

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

June 7, 1955

REPLY TO
1020 PATTERSON BLDG.
DENVER, COLORADO

Blackwood & Nichols Company
Box 1237
Durango, Colorado

Attention: Mr. D. Loos

Subject: Core Analysis
No. 29-13 Northeast Blanco Unit Well
Northeast Blanco Field
San Juan County, New Mexico
Location: Sec. 13-T30N-R8W

Gentlemen:

Diamond conventional cores from the subject well in the Cliff House formation have been sampled and quick-frozen by representatives of Blackwood & Nichols Company and Core Laboratories, Inc., and analyzed in our Farmington, New Mexico laboratory. Results of analysis are presented in tabular and graphical form on the attached Coregraph. Gas was used as the drilling fluid.

Cliff House formation analyzed from 5062 to 5081 feet is interpreted to be essentially low capacity, gas productive. The point indicated by asterisks has higher than normal water saturation. It is believed that the capacity of this zone could be increased if it were treated with sand-frac or some similar method of inducing permeability artificially. Sand analyzed from 5085 to 5087 feet is interpreted to be low capacity, gas productive. Sand analyzed from 5087 to 5088 feet is interpreted to be essentially nonproductive due to low permeability.

Average data for the zone, 5062 to 5087 feet, are presented on page one of the report.

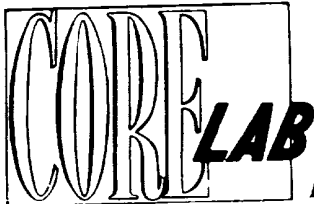
We trust these data prove beneficial in the evaluation of this well.

Very truly yours,

Core Laboratories, Inc.


J. D. Harris, (P8)
District Manager

JDH:ma
15cc. - Addressee



CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY
BLACKWOOD & NICHOLS COMPANY
WELL
NO. 29-13 N.E. BLANCO UNIT
FIELD
N.E. BLANCO
COUNTY
SAN JUAN
LOCATION
SW NE NE 13 30N 8W

DATE ON
MAY 20, 1955
DATE OFF
MAY 21, 1955
FORMATION
CLIFF HOUSE
ELEV.
6342' DF
DRLG. FLD.
GAS
REMARKS
SERVICE NO. 4

FILE NO.
RP-3-167(FC)
ENGRS.
WER

SAND

LIMESTONE

CONGLOMERATE

CHERT

SHALE

DOLOMITE

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. all errors and omissions excepted but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the product, its proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

TABULAR DATA and INTERPRETATION

SAMPLE NUMBER	DEPTH FEET	PERM MD	POROSITY %	RESIDUAL SATURATION % PORE SPACE		PRODUCTIVE POROSITY	PROD
				OIL	TOTAL WATER		
VF---VERTICAL FRACTURE							
1	5062.5	.47	6.5	0.0	27.7	3.6	GAS
2	63.5	.30	6.6	0.0	24.3	4.1	GAS
3	64.5	.64	6.6	0.0	54.6	1.5	*
4	65.5	.38	5.8	0.0	44.8	2.7	GAS
5	66.5	.30	6.1	0.0	29.5	3.5	GAS
6	67.5	.38	6.5	0.0	40.0	3.0	GAS
7	68.5	.38	6.3	0.0	34.9	4.9	GAS
8	69.5	.55	5.3	0.0	37.8	2.9	GAS
9	70.5	.21	5.2	0.0	40.3	2.1	GAS
10	71.5	1.03	8.4	0.0	11.9	7.8	GAS
11	72.5	.81	8.4	0.0	11.9	7.0	GAS
12	73.5	.85	8.4	0.0	9.5	7.1	GAS
13	74.5	.64	8.3	0.0	12.1	7.3	GAS
14	75.5	.47	8.1	0.0	17.3	4.3	GAS
15	76.5	.81	9.4	0.0	12.8	7.5	GAS
16	77.5	.72	8.9	0.0	13.5	7.1	GAS
17	78.5	.30	9.3	0.0	12.9	7.4	GAS
18	79.5	.55	6.1	0.0	19.7	5.8	GAS
19	5080.5	.13	4.2	0.0	33.3	2.9	GAS
20	5085.5	1.46	9.0	0.0	16.7	6.7	GAS
21	86.5	1.11	11.9	0.0	19.3	6.5	GAS
22	5087.5	0.0	5.3	0.0	75.5	1.8	

