

AFFIDAVIT OF COMPLETION FORM

ACO-1

This form shall be filed in triplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed. Circle one: Oil, gas, dry, SWD, OWWO, injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, salt water disposal and injection. Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.) KCC#-(316)263-3238.

OPERATOR F. G. HOLL

API NO. 15-047-20,875-0000

ADDRESS 6427 East Kellogg
Wichita, Kansas 67207

COUNTY Edwards

FIELD Enlow

**CONTACT PERSON Flwyn H. Nagel
PHONE (316) 684-8481

PROD. FORMATION KINDFRHOOK

LEASE RUDD

PURCHASER Northern Natural Gas Co.

WELL NO. 5-16

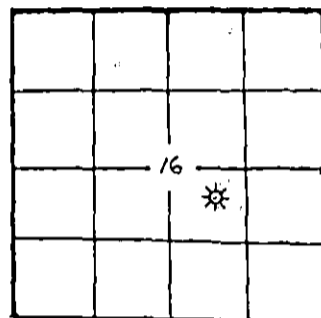
ADDRESS 2223 Dodge
Omaha, Nebraska 68102

WELL LOCATION 510 FNL 810 FWL SE/4

510 Ft. from north Line and
810 Ft. from west Line of
the SE/4 SEC. 16 TWP. 24S RGE. 16W

DRILLING CONTRACTOR Sterling Drilling Company
ADDRESS P. O. Box 129
Sterling, Kansas 67579

PLUGGING CONTRACTOR N.A.
ADDRESS _____



WELL PLAT

KCC
KGS
MISC _____
(Office Use)

TOTAL DEPTH 4360 PBD N.A.

SPUD DATE 6/7/81 DATE COMPLETED 6/13/81

ELEV: GR 2078 DF 2084 KB 2087

DRILLED WITH CASEY (ROTARY) TAPE TOOLS (New) / XXXX casing.

CASING RECORD

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

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		8 5/8	24	253	60/40 Pozmix	210	3% cc
PRODUCTION		4 1/2	10.5	4357	Regular	225	

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
N.A.	N.A.	N.A.	4		4292-96

TUBING RECORD		
Size	Setting depth	Packer set at
2"	4283	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. M.C.A. 750 gal. 15% N.E.	
500 bbls. salt water frac 10,000# 20-40 5,000# 10-20 sand	4292-96

Date of first production <u>January 1982</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Flowing</u>	Gravity <u>N.A.</u>
RATE OF PRODUCTION PER 24 HOURS Oil <u>N.A.</u> Gas <u>29</u> MCF Water <u>% N.A.</u> Gas-oil ratio <u>N.A.</u> CFPs <u>N.A.</u>	Disposition of gas (vented, used on lease or sold) <u>SOLD</u>	
Perforations: <u>4292-96</u>		

*The person who can be reached by phone regarding any questions concerning this information. A witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

82-0954

Name of lowest fresh water producing stratum _____ Depth _____

Estimated height of cement behind Surface Pipe Cement Circulated.

DV USED? NO

WELL LOG

Formation Description, Contents, etc.	Top	Bottom	Name	Depth
Sand	0	85		
Clay and Blue Shale	85	266		
Shale and Sand	266	540		
Red Beds and Shales	540	1094	Heebner	3679
Anhydrite	1094	1105	Brown Lime	3813
Shales	1105	1736	Lansing KC	3825
Lime and Shale	1736	4360	Base KC	4103
			Cherokee Sh	4223
			Cherokee Sd	----
			Conglomerate	4255
			Conglomerate	
			Chert	----
			Mississippi	----
			Kinderhook	
			Shale	4276
			Kinderhook	
			Sand	----
			Viola	4334
			Simpson Sh	----
			Simpson Ss	----
			Arbuckle	----
			RTD	4360
			Flog TD	4361
<p>Drill Stem Test No. 1 (4250-4292) Tool opened with fair blow; strong blow in 6", steady thru test. Gas to surface in 43"; gauged 89,800 CFG/D at end of test Recovered 140' gas cut mud. Pressures: IFP 77, 30"; ISIP 1236. 30"; FFP 77, 60"; FSIP 1236, 30"</p>				

AFFIDAVIT

STATE OF KANSAS, COUNTY OF SEDGWICK SS, _____

Flwyn H. Nagel OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS Geologist (FOR)(OF) F. G. HOLL

OPERATOR OF THE RUDD LEASE, AND IS DULY AUTHORIZED TO MAKE

THIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. 5-16 ON

SAID LEASE HAS BEEN COMPLETED AS OF THE 8th DAY OF July, 1981, AND THAT

ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

(S) Flwyn H. Nagel
 Flwyn H. Nagel Geologist

SUBSCRIBED AND SWORN BEFORE ME THIS 17th DAY OF May 19 82

Mary D. Slagle
 NOTARY PUBLIC

MY COMMISSION EXPIRES:

