

Amoco Production Company

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401

L. O. Speer, Jr.
Area Superintendent

June 26, 1975

File: LOS-252-400.1

Mr. Emery C. Arnold
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Dear Sir:

Re: Containment of Bradenhead Leak
Jicarilla Contract 155 No. 20

N-29-26-5

As per our discussion this morning, we are forwarding to you a wellbore diagram for our Jicarilla Contract 155 No. 20 well, which is a dual completion in the Gonzales Mesaverde and the Dakota. This well developed a leak across the long string as indicated on the wellbore diagram at 330-20' KB. We ran a "Borehole Audio Tracer Survey" (BATS) log to find this leak and to confirm that: 1) the bradenhead valve was not leaking and 2) gas was not channeling beneath the surface casing shoe.

As per your recommendation we are instituting a regular check on the bradenhead pressure to assure that gas is contained within the long string-surface casing annulus. We will monitor this pressure once a week for one month and thereafter once every three months and will forward this information to your office.

If you require any further information please feel free to contact us.

Yours very truly,

A handwritten signature in cursive script, appearing to read 'L.O. Speer, Jr.', is written over the closing.

BWR/en
Attachment





Amoco Production Company

ENGINEERING CHART

SUBJECT Jicarilla Contract 155 No. 20

Dual: Gonzales Mesaverde-Dakota

FILE _____

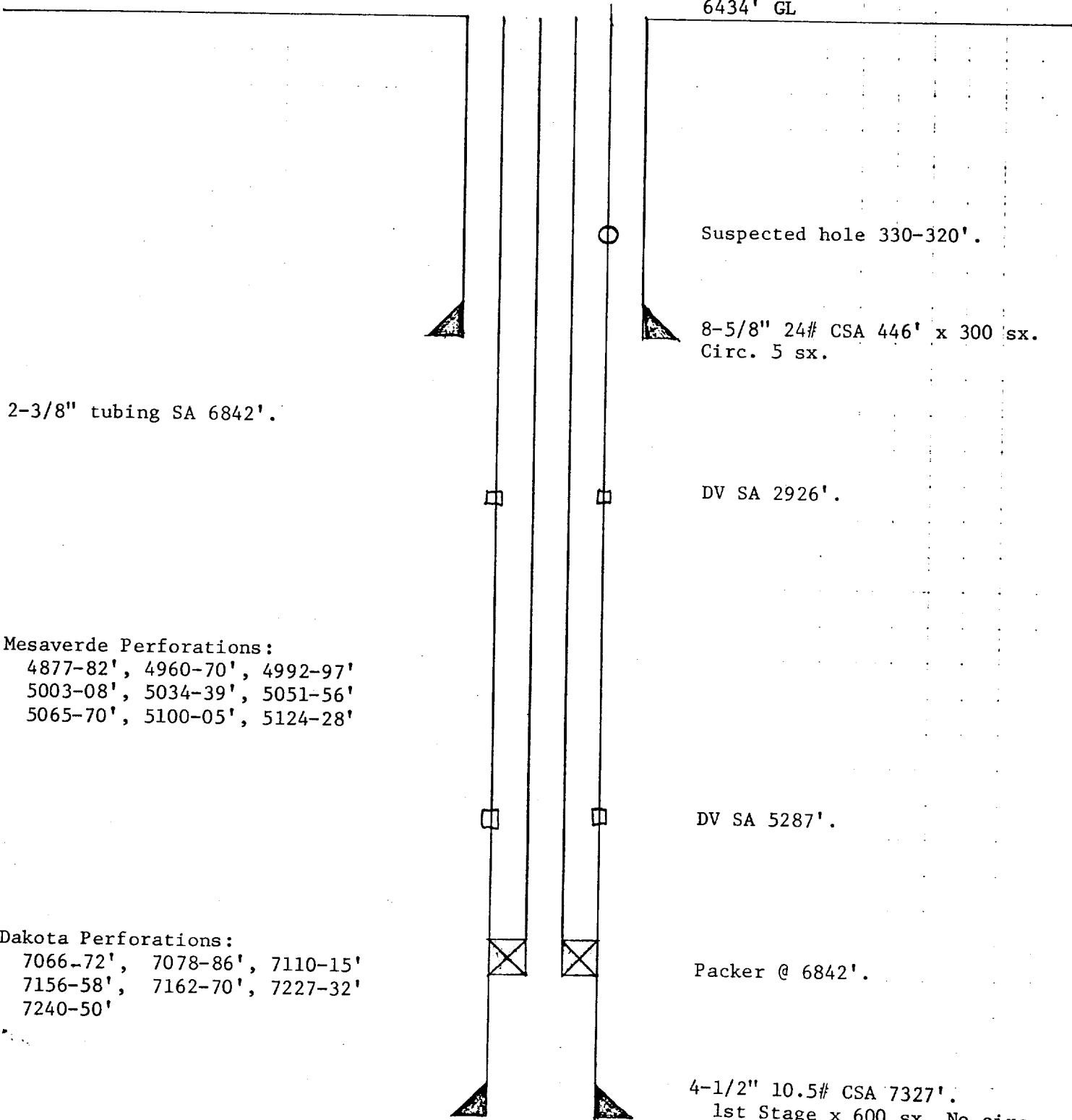
APPN _____

DATE _____

BY _____

6488' KB

6434' GL



Suspected hole 330-320'.

8-5/8" 24# CSA 446' x 300 sx.
Circ. 5 sx.

2-3/8" tubing SA 6842'.

DV SA 2926'.

Mesaverde Perforations:

4877-82', 4960-70', 4992-97'
5003-08', 5034-39', 5051-56'
5065-70', 5100-05', 5124-28'

DV SA 5287'.

Dakota Perforations:

7066-72', 7078-86', 7110-15'
7156-58', 7162-70', 7227-32'
7240-50'

Packer @ 6842'.

4-1/2" 10.5# CSA 7327'.
1st Stage x 600 sx, No circ.
2nd Stage x 600 sx, Circ. 175 sx.
3rd Stage x 750 sx, Circ. 100 sx.

SURFACE CASING LEAK TEST

Date of Test 7-2-75 Operator Amoco Production Company

Lease Name Jicarilla Contract 155 Well No. 20 U N Sec. 29 T 26 R 5

Initial Pressure Before Shut-In: Surface Casing 285

Long String 285

SHUT-IN PRESSURE

	<u>Surface Casing</u>	<u>Long String</u>
5 Min.	<u>288</u>	<u>288</u>
10 Min.	<u>288</u>	<u>288</u>
15 Min.	<u>288</u>	<u>288</u>
20 Min.	<u>290</u>	<u>290</u>
25 Min.	<u>290</u>	<u>290</u>
30 Min.	<u>290</u>	<u>290</u>

Remarks: The Gonzales Mesaverde zone was shut-in 3 hours and 20 minutes by stop cock.



BY: *A. C. Spencer Jr.*
Area Superintendent
Position