

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

April 21, 1965

Shell Oil Company
P. O. Box 1858
Roswell, New Mexico

Attention: Mr. T. H. Dwyer

Re: Administrative Order

Gentlemen:

Reference is made to Administrative Order issued
April 14, 1965 for your Antelope Ridge Unit Well No.
2.

This order was inadvertently number TX-21. Please
correct same to TX-22.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/DSN/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs

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OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

April 14, 1965

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Shell Oil Company
P. O. Box 1858
Roswell, New Mexico

Attention: Mr. T. H. Dwyer

Administrative Order TX-21 ⁷⁵⁻²²

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Gentlemen:

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Reference is made to your application dated April 7, 1965, wherein you request authority to complete your Antelope Ridge Unit Well No. 2, a dual completion in the Devonian and Morrow Pennsylvanian formations in exception to Statewide Rule 107(d)3. It is our understanding that due to mechanical difficulty it was impossible to place the packer below 11,465 feet which is the tubing setting depth for the Pennsylvanian zone, although the perforations are from 12,898 to 13,153 feet.

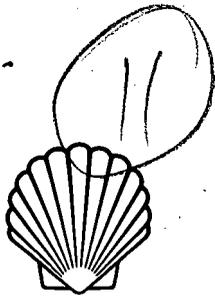
Y
Shell Oil Company is hereby authorized to complete the subject well in the aforesaid manner. The Oil Conservation Commission does however reserve the right to require some other method of completion in the event that this proves to be inefficient or wasteful.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/esr

cc: Oil Conservation Commission - Hobbs



SHELL OIL COMPANY

P. O. Box 1858
Roswell, New Mexico

April 7, 1965

MAIL OFFICE OCC

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TX-21

New Mexico Oil Conservation Commission (3)
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Attached you will find a schematic diagram showing the mechanical installation actually used in completing the Shell Antelope Ridge Unit No. 2 as a Devonian-Morrow Pennsylvanian gas-gas dual. The dual completion of this well was approved by N.M.O.C.C. Order No. R-2787 after hearing Case No. 3125. Also enclosed is the packer leakage test for the well.

You will notice from the schematic diagram that the final mechanical installation differs from the installation submitted at the hearing in that the upper packer is set at 11,465' rather than at 12,780'. This difference occurred as a result of having to drill out heavy mud and lost circulation material in the 5 1/2-inch liner casing off the Devonian formation in order to complete in that zone, which in turn necessitated drilling out the production packers originally in place in the well. While setting replacement packers for the dual completion, the upper packer became stuck at 11,465' and had to be set at that point. Since drilling out the packers again would have incurred excessive costs, and would quite possibly have endangered the well from the standpoint of wearing "windows" in the production casing, we felt it prudent to proceed with the dual completion with the packers located as shown on the attached schematic diagram.

It is realized that the final mechanical installation shown on the attached diagram is not in accord with Statewide Rule 107(d)3. of the N.M.O.C.C. Rules and Regulations; however, in view of the circumstances and in accordance with Statewide Rule 107(d)4., we request an Administrative exception to the rule in this case. The gas produced from the upper zone is noncorrosive and will not endanger the exposed casing in any way. We feel that the final mechanical installation is consistent with good conservation practices and that no waste will be caused.

If additional information is desired, please contact this office.

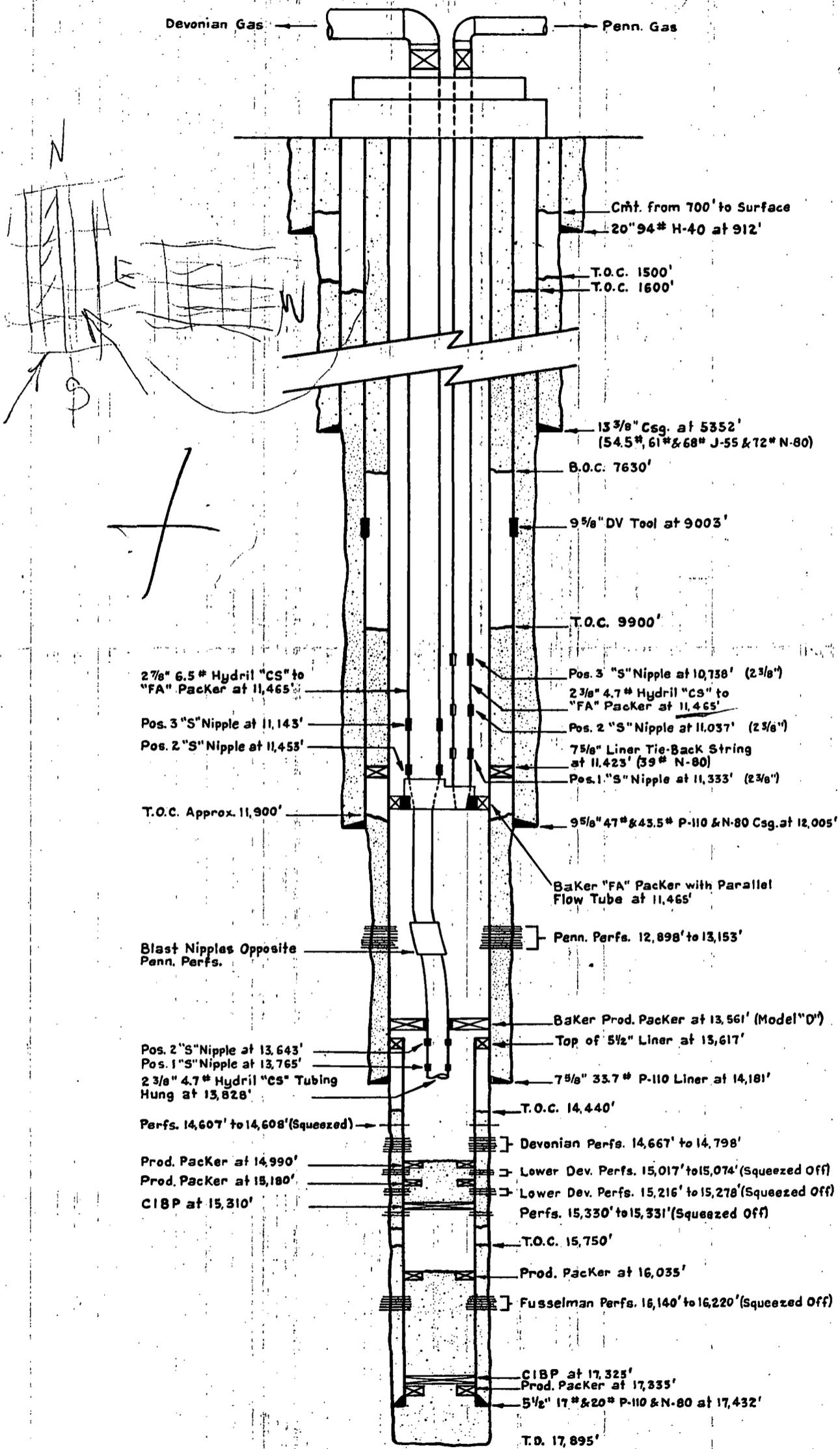
Yours very truly,

T. H. Dwyer
Division Production Manager

Attachments

cc - New Mexico Oil Conservation Commission
P. O. Box 1980, Hobbs, New Mexico

SHELL OIL CO.
 ANTELOPE RIDGE UNIT No. 2
 FINAL INSTALLATION DRAWING
 ANTELOPE RIDGE PENN. & DEVONIAN
 Sec. 4, T-24-S, R-34-E Lea Co., N.Mex.
 3-24-65



Devonian Gas

Penn. Gas

Cmt. from 700' to Surface

20" 94# H-40 at 912'

T.O.C. 1500'

T.O.C. 1600'

13 3/8" Csg. at 5352'

(54.5#, 61# & 68# J-55 & 72# N-80)

B.O.C. 7630'

9 5/8" DV Tool at 9003'

T.O.C. 9900'

2 7/8" 6.5# Hydril "CS" to

"FA" Packer at 11,465'

Pos. 3 "S" Nipple at 11,143'

Pos. 2 "S" Nipple at 11,455'

T.O.C. Approx. 11,900'

Pos. 3 "S" Nipple at 10,738' (2 3/8")

2 3/8" 4.7# Hydril "CS" to

"FA" Packer at 11,465'

Pos. 2 "S" Nipple at 11,037' (2 3/8")

7 5/8" Liner Tie-Back String

at 11,423' (39# N-80)

Pos. 1 "S" Nipple at 11,333' (2 3/8")

9 5/8" 47# & 43.5# P-110 & N-80 Csg. at 12,005'

Baker "FA" Packer with Parallel

Flow Tube at 11,465'

Blast Nipples Opposite

Penn. Perfs.

Penn. Perfs. 12,898' to 13,153'

Baker Prod. Packer at 13,561' (Model "D")

Top of 5 1/2" Liner at 13,617'

Pos. 2 "S" Nipple at 13,643'

Pos. 1 "S" Nipple at 13,765'

2 3/8" 4.7# Hydril "CS" Tubing

Hung at 13,828'

7 5/8" 33.7# P-110 Liner at 14,181'

T.O.C. 14,440'

Perfs. 14,607' to 14,608' (Squeezed)

Devonian Perfs. 14,667' to 14,798'

Prod. Packer at 14,990'

Prod. Packer at 15,180'

CIBP at 15,310'

Lower Dev. Perfs. 15,017' to 15,074' (Squeezed Off)

Lower Dev. Perfs. 15,216' to 15,278' (Squeezed Off)

Perfs. 15,330' to 15,331' (Squeezed Off)

T.O.C. 15,750'

Prod. Packer at 16,035'

Fusselman Perfs. 16,140' to 16,220' (Squeezed Off)

CIBP at 17,325'

Prod. Packer at 17,333'

5 1/2" 17# & 20# P-110 & N-80 at 17,432'

T.D. 17,895'