

AMENDED REPORT

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

SIDE ONE

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F _____ Letter requesting confidentiality attached.

C _____ Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 6878 EXPIRATION DATE 6/30/84
OPERATOR Northern Natural Gas Prod. Company API NO. 15-189-20649 -00-00
ADDRESS P. O. Box 5444 COUNTY Stevens
Denver, CO 80217 FIELD Panoma Council Grove
** CONTACT PERSON C. J. Park, Prod. Acctg. Supv PROD. FORMATION NW/4
PHONE 303/298-2696

PURCHASER Northern Natural Gas Company LEASE Wayland No. 1 Unit
ADDRESS 2223 Dodge Street WELL NO. 3
Omaha, Nebraska 68102 WELL LOCATION C NW/4

DRILLING Earl F. Wakefield, Inc. 1320Ft. from North Line and
CONTRACTOR ADDRESS 300 W. Douglas Suite 500 1320Ft. from West Line of
Wichita, Kansas 67202 the NW/4 (Qtr.) SEC 23 TWP 33 SRGE 36 W/W.

PLUGGING -
CONTRACTOR ADDRESS

TOTAL DEPTH 3149' PBD 3121'
SPUD DATE 2/26/83 DATE COMPLETED 5/24/83
ELEV: GR 3026.8' DF KB 3034.8'

DRILLED WITH (SABER) (ROTARY) (AKK) TOOLS.
DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE CD-3805, (C-19820)

Amount of surface pipe set and cemented 623' DV Tool Used? No

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Shut-in Gas, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion. Other completion. NGPA filing

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

A F F I D A V I T

W. R. Ross, 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.

W. R. Ross (name)

SUBSCRIBED AND SWORN TO BEFORE ME this 25th day of August, 1983.

Cynthia H. Allen (NOTARY PUBLIC)

MY COMMISSION EXPIRES: 11-28-84

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

RECEIVED NGPA REGISTRATION COMMISSION 1983 11-7-1983

SIDE TWO

OPERATOR Northern Natural Gas Co. LEASE Wayland No. 1 Ut. SEC 23 TWP 33 RGE 16W (W)

WELL IN WELL INFORMATION AS REQUIRED:

WELL NO. 3

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

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
x Check if no Drill Stem Tests Run.				
Check if samples sent to Geological Survey				
Sand, clay	0	630	Chase	2599
Red bed	630	1050	Council Grove	2949
Shale - Gyp	1050	1250		
Sand	1250	1375		
Shale, Gyp & Anhydrite Streaks	1375	1685		
Shale & Gyp	1685	1728		
Anhydrite	1728	1749		
Shale & Gyp	1749	1970		
Shale	1970	2196		
Shale & Lime	2196	2360		
Lime & Shale	2360	2565		
Lime & Shale	2565	2720		
Lime & Shale	2720	3150		
R.T.D.	3150			

If additional space is needed use Page 2,

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	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"	32#	623'	Class H Class H	120 125	12% gel & 3% CaCl ₂ 3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5#	3131'	65/35 Cl H Class H	520 125	6% gel + #/sk cellophane 8% salt, .2% D-46

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			shots/ft.		2950-2953, 2956-2961
					2969-2976, 2978-2981
2 3/8"	3033'				2987-2989, 3002-3004 3010-3024

ACID, FRACTURE SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized down 5 1/2" casing with 5,418 gal. of 1401 acid + additives w/108 ball sealers.	2950-3024

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
Awaiting Pipeline connection		
Estimated Production -I.P.	Gas _____ bbls. MCF _____	Water % _____ bbls. CFPB _____
Disposition of gas (vented, used on lease or sold)		Perforations
Awaiting pipeline connection		2950-3024