

CORE ANALYSIS REPORT  
FOR

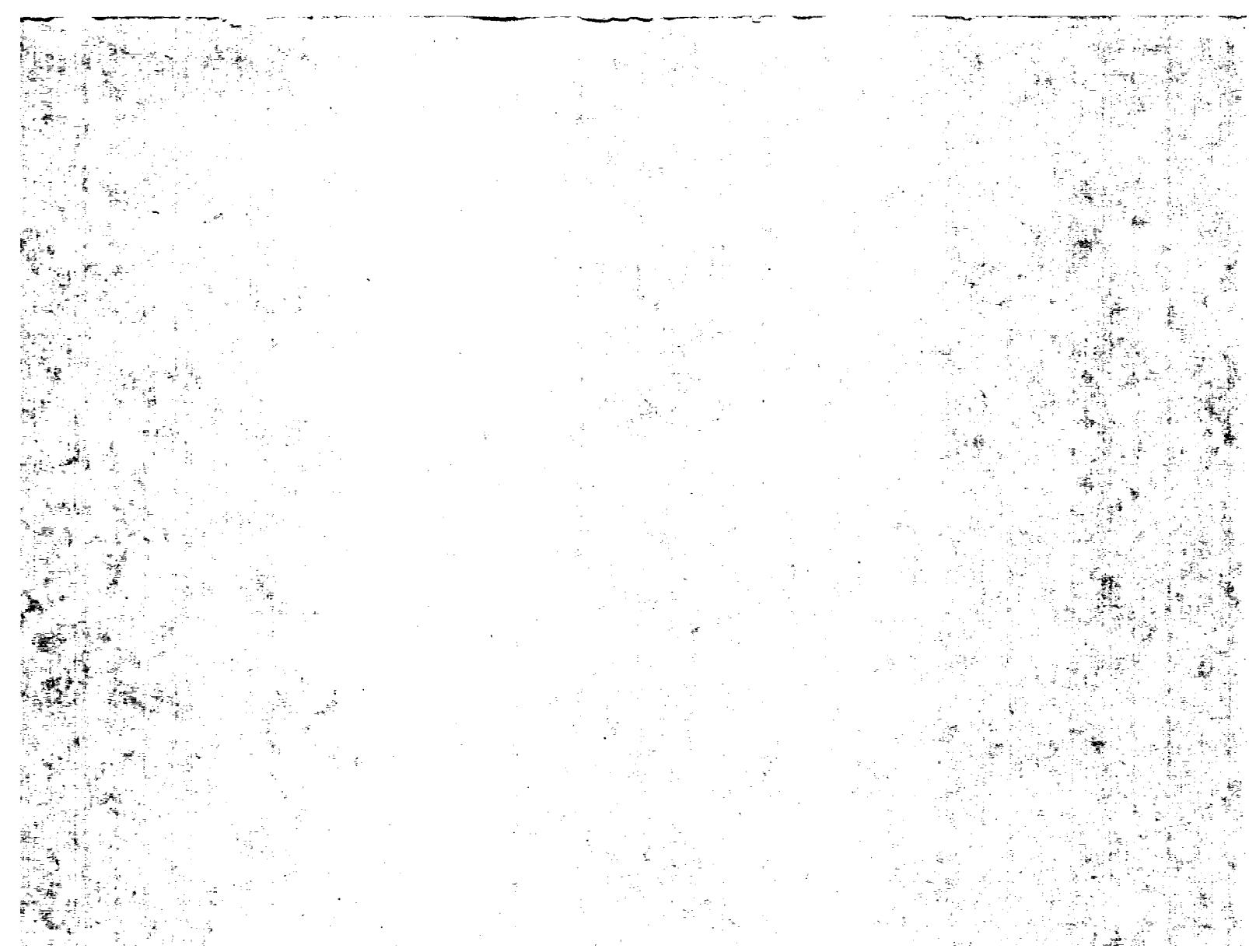
**JOHNSTON OIL & GAS COMPANY**

RINCON UNIT NO. 11 WELL

RINCON UNIT

RIO ARRIBA COUNTY, NEW MEXICO

LOCATION: SEC. 6-T26N-R6W



CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY JOHNSTON OIL & GAS COMPANY DATE ON OCTOBER 2, 1953 FILE NO. FNML-108 (FC)  
 WELL RINCON UNIT NO. 11 DATE OFF OCTOBER 3, 1953 ENGRS. WER:HWS  
 FIELD RINCON UNIT FORMATION TOCITO ELEV. 6558' DF  
 COUNTY LIO ARriba STATE NEW MEXICO DRLG. FLD. OIL EMULSION MUD CORES DIAMOND  
 LOCATION N<sup>o</sup> SE SW SEC. 6 T26N R6W REMARKS SERVICE NO. 4

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 productivity, 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.

## COMPLETION COREGRAPH

PERMEABILITY ○○

MILL DARCYS

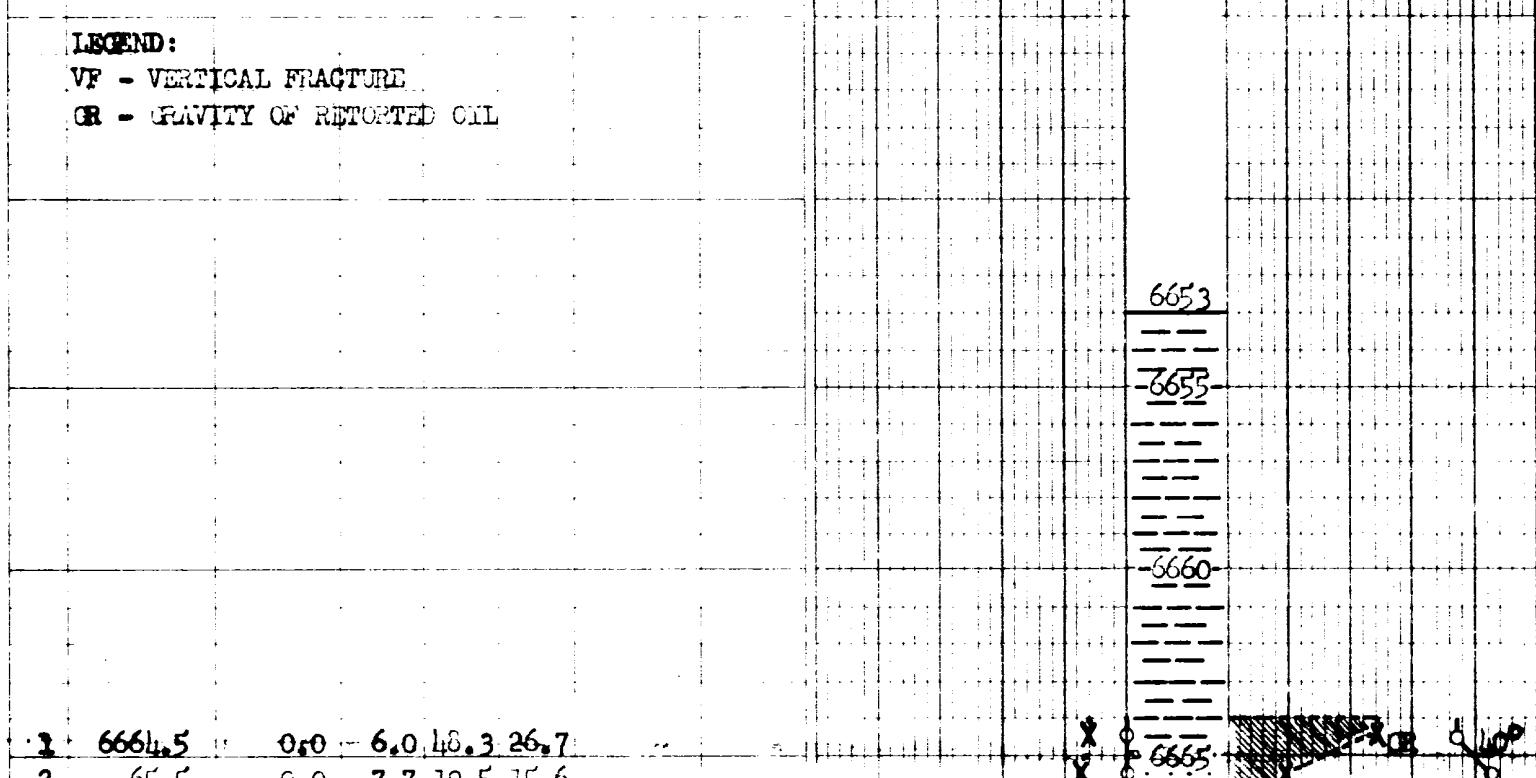
125 100 75 50 25 0

TOTAL WATER ○○

PER CENT PORE SPACE

80 60 40 20 0

## TABULAR DATA and INTERPRETATION



## LEGEND:

VF - VERTICAL FRACTURE

GR - GRAVITY OF REPORTED OIL

SAMPLE NUMBER	DEPTH FEET	PERM. MIL.	POROSITY %	RESIDUAL SATURATION % PORE SPACE	FRACTURE SYSTEM	PROD
1	6664.5	0.0	6.0	48.3	26.7	
2	65.5	0.0	7.7	19.5	15.6	
3	66.5	0.0	5.6	25.0	7.2	
4	67.5	8.6	12.1	13.2	24.0	OIL
5	68.5	24	11.2	15.2	22.6	OIL
6	69.5	42	12.6	15.2	18.2	OIL
7	70.5	1.0	1.5	37.2	14.0	CII
8	71.5	16	11.4	12.3	12.3	VF OIL
9	72.5	0.0	4.7	31.0	2.5	
10	73.5	0.0	5.9	25.4	6.8	VF
11	74.5	6.4	11.3	19.4	11.6	OIL
12	75.5	1.0	10.4	11.4	17.3	OIL
13	76.5	21	12.1	12.2	18.2	OIL
14	77.5	24	12.6	22.1	27.7	OIL
15	78.5	0.0	7.6	31.6	10.2	
16	79.5	0.0	1.7	0.0	23.5	VF
17	80.5	0.0	5.7	29.8	26.3	VF
18	81.5	0.0	5.0	3.0	61.0	
19	82.5	0.0	4.4	15.2	52.3	
20	83.5	0.0	3.8	0.0	34.2	
21	84.5	0.0	3.5	0.0	12.6	
22	85.5	0.0	4.4	0.0	77.3	
23	86.5	0.0	5.1	0.0	7.5	
24	87.5	0.0	4.0	0.0	67.5	
25	88.5	0.0	4.7	29.8	25.6	
26	89.5	0.0	3.9	0.0	64.1	
27	90.5	0.1	3.4	0.0	35.2	*
28	91.5	0.1	5.5	0.0	65.4	*
29	92.5	0.1	3.8	10.5	50.0	*
30	93.5	0.0	4.2	16.7	50.0	
31	94.5	0.0	6.4	21.9	31.4	
32	95.5	0.3	6.0	26.7	45.0	*
33	96.5	0.1	7.1	25.3	28.1	*
34	97.5	0.1	6.1	31.4	21.3	*
35	98.5	0.0	3.9	35.9	23.1	
36	99.5	0.2	2.7	31.0	23.7	*
37	6700.5	0.0	9.1	32.9	18.7	
38	6715	0.4	7.0	22.9	16.0	*
39	6720.5	0.1	7.4	33.8	12.2	*
40	6725.5	0.2	7.3	27.4	6.9	*
41	6730.5	3.8	9.1	32.0	18.7	OIL
42	6735.5	0.2	13.5	32.1	16.3	OIL
43	6740.5	0.4	7.7	2.8	6.5	OIL
44	6745.5	2.0	10.7	17.8	23.3	OIL
45	6750.5	64	12.7	28.3	18.9	OIL
46	6755.5	394	15.0	20.7	26.7	OIL
47	6760.5	2.9	12.0	30.8	16.7	OIL
48	6765.5	0.1	3.8	18.4	10.5	*

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

October 8, 1953

REPLY TO  
1020 PATTERSON BLDG.  
DENVER, COLORADO

Johnston Oil & Gas Company  
Box 813  
Farmington, New Mexico

Attention: Mr. D. W. Johnston

Subject: Core Analysis  
Rincon Unit No. 11 Well  
Rincon Unit  
Rio Arriba County, New Mexico  
Location: Sec. 6-T26N-R6W

Gentlemen:

Diamond conventional cores from the subject well in the Tocito formation have been sampled and quick-frozen by a representative of Core Laboratories, Inc. and later analyzed in our Farmington, New Mexico laboratory. Results of analysis are presented in tabular and graphical form on the attached Coregraph. Oil emulsion mud was used as the drilling fluid.

Tocito formation analyzed from 6664 to 6667 feet is interpreted to be essentially nonproductive due to low permeability.

Sand analyzed from 6667 to 6678 feet is interpreted to be essentially oil productive where permeable. Visual inspection of these cores indicates a vertical fracture system which should add to the effective permeability.

Shaly sand analyzed from 6678 to 6704 feet is interpreted to be essentially nonproductive due to low permeability. Asterisks indicate points of low permeability which might possibly show small cuts of oil on production.

Sand analyzed from 6704 to 6712 feet is interpreted to be essentially oil productive. The asterisk indicates a point of very low permeability.

Johnston Oil & Gas Company  
Rincon Unit No. 11 Well

Page Two

Recovery estimates for the zones, 6667 to 6678 and 6704 to 6711 feet, are presented on page one of the report. Average data for the zone, 6692 to 6704 feet, are presented on page one of the report.

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

Very truly yours,

Core Laboratories, Inc.

*J D Harris (P.E.)*  
J. D. Harris,  
District Engineer

JDH:ln

10cc. - Addressee