

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Compt. _____

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.

F 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.

C 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. No Log

LICENSE # 5654 EXPIRATION DATE June 30, 1985

OPERATOR Rine Drilling Company API NO. 15-025-20,781-00-00

ADDRESS 300 W. Douglas, Suite 600 COUNTY Clark

Wichita, Kansas 67202 FIELD Snake Creek

** CONTACT PERSON Donna K. McKee PROD. FORMATION Morrow "D"

PHONE 316-267-1333

PURCHASER Northern Natural Gas Company LEASE Barby

ADDRESS 2223 Dodge Street WELL NO. 8-21A

Omaha, Nebraska 68102 WELL LOCATION C NW SW

DRILLING Rine Drilling Company 1980 Ft. from South Line and

CONTRACTOR CONTRACTOR *660 Ft. from West Line of (K)

ADDRESS 300 W. Douglas, Suite 600 *Skidded rig 75' West (K)

Wichita, Kansas 67202 the SW (Qtr.) SEC 21 TWP 34S RGE 21 (W)

PLUGGING N/A

CONTRACTOR CONTRACTOR

ADDRESS ADDRESS

WELL PLAT

(Office Use Only)

		21	
*			

KCC

KGS

SWD/REP _____

PLG. _____

TOTAL DEPTH 5,609' PBDT 5556.43'

SPUD DATE 2-18-84 DATE COMPLETED 3-29-84

ELEV: GR 1772' DF 1782' KB 1784'

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

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE None

Amount of surface pipe set and cemented 8-5/8 @ 859' 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.

A F F I D A V I T

E. J. Rine, 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.

E. J. Rine, (Name) President

SUBSCRIBED AND SWORN TO BEFORE ME this 24th day of April

19 84

MY COMMISSION EXPIRES: January 21, 1985

Monna K. McKee (NOTARY PUBLIC)

RECEIVED STATE CORPORATION COMMISSION APR 26 1984 CONSERVATION DIVISION Wichita, Kansas

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

*** IF HOLE IS PLUGGED A THIRD COPY IS NEEDED. FOR INJECTION OR DISPOSAL FOUR COPIES ARE NEEDED.

SIDE TWO

ACO-1 WELL HISTORY (E)

OPERATOR Rine Drilling Company LEASE Barby

SEC. 21, TWP. 34SRGE. 21 (W)

FILL IN WELL INFORMATION AS REQUIRED:

WELL NO. 8-21A

FORMATION DESCRIPTION, CONTENTS, ETC.		TOP	BOTTOM	NAME	DEPTH
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.	
Check if no Drill Stem Tests Run.				B./Lecompton	4072 -2288
DST #1: 4254-80' 30-60-30-60 V. wk. blow. Rec. 90' of mud IFP 100-100 FFP 100-90 ISIP 308 FSIP 179				Elgin Sand	4118 -2334
				Oread Lm.	4208 -2424
				Heebner Shale	4240 -2456
				Toronto Lm.	4262 -2478
				B/Amazonia Lm.	4324 -2540
				Lansing	4447 -2663
				Swope Lm.	4937 -3153
				Base/KC	5036 -3252
				Marmaton	5061 -3277
				Cherokee Shale	5219 -3435
				Morrow Sh	5359 -3575
				Morrow "C" Sd	5395 -3611
				Mississippian	5547 -3763
DST #2: 4269-95' 30-60-30-60 V. wk. blow Rec. 30' of mud IFP 40-40 FFP 40-40 ISIP 278 FSIP 179					
DST #3: 5358-5410' 30-60-60-90 Good blow, G.T.S. in 30 min. 2nd flow guage: 101 Mcf immed. 108 Mcf in 10 min. 124 Mcf in 20 min. 147 Mcf in 30 min. 171 Mcf in 40 min. 191 Mcf in 50 min. 200 Mcf in 60 min. Rec. 270' of SLI gas cut mud. IFP 81-101 FFP 81-122 ISIP 1663 FSIP 1454					
DST #4: 5404-50' Continued - If additional space is needed use Page 2, Side 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
Conductor	30"	20"		126'	common	475	3% cc.
Surface	17-1/2"	13-3/8"	48#	223'	Hali Lt	150	3% cc., 1/4#FC, Calseal 5#
Intermediate	12-1/4"	8-5/8"	24#	859'	Hali Lt. common	450 100	3% cc., 1/4#FC, 5#Calseal 2% gel, 3%cc., 1/4#FC
Production	7-7/8"	4-1/2"	10.5	5597.79'	Pozmix50/50	400	18% salt, .75%CFR-2, 10# gilsonite 2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
N/A	N/A	N/A	4 SPF	Jumbo	5452-56'
TUBING RECORD			4 SPF	Jumbo	5422-25'
Size	Setting depth	Packer set at			
2-3/8"	5426	None			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
250 gal. 7-1/2" D S FE w/methanol		5452-56'
250 gal. 7-1/2" D S FE w/methanol		5422-25'
5000#'s 20-40 sand, 4000 gal. diesel, 350,000 SCF Nitrogen		5422-25'
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
Shut-in gas well	flowing	N/A
Estimated Production -I.P.	Oil none bbls. Gas 3,000,000 MCF Water 0 % bbls. Gas-oil ratio NA CFPB	
Disposition of gas (vented, used on lease or sold)		Perforations
Waiting on pipeline connection		5422-25'

OPERATOR Rine Drilling Company LEASE NAME Barby SEC. 21 TWP. 34S RGE. 21 (E) (W)

FILL IN WELL LOG AS REQUIRED: WELL NO. 8-21A

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
<p>DST #4: continued - 5404-50' 30-60-60-90 Strong blow. G.T.S in 10 min. of 2nd flow. Guaged 4.84 Mcf in 20 min. 7.06 Mcf in 30 min. 8.89 Mcf in 40 min. 10.5 Mcf in 50 min. 12.1 Mcf in 60 min. Rec. 210' SLI. Gas cut mud IFP 90-100 FFP 60-119 ISIP 1340 FSIP 1389</p>				
<p>DST #6: 5438-68' Log depths - straddle) Packer failed.</p>				
<p>DST #5: 5517-60' 30-60-60-90 Wk. blow - 1st flow, none 2nd flow Rec. 30' of mud IFP 60-60 FFP 70-80 ISIP 139 FSIP 107</p>				