

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 6876 EXPIRATION DATE 6/30/83

OPERATOR Northern Natural Gas Producing Co. for API NO. 15-189-20596-0000

ADDRESS P. O. Box 5444 Mobil Oil Corporation COUNTY Stevens

Denver, CO 80217-5444 FIELD Panoma

** CONTACT PERSON C. J. Park, Prod. Acctg. Supervisor PROD. FORMATION Council Grove PHONE 303/572-2696

PURCHASER Northern Natural Gas Company LEASE Chaffin #1-C Unit

ADDRESS 2223 Dodge Street WELL NO. #2

Omaha, Nebraska 68102 WELL LOCATION Sec. 23-32S-36W

DRILLING Earl F. Wakefield, Inc. 1250 Ft. from South Line and

CONTRACTOR 300 W. Douglas, Suite 500 1250 Ft. from West Line of

ADDRESS Wichita, KS 67202 the (Qtr.) SEC 23 TWP 32S RGE 36W

PLUGGING - WELL PLAT (Office Use Only)

CONTRACTOR ADDRESS

ADDRESS

TOTAL DEPTH 3160' PBD 3145'

SPUD DATE 9/15/82 DATE COMPLETED 10/12/82

ELEV: GR 3047.3 DF KB 3055.3

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD-117710

Amount of surface pipe set and cemented 762' DV Tool Used? No

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

AFFIDAVIT

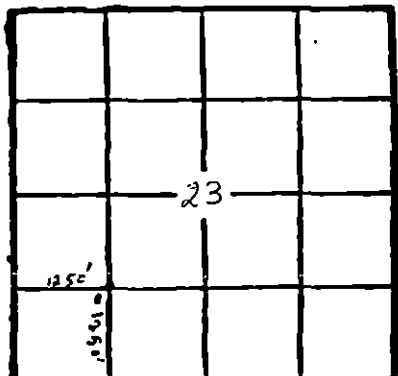
C. J. Park, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

SUBSCRIBED AND SWORN TO BEFORE ME this 16 day of November, 1982.

MY COMMISSION EXPIRES: 11-28-84

** The person who can be reached by phone regarding any questions concerning this information.



(Office Use Only) KCC [checked] KGS [checked] SWD/REP [] PLG. []

RECEIVED STATE CORPORATION COMMISSION NOV 19 1982 CONSERVATION DIVISION Wichita, Kansas

SIDE TWO Northern Natural Gas for
 OPERATOR Mobil Oil Corporation

LEASE Chaffin #1-C Ut. #2

ACO-1 WELL HISTORY
 SEC. 23 TWP. 32S RGE. 36W

FILL IN WELL LOG AS REQUIRED:

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. | |
|---------------------------------------|------|--------|--|-------|
| | | | NAME | DEPTH |
| Sand & Clay | 0 | 685 | CHASE Council Grove | 2599 |
| Red Bed | 685 | 925 | | 2939 |
| Shale | 925 | 1230 | | |
| Sand | 1230 | 1445 | | |
| Shale | 1445 | 1600 | | |
| Shale & Anhydrite @ 1777' | 1600 | 2010 | | |
| Shale | 2010 | 2415 | | |
| Shale & Lime | 2415 | 2670 | | |
| Lime & Shale | 2670 | 3160 | | |
| R.T.D. | 3160 | 3160 | | |

Report of all strings set—surface, intermediate, production, etc. **CASING RECORD (New) or (Used)**

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs./ft. | Setting depth | Type cement | Secks | Type and percent additives |
|-------------------|-------------------|---------------------------|-----------------|---------------|-------------|-------|-------------------------------------|
| Surface casing | 12 1/4" | 8 5/8" | 24# | 762' | Class H | 160 | 12% gel, 3% CaCl ₂ |
| | | | | | Class H | 125 | 3% CaCl ₂ |
| Production casing | 7 7/8" | 5 1/2" | 14# | 3160' | Class H | 540 | 65/35 Poz. + 6% gel & |
| | | | | | Class H | 125 | 1/4# cellophane, 8% salt + .2% D-46 |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Secks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|--|
| | | | 2 shots/ft. | | 2947/2951, 2954/2961, 2954/2961, 2964/2969, 2973/2977, 2986/2990, 3014/3017, 3021/3025 |

TUBING RECORD

| Size | Setting depth | Factor set at |
|--------|---------------|---------------|
| 2 3/8" | 3145' | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|------------------------|
| Acidized down 5 1/2" casing w/3738 gal. L401 acid + additives w/93 ball sealers. | 2947/3025' |

| | | |
|------------------------------|---|------------------------------|
| Date of first production | Producing method (Flowing, pumping, gas lift, etc.) | Gravity |
| Awaiting pipeline connection | | Awaiting pipeline connection |

| DATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio | CFPS |
|---|-----|-----|--------------|---------------|------|
| | | | % | | |
| Disposition of gas (vented, used on heat or sold) | | | Perforations | | |
| Awaiting pipeline connection | | | 2947/3025' | | |