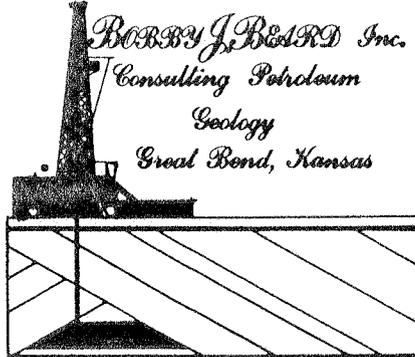


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21-33-11W

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STATE CORPORATION COMMISSION

JAN 28 1985

CONSERVATION DIVISION
Wichita, Kansas



Case Oil & Gas
Gilmore #1
45' E SW SE SW
21 33s 11w
Barber County
Kansas

FEB 13 1985
State Geological Survey
WICHITA BRANCH

21-33-11W^{pl}

Bobby J. Beard Inc.
Consulting Petroleum Geology

1622 Main
P.O. Drawer 1910
Great Bend, Kansas 67530

Office (316) 792-8441
Mobile (316) 792-0712

GEOLOGIST REPORT

CASE OIL & GAS
GILMORE #1
45' E SW SE SW
21-33s-11w
BARBER COUNTY, KS

OPERATOR: Case Oil & Gas
CONTRACTOR: Aldeberan Rig #2
COMMENCED: 11/7/84
COMPLETED: 11/15/84
SURFACE CASING: 8 5/8" @ 261'
PRODUCTION CASING: NA
LOGGING: WireTech, RAG, COL
TESTING: Western Testing
SAMPLES: 10 foot intervals from 3350 to 4785 RTD
DRILLING TIME: 1 foot intervals from 3350 to 4785 RTD
DRILLING MUD: DRIS-PAC
ELEVATION: Kelly Bushing 1377; Ground Level 1369

<u>FORMATIONS</u>	<u>SAMPLE TOPS</u>	<u>E-LOG TOPS</u>	<u>SUB SEA DATUM</u>
Heebner	3565	3565	-2188
Toronto	3579	3579	-2202
Douglas	3597	3598	-2221
Lansing	3757	3755	-2378
Stark	4215	4213	-2836
Hush.	4243	4240	-2863
BKC	4274	4272	-2895
Mississippi	4439	4436	-3059
Kinderhook	4629	4628	-3251
Woodford	4714	4713	-3336
Viola	4751	4749	-3372
RTD	4785	XXXX	-3408
LTD	XXXX	4786	-3409

Gilmore #1

21-33-11W

PL

SAMPLE SHOWS

Mississippi

4440-4460 Chert, blue-gray, vitreous. Poor pinpoint porosity, poor show of free oil.

Chert, blue-gray and brown, tripolitic, tripolitic and vuggy porosity, light brown stain, slight to fair show of free oil, good odor.

Chert, white and blue-green, granular, limey in part, trace stain and rare show of free oil.

4470-4480 Chert, blue-gray, some with vuggy porosity, black stain, trace show of free oil, slightly gassy.

Cherty, white, gray, tan, vuggy and tripolitic porosity in part, trace to fair show of free oil, trace dolomitic.

4480-4490 Chert as above, chert, granular, chalky, trace brown stain, slight show of free oil.

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DRILL STEM TEST #1 4444-4490

Time Intervals: 30-45-30-45
Recovery: 180' gas in pipe,
20' gas cut mud
Pressures: Bottom hole pressures
(571-719#)
Flow pressures
(49-59#) (49-49#)
Hydrostatic head: (2188-2188)
Temperature: 120°

4490-4500 Chert, vitreous to tripolitic, scattered brown stain, very rare show of free oil, weak odor.

4500-4510 Chert, green-white, tripolitic, some granular, slightly chalky, scattered brown stain, trace show of free oil.

Mississippi

4510-4520 Chert, green, some limey, granular, slightly chalky, very rare stain.

4520-4530 Chert, white to bone white, vitereous to sub vitereous, tripolitic and pinpoint porosity, some fractured porosity, brown to black stain, trace show of free oil, weak odor.

4538-4552 Chert, white-green, tripolitic with some fractured porosity, dark black stain, trace show of free oil, weak odor.

Chert white-bone white, tripolitic-pinhpoint porosity, some fractured porosity, scattered brown to black stain, trace to fair show of free oil, weak odor, some with good show of free oil, gassy.

DRILL STEM TEST #2 4508-4555

Time Intervals: 45-60-45-60
 Recovery: 60' gas in pipe, 180' watery muddy oil (35% mud, 35% water, 15% oil, 15% gas) 1000' slightly oil cut water (3% oil, 97% water)
 Pressures: Bottom hole pressures (2820-2820#)
 Flow pressures (78-364#)(393-531#)
 Hydrostatic head: (2309-2309)
 Temperature: 124°

Viola

4760-4770 Limestone, dolomitic, sucrosic, very slight stain, no odor.

DRILL STEM TEST #3 4532-4542

With straddle packer
 Time Intervals: 30-45-30-45
 Recovery: 120' gas in pipe, 10' watery oil (10% mud, 20% water, 30% oil, 40% gas) 110' slightly oil cut muddy water (35% mud, 55% water, 3% oil, 7% gas) 270' slightly oil cut water (3% oil, 97% water)

Gilmore #1 21-33-11W

DRILL STEM TEST #3 CONT.

Pressures: Bottom hole pressure
(2800-2800#)
Flow pressures
(68-137#)(167-196)
Hydrostatic head: (2178-2178)
Temperature: 124

RECOMMENDATIONS:

In view of negative results on all three drill stem tests, it was recommended that the Gilmore #1 be plugged and abandoned.

Respectfully submitted,

Bobby J. Beard Inc.

Mike Fletcher

Mike Fletcher
Vice President/Geologist

MF/dw