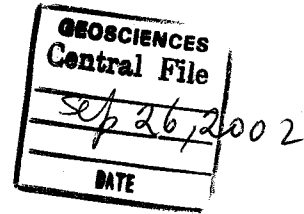
The following program to complete the well LO16-26 has been prepared after discussing and coordinating testing procedures with Operations Engineering in Negritos.

Procedure:

1. Run 5 ½" casing to final total depth at 8095'.
2. Perforate the Rio Bravo formation at proposed intervals:
7965'-7895'
7840'-7755'
7700'-7675'
7590'-7582'
3. Take initial pressure if wellhead pressure is recorded at surface.
4. Fracture the above intervals optimizing the numbers of stages to improve the frac efficiency.
5. Evaluate potential production of the sand with 3/8" choke for about two days.
 - If the well does not produce under flowing conditions, run tubing and test it by swabbing.
 - Depending on results set RBP or BP plug at 7300' and continue with step 6.
6. Perforate the Rio Bravo formation at the following interval:
6840'-6260'
7. Take initial pressure if wellhead pressure is recorded at surface.
8. Fracture the above interval optimizing the number of stages to improve the frac efficiency.
Evaluate well production with 3/8" choke.
9. Release Rig.

Cc: P. Alarcón
B. Bruce
C. Valdizan
G. Ruesta
E. Vega
R. Corman
Chrono File
- Well File

GEOSCIENCES
Central File
<i>August 16, 2002</i>
DATE

*will File*WELL : Z - 2B - 24 - 089 - D - LO16 (LO16 - 26)COMPLETION PROGRAM

- 1.- RUN 5 1/2", N-80, 17.0 #/ft, LT & C, CASING WITH GUIDE SHOE AT \pm 8095' (FIRST SHOT AT 7966').
- 2.- CEMENT THE 5 1/2" STRING. DISPLACE WITH DIESEL.
- 3.- INSTALL A 11' x 7 1/16" - 3000 x 5000 PSI TUBING HEAD.
- 4.- RUN TEMPERATURE SURVEY 8 HOURS AFTER PLUG BUMPED TO LOCATE CEMENT TOP.
- 5.- NIPPLE DOWN BOP's AND NIPPLE UP SHOOTING VALVE.
- 6.- RUN CNL - GR - CCL LOG FROM 8,000' TO 6,000'.
- 7.- TEST SHOOTING VALVE, WELLHEAD AND CASING WITH 5,000 PSI. 24 HOURS AFTER FINISHED CEMENT JOB.
- 8.- INSTALL LUBRICATOR & TEST WITH 3,000 PSI. USE WATER.
- 9.- PERFORATE RIO BRAVO FM. FIRST INTERVAL: 7966' - ~~7480'~~^{7480'}. ACCORDING PROGRAM ATTACH.
- 10.- TAKE INITIAL PRESSURE (3 HRS. ON BOTTOM), IF IT SHOWS WHP. POOH. (OTHERWISE MADE BREAK DOWN W/ 60 BBLs. DIESEL. USE HIPPO. SWAB WELL. PKR AT 7650'.)
- 11.- FRACTURE THE FIRST STAGE ACCORDING PROGRAM ATTACHMENT.
- 12.- CLOSE THE WELL FOR 06 HOURS TO GEL BREAK AND FRACTURE CLOSE.
- 13.- PUT THE WELL ON PRODUCTION AT WIDE OPEN, AFTER RECOVERY 150 BBLs OF FLUID CHOKE IT TO 3/8" AND EVALUATED PRODUCTION TO SEPARATOR AND FRAC TANKS. USE BARGE.
- 14.- ACCORDING RESULTS TAG SAND TOP AND SET RBP OR BRIDGE PLUG AT 7100'.
- 15.- SHOT RIO BRAVO FM. SECOND INTERVAL: 6834' - 6580'. ACCORDING PROGRAM.
- 16.- TAKE INITIAL PRESSURE (3 HRS. ON BOTTOM), IF IT SHOWS WHP. POOH.
- 17.- FRACTURE THE SECOND STAGE AND CONTINUE SHOT-FRAC THIRD INTERVAL: 6516' - 6250'.
- 18.- REPEAT STEPS 12 THRU 13.
- 19.- MOVE RIG TO ANOTHER LOCATION.

Note 3 3/8" OD Guns or equivalent (3 SPF).

RCR/