

PAN AMERICAN PETROLEUM CORPORATION

Box 480, Farmington, New Mexico
January 15, 1962

File: N-1018-400.1 x 501.77

Subject: Bradenhead Pressure Test
Valencia Gas Unit No. 1
Blanco Mesaverde Field

well file

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

Dear Sir:

This refers to our bradenhead test reports which were transmitted September 26, 1961 and November 29, 1961 on the Valencia Gas Unit No. 1, located in Unit J, Section 18, T-29-N, R-9-W, Blanco Mesaverde Field, San Juan County, New Mexico. These initial tests were conducted by blowing the bradenhead and tubing, respectively, with pressures taken on the shut in outlets, and there were indications of communication between the production casing and production casing-surface casing annulus.

Examination of the well head on the subject well revealed that the production casing flange was not pulled down sufficiently and was unlevel with the surface casing flange. Tightening of the bolts holding the two flanges together levelled the production casing flange and obtained a proper clearance. However, there is still a slight high pressure leak past the seal ring installed between these two flanges as the bradenhead pressure will build up to 60 psig in 5-1/2 hours and 150 psig in 33-1/2 hours after blow down of the bradenhead. Casing pressure is 525 psig.

While there is still an indication of slight communication between the production casing and the production casing-surface casing annulus, there is no outlet for gas to leak to the atmosphere or surface ground beds as cement was circulated to surface between casing strings when the 7-inch production casing was run originally. A sketch of the mechanical conditions of the Valencia Gas Unit No. 1 is attached which illustrates the satisfactory mechanical condition of the well.

Yours very truly,

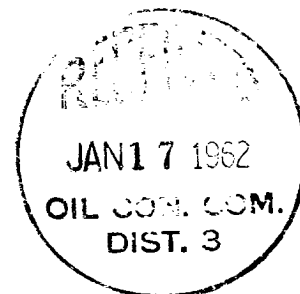
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L. O. Speer, Jr.

L. O. Speer, Jr.
Area Superintendent

FHH/bp

Attachment



Elevations:
RDB 5554
GL 5544

G.L. + R.D.B. = 10.40'

Encountered boulders while drilling surface hole.

9 5/8" 32.3" J-55 casing set at 296 (in 13 3/4' hole)
100 sacks cement to run casing down as
first attempt to cement was stopped due to
steel collar jamming.
Finally cemented with 250 sacks cement (circulated)



Drilled with water to 2275.

7" 20" J-55 casing set at 2274 (in 8 3/4' hole)
Cemented with 475 sacks 6% gel cement
containing 2# Tot Plug/sack followed by
100 sacks neat cement. Circulated an
estimated 150 sacks. (Used 270% flow time)
fill due to river bottom location. Deducted 150
sacks circulated, fill was 150%.

Used Back
Press Lead
Sack hanger
on liner

2 3/8" tubing
landed at
4264

RDB 4350

Found no cement for 18' under
plug & casing & liner locked
with 900 psi. Squashed top of
liner with 100 sacks cement
containing 2% Calcium Chloride
Tried plug to 300 psi OK.

Gas drilled.

4 1/2" 9.5" J-55 liner set 2171-4462
(6 3/4' hole). Cemented with 275 sacks 6% gel
cement containing 2# Tot Plug/sack. Reversed out
cement off of top of liner.

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SCALE: None

Valencia Ge. Unit No 1
Blanco Mesquite Field

J-18-29-9

ENH

DRG.

NO.

12/5/61