

This form shall be filed in duplicate 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.

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.

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection, T.A.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR Northern Natural Gas Company

API NO. 15-151-21061-00-00

ADDRESS P. O. Box 178

COUNTY Pratt

Cunningham, KS 67035

FIELD N/A CUNNINGHAM

\*\*CONTACT PERSON P. B. Horsch

PROD. FORMATION Viola

PHONE (316) 257-5146

LEASE Besse Smith

PURCHASER N/A

WELL NO. 4-44

ADDRESS N/A

WELL LOCATION See Below

DRILLING Contractor Sterling Drilling Company

900 Ft. from South Line and

CONTRACTOR ADDRESS P. O. Box 129

80 Ft. from West Line of

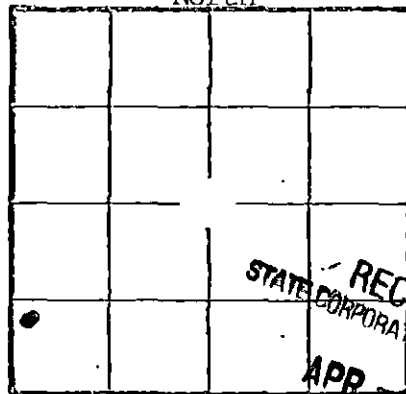
ADDRESS Sterling, KS 67579

the SEC. 4 TWP. 28 RGE. 11W

PLUGGING N/A

WELL FLAT North

CONTRACTOR ADDRESS N/A



KCC ✓  
KGS ✓  
(Office Use)

TOTAL DEPTH 4344.51 KB FBTD N/A

SPUD DATE 1/17/82 DATE COMPLETED 3/25/82

ELEV: GR 1777 DF N/A KB 1790

DRILLED WITH (CABLE) ROTARY (AIR) TOOLS

Amount of surface pipe set and cemented 1507.65' KB

DV Tool

RECEIVED  
STATE CORPORATION COMMISSION  
APR 9 1982  
CONSERVATION DIVISION  
Wichita, Kansas  
-09-82

AFFIDAVIT

STATE OF Kansas, COUNTY OF Rice, SS, I, Jalayne

of lawful age, being first duly sworn upon his oath,

deposes that he is P. B. Horsch (FOR) Northern Natural Gas

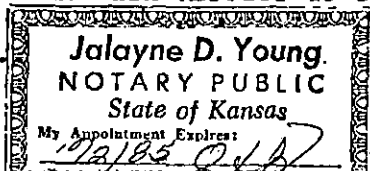
operator of the Besse Smith #4-44 lease, and is duly authorized to make

this affidavit for and on the behalf of said operator, that well no. #4-44 on

said lease has been completed as of the 25th day of March, 1982, and that

all information entered herein with respect to said well is true and correct.

further affiant saith not.



(S) Paul B. Horsch

Subscribed and sworn before me this April, 1982.

Jalayne D. Young  
NOTARY PUBLIC

My Commission Expires: 12/25/85

\*\*The person who can be reached by phone regarding any questions concerning this information. Within 45 days of completion, 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.

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
Hutchinson Salt	1118'	1607'	GRN	0-4340'
Chase Group	1732'	2068'	IES	0-4340'
Council Grove Group	2088'	2430'	BHCS/INT	1460'-4340'
Admire Group	2439'	2540'	SCB/SS	0-1500'
Tarkio Lime	2695'	2755'	CDL	1460'-4340'
Howard Lime	2919'	3020'		
Heebner Shale	3391'	3408'		
Lansing/Kansas City	3594'	3925'		
Pleaston Marmaton Group	3925'	4040'		
Osagian Chert	4044'	4116'		
Kinderhook	4116'	4197'		
Viola	4247'			
Viola cored from 4250' to 4305'				

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 Pipe	17 1/2"	13-3/8"	48LB	KB Depth 167.69'	Portland-Common	150	Calcium chloride 3% 1/2 lb. Flocele/sack
Surface Casing	12 1/4"	8-5/8"	24LB	KB Depth 1507.65'	50/50 Poz	700	Calcium chloride 3% 1/2 lb. Flocele/sack
Well Casing	7-7/8"	5-1/2"	15.5LB	KB Depth 4344.51'	Howco Lite 50/50 poz	750	6% Gel, 10# Gilsonite 18% Salt, .9% Halad 9

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
N/A	N/A	N/A	4-Shots	D.P. Charges	4248' to 4262'
TUBING RECORD			Shots per ft.	Size & type	Depth interval
Size	Setting depth	Packer set at	4-Shots	D.P. Charges	4268' to 4278'
2-7/8"	4247.39' KB	None			

(ACID) FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1,000 gal. 15% Hydrochloric Acid	4248' to 4278'

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity		
N/A	None (Observation Well)	N/A		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	N/A bbls.	N/A bbls.	% N/A MCF	N/A
Disposition of gas (vented, used on lease or sold)		Perforations		
N/A		N/A		