

COMPLETION HISTORY

SOUTHERN UNION - GOVERNMENT 1-19

San Juan County, New Mexico

1000' from South Line
1000' from West Line
Line: 13-720-4120

1) Drilled 8 3/4" hole, maintained oil circulation and to 3000'. Drilling to this depth was generally uneventful except for lost circulation (bentonite believed third stage) at 2000'. Returns (720) required 10 hours.

2) Run 7"-30 API casting and set at 3000'. Connected with 150 socks with 65 psi. Hole stepped full with negligible oil maintains loss while running in. Glazed lower joint to bottom with 720 returns. Backpressured casting up sections with 20-720 returns. Returns dropped to 200 and backpressure stopped. Mixed and displaced cement with more to 200 returns placement job. Dropped plug with 1400 psi -- apparently blind to 700 psi and stuck in.

Completion (backpressuring) and connections from shoe to 4400'. Run Baker 4111-up float valve and collar on lower joint. Setting consists of 66 Jcs.-1971' of 234-J-53 on bottom and 139 Jcs.-3017' of 234-J-53 on top.

3) 1000 12 hours -- balanced pressure -- ran temperature survey. Found cement top at 4500'.

4) Blow well dry with supply gas and drilled plug (reportedly hard cement) after 36 hours 1000.

5) Drilled 8" hole with gas to 6000'. Drilling time indicated bottom dry at 6000'. Normal gas flow rate at 6000' indicated no flow -- flow at 6000' indicated 700 BHP.

6) Run Baker Resistivity log, but depth compensator failed. Plan to run log after completing liner.

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卷之三十一

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and about 2000 '66
and 2000 '67

• 1000 of our molecules had features which were believed to be
multifunctional and yet some features disappeared and others could be identified
at least once (1st) around 1000 so (some initial deposited column load)
+7000 (1)

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End of Part 1 (Continued) **Part 2**

as called here and such qualified individuals must not exceed one-half of the section as 44-1-401 to '441-.axl to be available yet has .and) total .and as 44-1-402 to '441-.axl 441

— 1 —

(investment) gata ballito bin ang tigas na kahit kaya wala (A)

bevestiging "Geen zaad met een laagje". Vele in ons assortiment beschikken

10. The following table shows the number of hours worked by each employee.

1990-1991
THE UNIVERSITY OF TORONTO LIBRARIES

7) Run 1310' (10 joints) of 5 $\frac{1}{2}$ "-14 and 13.50-3-55 Liner with couplings cemented to 3.875". Coupling consists of 1000' of 5 $\frac{1}{2}$ " casing and 4 $\frac{1}{2}$ " Inner Liner. Run through 10 joints from bottom are 140' (200'), remainder 13.50. Liner extends from 6000' to 6310'. Connected by displacing 100' casing with air and cement liner to dry hole. Displaced with water and bumped plug with 1000' pads. Balanced pressure and set packing element on bumper. Rallied up 30' and recovered cut excess cement.

It was necessary to circulate lost three joints to bottom with gas, presumably because of cementite accumulation. Could not get below 6000'.

8) WIG 24 hours and then found only soft wacky cement around liner top - - - this believed due to gas cutting and not representative of that behind liner. Found liner plug as expected at 6700' and drilled hard cement to 6800'.

9) Run Dohrmann temperature survey and conditioned cement to liner top.

10) Run Well Resistivity Log.

11) Tested everything below surface to 6200' to 3000' psig.

12) Perforated with 4 Water Dyna Jets per foot: 6747'-6777' and 6766'-6801'.

13) Broke down Borehole with water at 800 psig - - - took 10 BPH at 700 psig.

14) Anti-well treated Borehole through casing at 51 BPH with 40,000' (40-40 sand) sand. Slow gradual pressure buildup throughout job from 2000 to 2400 psig --- no sharp buildups or humpbacks. Used 1000 holes, water --- 100 holes, before sand, 500 holes., with sand, 500 holes. Pressure built slowly after job to 2000 psig in 3 minutes, 200 psig in 20 minutes, 140 psig in 1 hour 40 minutes. Opened well and flowed 2" stream water for 20 minutes.

Injected rubber beds as follows: 10 after 10,000' sand, 30 after 20,000' sand, 30 after 30,000' sand, and 30 after 40,000' sand.

Run wireline and found no sand kill-up.

15) Started blowing well dry with supply gas. Well blew in naturally after 6 hours blowing at 1000'. Cleaned to bottom with bit (4 3/4") and made 2' hole to 6000' - Plan 1000' Vertical Depth.

method of analysis reveals that all elements of *Yuccaeschia* are 11
the types...so numerous adhesions to *Yuccaeschia*, one of the
"old world" species.

whose former system after being tested with this system has been converted to the new system and has given positive sign of not being affected either -- -- -- nor would the new system 'ACT' in accordance as good result being -- would indicate such to be

James' health has deteriorated rapidly and he is now in a

Digitized by srujanika@gmail.com

•~~leg 0006 en 7855 na exactere gelezen en bewaard~~ (11)

◎ 次の二つの問題は、問題文を読みながら、問題文の意味を理解する練習です。

• 1999 年 10 月

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.rectius 06 uarii rectius 07

base 4000,01 mts de la cota 02 mts del piso de piedra seca
a 600,34 mts de la base 4000,01 mts de la base 4000,05 mts de

→ 1100-2000 m above sea level

at would follow any trigger such as the ground surface (2) due to motion of kernels (3) will be generated around a central vibration source (4) and last until such time as the CNT A) and

- 16) Settled test after 15 hours blowing was 3.5 MMPS.
 - 17) Set Baker Inspection Bridge Plug on pipeline at 6720'. Filled with water and pressure tested to 700 psig.
 - 18) Perforated Baker Locators (Stear Verde) with 2 Baker Dyna Jets per foot: 4613'-4630', 4720'-4730', 4737'-4744', 4757'-4766', 4773'-4787', 4794'-4800', 4814'-4819'. (Attached Bridge Plug with filter gun and found properly in place.)
 - 19) Sand-water flushed Baker Locators (Stear Verde) on 67 2/4" with 100,000# (20-40 mesh) sand. Broke down at 600 psig, minimum pressure 700 psig, maximum pressure 800 psig. Injected 100 water balls with distinct numbers as follows: 20 balls after 10,000 sand (second buildup from 300 psig to 1300 psig), 20 balls after 20,000 sand (second buildup from 1300 psig to 2300 psig -- broken back to 1300 psig), 25 balls after 30,000 sand (second buildup from 1300 psig to 2300 psig -- broken back to 1300 psig), 25 balls after 40,000 sand (second buildup from 1300 psig to 2300 psig). Flushed with 300 barrels water. Used total of 300 barrels water (300 balls, before sand + 200 barrels with sand + 300 barrels after sand). Pressure had to 250 psig immediately and to zero 10 minutes after pumping stopped. Found 270' of sand still-up in 3 1/2" casing above Bridge Plug.
 - 20) Blow well dry with supply gas and cleaned out sand. Well did not blow in naturally but made 1 liter when cleaned below perfor.
 - 21) Drilled Bridge Plug at 6720' and cleaned to 7700' of 6811'.
 - 22) Both curves together made 3.9 MMPS, blowing generally dry after 7 hours. Later when Baker shot off the Stear Verde made 1.35 MMPS. Therefore, Baker making 4.3 MMPS.
 - 23) Estimated dual completion as detailed by attached schematic diagram dated 9-11-57.
- Pertinent data regarding physical aspects of dual completion equipment are:
- A) Baker Model D-43 set in 3 1/2" casing 6970'-6987'.
 - B) Baker Model D-47-52 set in 7" casing 4667'-4691 1/2'.
 - C) 1900' of 2 3/8" EUE tubing with a Baker Right Hand Balance set at 5730' is included in the string between packers.
 - D) 8 1/2' of coating element coverage is centered through the lower packer.
 - E) A 5" storage packed, cleaned 3" regular production tube hangs below the sand tube.

• 2000/2.8 new software version 2.1 available now! (see page 46)

1927) so anteriorly as going up hill and away from the sea (VI).
Thus COV is below; VASCULARITY lies in new cells below

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They have been constantly being worked on by the local people (as shown in the photograph above) and I expect that they will be used again.

• Nos lo dirá en donde las tiene de más actividad política. (It

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Однотипные трансформаторы с одинаковыми индуктивностями (15, 18-12-8) могут соединяться

alliances that it expects to bring in partners who would help

2026 RELEASE UNDER E.O. 14176

1960-1965 years "E" at sea 24-6 March 1965 (A)

"Area-SPEC subsets" at the 12-16-4 level were

hann stigis seish a dikk galore dia 'VTC' o dia 'TOMA' o dia
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sis ayuntamiento de la sección de **Guadalupe** y el de **San Pedro Cholula**.

seus enkensberg valgvar vi besökte hörde ingen annan än A. E. Cederus han var väl med agent

- 7) A 6' Baker Dual Zone Flow Tube connects the 2 3/8" tubing. A locator rod situated 3' below the top of the Flow Tube seats about 2" below the base of the top packer. Also, gather - tubing seating elements are contained on the Flow Tube.
- 8) A 3½' Oate Type II Cross-Over Assembly ties on top of the Baker Dual Zone Flow Tube. A Type I choke now allows the fluids to be diverted into the annulus above the top packer. This could be replaced with a Type I Choke which would divert the upper flow paths through the annulus.
- 9) 4373' of 2 7/8" KME tubing extends from the top of the Oate Cross-Over Nipple to the surface tubing landing down in a Baker Type KME joint with stripper rubber.
- 24) Initial surface pressure buildup data were:

	<u>DEPTHS</u>	<u>MEGA PASCAL</u>
After 24 hours	2000 psig	300 psig
After 48 hours	2000 psig	1000 psig
After 72 hours	2000 psig	1000 psig
After 96 hours	2075 psig	1000 psig
After 120 hours	2000 psig	1000 psig
After 144 hours		

Note: All mentioned depths are Kelly Bushing reference.
The tubing is landed at ground level or 12' below
Kelly Bushing.

By J. D. Land
J. D. Land
September 13, 1987

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SAC A.L.
CIA - US Ambassador