

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

June 30, 1954

REPLY TO
1020 PATTERSON BLDG.
DENVER, COLORADO

Southern Union Gas Company
Box 815
Farmington, New Mexico

Attention: Mr. Bill Vanderslice

Subject: Core Analysis
No. 1-E Jicarilla Well
Wildcat
Rio Arriba County, New Mexico
Location: Sec. 16-T26N-R4W

Gentlemen:

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

Pictured Cliffs formation analyzed from 3414 to 3437 feet is interpreted as being essentially gas productive. A vertical fracture system was observed from 3420 to 3427 feet and this will add to the effective permeability of the section.

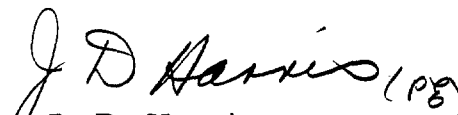
Asterisks in the production column denote those feet which have higher than normal water saturations and probably would produce water-cut during production history.

Average data for the zone, 3414 to 3437 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,
District Engineer

JDH:ma

Distribution of Final Reports

3 Copies	Southern Union Gas Company Box 815 Farmington, New Mexico Attention: Mr. Bill Vanderslice
4 Copies	Southern Union Gas Company Burt Building Dallas, Texas Attention: Mr. A. M. Wiederkehr
1 Copy	Humble Oil & Refining Company Box 4085 Albuquerque, New Mexico Attention: Mr. A. A. Phillips

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS

Page 1 of 1
File FNML-129 EC
Well No. 1-E Jicarilla

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

CORE SUMMARY

FORMATION NAME	Pictured Cliffs			
DEPTH, FEET	3414.0-3437.0			
% CORE RECOVERY	100			
FEET OF PERMEABLE, PRODUCTIVE FORMATION RECOVERED	23.0			
AVERAGE PERMEABILITY MILLIDARCS	6.2			
CAPACITY — AVERAGE PERMEABILITY X FEET PRODUCTIVE FORMATION	142			
AVERAGE POROSITY, PERCENT	16.7			
AVERAGE RESIDUAL OIL SATURATION, % PORE SPACE	0.2			
GRAVITY OF OIL, °A.P.I.				
AVERAGE TOTAL WATER SATURATION, % PORE SPACE	46.9			
AVERAGE CALCULATED CONNATE WATER SATURATION, % PORE SPACE	42			
SOLUTION GAS-OIL RATIO, CUBIC FEET PER BARREL (1)				
FORMATION VOLUME FACTOR—VOLUME THAT ONE BARREL OF STOCK TANK OIL OCCUPIES IN RESERVOIR (1)				

CALCULATED RECOVERABLE OIL { Prediction dependent upon complete isolation of each division. Structural position of well, total permeable thickness of oil zone and drainage area of well should be considered.

BY NATURAL OR GAS EXPANSION, BBLs. PER ACRE FOOT (2)	(4)			
INCREASE DUE TO WATER DRIVE, BBLs. PER ACRE FOOT	(4)			
TOTAL AFTER COMPLETE WATER DRIVE, BBLs. PER ACRE FOOT (3)	(4)			

Core Laboratories, Inc.

J D Harris
J. D. Harris (PS)

NOTE:

- (*) REFER TO ATTACHED LETTER.
- (1) REDUCTION IN PRESSURE FROM SATURATION PRESSURE TO ATMOSPHERIC PRESSURE.
- (2) AFTER REDUCTION FROM ORIGINAL RESERVOIR PRESSURE TO ZERO POUNDS PER SQUARE INCH.
- (3) RESERVOIR PRESSURE MAINTAINED BY WATER DRIVE AT OR ABOVE ORIGINAL SATURATION PRESSURE.
- (4) NO ESTIMATE FOR GAS PHASE RESERVOIRS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

Cal V

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Company SCOTTISH UNION OIL COMPANY Date Report JUNE 17, 1954 Page 1 of 2
 Well JACARILLA NO. 1-G Cores DIAMOND File PH-135(PJ)
 Field THORNTON Formation THORNTON GRATE Analysts W. R. R. C.
 County EL PASO State TEXAS Elevation _____ Coregraph yes
 Location S 31 1/2 W 31 1/2 N 22 S 1/2 R 5 W Remarks SERVICE NO. 4

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
1	34.5	0.0	6.1	0.0	70.4		
2	65.5	0.0	6.3	0.0	61.0		
3	66.5	0.0	6.7	0.0	61.0		
4	67.5	0.0	7.2	0.0	70.9		
5	68.5	0.00	7.1	0.0	75.0		
6	69.5	0.0	13.9	0.0	20.0		
7	70.5	0.0	12.6	0.0	62.3		
8	71.5	0.0	8.6	0.0	60.1		
9	72.5	0.0	8.8	0.0	65.2		
10	73.5	0.0	7.1	0.0	61.8		
11	74.5	0.0	9.7	0.0	61.5		
12	75.5	0.0	7.0	0.0	61.4		
13	76.5	0.0	6.5	0.0	61.2		
14	77.5	0.0	7.1	0.0	71.0		
15	78.5	0.0	7.7	0.0	75.6		
16	79.5	0.0	7.0	0.0	61.4		
17	80.5	0.0	7.5	0.0	61.2		
18	81.5	0.0	7.1	0.0	62.1		
19	82.5	0.0	6.3	0.0	60.7		
20	83.5	0.0	7.1	0.0	66.3		
21	84.5	0.0	4.3	0.0	67.5		
22	85.5	0.0	7.1	0.0	71.3		
23	86.5	0.0	7.6	0.0	71.8		
24	87.5	0.0	7.4	0.0	77.0		
25	88.5	0.0	6.2	0.0	62.7		
26	89.5	0.0	10.3	0.0	74.0		
27	90.5	0.0	7.5	0.0	77.4		
28	91.5	0.0	9.5	0.0	66.4		
29	92.5	0.0	8.5	0.0	76.5		
30	93.5	0.0	6.2	0.0	62.9		
31	94.5	0.0	9.2	0.0	70.6		
32	3195.5	0.0	12.1	0.0	64.2		

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

RECEIVED
 11 11 1954

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

Company SOUTHERN UNION GAS COMPANY Date Report JULY 17, 1954 Page 2 of 2
 Well JICARILLA NO. 1-LG Cores _____ File _____
 Field _____ Formation _____ Analysts _____
 County _____ State _____ Elevation _____ Coregraph _____
 Location _____ Remarks _____

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
33	126.5	0.0	10.8	0.0	87.1		
34	97.5	0.0	9.8	0.0	81.6		
35	93.5	0.0	9.3	0.0	86.0		
36	99.5	0.0	9.1	0.0	85.8		
37	350.5	0.0	10.5	0.0	83.9		
38	01.5	0.0	11.3	0.0	77.9		
39	02.5	0.0	10.5	0.0	85.6		
40	3502.5	0.0	10.3	0.0	91.2		

This section is essentially non-productive.

ILLEGIBLE

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

Company SOUTHERN UNION GAS COMPANY Date Report JULY 10, 1954 Page 1 of 2
 Well JICARILLA NO. 1-S Cores DIAZ File WMS-132(PG)
 Field WIDOUT Formation PICTURE CLIFFS Analysts WSE RGA
 County RIO ARriba State NEW MEXICO Elevation _____ Coregraph YES
 Location S1 T26N R5W Remarks SERVICE NO. 1

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
41	504.5	0.0	9.7	0.0	75.2		
42	05.5	0.0	5.4	0.0	81.0		
43	06.5	0.0	9.2	0.0	63.5		
44	07.5	0.0	9.0	0.0	74.5		
45	08.5	0.0	10.7	0.0	68.3		
46	09.5	0.0	8.2	0.0	78.0		
47	10.5	0.0	7.7	0.0	71.2		
48	11.5	0.0	9.6	0.0	74.0		
49	12.5	0.0	8.1	0.0	71.7		
50	13.5	0.0	10.5	0.0	74.2		
51	14.5	0.0	8.8	0.0	82.9		
52	15.5	0.0	7.9	0.0	81.0		
53	16.5	0.0	9.9	0.0	65.6		
54	17.5	0.0	17.5	0.0	74.4		
55	18.5	0.0	8.2	0.0	78.3		
56	19.5	0.0	10.2	0.0	74.5		
57	20.5	0.0	9.9	0.0	76.8		
58	21.5	0.0	12.5	0.0	67.3		
59	22.5	0.0	11.3	0.0	76.1		
60	23.5	0.0	17.1	0.0	70.3		
61	24.5	0.0	8.1	0.0	72.4		
62	25.5	0.0	8.2	0.0	79.2		
63	26.5	0.0	9.4	0.0	76.5		
64	27.5	0.0	8.1	0.0	72.5		
65	28.5	0.0	10.3	0.0	79.5		
66	29.5	0.0	6.9	0.0	74.0		
67	30.5	0.0	10.2	0.0	77.2		
68	31.5	0.0	9.0	0.0	74.5		
69	32.5	0.0	10.2	0.0	78.1		
70	33.5	0.0	7.9	10.7	64.6		
71	34.5	0.0	9.3	0.0	72.6		
72	3535.5	0.0	9.7	0.0	85.6		

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Company QUANTICO OIL & GAS COMPANY Date Report NOV 18, 1954 Page 2 of 2
 Well FLORIAN NO. 1 G Cores _____ File _____
 Field _____ Formation _____ Analysts _____
 County _____ State _____ Elevation _____ Coregraph _____
 Location _____ Remarks _____

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
73	36.5	0.0	7.5	0.0	69.4		
74	37.5	0.0	11.0	5.5	72.7		
75	38.5	0.0	10.3	0.0	81.6		
76	39.5	0.0	6.6	11.6	75.5		
77	40.5	0.0	7.7	0.0	75.3		
78	41.5	0.0	6.4	0.0	84.5		

The oil saturations noted were from a shaly section.

This section is essentially non-productive.

ILLEGIBLE

NOTE:

(0) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, as to the productivity, proper operation or preferableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

Handwritten signature

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Company SOUTHERN UNION GAS COMPANY Date Report JULY 17, 1954 Page 1 of 2
Well SANTITA NO. 1-G Cores DIAMOND File PROD-135(P)
Field WILKINSON Formation PERMIAN GLASS Analysts W. H. RGA
County BLA. CO. State OKLAHOMA Elevation _____ Coregraph YES
Location S. 1/4 Sec. 31, T26N, R5E Remarks SHALLOW NO. 1

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
1	34.5	0.0	8.1	0.0	70.4		
2	35.5	0.0	6.3	0.0	81.0		
3	36.5	0.0	6.7	0.0	64.6		
4	37.5	0.0	7.2	0.0	70.9		
5	38.5	0.00	7.1	0.0	75.0		
6	39.5	0.0	13.9	0.0	90.0		
7	40.5	0.0	9.6	0.0	82.3		
8	41.5	0.0	9.5	0.0	80.1		
9	42.5	0.0	8.8	0.0	85.2		
10	43.5	0.0	7.1	0.0	81.6		
11	44.5	0.0	9.7	0.0	81.5		
12	45.5	0.0	7.0	0.0	83.1		
13	46.5	0.0	8.5	0.0	81.2		
14	47.5	0.0	7.1	0.0	71.8		
15	48.5	0.0	7.7	0.0	75.6		
16	49.5	0.0	7.0	0.0	81.4		
17	50.5	0.0	7.5	0.0	81.2		
18	51.5	0.0	7.1	0.0	83.1		
19	52.5	0.0	8.3	0.0	80.7		
20	53.5	0.0	7.1	0.0	80.3		
21	54.5	0.0	8.3	0.0	67.5		
22	55.5	0.0	7.1	0.0	73.3		
23	56.5	0.0	7.8	0.0	73.3		
24	57.5	0.0	7.4	0.0	77.0		
25	58.5	0.0	8.2	0.0	81.7		
26	59.5	0.0	10.3	0.0	76.0		
27	90.5	0.0	7.5	0.0	77.4		
28	91.5	0.0	9.5	0.0	86.4		
29	92.5	0.0	8.5	0.0	76.5		
30	93.5	0.0	8.2	0.0	82.9		
31	94.5	0.0	9.2	0.0	76.6		
32	95.5	0.0	12.1	0.0	84.2		

ILLEGIBLE
ILLEGIBLE

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
St. Union EXHIBIT No. R-2
CASE 977

NOTE:
(*) REFER TO ATTACHED LETTER.
(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.
(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Company SOUTHERN UNION GAS COMPANY Date Report JULY 17, 1954 Page 2 of 2
 Well JUCARILLA NO. 1-G Cores _____ File _____
 Field _____ Formation _____ Analysts _____
 County _____ State _____ Elevation _____ Coregraph _____
 Location _____ Remarks _____

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
33	196.5	0.0	10.8	0.0	87.1		
34	97.5	0.0	9.8	0.0	81.6		
35	93.5	0.0	9.3	0.0	86.0		
36	99.5	0.0	9.1	0.0	85.8		
37	360.5	0.0	10.5	0.0	83.9		
38	61.5	0.0	11.3	0.0	77.9		
39	62.5	0.0	10.5	0.0	95.6		
40	3502.5	0.0	10.2	0.0	91.2		

This section is essentially non-productive.

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RI

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

ILLEGIBLE

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Company SOUTHERN UNION GAS COMPANY Date Report JUNE 13, 1951 Page 1 of 2
 Well JACARILLA NO. 1 G Cores DIAMOND File 1951-132(70)
 Field WIDECAT Formation FLINTED CLIFFS Analysts DR RGA
 County WYO A-178A State NEW MEXICO Elevation _____ Coregraph 128
 Location S1 T26N R5W Remarks SERVICE NO. 4

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
11	304.5	0.0	9.7	0.0	75.2		
12	05.5	0.0	8.1	0.0	61.0		
13	06.5	0.0	9.2	0.0	60.5		
14	07.5	0.0	9.0	0.0	71.5		
15	08.5	0.0	10.7	0.0	68.3		
16	09.5	0.0	8.2	0.0	78.0		
17	10.5	0.0	9.7	0.0	71.2		
18	11.5	0.0	9.6	0.0	71.0		
19	12.5	0.0	8.1	0.0	72.7		
50	13.5	0.0	10.5	0.0	74.2		
51	14.5	0.0	8.8	0.0	82.9		
52	15.5	0.0	7.9	0.0	81.0		
53	16.5	0.0	9.9	0.0	65.6		
54	17.5	0.0	10.5	0.0	71.1		
55	18.5	0.0	9.2	0.0	78.3		
56	19.5	0.0	10.2	0.0	74.5		
57	20.5	0.0	9.9	0.0	76.8		
58	21.5	0.0	12.5	0.0	67.3		
59	22.5	0.0	11.3	0.0	76.1		
60	23.5	0.0	11.1	0.0	70.3		
61	24.5	0.0	9.1	0.0	72.4		
62	25.5	0.0	8.2	0.0	79.2		
63	26.5	0.0	9.4	0.0	76.5		
64	27.5	0.0	8.1	0.0	72.5		
65	28.5	0.0	10.3	0.0	72.5		
66	29.5	0.0	6.9	0.0	74.0		
67	30.5	0.0	10.1	0.0	77.2		
68	31.5	0.0	9.0	0.0	71.5		
69	32.5	0.0	10.2	0.0	78.1		
70	33.5	0.0	7.9	10.7	61.6		
71	34.5	0.0	9.3	0.0	72.0		
72	35.5	0.0	9.7	0.0	85.6		

(1) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.

I I E G I B L E

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Company STANDARD OIL CO. OF INDIANA Date Report APRIL 15, 1954 Page 2 of 2
 Well JEANETTE NO. 1-G Cores _____ File _____
 Field _____ Formation _____ Analysts _____
 County _____ State _____ Elevation _____ Coregraph _____
 Location _____ Remarks _____

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
73	36.5	0.0	7.5	0.0	69.4		
74	37.5	0.0	11.0	5.3	70.7		
75	38.5	0.0	10.3	0.0	82.6		
76	39.5	0.0	0.6	11.6	73.5		
77	40.5	0.0	3.7	0.0	73.3		
78	41.5	0.0	0.4	0.0	84.5		

The oil saturations noted are from a shaly section.

This section is essentially non-productive.

ILLEGIBLE

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials 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 representation, 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.