

15-009-21308

State Geological Survey

WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 009 — 21308
County Number

Operator
Benson Mineral Group, Inc.

Address
1400 Metrobank Building, Denver, Colorado 80202

Well No. 2 Lease Name Morrison

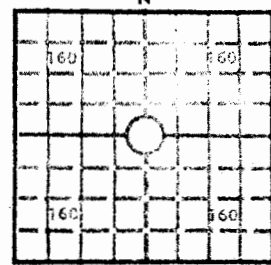
Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor B & N Drilling Geologist Lee Cornwell

Spud Date 1/15/78 Total Depth 3335 P.B.T.D.

Date Completed 1/22/78 Oil Purchaser

S. 3 T. 18S R. 13W^E
Loc. ~~SE NE SW~~ ?
County Barton *SE NE NW per Comp Plan*



Elev.: Gr. 1812
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	12 $\frac{1}{4}$	8-5/8	20	496	Common	300	2% Gel 2% CC
XXXXXXXXXX	Plugged	& Abandon 1/22/78					
Inclosure: Compensated Density Log, Gamma-Guard Log & DST #1 and #2							

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			Not perforated		
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
None	

INITIAL PRODUCTION

Date of first production None Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB
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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. 2	Lease Name Morrison	Plugged and Abandon	
S <u>3</u> T18S R13W ^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
shale	0	712	
lime	712	733	
shale	733	1848	
lime	1848	1852	
shale	1852	2596	
lime	2596	2819	
shale	2819	3296	
lime	3296	3335	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	Signature <i>Courtney E Cook</i> Production Manager Title February 6, 1978 Date		



P. O. BOX 793
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMA) TESTING
TICKET

3-18-13W
22924

Formation Arb Elevation 1820 K.R. Eff. Pay — Ft.

District Great Bend Date 1-20-78 Customer Order No. —

COMPANY NAME B.M.G. Inc.

ADDRESS 1400 Metro Bank Bldg Denver Colo 80202

LEASE AND WELL NO. Morrison #2 COUNTY Barton STATE Kansas Sec. 3 Twp. 18 Rge. 13

Mail Inv. To Same As Above No. Copies Requested Usual

Co. Name " Address "

Mail Charts To " No. Copies Requested Usual

Address "

Formation Test No. 1 O.K. ✓ Misrun — Interval Tested From 3315 to 3330 Total Depth 3330

Size Main Hole 7 1/4" Rat Hole — Conv. — B.T. ✓ Damaged Yes No Conv. — B.T. — Damaged Yes No

Top — er Depth 3310 Ft. Size 6 3/4 Bottom Packer Depth 3315 Ft. Size 6 3/4

Straddle — Conv. — B.T. — Damaged — Yes — No — Packer Depth — Ft. Size —

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 15' Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3322 Ft. Clock No. 6895 Depth 3325 Ft. Clock No. 9725

Top Make Kuster Cap. 3000 No. 3474 Inside — Outside — Bottom Make Kuster Cap. 4000 No. 3659 Inside — Outside —

Below Straddle: Depth — Rec. No. — Clock No. — Inside — Outside — Depth — Ft. Rec. No. — Clock No. — Inside — Outside —

Time Set Packer 1:28 AM Plugging on Pre Flow

Tool Open I.F.P. From 1:30 M. to 2:00 M. — Hr. 30 Min. From (B) 112 P.S.I. To (C) 40 P.S.I.

Tool Closed I.C.I.P. From 2:00 M. to 2:30 M. — Hr. 30 Min. (D) 1037 P.S.I.

Tool Open F.F.P. From 2:30 M. to 3:00 M. — Hr. 30 Min. From (E) 40 P.S.I. To (F) 36 P.S.I.

Tool Closed F.C.I.P. From 3:00 M. to 3:30 M. — Hr. 30 Min. (G) 908 P.S.I.

Initial Hydrostatic Pressure (A) 1643 P.S.I. Final Hydrostatic Pressure (H) 1615 P.S.I. Maximum Temp. 110

INFORMATION

BLOW Weak Blow Decreased - Died in 15 min on Pre Flow, Open Tool For

2nd Flow, Weak 1/4" Blow Throughout 2nd Flow

Did Well Flow — Yes ✓ No — Recovery Total Ft. 15 59' Oil Cut Mud 3' Mud Cut Oil 1'

Reversed Out — Yes ✓ No — Mud Type Drill Viscosity 38 Weight 9.5 Water Loss 16.2 cc. Chlorides 3400 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Plug Safety Joint — Jars: Size — In. Make — Ser. No. —

Dual Packers Yes Did Packers Hold? — Did Tool Plug? NO Where? —

DRILLING CONTRACTOR BEND, R. #8 Length Drill Pipe 2934 ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 360 ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 In. Length D.S.T. Tool 36 ft.

Remarks —

INVOICE SECTION

Open Hole Test	\$ <u>415.00</u>
Straddle Test	\$ <u>—</u>
Jars	\$ <u>—</u>
Selective Zone	\$ <u>—</u>
Safety Joint	\$ <u>—</u>
Misrun	\$ <u>—</u>
Evaluation	\$ <u>—</u>
Packer	\$ <u>—</u>
Circ. Sub.	\$ <u>—</u>
Total	\$ <u>—</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tool or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Approved By La Heonnel Western Representative Max Knipe

Signature of Customer or his
Authorized Representative

Customer's Time



P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMAT) TESTING

3-18-13W

TICKET 22925

Formation Ark Elevation 1420K3 Eff. Pay — Ft.

District G+Bend

Date 1-20-78

Customer Order No. —

COMPANY NAME BMG Inc.

ADDRESS 1400 N. 1st St. Bldg Denver Colo 80202

LEASE AND WELL NO. Morrison #2

COUNTY Barton STATE Kansas

Sec. 3 Twp. 18 Rge. 13

Mail Inv. To Same

Co. Name —

As

Above

No. Copies Requested Usual

Mail Charts To —

—

—

—

Address —

No. Copies Requested Usual

Formation Test No. 2 O.K. — Misrun — Interval Tested From 3308 to 3335 Total Depth 3335

Size Main Hole 7 7/8 Rat Hole — Conv. — B.T. — Damaged — Yes — No — Conv. — B.T. — Damaged — Yes — No —

Top ker Depth 3303 Ft. Size 6 3/4 Bottom Packer Depth 3308 Ft. Size 6 3/4

Straddle — Conv. — B.T. — Damaged — Yes — No — Packer Depth — Ft. Size —

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 27 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3314 Ft. Clock No. 6895 Depth 3330 Ft. Clock No. 9725

Top Make Kuster Cap. 3000 No. 3474 Inside — Outside —

Bottom Make Kuster Cap. 4000 No. 3659 Inside — Outside —

Below Straddle: Depth — Rec. No. — Clock No. — Outside — Depth — Ft. Rec. No. — Clock No. — Outside —

Time Set Packer 4:47 PM

See Remarks Sec.

Tool Open I.F.P. From 4:50 M. to 5:20 M. Hr. 30 Min. From (B) — P.S.I. To (C) — P.S.I.

Tool Closed I.C.I.P. From 5:20 M. to 6:20 M. Hr. — Min. (D) — P.S.I. —

Tool Open F.F.P. From 6:20 M. to 7:20 M. Hr. — Min. From (E) 102 P.S.I. To (F) 639 P.S.I.

Tool Closed F.C.I.P. From 7:20 M. to 8:20 M. Hr. — Min. (G) — P.S.I. —

Initi hydrostatic Pressure (A) 1603 P.S.I. Final Hydrostatic Pressure (H) 1593 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Weak Increased to strong in 3 min.

Did Well Flow — Yes — No — Recovery Total Ft. 1320' Mdy Salt Water

Reversed Out — Yes — No — Mud Type Drill Viscosity 38 Weight 9.5 Water Loss 16.2 cc. Chlorides 34,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Plug Safety Joint — Jars: Size — In. Make — Ser. No. —

Dual Packers — Did Packers Hold? — Did Tool Plug? — Where? —

DRILLING CONTRACTOR K-Mech Rite Length Drill Pipe 2927 ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 360 ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 In. Length D.S.T. Tool 48 ft.

Remarks (Slid Tool 10' To Bottom)

Tool Movement and Plugging Action

Creating False Pressure on Pre Flow Initial

Closed In 45 min. Part of 2nd Flow

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Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel

of the one for whom a test is made or for any loss suffered or sustained directly or indirectly

through the use of its equipment, or its statements or opinion concerning the results of any test.

Tool or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for

collection will be added to the original amount.

INVOICE SECTION

Open Hole Test \$415.00

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Misrun \$

Evaluation \$

Packer \$150.00

Circ. Sub. \$25.00

Total \$570.00

Approved By Lee H. McNeill

Signature of Customer or his
Authorized Representative

Western Representative Thayer Kruse

Operator's Time Thank You

Hrs.