

Details of Dual Completion for

Santiago Oil & Gas Company
 State 1-30 Well No. 1
 Unit B, Section 1, T2S, R1E, S4E
 Wildcat
 Lea County, New Mexico

7" Casing shoe

13 3/8" Set 300' (circulated)

9 5/8" Set 4135' (circulated)

Dual String Production
 Packer 10,130'

Perf: 10,218-10,236;
 Perf from to
 10,250-10,258 w/2
 jet shots p/ft
 2" tbg. @

Top of Oil String Cement 8100'

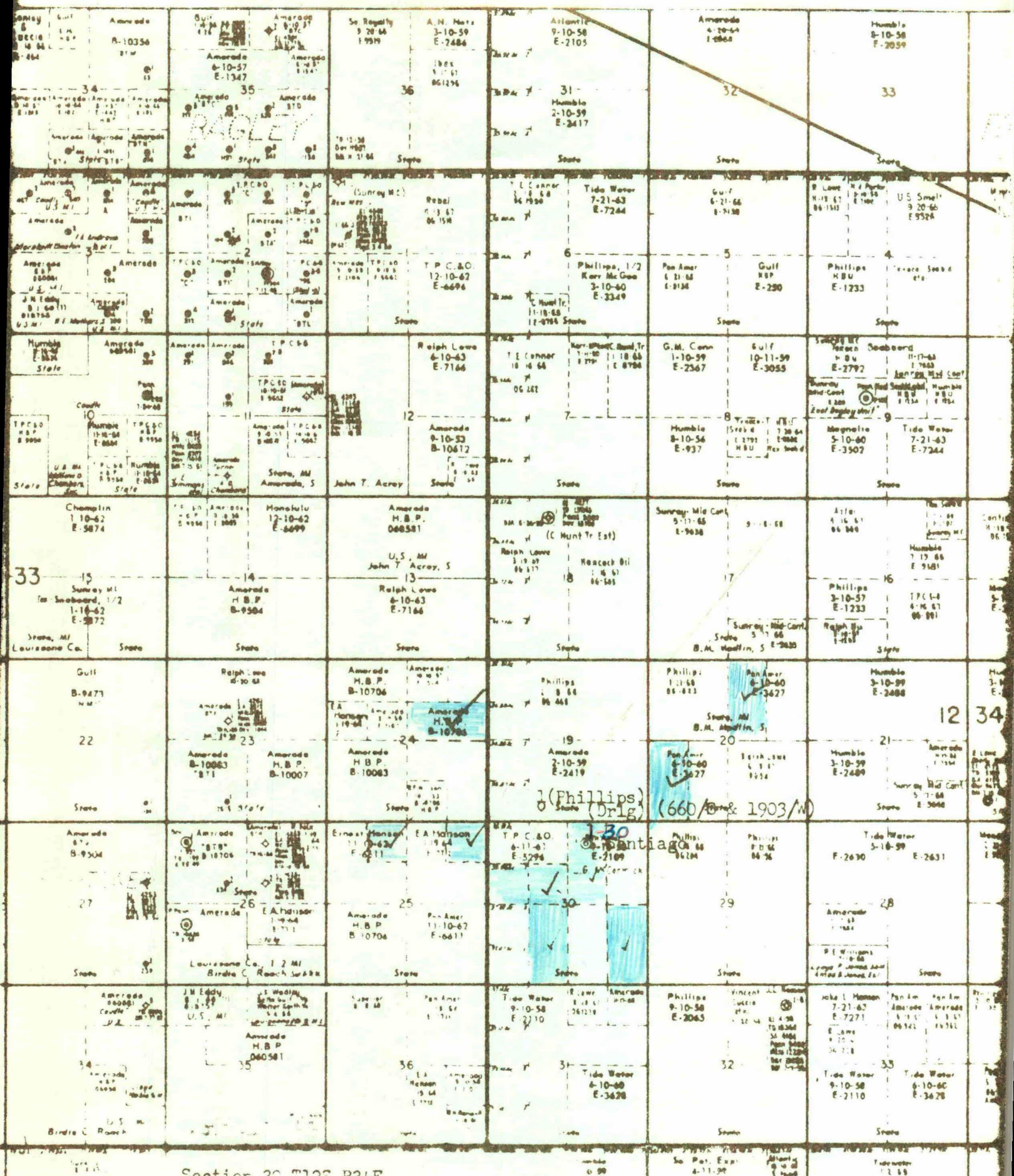
Baker Model K Prod. Pack
 12,875'

Perf: 12,899-12,924
 w/2 bullet shots per ft

2" tbg. set @
 12,910'

ILLEGIBLE

Not drawn to scale



Section 30 T12S R34E

Santiago Oil & Gas Company
 State No. 1-30
 660/N & 1903/E To be Dual
 Offset in Section 19:
 Phillips Pet Co. Signal No. 1
 660/S & 1703/W Drlg.

FM G. McCORMICK and ASSOCIATES
 STATE 1-30 LEASES
 LEA COUNTY, NEW MEXICO
 "EXHIBIT C"

ILLEGIBLE

[illegible]

~~CONFIDENTIAL~~
BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

S. J. Nutter EXHIBIT NO. 1

CASE NO. 1612

Details of Dual Completion Log

Santiago Oil & Gas Company
 State 1-30 Well
 Unit B, Section 17, T4N 12R 8E
 Wildcat
 Lea County, New Mexico

7" casing

13 3/8" Set 300 (circulated)

9 5/8" Set 4130' (circulated)

Dual String Production
 Packer 10,190

Perf: from 10,218-10,236;
 10,250-10,258 w/2
 jet shots per ft

2" log

Top of Oil String Cement 8200'

Base of N. A. Pack
 12,815'

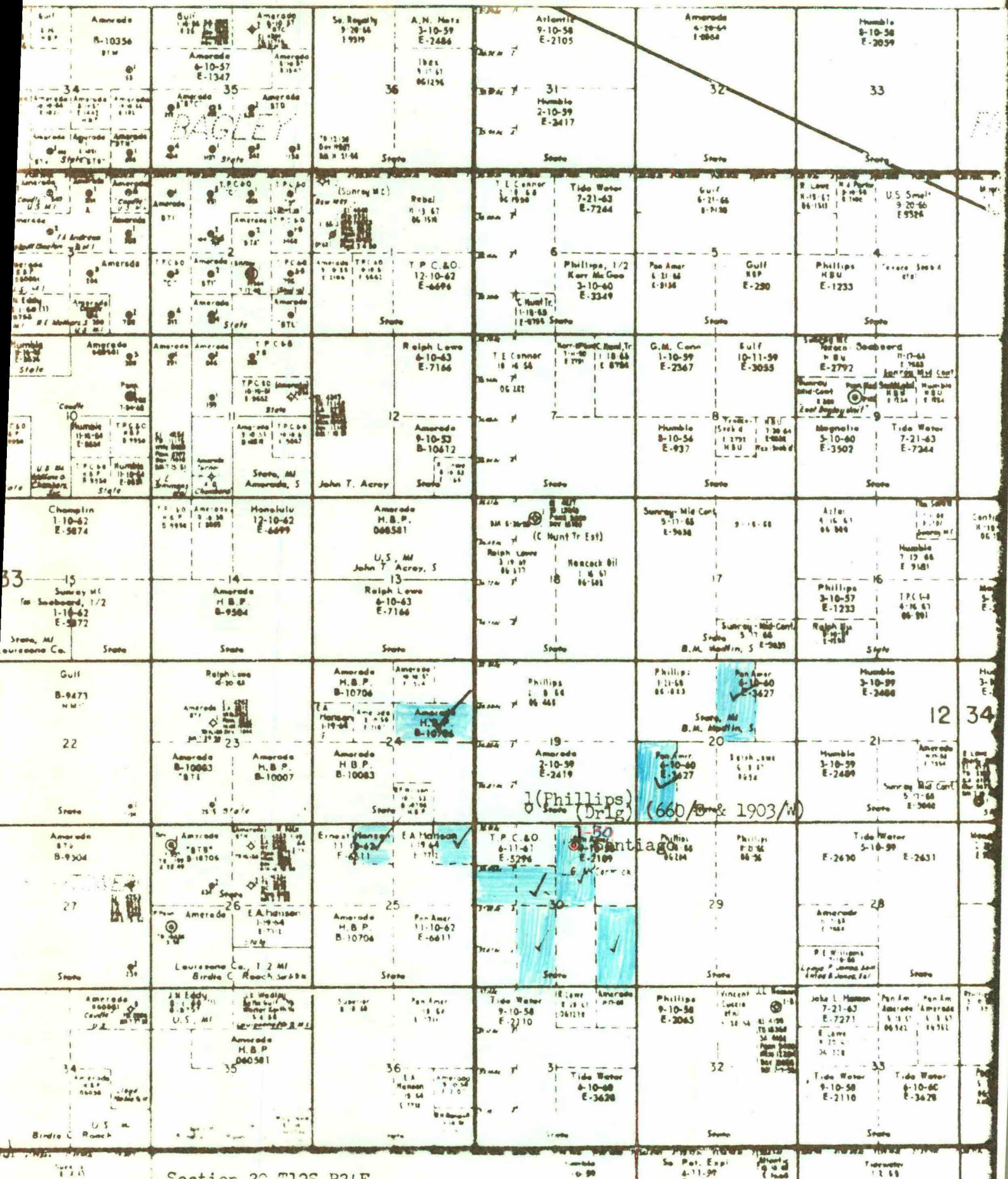
Perf: 12,899-12,921 w/2 bullet
 shots per ft

2" log set @

12,910'

ILLEGIBLE

not drawn to scale



Section 30 T12S R34E

Santiago Oil & Gas Company
 State No. 1-30
 660/N & 1903/E To be Dual
 Offset in Section 19:
 Phillips Pet Co. Signal No. 1
 660/S & 1903/W Drig.

FM G. McCORMICK and ASSOCIATES
 STATE 1-30 LEASES
 LEA COUNTY, NEW MEXICO
 "EXHIBIT C"

ILLEGIBLE