BUTTON "A" #4
(Completion)

Rig 2

10-5-84 Moved from the Button "A" #3 to Button "A" #4 and rigged up.

10-6-84 Changed out drilling line.

10-7-84 Shut down.

10-8-84 Swabbed down to D.V. tool and drilled on D.V. to[illegible].

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10-9-84 Drilled up D.V. tool.

10-10-84 Drilled and cleaned out to float. Ran tail log - Loggers TD 3462'
(float).

10-11-84 Drilled on float.

10-12-84 Drilled up float and 25' cement in shoe jt. to TD of 3488'.
Ran Gamma Ray/Neutron tail log.

10-13-84 Great Guns on location. Truck broke down. Got another truck on location. Perforated from 3458' to 3464' and from 3444' to 3450' with 4 shots per ft. Swabbed well down - had a show of gas.
Shut well in 1 hr. Had 9# casing pressure - Gas TSTM.
Shut well in.

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10-14-84 Shut down.

10-15-84 SIP - 350#. Blew well down - Gas TSTM. Treated w/500 gal., 7-1/2% mud acid. Max press - 1150#. Treated at 3 BPM at 1150#. ISIP - 1000#. Let sOt 1 hr. and swab load back.
1st hr - slight show of gas TSTM. 1.5 Bbl water. 2nd hr - same.

10-16-84 SIP - 350#. Blew down. Gas TSTM. Perforated from 3130' to 3136' with 4 shots per ft. Set 4-1/2" plug at 3235'. Treated w/500 gal., 15% regular acid. Max press - 750#. Treated at 1-1/2 BPM at 650#. ISIP - 550#. 5 minutes - 480#. Let set 1 hr. and swab load back - short 6 Bbl. 1st hr - 2 Bbl water - Gas TSTM. Shut well in.

10-17-84 SIP - 0#. Set 4-1/2" plug at 2310'. Dropped 8 Bbl water. Perforated from 2200' to 2204' w/4 shots per ft. D.P.'s. Good show of gas. Shut well in 30 minutes. Well would not kick off. Swabbed to plug. 20 min open flow - 60,020 CF/Day; 60 min open flow - 60,020 CF/Day; 2nd hr open flow - 64,910 CF/Day. Ran swab - 1 Bbl water. 3rd hr - 70,010 CF/Day; 4th hr - 73,660 CF/Day. Ran swab - dry. Shut in well.

10-18-84 SIP - 700#. 20 min open flow - 140,100 CF/Day; 30 min open flow - 129,200 CF/Day; 60 min open flow - 120,100 CF/Day. Fillup - 1/2 Bbl water. Treated w/500 gal., 15% regular acid. Max press - 350#. Treated at 5 BPM at 350#. ISIP - 100#. On vacuum in 18 minutes. Let set 1 hr and swab load back. 20 min open flow - 280,000 CF/Day - dry. 1st hr - 1,620,000 CF/Day - wet; 2nd hr - same.

10-19-84 SIP - 710#. 4-1/2" plug at 2100'. Perforated 2 shots at 865'. Ran 4-1/2" packer on 2-3/8" tubing. Set at 940' and tested plug to 1000#. Reset packer at 815'. Pressured annulus to 500#. Squeezed w/400 sx 50-50 pozmix 6% gel and 100 sx common 3% cc. Cement circulated. Squeezed to 1500#. Released packer and pulled tubing and packer.

10-20-84 Drilled 47' of cement.

10-21-84 Shut down.

10-22-84 Drilled up 5' of cement and cleaned out to plug. Squeeze holding. Drilled on plug.

10-23-84 Drilled up plug. Ran tubing in hole. Rigged up swab. Had trouble getting swab to bottom. Parted sand line and dropped swab down tubing.

10-24-84 Pulled tubing and recovered swab. Ran 15' mud anchor, seating nipple and 68 jts - 2210' - 2-3/8" upset tubing. Rigged up tubing swab and swabbed on well. Backside was beginning to pressure up.

10-25-84 SIP - 720# on casing. 15 min open flow - 887,000 CF/Day; 30 min open flow - 162,000 CF/Day; 60 min - 260,000 CF/Day. All of these were wet and slugging off. We shut well in for 1 hr and open flowed for 1 hr. - alternating all day. Last 60 min open flow - 310,000 CF/Day and it had dried up quite a bit. Tore down cable tool.

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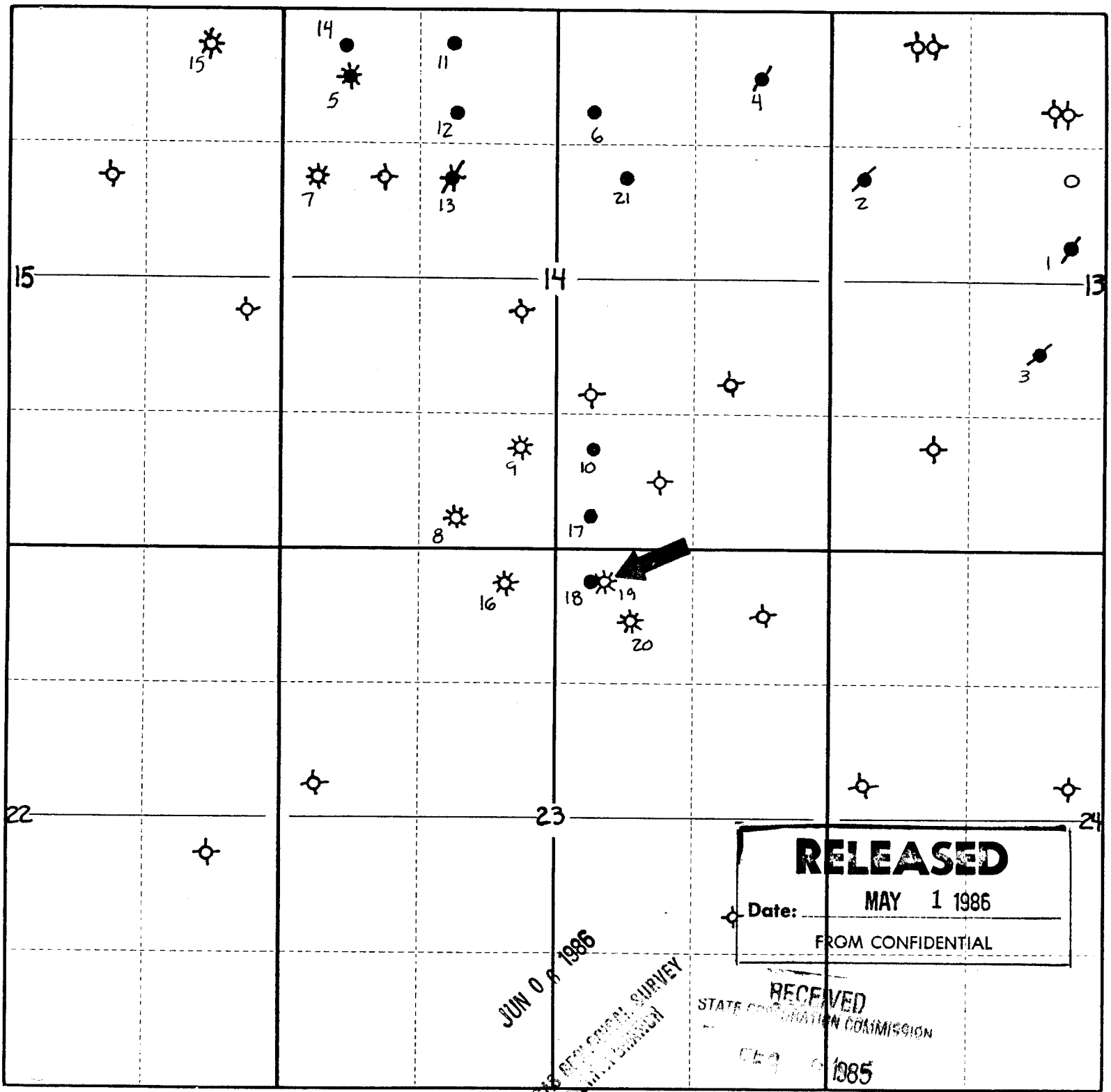
SURVEY

23-19-15W

Frontier Oil Company - #4 Button "A" (Twin)

15'E of NW NW NE, Sec. 23

Township 19S, Range 15W, County Barton, State Kansas



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