

BURLESON & HUFF

ANGELL STATE NO. 2

ANGELL SEVEN RIVERS FIELD

EDDY COUNTY, NEW MEXICO

COMPLETION REPORT

Completed By

ALBRITTON & MEYER

Petroleum Engineers

BURLESON & HUFF

ANCELL STATE NO. 2

EDDY COUNTY, NEW MEXICO

<u>Field</u>	Angell Seven Rivers
<u>Location</u>	660 feet from East line and 1,980 feet from South line, Section 21, Township 19-South, Range 28-East.
<u>Contractor</u>	Ray Smith Drilling Company
<u>Total Depth</u>	1,175 feet
<u>Plug Back Total Depth</u>	1,169 feet
<u>Elevation</u>	3,441 foot ground level
<u>Pay Zone</u>	Seven Rivers
<u>Casing</u>	<u>Surface</u> 7" 20# used, set at 250 feet with 50 sacks cement
	<u>Oil String</u> 4-1/2" 9.5# J-55 set at 1,175 feet with 100 sacks cement
<u>Tubing</u>	2" EUE 4.7# J-55 tubing hung at 1,143 feet
<u>Logs</u>	The Western Company Cammatron
<u>Perforations</u>	1,079 to 1,082; 1,090 to 1,108; 1,112 to 1,120; 1,122 to 1,125 feet
<u>Treatments</u>	Acidizing with 5,000 gallons Western Company regular 15% HCl acid

Burleson & Huff, Angell State No. 2, Eddy County, New Mexico

Potential Well flowed 40 barrels oil plus 1 bbl. of water
in 24 hours on 32/64" choke with FTP 40 psi and
FCP 120 psi. Gravity 34°

Well Head National 4-1/2" x 2" Type E used tubing head with
2" regular 500 psi casing valve

Pumping Unit Jonson 2F12 with 2 h.p. electric motor

Respectfully submitted,

ALBRITTON & MEYER

Hugh Meyer
Petroleum Engineer

Burleson & Huff, Angell State No. 2

November 30, 1961

T. D. 1,175 feet. Ran 1,175 feet (47 joints) 4-1/2" 9.5# J-55 ST & C used smls. casing and set at 1,175 feet with Halliburton Float and Guide Shoe. Cemented with 100 sacks cement.

WOC.

December 1, 1961

T. D. 1,175 feet.

WOC. Cut off casing.

December 2, 1961

T. D. 1,175 feet. Ran Western Company Gammatron Log (Gamma Ray-Neutron-CCL).

PBTD: 1,169 feet.

Check PBTD at 1,171 feet with tubing. Hung tubing at 1,144 feet. Pressured to 3,500 psi. Held pressure. Displaced hole with oil. Pulled 6 joints tubing. Perforated with Western Company Torpedo jets 2 hpf 1,079 to 1,082 (3); 1,090 to 1,108 (18); 1,112 to 1,120 (8); and 1,122 to 1,125 (3) feet (32 feet total). Ran tubing to 1,144 feet and spotted acid. Hung tubing at 1,050 feet with seating nipple at 1,049 feet (33 joints 2" EUE 4.7# J-55 used smls. Acidizing with 5,000 gallons Western Company regular 15% HCl acid with non-emulsion agent. Max. pressure 1,950 psi. Average injection rate 7 BPM. Final pressure 950 psi and in 10 minutes, 900 psi. Dropped 70 balls during treatment but did not get any increase in pressure. Job completed at 2:10 p.m. Total load = 120 bbls. acid plus 20 bbls. oil = 140 bbls. Opened well to tanks at 3:00 p.m.

DETAILS OF TUBING STRING

<u>From</u>	<u>To</u>	<u>Amt.</u>	<u>No. Jts.</u>	<u>Description</u>
0.00	2.16	2.16	---	2" EUE x 2' J-55 Smls. Tbg. Sub.
2.16	1,049.10	1,046.94	33	2" EUE 4.7# J-55 Used Smls. Tbg.
1,049.10	1,050.20	1.10	---	2" EUE Pump Seating Nipple
		<u>1,050.20</u>	<u>33</u>	
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Burleson & Huff, Angell State No. 2

December 3, 1961

PBTD 1,169 feet. Well flowed and swabbed 113 barrels fluid in 25 hours. (40 barrels water, 20 barrels load oil, and 53 barrels new oil.) Well flowed 12 hours and then started swabbing. Shut well in at 4:00 p.m.

December 4, 1961

PBTD 1,169 feet. Shut in T. P. 40 psi and shut in CP 180 psi. Opened well at 7:00 a.m. Well dead. Swabbed well for 2 hours. Well flowed 33 bbls. fluid in 8 hours and died.

December 5, 1961

PETD 1,169 feet. Well dead. Waiting on electricity.

December 6, 1961

PETD 1,169 feet. Well dead. Waiting on electricity.

December 7, 1961

PBTD 1,169 feet. Well dead. Waiting on electricity.

December 8, 1961

PBTD 1,169 feet. Well dead. Waiting on electricity.

December 9, 1961

PBTD 1,169 feet. Well dead. Waiting on electricity.

December 10, 1961

PBTD 1,169 feet. Ran 3 joints of tubing. Seating nipple at 1,142 feet.

Burleson & Huff, Angell State No. 2

DETAILS OF TUBING STRING

<u>From</u>	<u>To</u>	<u>Amt.</u>	<u>No. Jts.</u>	<u>Description</u>
0.00	1,142.00	1,142.00	36	2" EUE 4.7# J-55 Used Smls. Tbg.
1,142.00	1,143.10	1.10	--	2" EUE Pump Seating Nipple
		<u>1,143.10</u>	<u>36</u>	

Ran rods and pump as follows:

8	Pump 2" x 1-1/4" x 8" w/4' plunger, double valve, bottom hold down, traveling barrel w/3/4" x 5' gas anchor.
4	1 5/8" x 4' Sucker Rod Sub.
1,100	44 5/8" x 25 Sucker Rods.
12	2 5/8" x 6' Sucker Rod Subs.
8	2 5/8" x 4' Sucker Rod Subs.
2	1 5/8" x 2' Sucker Rod Sub.
<u>7</u>	<u>1-1/8" x 11' Polish Rod w/1-1/4" x 3' Polish Rod Liner:</u>
1,141	

Set pumping unit and hooked up same.