

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

(19) .

1201

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt

ME at point of destination

LAO 19 SSK109

1964 APR 8 AM 8 36

L RWA008 DL PD=ROSWELL NMEX 8 811A MST=

AL PORTER JR=

Case 3022

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE NMEX=

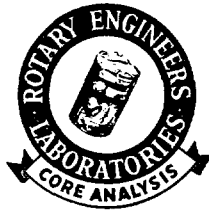
REFERENCE MADE TO SINCLAIRS APPLICATION ON SPACING
VACUUM DEVONIAN NORTH THIS DATE WE CONCUR IN 80 ACRE
SPACING AND 80 ACRE ALLOWABLES DUE TO DEVELOPMENT
PATTERN RECOMMEND FLEXIBILITY OF 80'S BEING EITHER N/2
AND S/2 OR E/2 AND W/2 OF QUARTER SECTION WITH WELL
LOCATION ON EITHER 40 ACRES OF PRORATION UNIT=

TIDEWATER OIL CO R H COE=

MAIN OFFICE OGC

=80 80 80'S N/2 S/2 E/2 W/2 40=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE



MIDLAND, TEXAS

August 20, 1963

Sinclair Oil and Gas Company
Midland Savings and Loan Building
Midland, Texas

Attention: Mr. D. E. Daugherty

Gentlemen:

The cores from your State 403 #5 well in Lea County, New Mexico, have been analyzed for porosity, permeability and water and oil saturation as per cent pore space occupied. The results are herewith submitted in both tabular form. The graph is plotted on a scale of 5" to 100' to correlate with electric logs of the same scale.

We appreciate your business and hope the results are satisfactory.

Very truly yours,

L. C. Locke

8 copies to:

Mr. D. E. Daugherty

1 copy to:

Mr. L. H. Miles

ROTARY ENGINEERS LABORATORIES

CORE ANALYSIS TABULAR DATA

COMPANY Sinclair Oil & Gas Co.	WELL State 403 #5	FIELD	
COUNTY Lea	STATE New Mexico	DATE 6-30-63	ANALYST GM
FORMATION Bone Springs	TYPE ANALYSIS Special (Whole Core)		JOB NO. R-3468

REMARKS

SAMPLE NUMBER	DEPTH	PLUG PERM M. D.	PLUG POROSITY %	RECOVERY POROSITY %	PERMEABILITY			TOTAL WATER SATURATION % P. V.	RESIDUAL OIL SATURATION % P. V.	Oil Flo x=yes o=no	REMARKS
					Max.	M. D. 90	Max.				
	9070-73			No analysis							
1	-74			2.4	0.1	<.1	31.6	7.9	x/o	Dolo, Anhy Fr. Sli Vuggy	
2	-75			1.6	1.1	<.1	36.2	10.6	x/o		
	-76			No analysis							
	-77			No analysis							
3	-78			2.2	0.6	0.3	33.4	11.1	x/o		
4	-79			2.4	0.7	0.5	30.1	8.2	x/o		
5	-80			1.8	0.2	0.1	32.0	12.7	o/x		
6	-81			1.8	0.3	0.1	32.6	13.0	x/o		
7	-82			1.7	1.9	0.5	31.1	11.1	o/x		
8	-83			2.1	1.8	1.6	34.9	6.5	x/o		
9	-84			1.1	0.8	<.1	41.8	9.7	o/x		
10	-85			1.3	3.9	*	31.0	17.3	o/x		
11	-86			1.7	0.9	0.5	38.9	16.4	x/o		
12	-87			2.1	0.2	0.1	48.3	10.0	x/o		
13	-88			2.5	0.4	0.2	26.2	12.3	o/x		
14	-89			4.4	0.2	0.1	21.8	13.8	x/o		
15	-90			2.6	<.1	<.1	30.3	10.5	x/o		
16	-91			1.7	*	*	48.8	18.9	o/x		
17	-92			1.7	0.2	<.1	42.2	11.9	o/x		
18	-93			2.5	0.2	0.2	41.5	15.7	x/o		
19	-94			3.4	1.1	0.9	41.5	12.3	x/o		
	-98			No analysis							
20	-99			2.9	1.9	1.4	32.4	8.8	o/x		
21	-00			3.4	*	*	32.8	4.7	o/x		
22	9100-01			2.4	1.6	0.5	41.0	10.9	o/x	Dolo Fr. Shly	
23	-02			2.6	0.9	0.8	39.5	7.9	o/x		
24	-03			2.5	43.0	0.2	37.0	9.2	o/x		
25	-04			2.2	0.1	0.1	45.3	7.8	o/x		
26	-05			1.9	0.1	<.1	39.1	6.4	o/x		
27	-06			1.6	0.1	<.1	50.0	7.5	o/x		
28	-07			1.8	<.1	<.1	40.3	7.2	o/x		
	-20			No analysis							
29	10097-98			2.4	1.3		59.6	0.0	o	Dolo Sh Ptg. Sli Vuggy	
30	-99			2.6	0.1		60.9	0.0	o		
31	-00			2.9	2.9		45.3	0.0	o		
32	10100-01			3.7	5.1		37.6	0.0	o	Dolo Shly	
33	-02			4.7	3.8		29.3	0.0	o		
34	-03			1.9	<.1		41.3	0.0	o		
35	-04			1.6	<.1		47.4	0.0	o		
	-08.8			No analysis							
	-12			No recovery							
36	11786-87			2.7	<.1	<.1	16.4	15.2	x/o	Limestone	
37	-88			1.2	1.2	<.1	26.8	12.2	x/o		
38	-89			1.5	0.2	<.1	30.4	0.0	o		
39	-90			1.4	0.1	<.1	28.8	0.0	o		
	-91			1.3	0.5	0.1	47.8	0.0	o		

ROTARY ENGINEERS LABORATORIES

CORE ANALYSIS TABULAR DATA

SAMPLE NUMBER	DEPTH	PLUG PERM M. D.	PLUG POROSITY %	EFFECTIVE POROSITY %	PERMEABILITY OF EFFECTIVE POROSITY M. D.		TOTAL WATER SATURATION % P. V.	RESIDUAL OIL SATURATION % P. V.		REMARKS
41	11791-92	<.1		1.0			63.5	0.0	o	Limestone V.F.
42	-93			2.4	0.6	0.1	34.4	26.6	o/x	Limestone Fract.
43	-94			2.6	65.5	10.3	26.8	20.8	x/o	Limestone
44	-95			3.6	46.0	2.5	43.8	15.4	x/o	Dolo Vuggy
45	-96			3.2	0.8	0.7	42.7	15.0	x	Dolo Vuggy
46	-97			1.8	0.3	0.1	33.4	0.0	o	Dolo Limey Fract.
47	-98			1.0	<.1	<.1	35.6	16.2	o/x	
48	-99			1.9	0.3	0.1	36.4	0.0	o	
49	-00	<.1		1.1			37.0	14.2	o/x	
50	11800-01			1.5	0.1	<.1	36.6	16.7	o/x	Dolo Limey Fract..
51	-02			1.5	28.0	<.1	50.0	13.0	x/o	
52	-03			1.2	3.7	<.1	26.8	17.8	x/o	Dolo Vuggy
53	-04			1.9	0.5	0.2	43.3	11.4	o/x	
54	-05	0.1		4.4			45.1	11.8	x/o	
55	-06	0.3		3.9			25.8	12.8	x/o	
56	-07	<.1		1.5			50.0	12.5	o/x	
57	-08			1.4	0.1	<.1	52.5	11.9	o/x	
58	-09			3.5	0.5	0.2	63.5	12.2	x/o	Dolo Limey
59	-10			3.5	1.4	0.4	55.6	11.3	x/o	Dolo Limey VF Vuggy
60	-11			3.14	0.8	0.6	42.5	19.6	x/o	
61	-12	<.1		1.5			34.6	18.3	x/o	
62	-13	<.1		3.1			42.0	10.8	o/x	
63	-14			2.3	10.0	0.3	51.7	8.2	x/o	Dolo Limey
64	-15	<.1		3.4			42.3	8.5	x/o	
65	-16	<.1		4.5			32.2	12.5	o/x	
66	-17	0.1		5.7			33.4	15.3	o/x	
	-21	No analysis								
	-23	No recovery								

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



P. O. BOX 871
SANTA FE

July 8, 1964

LAND COMMISSIONER
E. B. JOHNNY WALKER
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

Mr. Booker Kelly
Gilbert, White & Gilbert
Attorneys at Law
Box 787
Santa Fe, New Mexico

Re: Case No. 3022

Order No. R-2732

Applicant:

Sinclair Oil & Gas Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A handwritten signature in cursive script that reads "A. L. Porter, Jr.".

A. L. PORTER, Jr.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Astec OCC

OTHER Mr. John Russell