State Geological Survey
WICHITA BRANCH

KANSAS DRILLERS LOG

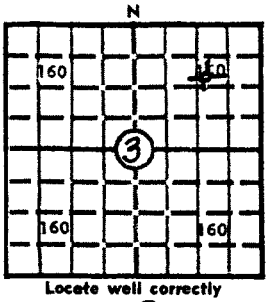
S. 3 T. 20S R. 7E E/W (SW) SEP

API No. 15 — 017 (County) — 20088 (Number)

Loc. NE NE

County Chase

640 Acres



Locate well correctly

Elev.: Gr. 1292

DF _____ KB _____

Operator: Benson Mineral Group, Inc.

Address: 1400 Metrobank Building, Denver, Colorado 80202

Well No.: 1-3

Lease Name: Stauffer

Footage Location: _____ feet from (N) (S) line _____ feet from (E) (W) line

Principal Contractor: B & N Drilling Company

Geologist: _____

Spud Date: 2/15/78

Total Depth: 1260

P.B.T.D.: _____

Date Completed: 2/18/78

Oil Purchaser: _____

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	8-3/4	7"		48'	Port	40	3% Caustic
Production	6¼	4½		1107'			

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2 spf		1036-1045
2 spf		1054-1059

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Frac x 200 gal 15% reg acid, 10,000 # 20-40 sd,	
6557 gal 70 quality foam.	

INITIAL PRODUCTION

Date of first production: None

Producing method (flowing, pumping, gas lift, etc.): _____

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold): _____

Producing interval(s): _____

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator: Benson Mineral Group, Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: 87

Well No.: 1-3 | Lease Name: Stauffer

S 3 T 20S R 7E E/W

WELL LOG

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
soil	0	3		
clay	3	6		
limestone	6	9		
shale	9	27		
lime	27	34		
shale	34	79		
lime	79	81		
shale	81	124		
lime	124	128		
shale	128	145		
shale/lime	145	157		
sandy shale	157	162		
lime	162	170		
shale	170	171		
lime	191	194		
shale	194	261		
lime	261	262		
shale	262	320		
broken shale lime	320	634		
lime	634	668		
shale	668	703		
lime	703	717		
shale	717	726		
lime	726	732		
shale	732	737		
lime	737	739		
sandy shale	739	780		
lime	780	784		
sandy shale	784	790		
lime	790	802		
sandy shale	802	817		
lime	817	834		
sandy shale	834	847		
lime	847	866		
sandy shale	866	916		
lime	916	948		
sandy shale	948	957		
lime	957	965		
shale/lime	965	986		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Paul C. Ellison (gps)
Signature

Sept. 21, 1981
Title

Vice President
Date

580601

3-20-7e

P/ SEP

...on Mineral Group, Inc.
...affer No. 1-3
Well Log

sand/lime	986	997
lime	997	1000
shale	1000	1062
shale/lime	1062	1074
shale	1074	1112
lime	1113	1116
shale	1116	1139
lime	1139	1146
shale	1146	1170
shale/lime	1170	1179
...me	1179	1192
... d/shale	1192	1196
shale/lime	1196	1200
lime	1200	1260