

Sign
TYPE

AMENDED REPORT
AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt.

13-28-34W

SIDE ONE

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

DOCKET NO. NP

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.

State Geological Survey
WICHITA BRANCH

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. 15-081-20,283

ADDRESS P. O. Box 5444 COUNTY Haskell
Denver, CO 80217 FIELD Eubank

** CONTACT PERSON C. J. Park, Prod. Acctg. Supv. PROD. FORMATION Morrow
PHONE 303/298-2696 Indicate if new pay.

PURCHASER Permian Corporation LEASE W. A. Freeman

ADDRESS 9810 E. 42nd, Suite 233 Koger Exec. Ctr WELL NO. 1
Tulsa, OK 74145 WELL LOCATION SE SW

DRILLING Lanex Drilling 660 Ft. from South Line and
CONTRACTOR Lakepoint Tower West 1980 Ft. from West Line of
ADDRESS 4013 N.W. Expressway Suite 610 the SW/4 (Qtr.) SEC 13 TWP 28S RGE 34W
Oklahoma City, OK 73112

PLUGGING - WELL PLAT (Office Use Only)
CONTRACTOR
ADDRESS

TOTAL DEPTH 5627' PBTD 5516'

SPUD DATE 8/10/83 DATE COMPLETED 9/15/83

ELEV: GR 2992' DF KB 3007'

DRILLED WITH (GALLEY) (ROTARY) (KIRK) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE 82408-C (C-13821)

Amount of surface pipe set and cemented 1505' DV Tool Used? Yes

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

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.

WHE-82-51

ACO-1 Well History

Side TWO Northern Natural Gas Prod. Co. LEASE NAME W. A. Freeman SEC 13 TWP 28S RGE 34W (W)
 OPERATOR WELL NO 1

FILL IN WELL INFORMATION AS REQUIRED:

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
<input checked="" type="checkbox"/> Check if no Drill Stem Tests Run. <input type="checkbox"/> Check if samples sent Geological Survey.			Heebner	4050
			Toronto	4076
			Lansing	4152
			Kansas City	4576
			Marmaton	4672
			Morrow Shale	5255
			Chester	5380
			St. Genevieve	5494
			St. Louis	5520

If additional space is needed use Page 2

Report of all strings set—surface, intermediate, production, etc.

CASING RECORD (New) or (REVISION)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Socks	Type and percent additives
Surface	12 1/4"	9 5/8"	36#	1905'	Class H	500	12% gel + 3% CaCl ₂
					Class H	100	3% CaCl ₂
Production	7 7/8"	5 1/2"	17#	5627'	Class H	425	10% NaCl + 1/4# sk. D-air 1
					Howco Lite	325	(65/35 poz) + 4% gel.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			2 shots/ft.	U. Morrow	5334-5338,

TUBING RECORD

L. Morrow 5351-5357

Size	Setting depth	Packer set at
2 3/8"	5252'	

P1

State Geological Survey
WICHITA BRANCH

SIDE TWO (Page Two)

Co.

OPERATOR Northern Natural Gas Prod. LEASE NAME W. A. Freeman

ACO-1 WELL HISTORY

X233

SEC. 13 TWP. 28S RGE. 34W

(W)

FILL IN WELL LOG AS REQUIRED: WELL NO. 1

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
Frac Record:				

Frac (Lower Morrow Perfs) w/10M gal. M-T-oil diesel + 12 M# 20/40 sd. Fluid contained 80 gal. MO-55 + 30 gal. MO-56 + 250# silica flour + 250# MO-II + 500 # K-34 + 10 gal. C LA-STA + 10 gal. Hyflow IV.

Frac (Upper Morrow perfs) with 10,000 gal. M-T-oil diesel + 5600# 20-40 sd. 80 gal. MO-55 + 30 gal. MO-56 activator 250# silica flour + 250# MO-II + 500# K-34 + 10 gal. CLA-STA 0 + 10 gal. Hyflow.

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
For frac record see attached sheet.	5334-5338
	5351-5357
Date of first production	Producing method (flowing, pumping, gas lift, etc.)
Estimated Production-I.P.	Gravity
Oil bbls.	Gas MCF
Water %	Gas-oil ratio bbls.
Disposition of gas (vented, used on lease or sold)	CFPB
	5334-5338, 5351-5357
	Perforations