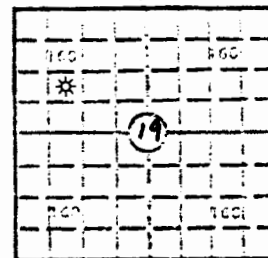


KANSAS DRILLERS LOG

State Geological Survey
WICHITA BRANCH19-17-78
19-17-9EAPI No. 15 — 127 — 20,293
Country Number

Loc. NE SW NW SEP

County MORRIS

640 Acres
N

Locate well correctly

Elev.: Gr. 1417'

DF KB

Operator

Benson Mineral Group, Inc.

Address

3200 Anaconda Tower, 555 17th St., Denver, CO. 80202

Well No.

1-19

Lease Name

Landon

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

B & N Drilling

Geologist

Jim Jameson

Spud Date

11-1-78

Total Depth

1375'

P.B.T.D.

1338'

Date Completed

11-5-78

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	8-5/8"	7"		45'			
Production	6 1/4"	4 1/2"		1338'	60/40 doz	170	2%
Enclosed:	Gamma Ray - Neutron Log.						

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1		1224-1248
TUBING RECORD					1252-1260
Size	Setting depth	Packer set at			1268-1271
1 1/2"	1293'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Foam frac x 250 gal acid, 10,000# sd, 5000 gal foam,	
34000 SCF N ₂	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
Completed 12-7-78 as SIGW					
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPS
	bbls.	MCFS	bbls.		
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

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

Benson Mineral Group, Inc.

Well No.

1-19

Lease Name

Landon

SIGW

S 10 T 17 S R 7 E 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	4		
lime	4	33		
clay	33	40		
lime	40	48		
shale	48	98		
lime	98	101		
shale	101	1110		
lime	110	112		
shale	112	135		
lime	135	140		
shale	140	154		
lime	154	159		
shale	159	166		
lime	166	172		
shale	172	205		
lime	205	236		
shale	236	242		
lime	242	245		
shale	245	266		
lime	266	273		
shale	273	293		
lime	293	304		
shale	304	339		
lime	339	341		
shale	341	573		
lime	573	576		
shale	396	618		
lime	618	622		
shale	622	631		
lime	631	635		
shale	635	666		
lime	666	670		
shale	670	742		
lime	742	745		
shale	745	752		
lime	752	754		
shale	754	799		
lime	799	813		
shale	813	815		

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

Date Received

Signature Paul C. Ellison

Production Manager

Title

March 20, 1979

Date

Benson Mineral Group
Landon 1-19
Drillers Log
Page 2 of 2

14-7E
~~19-17-7e~~ 81
19-17-7E

lime	815	816
shale	816	861
lime	861	863
shale	863	872
lime/shale	872	886
shale	886	891
lime	891	900
shale	900	945
lime	945	953
shale	953	956
lime	956	959
shale	959	989
lime	989	1000
shale	1000	1024
lime	1024	1036
shale	1036	1051
lime	1051	1063
sandy shale	1063	1089
lime	1089	1096
shale	1096	1135
lime	1135	1160
shale	1160	1165
lime	1165	1167
shale	1167	1175
lime	1175	1185
shale	1185	1315
lime	1315	1319
shale	1319	1329
lime	1329	1138
shale	1138	1375