

George A. Angle
(Name)

66024

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR

Frontier Oil Co.

LEASE

Riffel "C"

SEC. 27

TWP. 9S

RGE. 23W

FILL IN WELL LOG AS REQUIRED:

Graham County, Ks

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME | DEPTH |
|---------------------------------------|-----|--------------|--|---|
| WASH DOWN WDTD | 0 | 3920 3920 | Anhydrite Topeka Heebner Toronto Lansing BKC RTD WDTD | 1967(+ 417 3429(- 1045 3647(- 1263 3668(- 1284 3679(- 1296 3905(- 1521 3920(- 1536 3920(- 1536 |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | | | | Depth interval treated | |
|---|----------------|--|--------------------------------|------------------------|------|
| 500 Gal 15% Regular | | | | 3852-3856 | |
| 500 Gal 15% Regular | | | | 3870-3876 | |
| Date of first production 5-1-81 | | Producing method (flowing, pumping, gas lift, etc.) pumping | | Gravity | |
| RATE OF PRODUCTION PER 24 HOURS | Oil 3 bbls. | Gas -0- MCF | Water % trace bbls. | Gas-oil ratio -0- | CFPS |
| Disposition of gas (vented, used on lease or sold) n/a | | | Perforations 3852-52 / 3870-76 | | |

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) ~~XXXXXX~~

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| OLD INFO: | | | | | | | |
| Surface | 12 1/4" | 8 5/7" | ? | 203 | not known | 160 | not known |
| Production | 7 7/8" | 4 1/2" | 10 1/2 # | 3918 | Common | 200 | 10% Salt |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------------|-----------------------|----------------------|---------------|-------------|----------------|
| | | | 4 | DPs | 3852-3856 |
| | | | 4 | DPs | 3870-3876 |
| TUBING RECORD | | | | | |
| Size 2 3/8" | Setting depth 3857 | Packer set at n/a | | | |