

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 # 5056 EXPIRATION DATE June 30, 1983

OPERATOR F. G. HOLL API NO. 15-047-21,041-0000

ADDRESS 6427 East Kellogg COUNTY Edwards

Wichita, Kansas 67207 FIELD Embury

** CONTACT PERSON Elwyn H. Nagel PROD. FORMATION Kinderhook
PHONE (316) 684-8481

PURCHASER NORTHERN NATURAL GAS COMPANY LEASE DUTTON

ADDRESS 2223 Dodge St., Omaha, Ne 68102 WELL NO. 3-17

DRILLING Sterling Drilling Company 2310Ft. from North Line and

CONTRACTOR 2310Ft. from West Line of

ADDRESS P. O. Box 129 the NW (Qtr.) SEC 17 TWP 24S RGE 16W.

Sterling, Kansas 67579

PLUGGING N.A. WELL PLAT (Office Use Only)

CONTRACTOR ADDRESS

TOTAL DEPTH 4415 PBTD

SPUD DATE 6-3-82 DATE COMPLETED 6-9-82

ELEV: GR 2088 DF 2094 KB 2097

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

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

Amount of surface pipe set and cemented 252.55' 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

Elwyn H. Nagel, 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 1st day of November, 1982

Elwyn H. Nagel (Name) Nagel

19 82

MARY D. SLAGLE STATE NOTARY PUBLIC Sedwick County, Kansas My Appt. Exp. 12/31/85

Mary D. Slagle (NOTARY PUBLIC)

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

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR F. G. HOLL

LEASE DUTTON

SEC. 17 TWP. 24S RGE. 16W

FILL IN WELL LOG 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
Surface Soil and Sand	0	90		
Shale	90	268		
Shale and Sand	268	1043		
Shale	1043	1092		
Anhydrite	1092	1113		
Shale	1113	1700		
Lime and Shale	1700	4415		
			Heebner	3687
			Brown Lime	3817
			Lansing KC	3824
			Base KC	4108
			Cherokee Sh	4232
			Mississippi	4264
			Kinderhook Sh	4293
			Kinderhook Ss	4320
			Viola	4386
			RTD	4415
			Elog TD	4415
DST No. 1	4248-4295			
	30-30-60-30			
Strong blow throughout both flow periods. Gas to surface in 3 minutes of second flow period. Recovered 180' drilling mud with a few specks of oil on top of tool.				
IFP 148-148	ISIP 685	FFP 105-105	FSIP 893	

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		8 5/8	24	265	60/40 Pozmix	210	3% cc 2% gel
PRODUCTION		4 1/2"	10.5	4410	Howco Light	100	
					50/50 Pozmix	125	Regular

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
N.A.	N.A.	N.A.	3		4318-24
TUBING RECORD			3		4276-82
Size	Setting depth	Packer set at	3		4269-73
2"	4260.73				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
250 gal. MCA 750 gal. 15% NE 500 bbl. SW frac with		
10,000# 20-40 and 5,000# 10-20 sand		4318-24
1,000 gal. 15% NE 1000 bbl. SW frac with 20,000# 20-40 and 10,000# 10-20 sand		4276-82 4269-73
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
10-82	Flowing	
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF
	1,293	%
Disposition of gas (vented, used on lease or sold)		Gas-oil ratio CFPB
Sold		Perforations 4318-4324