

KANSAS DRILLERS LOG

API No. 15 — 125 — 21,985
County Number

Operator

Benson Mineral Group, Inc.

Address

3200 Anaconda Tower Denver, Colo 80202

Well No.

#1-31

Lease Name

Roberts

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Geologist

Jim Jameson

Spud Date

12-4-78

Total Depth

953'

P.B.T.D.

Date Completed

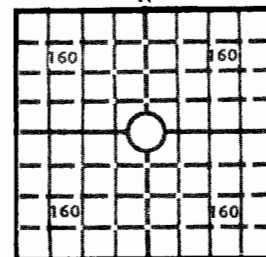
12-5-78

Oil Purchaser

S. 31 T. 34 R. 16 E

Loc. C N2 SE

County Montgomery

640 Acres
N

Locate well correctly

Elev.: Gr. 732' est.

DF KB

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		7"		576'	Common	16	
Production		4½"		896'	Common	100	2% gel
Enclosed:	Gamma Ray - Neutron Log.						

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD				OPEN HOLE	
Size	Setting depth	Packer set at			

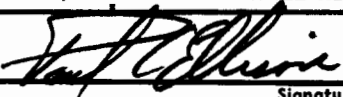
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production Completed 2-12-79 as SIGW		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	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.:	
Well No. #1-31	Lease Name Roberts	SIGW	
S T R 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
Surface	60'	0'	
Grey Shale	155'	60'	
Black Shale	166'	155'	
Lime	167'	166'	
Sand	186'	167'	
Shale & Lime	193'	186'	
Lime	196'	193'	
Sand	261'	196'	
Shale	263'	261'	
Lime	293'	263'	
Sand	355'	293'	
Sandy Shale	427'	355'	
Lime	429'	427'	
Black Shale	432'	429'	
Lime	450'	432'	
Black Shale & Lime	456'	450'	
Sand	510'	456'	
Sandy Shale	555'	510'	
Oswego Lime	582'	555'	
Black Shale	589'	582'	
Lime	610'	589'	
Black Shale	617'	610'	
Lime	623'	617'	
Sand	651'	623'	
Sandy Shale	663'	651'	
Lime	665'	663'	
Black Shale	673'	665'	
Sandy Shale	709'	673'	
Lime	710'	709'	
Sandy Shale	742'	710'	
Lime	743'	742'	
Sandy Shale	793'	743'	
Sand	803'	793'	
Sandy Shale	815'	803'	
Grey Shale	828'	815'	
Sand & Shale	830'	828'	
Sand	843'	830'	
Sandy Shale	848'	843'	
Lime	849'	848'	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	Signature  Paul C. Ellison Production Manager Title March 1, 1979 Date		